

Geotechnical
Environmental and
Water Resources
Engineering

**Quarterly Operations, Maintenance & Monitoring Report
First Quarter (Q1) 2008**

Bay Shore/Brightwaters Former MGP Site

Town of Islip
Suffolk County, New York
NYSDEC Consent Index No. D1-0001-98-11

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June 2008
Project 061140-8-1707



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1. Introduction

This report presents the first quarter 2008 (Q1 2008) operations, maintenance and monitoring (OM&M) 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 6 of DER-10, Technical Guidance for Site Investigation and Remediation and the Order on Consent, Index No. D1-0001-98-11 signed by KeySpan Corporation (KeySpan) (currently know as National Grid) and the New York State Department of Environmental Conservation (NYSDEC).

In 2003, the Site was divided into four operable units to more effectively manage investigation and remediation activities (**Figure 1**). The OM&M results of all four operable units have been combined in this report in order to present an overall picture of trends relating to effectiveness of the dense non-aqueous phase liquids (DNAPL) recovery, groundwater treatment systems operating at the Site, and remedial activities on groundwater quality in the upper glacial aquifer. The locations of the DNAPL recovery and groundwater treatment systems are presented on **Figure 1** and descriptions are presented in the applicable sections for each operable unit.

OM&M activities include maintenance and monitoring of the DNAPL recovery and groundwater treatment systems, quarterly groundwater monitoring, and monitoring of soil vapor and ambient air. The OM&M results for each operable unit are presented in the following sections of the report: Section 2 - Operable Unit 1 (OU-1); Section 3 - Operable Unit 2 (OU-2); Section 4 - Operable Unit 3 (OU-3); and Section 6 - Operable Unit 4 (OU-4). The soil vapor and ambient air results contain data for OU-2 and OU-3 and are presented in Section 5.

1.1 Background

The former MGP operations began in the late 1880s and continued into the 1970s. Most of the MGP facilities were demolished in 1973. Various remedial investigation activities have been completed at the Site. The results of the investigations and discussion of the Site history are presented in the Remedial Investigation Report (Dvirka and Bartilucci Consulting Engineers [D&B], 2002) and Final Remedial Investigation Report (D&B, 2003). Several Interim Remedial Measures (IRMs) have been conducted since 1999 in OU-2, OU-3, and OU-4. A brief description of each IRM is presented for each operable unit below.

OU-1 consists of the Bay Shore Site, formerly the main operations area of the MGP, which is currently owned by National Grid. The following remedial actions, IRM and pilot studies have been performed in OU-1:

- DNAPL Recovery IRM: A DNAPL recovery system has been installed in the off-Site area south of the Long Island Railroad (LIRR) (GEI, 2006).
- In-Situ Chemical Oxidation (ISCO) Pilot Studies: Three pilot studies were conducted at the Site in 2004 utilizing Activated Persulfate, Modified Fenton's Reagent and Activated Fenton's Reagent (GEI, 2005).
- Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCO) Pilot Study: A pilot study was conducted in 2006 utilizing a surfactant to solubilize MGP-related impacts and Sodium Persulfate to oxidize those impacts (GEI, 2007a).
- OU-1 Southern Cell Excavation (February 2007 through April 2007). This excavation consisted of the removal of source material to a maximum depth of 25 feet below ground surface (bgs). The excavation was completed in support of the utility relocation in association with the excavation of source material in OU-1 located north of LIRR (GEI, 2004c).
- Subsurface Containment Barrier Installation (April 2007 through present). The installation of Subsurface Containment Barrier commenced in April of 2007. The barrier is being installed as part of the Remedial Action Plan (RAP) for OU-1 (GEI, 2004c).
- Oxygen Injection System: An oxygen injection system was installed in the downgradient edge of OU-1 in February 2008 as an interim measure to treat groundwater at the "gate" portion of the barrier wall until the full scale ozone treatment system is complete.

OU-2 consists of the groundwater plume which extends south to southeast from OU-1. The following IRM has been performed in OU-2:

- Oxygen Injection IRM: A groundwater treatment system utilizing oxygen injection technology was installed in the fourth quarter of 2005 as part of an IRM (GEI, 2006). The treatment system consists of two injection lines located along Montauk Highway and the intersection of Garner and Manatuck Lanes (Figure 1). The system injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into Lawrence Creek. MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.
- Additional Oxygen Injection Systems: Additional groundwater treatment systems utilizing oxygen injection technology are planned to be installed within the OU-2 groundwater plume in 2008.

OU-3 consists of the Brightwaters Yard, which is currently owned by National Grid, and the groundwater plume that extends south to southeast from the Brightwaters Yard. The following IRMs have been performed in OU-3:

- ISCO IRMs: Three rounds of ISCO by In-Situ Oxidative Technologies, Inc. (ISOTEC) were used to treat the Brightwaters Yard groundwater plume source area in May of 2001, September of 2001, and October of 2004. The treatment involved the injection of a chelated iron complex and stabilized hydrogen peroxide (H₂O₂) within the IRM area (Foster Wheeler Environmental Corporation [FW], 2000).
- Excavation IRM: A source area excavation was effective in removing 1,500 tons of source contaminated soils from May to July of 2004 (Figure 1) (Paulus, Sokolowski and Sartor Engineering, PC [PS&S], 2004).
- Oxygen Injection IRM: A groundwater treatment system utilizing oxygen injection technology was installed in the third quarter 2000 as part of an IRM at the intersection of Union Boulevard and Lanier Lane (Figure 1). The treatment system consists of one injection line which injects oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into O-Co-Nee Pond. MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.
- Oxygen Injection IRM: A second groundwater treatment system utilizing oxygen injection technology was installed in fourth quarter 2004 as part of an IRM on the Brightwaters Yard adjacent to the LIRR (Figure 1). The treatment system consists of three injection lines which inject oxygen into the upper glacial aquifer to increase aerobic biological activity and reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary (PS&S, 2004). MGP-related impacts are limited to the upper glacial aquifer. The underlying Magothy aquifer, which is the primary source of public water supply in Nassau and Suffolk Counties, is not impacted from former MGP operations.

OU-4 consists of a former cesspool, former pond area, and the headwaters of Watchogue Creek (a.k.a., Crum's Brook), located approximately 400 feet east of the Bay Shore Site. The following IRMs have been or will be performed in OU-4:

- Sediments in Watchogue Creek/Crum's Brook were removed and the channel was restored as part of an IRM performed in 2000 (FW, 2002).
- The former cesspool was excavated and shallow impacted soils (vadose zone soils) were removed and treated off-Site as part of an IRM performed in Q4 2005

- (Figure 1) (GEI, 2004a). The remaining impacted materials below the water table at the former cesspool area will be treated using in-situ treatment technologies. The NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008) was submitted on February 19, 2008. The final report for the OU-4 cesspool IRM will be submitted at the completion of the ISCO portion of the former cesspool IRM.
- In the former pond area, shallow impacted soils will be removed and treated off-Site as part of an IRM that was approved by the NYSDEC in April 2006 (GEI, 2006a). Impacted soils below the water table will be treated using in-situ methods following the results of the S-ISCO pilot study on OU-1 and/or through excavation.

2. Operable Unit 1 – Bay Shore Site, Bay Shore West Parcel and Adjacent Off-Site Areas

2.1 DNAPL Recovery System and NAPL Monitoring

2.1.1 Program Scope and Purpose

A DNAPL recovery system was installed in recovery well BBRW-02 in January 2006. The DNAPL recovery system consists of a Blackhawk Electric Anchor Piston Pump which recovers DNAPL from BBRW-02 and discharges to a United States Department of Transportation/United Nations (USDOT/UN)-approved 55-gallon steel drum. The DNAPL system is currently operated once every three weeks. Historically the recovery system was operated once every two weeks. The DNAPL system operation schedule was revised in March 2008 due to decreasing DNAPL recovery observed in the well. Allowing more time in-between recovery operations allows the DNAPL to settle into a discrete layer which allows for more efficient recovery.

The presence and thickness of light non-aqueous phase liquids (LNAPL) and/or DNAPL is gauged in wells BBRW-02 through BBRW-05, BMW-05D, and BMW-22D on a weekly basis. BMW-20D was damaged in Q1 2008 during construction activities on OU-1 and was not gauged. These wells are located on OU-1 south of the LIRR (see Figure 1).

2.1.2 Current Site Activity

The following DNAPL Recovery and non-aqueous phase liquids (NAPL) monitoring events occurred during Q1 2008.

- **DNAPL Recovery:** The DNAPL recovery system in BBRW-02 was operated on the following dates:
 - January 2, 2008 – DNAPL Recovery, Scheduled Operation 36
 - January 18, 2008 – DNAPL Recovery, Scheduled Operation 37
 - February 1, 2008 – DNAPL Recovery, Scheduled Operation 38
 - February 15, 2008 - DNAPL Recovery, Scheduled Operation 39
 - February 29, 2008 – DNAPL Recovery, Scheduled Operation 40
 - March 28, 2008 – DNAPL Recovery, Scheduled Operation 41

- **NAPL Gauging:** Wells BBRW-02 through BBRW-05, BMW-05D, and BMW-22D were gauged for the presence of LNAPL and DNAPL on the following dates:
 - January 7, 11, 17, 25, 2008
 - February 1, 8, 15, 22, 29, 2008
 - March 7, 17, 21, 28, 2008

2.1.3 DNAPL Recovery and NAPL Monitoring Data

The DNAPL recovery system and NAPL monitoring data are provided on the following tables and figure.

- **Table 2-1 Summary of DNAPL Removal for Recovery Well BBRW-02** – provides DNAPL thickness prior to and after pumping events and volume of DNAPL recovered from BBRW-02. Approximately 19 gallons of DNAPL were recovered during Q1 2008.
- **Table 2-2 Summary of Measured DNAPL Thickness** – provides NAPL thickness in existing NAPL Gauging wells BBRW-02 through BBRW-05, BMW-05D, BMW-20D, BMW-22D. NAPL thicknesses remained consistent between Q4 2007 and Q1 2008.
- **Figure 2 DNAPL Recovery Data BBRW-02** – Illustrates historical pre- and post-DNAPL recovery thickness and amount of DNAPL recovered from BBRW-02. The amount of DNAPL recovered from BBRW-02 has consistently decreased from Q2 2006 through Q1 2008. The reduced DNAPL recharge into the well and the resultant reduced DNAPL recovery rate may be attributed to the removal of DNAPL from the subsurface within the vicinity of the BBRW-02. The operational schedule of the DNAPL system was changed from operating once every two weeks to once every three weeks due to the decreasing recovery.

2.1.4 Future Plans

- The DNAPL recovery system will continue to be manually operated at an interval of once every three weeks.
- The pumping interval will continue to be evaluated on a quarterly basis.
- The DNAPL/aqueous solution will be removed and disposed of by a licensed liquid hazardous waste transporter to a treatment, storage and disposal facility (TSDF) capable of receiving the specific waste material. The schedule of removal will be established such that DNAPL storage time on-Site does not exceed 90 days from the start of accumulation in a drum.

- A permanent enclosure to house the pump, well, and control panel will be installed at the completion of the portion of the OU-1 remedy that will take place in this area.

2.2 Oxygen Injection System

2.2.1 Program Scope and Purpose

An oxygen injection system was installed downgradient of the “gate” portion of the barrier wall at the downgradient edge of OU-1 in February 2008. This system is currently being used as to treat groundwater at the “gate” portion of the barrier wall until the full scale ozone treatment system is complete. The location of the oxygen injection system is illustrated on Figure 1.

2.2.2 Current Site Activity

The following OU-1 oxygen injection system monitoring and system operation activities were performed in Q1 2008.

- **System Startup and Operation:** The OU-1 oxygen injection system start-up period was from February 20, through February 27, 2008. The system has operated continuously since February 27, 2008 with the exception of injection points 11 through 16 which were shut-down on March 4, 2008 due to barrier wall construction activities. The treatment system will be monitored on a monthly basis to ensure effective continued operation. During each monitoring event system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system performance. System operation monitoring was performed on March 26, 2008 during Q1 2008.
- **Groundwater Parameter Monitoring:** Three clusters of four monitoring wells (12 groundwater monitoring wells total) were installed downgradient of the OU-1 oxygen injection system to monitor system performance. These monitoring wells included OZMW-16S, OZMW-16I, OZMW-16I2, OZMW-16D; OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-17D; OZMW-18S, OZMW-18I, OZMW-18I2, and OZMW-18D. The wells were monitored for Dissolved Oxygen Content (DO), Oxidation Reduction Potential (ORP), pH, Conductivity, and Temperature for baseline conditions prior to system start-up in February 2008, and the OZMW-17 well cluster was monitored in March 2008 to monitor system performance after initial system start-up.
- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-1 are sampled quarterly

for volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs). Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in subsection 2.3 below.

2.2.3 Oxygen Injection System OM&M Data

Table 2-3 provides the baseline data gathered at downgradient monitoring well clusters OZMW-16, OZMW-17, and OZMW-18, and post start-up data for well cluster OZMW-17. Although the system has only been operational for the month of March, increases in DO have been observed at monitoring well cluster OZMW-17. DO concentrations ranged between 0 and 22 milligrams per liter (mg/L).

2.2.4 Future Plans

- Monthly system checks, groundwater parameter monitoring, and quarterly contaminants of concern (COC) sampling.
- Weekly system checks will continue to be made with qualified field staff.
- A mechanic will conduct all labor intensive maintenance on the system.

2.3 Groundwater Monitoring

2.3.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-1 to aid in monitoring the groundwater plume (OU-2), and establishing baseline conditions against which the effectiveness of the planned ozone injection system and other remedial activities can be judged. There are currently 20 groundwater monitoring wells located on OU-1. In addition, 16 monitoring wells in four well cluster locations (OZMW-16S, I, I2, D; OZMW-17S, I, I2, D; OZMW-18S, I, I2, D and OZMW-22S, I, I2, D) were installed at the downgradient boundary of OU-1 in Q1 2008. The wells were installed to monitor the performance of the ozone injection system which will be installed at the gate of the subsurface containment barrier. The wells are currently being used to monitor the performance of the oxygen injection system installed at this location. The well locations and geographic boundaries of OU-1 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

2.3.2 Current Site Activity

The following groundwater monitoring activities took place in OU-1 during Q1 2008.

- Depth to groundwater measurements were obtained on January 15, 2008 from the following 17 monitoring wells: BMW-05D, BMW-05D2; BMW-13D, BMW-20I, BMW-22S, BMW-22I, BMW-22D; BMW-26S, BMW-26I, BMW-27S, BMW-27I; MW-03S, MW-03D; MW-05S, MW-05D; MW-09S, and MW-09I.
- The following 16 groundwater monitoring wells were installed at the downgradient boundary of OU-1 in January 2008: OZMW-16S, OZMW-16I, OZMW-16I2, OZMW-16D; OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-17D; OZMW-18S, OZMW-18I, OZMW-18I2, OZMW-18D, OZMW-22S, OZMW-22I, OZMW-22I2, and OZMW-22D.
- Groundwater samples were collected on January 30, 2008; February 1, 2, 14, 18, 19, and 28, 2008; and March 3, 2008 from the following 33 monitoring wells: BBWM-05D, BMW-05D2, BMW-13D, BMW-20I, BMW-22S, BMW-22I, BMW-22D, BMW-26S, BMW-26I, BMW-27S, BMW-27I, MW-03S, MW-03D; MW-05S, MW-05D; MW-09S; MW-09I, OZMW-16S, OZMW-16I, OZMW-16I2, OZMW-16D; OZMW-17S, OZMW-17I, OZMW-17I2, OZMW-17D; OZMW-18S, OZMW-18I, OZMW-18I2, OZMW-18D, OZMW-22S, OZMW-22I, OZMW-22I2, and OZMW-22D. Groundwater samples from 11 of the 33 wells were analyzed for benzene, toluene, ethylbenzene and xylene (BTEX) and methyl tert-butyl ether (MTBE) by United States Environmental Protection Agency (EPA) Method 8260 and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Groundwater samples from the remaining 22 wells were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

2.3.3 Groundwater Elevation Data

The depth to groundwater and groundwater elevation data for OU-1 are provided on the following tables and figures.

- **Table 2-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater elevation data for OU-1 wells measured in Q1 2008. The elevation data presented on this table is in reference to the NAVD88 datum.
- **Table 2-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-1 groundwater monitoring wells. All historic groundwater elevation data presented has been recalculated based on the November 2007 survey data and the NAVD88 datum.

- **Figure 3 – On-Site Shallow Groundwater Contour Map** – provides the Q1 2008 shallow groundwater elevation contours for OU-1 and OU-3.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q1 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q1 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is towards the south/southeast. The shallow groundwater hydraulic gradient is approximately 0.0033 feet/foot and the deep groundwater hydraulic gradient is approximately 0.0023 feet/foot. The groundwater elevation in OU-1 monitoring wells during the Q1 2008 event were an average of 0.83 feet higher than the Q4 2007 groundwater elevations and an average of 0.21 feet lower than the Q1 2007 groundwater elevations.

2.3.4 Groundwater Analytical Data

The groundwater analytical results for groundwater monitoring wells located in OU-1 and sampled in Q1 2008 are provided on the following tables:

- **Table 2-6 Summary of Historic Total BTEX Groundwater Analytical Results** – provides a summary of historical total BTEX results for existing OU-1 groundwater monitoring wells.
- **Table 2-7 Summary of Historic Total PAH Groundwater Analytical Results** – provides a summary of historical total PAH results for existing OU-1 groundwater monitoring wells.
- **Table 2-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-1 for each of the analyzed compounds detected in Q1 2008.
- **Table 2-9 Summary of Expanded Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-1 that were analyzed for the expanded list of VOCs for each compound detected in Q1 2008.

2.3.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends.

Seventeen of the 33 wells sampled in Q1 2008 were sampled in at least one previous Q1 sampling event. Sixteen of these 17 monitoring wells had sufficient data available (greater than one historic sampling event) to calculate the standard deviation and mean historical Q1 concentrations (exclusive of the Q1 2008 data). The Q1 2008 data were then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include at least 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations.

The results of the statistical analysis for the OU-1 historic Q1 data for total BTEX are shown below. The table below provides the total BTEX concentrations measured in Q1 2008 and the mean and standard deviation calculated for the historical total BTEX values. The resultant statistical range (the mean concentration plus or minus 2 standard deviations) is also presented.

Well No.	Screen Interval (ft-bgs)	Total BTEX Concentration (ug/L)				
		Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
BBMW-05D	64.0 - 74.0	717	1,131	578	-25	2,288
BBMW-13D	62.0 - 72.0	0	0	0	0	0
BBMW-20I	35.0 - 45.0	8	128	36	56	201
BBMW-22D	64.0 - 74.0	2,356	2,579	2,133	-1,688	6,846
BBMW-22I	30.0 - 40.0	31	13	8	-3	30
BBMW-22S	5.0 - 10.0	5,816	10,776	2,768	5,241	16,311
BBMW-26I	30.0 - 40.0	0	0	0	0	0
BBMW-26S	6.0 - 16.0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	0	0	0	0
BBMW-27S	5.0 - 15.0	0	0	0	0	0
MW-03D	35.0 - 45.0	0	0	0	0	0
MW-03S	3.0 - 13.0	30	44	76	-108	196
MW-05D	35.5 - 45.5	0	4	9	-13	21
MW-05S	4.0 - 14.0	15,095	35,196	14,122	6,952	63,441
MW-09I	30.0 - 40.0	4	0	0	0	0
MW-09S	4.0 - 14.0	0	0	0	0	0

Shaded values indicate value outside of calculated statistical range

All of the OU-1 Q1 2008 total BTEX concentrations fall within two standard deviations of the mean historical Q1 total BTEX concentration with the exception of the BTEX concentrations detected in BBMW-20I, BBMW-22I and MW-09I. The BTEX concentration was greater than two standard deviations lower than the previous Q1 BTEX concentrations at BBMW-20I, indicating a decrease in BTEX at this location. The Q1 BTEX concentration was slightly higher than the statistical range at BBMW-22I and MW-09I. The Q1 BTEX concentration at MW-09I has been historically below detection limits; however, 4 microgram per liter (ug/L) of BTEX was detected at this location in Q1 2008.

When the same analysis is performed for the entire OU-1 data set, independent of the quarter the data was collected, all of the Q1 2008 total BTEX concentrations fall within two standard deviations from the historical mean concentration of the entire OU-1 data set with the exception of MW-09I. The 4 ug/L of BTEX detected in MW-09I in Q1 2008 was the highest concentration of BTEX historically detected at this location. The previous highest BTEX concentration at MW-09I was 2 ug/L detected in Q2 2007. The entire OU-1 total BTEX historical data set for existing wells is presented on **Table 2-6**.

The results of the statistical analysis for the OU-1 historic Q1 data for total PAHs are shown below. The table below provides the total PAH concentrations measured in Q1 2008 and the mean and standard deviation calculated for the Q1 historical total PAH concentrations. The resultant statistical range (the mean concentration plus or minus 2 standard deviations) is also presented.

Well No.	Screen Interval (ft-bgs)	Total PAH Concentration (ug/L)				
		Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
BBMW-05D	64.0 - 74.0	981	2,678	585	1,508	3,849
BBMW-13D	62.0 - 72.0	0	0	0	0	0
BBMW-20I	35.0 - 45.0	75	7,166	231	6,705	7,627
BBMW-22D	64.0 - 74.0	4,257	32,742	62,823	-92,903	158,388
BBMW-22I	30.0 - 40.0	5,536	5,666	1,582	2,503	8,829
BBMW-22S	5.0 - 10.0	24	2,661	910	842	4,480
BBMW-26I	30.0 - 40.0	0	0	0	0	0
BBMW-26S	6.0 - 16.0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	0	0	0	0
BBMW-27S	5.0 - 15.0	0	0	0	0	0
MW-03D	35.0 - 45.0	0	61	106	-151	274
MW-03S	3.0 - 13.0	0	8	14	-21	37
MW-05D	35.5 - 45.5	2,644	2,445	798	849	4,041
MW-05S	4.0 - 14.0	1,699	2,079	484	1,111	3,046
MW-09I	30.0 - 40.0	0	0	0	0	0
MW-09S	4.0 - 14.0	0	0	0	0	0

Shaded values indicate value outside of calculated statistical range

The Q1 2008 PAH concentration was less than two standard deviations below the historic Q4 mean PAH concentration for three of the sixteen wells where sufficient data was available to perform the statistical analysis (BBMW-05D, BBMW-20I and BBMW-22S) indicating a decrease in PAH concentrations at these locations.

When the same analysis is performed on the entire OU-1 data set, independent of the quarter the data was collected, the total PAH concentrations in monitoring well BBMW-20I and BBMW-22S decreased to historic lows, greater than two standard deviations below the historical mean total PAH concentrations (**Table 2-7**). The reductions in PAH concentrations may be a result of the excavation activities that have occurred on OU-1.

Based on the small number of wells in the Q1 2008 data set that fell outside of +/- two standard deviations from their historical means, the total BTEX and total PAH concentrations detected in Q1 2008 are generally statistically consistent with data collected in OU-1 since the groundwater monitoring program began. However, some indications of decreased BTEX and PAH concentrations as a result of remedial activities on OU-1 may be present.

2.3.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

2.4 Institutional Controls/Engineering Controls (IC/EC)

There has been no activity this quarter.

3. Operable Unit 2 – Bay Shore Groundwater Plume

3.1 Oxygen Injection System

3.1.1 Program Scope and Purpose

An oxygen injection groundwater treatment system, comprised of two injection lines located along Montauk Highway and at the intersection of Manatuck and Garner Lanes, was installed in November of 2005 to mitigate dissolved-phase groundwater contaminant concentrations in the OU-2 plume migrating to Lawrence Creek (**Figure 1**). The oxygen injection system injects oxygen into the upper glacial aquifer to increase dissolved oxygen concentrations in groundwater and enhance biological breakdown of dissolved constituents in the groundwater plume in OU-2 prior to and during the remedy for OU-1.

3.1.2 Current Site Activity

The following OU-2 oxygen injection system monitoring and system operation activities were performed in Q1 2008.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, seven monitoring wells downgradient of the oxygen injection lines (OU2MW-06, OU2MW-07, BMW-25S, BMW-25I, OU2MW-01S, OU2MW-01I, and OU2MW-01I2) are monitored for DO, ORP, pH, Conductivity, and Temperature. Monthly Groundwater Parameter Monitoring was performed on the following dates:
 - January 21, 24, 2008
 - February 20, 21, 25, 27, 28, 2008
 - March 25, 26, 2008

- **System Operation Monitoring:** The groundwater treatment system is monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system performance. System Operation Monitoring was performed on the following dates:
 - January 22, 2008
 - February 25, 2008
 - March 27, 2008

- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-2 are sampled quarterly for VOCs, and SVOCs. Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in subsection 3.2 below.

3.1.3 Oxygen Injection System OM&M Data

The OU-2 Oxygen Injection System OM&M data are provided on the following tables and figures.

- **Table 3-1 Summary of Groundwater Parameter Data – Montauk Highway Oxygen Injection Line** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Montauk Highway oxygen injection line. The data presented on this table indicate that for Q1 2008:
 - DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 0 and 48 mg/L;
 - ORP remained elevated in select downgradient monitoring wells. ORP ranged between -134 and 253 millivolts (mV);
 - pH has remained consistent. pH varied between 4.85 and 7.13 Standard Units (SU) in downgradient monitoring wells;
 - Conductivity in downgradient monitoring wells has remained consistent and has ranged between 0.036 and 0.919 milli-Siemen per centimeter (mS/cm); and
 - Temperature data has remained consistent for typical Q1 conditions.
- **Table 3-2 Summary Groundwater Parameter Data – Manatuck Lane Oxygen Injection Line** – provides the historic conductivity, DO, ORP, pH and Temperature data for well downgradient of the Manatuck Lane oxygen injection line. The data presented in this table indicate that for Q1 2008:
 - DO concentrations remained elevated in downgradient monitoring wells. DO concentrations ranged between 2.8 and 40 mg/L;
 - ORP remained elevated in select downgradient monitoring wells. ORP ranged between -159 and 230 mV;
 - pH has remained consistent. pH varied between 5.59 and 7.27 SU in downgradient monitoring wells;
 - Conductivity in downgradient monitoring wells has remained consistent Conductivity ranged between 0.14 and 0.66 mS/cm; and
 - Temperature data remained consistent for typical Q1 conditions.

- **Figure 6 Montauk Highway Oxygen Injection Line Groundwater Data** – provides graphical depiction of DO, ORP, Conductivity, pH, temperature, total BTEX and total PAH measurements over time for wells located downgradient of the Montauk Highway oxygen injection line. Sheet 1 of Figure 6 provides data for the wells located closest to the Montauk Highway injection line (BBMW-25S, I and D; OU2MW-01S, I, I2 and D; and OU2MW-02S, I, I2, and D) and Sheet 2 of Figure 6 provides data for well clusters OU2MW-03 and OU2MW-04 which are located approximately 400 feet downgradient of the Montauk Highway injection line. DO concentrations have remained elevated in select downgradient monitoring wells. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Montauk Highway injection line at wells where effects of the oxygen injection system have been noted (BBMW-25S, BBMW-25I, OU2MW-01S, OU2MW-01I, OU2MW-01I2, OU2MW-02S, OU2MW-02I, OU2MW-03I and OU2MW-04I). Further groundwater trend analysis is discussed in subsection 3.2.4.1.

- **Figure 7 Manatuck Lane Oxygen Injection Line Groundwater Data** – provides graphical depiction of DO, ORP, conductivity, pH, temperature, total BTEX and total PAH measurements over time for wells located downgradient of the Manatuck Lane oxygen injection line. Significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Manatuck Lane injection line at wells where effects of the oxygen system have been noted (OU2MW-06, OU2MW-07, GMP-04 and GMP-02). Further groundwater trend analysis is discussed in subsection 3.2.4.1.

- **Appendix A OU-2 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. The data provided in Appendix A indicate that:
 - Approximately 887 lbs of oxygen have been injected during Q1 2008 and a total of 6,361 lbs of oxygen have been injected since the initial start-up period; and
 - The OU-2 oxygen injection system operated for all 91 days during Q1 2008.

3.1.4 Future Plans

- Monthly system checks, groundwater monitoring, and quarterly COC sampling.
- Sampling of permanent soil vapor points.
- Weekly system checks will continue to be made with qualified field staff.

- The system operational status will continue to be checked by phone on a weekly basis.
- A mechanic will conduct all labor intensive maintenance on the system.

3.2 Groundwater Monitoring

3.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-2 to aid in monitoring the groundwater plume, the effectiveness of remedial activities, the effectiveness of the oxygen injection system, and to aid in remedy planning. There are 94 groundwater monitoring wells located within and adjacent to the OU-2 plume. The well locations and geographic boundaries of OU-2 are illustrated on **Figure 1**. The majority of OU-2 monitoring wells are sampled quarterly with the exception of groundwater monitoring wells BMW-01S, I, and D and BMW-23S, I, D and D2 which have been sampled on a monthly basis since Q2 2007. BMW-01S, I, and D and BMW-23S, I, D, and D2 are located approximately 100 to 200 feet downgradient of OU-1 and will continue to be monitored on a monthly basis to measure the influence of the OU-1 excavations and barrier wall installation on the OU-2 groundwater plume. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

3.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-2 during Q1 2008.

- Depth to groundwater measurements were obtained on January 15, 16 and 17, 2008 from 106 monitoring wells located within, sidegradient and downgradient of OU-2.
- Surface water elevations were obtained on January 16, 2008 from surface water gauges located within Lawrence Lake (BBSW-07) and Lawrence Creek (BBSW-06).
- Groundwater samples were collected from 94 monitoring wells located within OU-2 on January 23 and 24, 2008; February 6, 7, 8, 11, 14, 19, 20, 21, and 25 through 29, 2008; and March 3, 4, and 31, 2008. Monitoring wells BMW-01S, I, and D and BMW-23S, I, D and D2 were sampled monthly during Q1 2008 (January 23 and 24, 2008; February 26 and 27, 2008; and March 31, 2008). The groundwater samples from 91 wells were analyzed for expanded VOCs (EPA Method 8260) and PAHs (EPA Method 8270). The groundwater samples from BMW-04D, BMW-07I and BMW-07D were analyzed for BTEX (EPA Method 8260) and PAHs (EPA Method 8270).

3.2.3 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-2 are provided on the following tables and figures.

- **Table 3-3 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-2 wells measured in Q1 2008.
- **Table 3-4 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for existing OU-2 groundwater monitoring wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q1 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q1 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is toward the south/southeast. The shallow groundwater hydraulic gradient ranges from approximately 0.003 feet/foot in the upgradient portion of the plume to approximately 0.006 feet/foot in the downgradient portion of the plume. The deep groundwater hydraulic gradient ranged from approximately 0.003 feet/foot to 0.004 feet/foot. The groundwater elevation in OU-2 monitoring wells during the Q1 2008 event were an average of 0.51 feet higher than the Q4 2007 groundwater elevations and an average of 1.13 feet lower than the Q1 2007 groundwater elevations.

3.2.4 Groundwater Analytical Data

The OU-2 groundwater analytical data are presented on the following tables.

- **Table 3-5 Summary of Historic Total BTEX Groundwater Analytical Results Upgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-6 Summary of Historic Total PAH Groundwater Analytical Results-Upgradient of the Montauk Highway Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells upgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-7 Summary of Historic Total BTEX Groundwater Analytical Results Downgradient of Montauk Highway Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.
- **Table 3-8 Summary of Historic Total PAH Groundwater Analytical Results-Downgradient of the Montauk Highway Oxygen Injection Line** – presents a

summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Montauk Highway Oxygen Injection Line.

- **Table 3-9 Summary of Historic Total BTEX Groundwater Analytical Results Downgradient of Manatuck Lane Oxygen Injection Line** – presents a summary of historical total BTEX results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-10 Summary of Historic Total PAH Groundwater Analytical Results-Downgradient of the Manatuck Lane Oxygen Injection Line** – presents a summary of historical total PAH results for existing OU-2 groundwater monitoring wells downgradient of the Manatuck Lane Oxygen Injection Line.
- **Table 3-11 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for each of the analyzed compounds detected in Q1 2008.
- **Table 3-11 Summary of Expanded Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-2 for each compound detected during the Q1 2008 sampling event.

3.2.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. In addition, analysis of the data has been separated between the areas upgradient and downgradient of the oxygen injection system. The discussion of groundwater downgradient of the oxygen injection system is further divided by the first injection line at Montauk Highway and the second oxygen injection line at Manatuck Lane (**Figure 1**).

A comparison of previous Q1 data to the Q1 2008 data is presented below for the areas upgradient and downgradient of the oxygen injection system. Where sufficient data were available, the standard deviation was calculated for historical Q1 concentrations (exclusive of the Q1 2008 data). The Q1 2008 data were then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations. For the seven monitoring wells sampled monthly during Q1 2008, the largest concentration was used to calculate trend statistics.

Upgradient of the OU-2 Oxygen Injection System

Twenty-eight wells were sampled upgradient of the oxygen injection system in OU-2 during Q1 2008. Of these 28 wells, 20 wells had sufficient historical Q1 data to perform the statistical analysis described above.

The results of this statistical analysis for total BTEX is provided on the table below and includes a summary of the Q1 2008 BTEX concentration, the historical Q1 standard deviation, historical Q1 mean (exclusive of Q1 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations) for each well.

Well No.	Screen Interval (ft-bgs)	Total BTEX Concentration (ug/L)				
		Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
BBMW-01D*	68.5 - 78.5	43	135	130	-126	396
BBMW-01I*	32.0 - 42.0	262	248	269	-289	785
BBMW-01S*	5.0 - 15.0	4,210	1,732	1,226	-720	4,185
BBMW-02D	73.0 - 83.0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0
BBMW-02S	5.0 - 15.0	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0
BBMW-15I	35.0 - 45.0	0	0	0	0	0
BBMW-15I2	23.0 - 28.0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0
BBMW-23D*	49.5 - 59.5	493	299	319	-339	938
BBMW-23D2*	63.0 - 73.0	0	0	0	0	0
BBMW-23I*	33.0 - 43.0	0	0	0	0	0
BBMW-23S*	5.0 - 15.0	26,389	13,700	7,371	-1,041	28,442
BBMW-24D	59.5 - 69.5	176	938	359	220	1,657
BBMW-24I	32.0 - 42.0	0	325	259	-193	844
BBMW-24S	4.0 - 14.0	0	0	0	0	0

Notes: * indicates maximum monthly value presented
 Shaded values indicate value outside of calculated statistical range

The Q1 2008 total BTEX concentrations at monitoring well BBMW-01S was greater than two standard deviations above the historical Q1 mean value indicating a slight increase in concentration at this location. The Q1 2008 total BTEX concentrations at monitoring well BBMW-24D was greater than two standard deviations below the historical Q1 mean values indicating a slight decrease in concentration at this location. The Q1 2008 BTEX concentrations in the remaining wells fell within two standard deviations from their historical Q1 means.

When the same analysis was performed on the entire OU-2 data set upgradient of the oxygen injection system, independent of the quarter the data was collected, the Q1 2008 total BTEX concentrations in all of the wells fell within two standard deviations from their historical mean concentration (**Table 3-5**). The total BTEX concentrations measured in BBMW-24I and OU2MW-08I during Q1 2008 are the historically lowest BTEX concentrations detected at these locations.

Both the BBMW-01 and BBMW-23 well clusters have been sampled on a monthly basis since May 2007. These wells were selected for monthly sampling to more closely monitor the

groundwater impacts immediately downgradient of the OU-1 barrier wall installation and OU-1 excavation activities. The BTEX concentrations in these wells for each of the Q2 2007, Q3 2007, Q4 2007 and Q1 2008 sampling events are presented in the following table.

Well ID:		BBMW-01D	BBMW-01I	BBMW-01S	BBMW-23D	BBMW-23D2	BBMW-23I	BBMW-23S
Screen Depth:		68.5 - 78.5	32.0 - 42.0	5.0 - 15.0	49.5 - 59.5	63.0 - 73.0	33.0 - 43.0	5.0 - 15.0
Sample Date		Total BTEX Concentration (ug/L)						
May	Q2	416	57	3,640	85	0	0	14,854
June	2007	555	156	2,985	96	0	0	18,185
July	Q3	270	252	4,344	677	0	0	13,434
Aug.	2007	163	289	7,420	998	0	19	5,853
Sept.		386	375	1,763	1,324	0	3	19,818
Oct.	Q4	5	274	1,887	660	0	0	13,621
Nov.	2007	1	127	5,590	621	0	4	14,940
Dec.		9	177	2,430	459	0	10	8,501
Jan.	Q1	22	262	2,720	493	0	0	7,726
Feb	2008	28	218	4,210	89	0	0	10,553
March		43	67	2,865	31	0	0	26,389

Review of the above data indicates that the BTEX concentrations in BBMW-01S have been fluctuating between 1,763 ug/L and 7,420 ug/L for the past four quarters. The Q1 2008 concentrations in BBMW-01S were within the range of observed fluctuations. The BTEX concentration in BBMW-01D has increased slightly in Q1 2008 from the low values observed in Q4 2007; however, the BTEX concentrations remained lower than the concentrations detected in the Q2 2007 and Q3 2007 sampling events. Monthly samples will continue to be collected from these wells.

The results of the statistical analysis for total PAHs are provided below. The following table presents a summary of the Q1 2008 total PAH concentration, the historical Q1 standard deviation, historical Q1 mean (exclusive of Q1 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations) for each well.

Well No.	Screen Interval (ft-bgs)	Total PAH Concentration (ug/L)				
		Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
BBMW-01D*	68.5 - 78.5	55	706	569	-431	1,844
BBMW-01I*	32.0 - 42.0	10,403	6,504	2,282	1,939	11,069
BBMW-01S*	5.0 - 15.0	1,432	1,289	735	-180	2,758
BBMW-15I	35.0 - 45.0	0	0	0	0	0
BBMW-15I2	23.0 - 28.0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0
BBMW-23D*	49.5 - 59.5	3,118	1,584	934	-283	3,452
BBMW-23D2*	63.0 - 73.0	2	0	0	0	0
BBMW-23I*	33.0 - 43.0	16	131	90	-49	310
BBMW-23S*	5.0 - 15.0	2,569	1,352	294	763	1,941
BBMW-24D	59.5 - 69.5	0	4,070	1,322	1,426	6,713
BBMW-24I	32.0 - 42.0	85	4,257	2,779	-1,300	9,814
BBMW-24S	4.0 - 14.0	0	0	0	0	0
GM-03D	53.18 - 68.18	48	6	14	-21	34
GM-03I	30.03 - 45.03	2	409	565	-721	1,540
GM-03S	6.78 - 21.78	0	144	201	-258	545
OU2MW-08D	65.0 - 70.0	0	0	0	0	0
OU2MW-08I	35.0 - 40.0	2,264	2,745	3,165	-3,585	9,075
OU2MW-08I2	50.0 - 55.0	1,646	1,560	150	1,260	1,860
OU2MW-08S	20.0 - 25.0	6,542	7,866	2,973	1,919	13,812

Notes: * indicates maximum monthly value presented
 Shaded PAH values indicate value outside of calculated statistical range

The Q1 2008 total PAH concentrations at monitoring wells BBMW-23S, BBMW-23D2 and GM-03D were greater than two standard deviations above the historical Q1 mean values. The PAH concentration in BBMW-24D was greater than two standard deviations below the historical Q1 mean value indicating a decrease in concentration at this location. The Q1 2008 PAH concentrations in the remaining wells fell within two standard deviations from their historical Q1 means.

When the same analysis was performed on the entire OU-2 data set upgradient of the oxygen injection system, independent of the quarter the data was collected, the total PAH concentrations at all of the monitoring wells were within two standard deviations of the overall historical mean. The PAH concentration in BBMW-24D remained below detection levels. The PAH concentration in BBMW-24D has been predominantly non-detect since Q2 2007. Prior to Q2 2007 the PAH concentration in BBMW-24D has ranged from 360 ug/L to 8,110 ug/L with an average value of 4,110 ug/L (**Table 3-6**).

As stated above, both the BBMW-01 and BBMW-23 well clusters have been sampled on a monthly basis since May 2007. The total PAH concentrations in these wells for each of the Q2 2007, Q3 2007, Q4 2007 and Q1 2008 sampling events are presented in the following table.

Well ID:		BMW-01D	BMW-01I	BMW-01S	BMW-23D	BMW-23D2	BMW-23I	BMW-23S
Screen Depth:		68.5 - 78.5	32.0 - 42.0	5.0 - 15.0	49.5 - 59.5	63.0 - 73.0	33.0 - 43.0	5.0 - 15.0
Sample Date		Total PAH Concentration (ug/L)						
May	Q2	695	7,721	3,189	6,619	0	1,355	2,318
June	2007	2,090	6,848	4,347	5,216	0	2,207	2,519
July	Q3	862	8,949	3,972	4,927	0	2,559	1,785
Aug.	2007	300	2,789	2,787	5,443	1	197	1,746
Sept.		1,248	5,384	2,618	5,835	0	31	1,427
Oct.	Q4	0	4,536	1,162	5,620	0	0	2,703
Nov.	2007	5	4,942	2,047	3,130	0	20	1,870
Dec.		0	8,071	3,929	3,641	0	31	2,381
Jan.	Q1	33	7,517	176	3,118	0	16	198
Feb	2008	50	10,403	30	957	0	0	1,895
March		55	6,752	1,432	310	2	1	2,569

Review of the above data indicates that the PAH concentrations measured in BMW-01D and BMW-23I have been reduced significantly in the Q4 2007 and Q1 2008 sampling events. The PAH concentrations have decreased in BMW-23D for the two most recent Q1 2008 monthly sampling events and in BMW-01S for two of the three Q1 2008 monthly sampling events. Monthly samples will continue to be collected from these wells.

The reductions and fluctuations in BTEX and PAH concentrations detected in OU-2 upgradient of the oxygen injection system could potentially be caused by remediation activities occurring in OU-1 including, barrier wall construction activities, source area excavations and oxygen injection system operation. It is anticipated that the barrier wall construction will be completed in 2008. An oxygen injection system was installed at the downgradient edge of OU-1 south in February 2008 to treat groundwater downgradient of the wall until the full scale ozone treatment system is complete. Additional oxygen injection systems are planned for installation within the OU-2 groundwater plume in 2008.

Downgradient of Montauk Highway Oxygen Injection Line

The following 45 wells are located downgradient of the Montauk Highway oxygen injection line and upgradient of the Manatuck Lane injection line:

- BMW-03S, I, and D;
- BMW-25S, I, and D;
- OU2MW-01WT, S, I, I2, and D;
- OU2MW-02S, I, I2, and D;
- OU2MW-03S, I, I2, and D;
- OU2MW-04WT, S, I, I2, and D;
- OU2MW-05,
- OU2MW-09;
- OU2MW-11S, I, I2, and D;
- OU2MW-14S, I, and I2;

- OU2MW-15S, I, I2, and D;
- OU2MW-16S, I, I2, and D;
- GM-05S, I, and D; and
- GMP-01.

As presented in subsection 3.1.3 above, significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Montauk Highway injection line at wells where effects of the oxygen injection system have been noted. Plots of groundwater parameters and total BTEX and total PAH concentrations over time are presented in **Figure 6** for wells located downgradient of the Montauk Highway injection line. The pre- and post-oxygen injection BTEX and PAH concentrations are presented in **Tables 3-7 and 3-8**, respectively.

The pre-treatment and post-treatment statistical trends were evaluated by calculating the standard deviation and mean BTEX and PAH concentrations for historical groundwater samples prior to initiation of oxygen injection system (prior to January 2006). The post-oxygen injection system data were then compared to two standard deviations from the mean pre-oxygen injection system data. This analysis was performed for the BMW-25, GM-05 and GMP-01 well clusters as these are the only well locations within the OU-2 plume downgradient of the Montauk Highway injection line with sufficient pre-oxygen injection system data available. Well cluster BMW-25 is located immediately downgradient of the Montauk Highway injection line. Well clusters GM-05 and GMP-01 are located approximately 1,000 feet downgradient of the Montauk Highway injection line, just upgradient of the Manatuck Lane injection line. Only one sampling event (August 2005) was conducted prior to start-up of the oxygen injection system (January 2006) at the OU2MW-01, 03, 04, 05 and 09 well clusters. Well clusters OU2MW-11, 14, 15 and 16 were installed and first sampled in Q3 2007.

The tables below present the post-oxygen injection system concentrations and the pre-oxygen injection mean concentration and standard deviation for BTEX and PAHs for each well.

Well No.	Total BTEX Concentrations (ug/L)										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	Post-Oxygen Injection Sampling Date											
	2006	2006	2006	2006	2007	2007	2007	2007	2008			
	March	June	Jul/ Aug	Nov/ Dec	Mar/ Apr	May- July	Jul/Sept	Nov/Dec	Feb			
BBMW-25S	0	0	0	0	0	0	0	0	2	5	17	
BBMW-25I	264	0	79	344	0	148	252	41	158	1,106	515	
BBMW-25D	11	21	78	76	0	0	16	6	2	51	32	
GM-05D	0	--	--	--	0	0	0	0	4	0	0	
GM-05I	0	--	--	--	0	0	13	0	0	0	1	
GM-05S	140	21	0	12	0	0	0	14	185	117	138	
GMP-01	0	--	--	--	0	0	0	135	182	883	820	

Well No.	Total PAH Concentrations (ug/L)										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	Post-Oxygen Injection Sampling Date											
	2006	2006	2006	2006	2007	2007	2007	2007	2008			
	March	June	Jul/ Aug	Nov/ Dec	Mar/ Apr	May- July	Jul/Sept	Nov/Dec	Feb			
BBMW-25S	0	0	0	0	0	0	10	1	0	4	8	
BBMW-25I	1,560	0	37	488	11	78	457	2	181	5,965	2,043	
BBMW-25D	308	125	160	384	0	0	3	0	0	526	559	
GM-05D	0	--	--	--	0	0	0	0	0	4	11	
GM-05I	0	--	--	--	0	0	7	0	0	7	16	
GM-05S	34	0	0	0	0	0	0	13	0	518	646	
GMP-01	9,385	9,261	5,555	3,936	4,019	5,506	159	4428	159	2,433	2,928	

All of the 2006, 2007 and 2008 post-oxygen injection total BTEX concentrations for wells BBMW-25S, BBMW-25I and GMP-01 were below the mean total BTEX pre-oxygen injection concentrations. The BTEX concentration in GM-05I was below detection limits for all post-oxygen injection sampling events with the exception of Q3 (July/September) 2007.

All of the post-oxygen injection PAH concentrations for wells BBMW-25S, I, D, and GM-05S, I, D were below the mean pre-oxygen injection system PAH concentration with the exception of the PAH concentration (10 ug/L) detected in BBWM-25S in Q3 2007. The Q1 2008 PAH concentration detected in GMP-01 was below the pre-oxygen injection mean PAH concentration.

Downgradient of Manatuck Lane Oxygen Injection Line

The following 17 wells are located downgradient of the Manatuck Lane oxygen injection line:

- GMP-02;
- GMP-04;
- OU2IW-01S;

- OU2MW-06 and 06S;
- OU2MW-07 and 07S;
- OU2MW-10S, I, and D;
- OU2MW-12S, I, I2 and D and
- OU2MW-13S, I, and D.

As presented in subsection 3.1.3 above, significant decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Manatuck Lane injection line at wells where effects of the oxygen injection system have been noted. Plots of groundwater parameters and total BTEX and total PAH concentrations over time are presented in **Figure 7** for wells located downgradient of the Manatuck Lane injection line. The pre- and post-oxygen injection BTEX and PAH concentrations are presented in **Tables 3-9 and 3-10**, respectively.

The pre-treatment and post-treatment statistical trends were analyzed by calculating the standard deviation and mean BTEX and PAH concentrations for historical groundwater samples prior to initiation of oxygen injection system (prior to January 2006). The post-oxygen injection system data were then compared to two standard deviations from the mean pre-oxygen injection system data. This analysis was performed for wells GMP-02 and GMP-04 as these are the only well locations downgradient of the Manatuck Lane injection line with sufficient pre-treatment data available. Only one sampling event (August 2005) was conducted prior to start-up of the oxygen injection system (January 2006) at wells OU2MW-06 and OU2MW-07. Wells OU2IW-01S, OU2MW-06S, OU2MW-07S, OU2MW-10S, I, and D, OU2MW-11S, I, I2 and D, OU2MW-12S, I, I2 and D and OU2MW-13S, I, and D were first sampled in Q3 2007.

The tables below present the post-oxygen injection system concentrations and the pre-oxygen injection mean concentration and standard deviations for BTEX and PAHs.

Well No.	Total BTEX Concentrations (ug/L)									Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	Post-Oxygen Injection Sampling Date										
	2006	2006	2006	2006	2007	2007	2007	2007	2008		
	March	June	Jul/Aug	Nov/Dec	Mar/Apr	May-July	July/Sept	Nov/Dec	Feb		
GMP-02	151	11	12	0	0	0	0	0	3	997	708
GMP-04	242	83	242	280	652	24	295	264	15	320	430

Well No.	Total PAH Concentrations (ug/L)										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	Post-Oxygen Injection Sampling Date											
	2006 March	2006 June	2006 Jul/ Aug	2006 Nov/ Dec	2007 Mar/ Apr	2007 May- July	2007 July/Sept	2007 Nov/Dec	2008 Feb			
GMP-02	0	0	10	11	0	0	0	0	0	4,559	2,179	
GMP-04	41	22	573	232	1,380	39	1,523	1,467	1	489	515	

GMP-02 is located immediately downgradient of the Manatuck Lane oxygen injection line. Both BTEX and PAH concentrations have been reduced significantly since the implementation of the oxygen injection at this location. The post-oxygen injection BTEX concentration have been below the mean pre-oxygen injection system concentration for each of the nine post-oxygen injection sampling rounds and BTEX has not been present above detection limits for the five of the six most recent sampling rounds. The post-oxygen injection PAH concentration at GMP-02 has been greater than two standard deviations below the pre-oxygen injection PAH mean concentration for each of the nine post-oxygen injection sampling rounds and has not been present above detection limits seven of these nine rounds.

The post-oxygen injection BTEX concentration has been lower than the mean pre-oxygen injection BTEX concentration for eight of the nine post-oxygen injection sampling rounds at GMP-04. The post-oxygen injection PAH concentration at GMP-04 has been lower than the mean pre-oxygen injection PAH concentration for five of the nine post-oxygen injection sampling rounds. The Q1 2008 PAH concentration at GMP-04 was 1 ug/L.

BTEX was not present above detection limits at five of the nine post-oxygen injection sampling rounds at OU2MW-06 and four of the nine post-oxygen injection sampling rounds at OU2MW-07. The pre-oxygen injection PAH concentrations were 9,241 ug/L and 66 ug/L in OU2MW-06 and OU2MW-07, respectively. The Q1 2008 PAH concentrations in OU2MW-06 and OU2MW-07 were 6 ug/L and 0 ug/L, respectively.

3.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

4. Operable Unit 3 – Brightwaters Yard & Groundwater Plume

4.1 Oxygen Injection Systems

4.1.1 Program Scope and Purpose

Two oxygen injection groundwater treatment systems have been installed at the Site to mitigate dissolved-phase groundwater impacts migrating from the OU-3 Brightwaters Yard to O-Co-Nee Pond. The first system was installed in Q3 2000, as part of an IRM at the intersection of Union Boulevard and Lanier Lane. This treatment system consists of one injection line intended to reduce the concentrations of MGP-related contaminants in groundwater prior to discharge into O-Co-Nee Pond. A second oxygen injection groundwater treatment system was installed in Q4 2004, as part of an IRM on the Brightwaters Yard. This treatment system consists of three injection lines intended to reduce the concentrations of MGP-related contaminants in groundwater leaving the Site boundary.

4.1.2 Current Site Activity

The following OU-3 oxygen injection system monitoring and system operation activities were performed in Q1 2008.

- **Monthly Groundwater Parameter Monitoring:** On a monthly basis, ten groundwater monitoring wells downgradient of the oxygen injection systems (MW-65, MW-75, MW-82, PDMW-01, IO-10, MW-34S, MW034I, MW-34D, MW-46WR, and MW-70/70S) are monitored for DO, ORP, pH, Conductivity, and Temperature. Monthly Groundwater Parameter Monitoring was completed at these wells on the following dates:
 - January 21, 22, 23, 2008
 - February 21, 25, 26, 2008
 - March 26, 27, 28, 2008
- **System Operation Monitoring:** The groundwater treatment systems are monitored on a monthly basis to ensure effective continued operation. During each monitoring event, system parameters relating to system operational and equipment readiness are recorded and adjusted as necessary to optimize system performance. System Operation Monitoring was completed for the Brightwaters Yard System and the Union Boulevard System on following dates:

- January 23, 2008
 - February 26, 2008
 - March 17, 27, 2008
- **Quarterly Groundwater Sampling:** Select monitoring wells upgradient and downgradient of the oxygen injection system located in OU-3 are sampled quarterly for VOCs, and SVOCs. Groundwater quality parameters (DO, pH, temperature, conductivity and ORP) are also recorded for each well during the quarterly sampling. Details on the groundwater sampling program are provided in subsection 4.2 below.

4.1.3 Oxygen Injection System OM&M Data

The OU-3 Oxygen Injection System OM&M data are provided on the following tables and figures.

- **Table 4-1 Summary Groundwater Parameter Data – Union Boulevard Oxygen Injection System** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Union Boulevard oxygen injection system. The data provided on this table indicate that for Q1 2008:
- DO concentrations remained elevated in downgradient monitoring wells IO-10, MW-46/WR, and MW-70/70S. DO concentrations ranged between 24 and 36 mg/L at these locations;
 - ORP remained elevated in select downgradient monitoring wells IO-10, MW-46/WR, and MW-70/70S. ORP ranged between -10 and 126 mV at these locations;
 - pH has remained consistent, pH ranged between 5.29 and 6.69 SU in downgradient monitoring wells;
 - Conductivity in downgradient monitoring wells has remained consistent. Conductivity ranged between 0.276 and 0.588 mS/cm; and
 - Temperature data remained consistent for typical Q1 conditions.
- **Table 4-2 Summary Groundwater Parameter Data – Brightwaters Yard Oxygen Injection System** – provides the historic conductivity, DO, ORP, pH and temperature data for wells downgradient of the Brightwaters Yard oxygen injection system. The data provided on this table indicate that for Q1 2008:
- DO concentrations remained elevated in downgradient monitoring wells MW-65, MW-75, MW-79, MW-82, MW-83, PDMW-01, and SV-02. DO concentrations ranged between 0 and 27 mg/L at these locations;

- ORP remained elevated in select downgradient monitoring wells MW-65, MW-75, MW-79, MW-82, MW-83, PDMW-01, and SV-02. ORP ranged between -118 and 135 mV at these locations;
 - pH has remained consistent, pH ranged between 4.87 and 7.35 SU in downgradient monitoring wells;
 - Conductivity in downgradient monitoring wells has remained consistent. Conductivity ranged between 0.112 and 1.31 mS/cm; and
 - Temperature data remained consistent for typical Q1 conditions.
- **Table 4-3 Summary of Heterotrophic Plate Count Results** – provides a summary of heterotrophic plate count results for select wells located downgradient of the OU-3 oxygen injection systems.
 - **Appendix B OU-3 Oxygen Injection System OM&M Data** – provides data collected during system operation monitoring. Table B-1 provides the Union Boulevard oxygen injection system operational data and Table B-2 provides the Brightwaters Yard oxygen injection system operational data.

The results provided in Table B-1 for the Union Boulevard system indicate:

- Approximately 372 lbs of oxygen were injected during Q1 2008.
- A total of 2,977 lbs of oxygen have been injected since the initial start-up period.
- The system operated for all 91 days during Q1 2008.

The results provided in Table B-2 for the Brightwaters Yard system indicate:

- Approximately 480 lbs of oxygen were injected during Q1 2008.
- A total of 5,353 lbs of oxygen have been injected since the initial start-up period.
- The system operated for all 91 days during Q1 2008.

- **Figure 8 Union Boulevard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO, ORP, Conductivity, pH, temperature, total BTEX and total PAH measurements over time for wells located downgradient of the Union Boulevard oxygen injection system. Decreases in total BTEX and total PAH concentrations are noticed historically in select monitoring wells (MW-46WR, IO-10, and MW-34I) in the vicinity of the Union Boulevard injection system. Further groundwater trend analysis is discussed in subsection 4.2.4.1.

- **Figure 9 Brightwaters Yard Oxygen Injection System Groundwater Data** – provides graphical depiction of DO, ORP, conductivity, pH, temperature, total BTEX and total PAH measurements over time for wells located downgradient of the Brightwaters Yard oxygen injection system. Potential impacts on the LIRR property make it difficult to evaluate the effectiveness of the Brightwaters Yard oxygen injection system. However, decreases in total BTEX concentrations have been seen at select monitoring wells (MW-75 and MW-82) since Q2 2005. Further groundwater trend analysis is discussed in subsection 4.2.4.1.

4.1.4 Future Plans

- Monthly system checks, groundwater monitoring and quarterly COC sampling.
- Weekly system checks will be made with qualified field staff.
- The systems operational status will be checked by phone on a weekly basis.
- A mechanic will conduct all labor intensive maintenance on the systems.

4.2 Groundwater Monitoring

4.2.1 Program Scope and Purpose

Groundwater monitoring is conducted within OU-3 to monitor the groundwater plume, to evaluate the effectiveness of remedial activities and the effectiveness of the oxygen injection systems, and to aid in remedy planning. There are currently 72 monitoring wells located on OU-3. The well locations and geographic boundaries of OU-3 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

4.2.2 Current Site Activity

The following groundwater monitoring activities took place in OU-3 during Q1 2008.

- Depth to groundwater measurements were obtained on January 15 and 16, 2008 from 36 monitoring wells located within and sidegradient of OU-3.
- The surface water elevation was obtained on January 16, 2008 from a surface water gauge located within the headwaters of O-Co-Nee Pond (BBSW-13).
- Groundwater samples were collected from 62 monitoring wells located within OU-3 on January 28 through 31, 2008; and February 1, 4 through 8, 11, 14, 27 and 29, 2008. Thirty-three of the groundwater samples were analyzed for BTEX and MTBE via EPA method 8260 and PAHs via EPA Method 8270 and 29 of the groundwater

samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

4.2.3 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-3 are provided on the following tables and figures.

- **Table 4-4 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-3 wells measured in Q1 2008.
- **Table 4-5 Historic Calculated Groundwater Elevations** – provides historic groundwater elevations for OU-3 for existing groundwater wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q1 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q1 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is toward the south/southeast. The shallow groundwater hydraulic gradient is approximately 0.0033 feet/foot. The deep groundwater hydraulic gradient ranged from approximately 0.003 feet/foot. The groundwater elevation in OU-3 monitoring wells during the Q1 2008 event were an average of 1.06 feet higher than the Q4 2007 groundwater elevations and an average of 0.44 feet lower than the Q1 2007 groundwater elevations.

4.2.4 Groundwater Analytical Data

The OU-3 groundwater analytical data is presented on the following tables.

- **Table 4-6 Summary of Historic Total BTEX Groundwater Analytical Results** - presents a summary of historical total BTEX results for existing OU-3 groundwater monitoring wells.
- **Table 4-7 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-3 groundwater monitoring wells.
- **Table 4-8 Summary of BTEX, MTBE and PAH Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q1 2008 sampling event.
- **Table 4-9 Summary of Expanded Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-3 for each compound detected during the Q1 2008 sampling event.

4.2.4.1 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. In addition, analysis of the data has been separated into three areas: (1) the Brightwaters East Parcel (former underground storage tank area) and areas upgradient of the Brightwaters Yard oxygen injection system; (2) areas downgradient of the Brightwaters Yard oxygen injection system including on-site wells and the area between the Site and Union Boulevard; and (4) the area downgradient of the Union Boulevard oxygen injection system between Union Boulevard and O-Co-Nee Pond.

A comparison of the previous Q1 data to the Q1 2008 data is presented below for each of the three areas. Where sufficient data were available, the standard deviation was calculated for historical Q1 concentrations (exclusive of the Q1 2008 data). The Q1 2008 data was then compared to two standard deviations from the mean. The range of data depicted within two standard deviations from the mean should include 75% of all concentrations recorded for the individual well (Chebyshev's inequality or Chebyshev's theorem). Concentrations that fall outside of this range would represent a significant variation in total BTEX or PAH concentrations.

Brightwaters East Parcel (Former UST Area)

The results of the statistical analysis for total BTEX and total PAHs for all groundwater samples collected from monitoring wells located on the Brightwaters East Parcel (Former UST Area) and upgradient of the Brightwaters Yard oxygen injection system are provided below. The following tables present a summary of the Q1 2008 total BTEX and total PAH concentrations, the historical Q1 standard deviation (exclusive of Q1 2008 data), historical Q1 mean (exclusive of Q1 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
Total BTEX Concentration (ug/L)						
BBMW-09S	5.0 - 15.0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	325	562	-1,125	1,449
MW-03	4.94 - 14.94	5	15	14	-29	44
MW-04	5.1 - 15.1	0	2	5	-10	12
Total PAH Concentration (ug/L)						
BBMW-09S	5.0 - 15.0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	40	69	-99	179
MW-03	4.94 - 14.94	12	26	37	-47	100
MW-04	5.1 - 15.1	0	17	40	-64	97

All of the Q1 2008 total BTEX and total PAH concentrations upgradient of the Brightwaters yard oxygen injection system were lower than the historical Q1 mean concentrations, but were within two standard deviations of the historical Q1 mean concentrations.

All of the Q1 2008 total BTEX and total PAH concentrations fell within two standard deviations from their historical mean concentration when the same analysis is performed on the entire upgradient data set, independent of the quarter the data was collected (**Tables 4-6 and 4-7**).

Downgradient of the Brightwaters Yard Oxygen Injection System

The oxygen injection system on the Brightwaters Yard site consists of three injection lines installed parallel to the LIRR property. As discussed in subsection 4.1.3, the oxygen injection system has begun to affect groundwater concentrations downgradient of the injection lines. However, the impacted material observed below the LIRR property may be contributing to groundwater impacts downgradient of the treatment system making evaluation of the system effectiveness difficult. The groundwater analytical trends as they relate to observed groundwater quality parameters and system effectiveness are discussed in subsection 4.1.3. A statistical analysis of overall groundwater quality trends downgradient of the treatment system is provided below.

The effectiveness of the Brightwaters Yard oxygen injections system was evaluated by calculating the total BTEX and total PAH pre-oxygen injection mean concentration and standard deviation using all available data prior to January 2005. The total BTEX and total PAH post-oxygen injection system data were then compared to the mean pre-oxygen injection system concentrations for wells located downgradient of the Brightwaters Yard system and upgradient of the Union Boulevard system.

The 2006, 2007 and 2008 post-oxygen injection system total BTEX concentrations and the calculated mean pre-oxygen injection system total BTEX concentration and standard deviation are presented in the table below for wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system.

Well No.	Total BTEX Concentrations (ug/L)										
	Post-Oxygen Injection Sampling Date										
	2006	2006	2006	2006	2007	2007	2007	2007	2008	Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	March	June	Jul/Aug	Nov/Dec	Mar/Apr	May-July	July/Sept	Nov/Dec	Feb		
MW-02I/I-R	0	--	--	--	0	0	0	0	0	20,556	68,771
MW-02S/S-R	945	51	0	68	346	625	1,695	248	27	129,590	61,095
MW-16I	0	--	--	--	0	103	0	59	84	12	18
MW-16SR	42,100	15,000	17,900	18,600	12,250	6,050	15,870	20,770	36,270	34,865	31,027
MW-45W	14,600	2,214	1,720	5,770	3,200	43,400	1,236	0	3,600	7,058	13,367
MW-46W/W-R	17,110	7,270	2,750	2,330	1,256	3,810	915	0	8,130	25,777	11,707
MW-64	19	0	0	0	0	0	0	0	0	3,867	17,351
MW-65	0	0	0	0	0	0	0	0	4	190	839
MW-73	8,460	14,520	36,200	15,070	18,700	22,500	15,300	14,000	12,800	33,838	27,348
MW-75	5,389	1,540	3,600	491	580	355	9,420	2,254	268	33,748	51,636
MW-76	27	0	0	0	0	0	4	7	2	735	1,494
MW-78	5,900	4,710	18,100	4,080	2,320	3,050	2,480	2,270	54	13,982	11,831
MW-79	3,740	3,320	1,220	7,690	13,900	2,840	2,030	542	3,160	58,278	41,064
MW-80	44,000	38,700	6,170	41,100	148,000	26,100	41,000	106,000	3,220	57,915	45,992
MW-81	5,000	9,510	3,499	16,900	65,800	16,100	36,300	61,800	8,690	25,657	20,766
MW-82	44,200	30,000	43,400	21,800	7,144	14,460	4,338	17,989	1,164	37,813	67,309
MW-83	101	0	5,042	161	41	2,320	6,761	39	36	389	557
PDMW-01	0	0	0	0	0	0	0	70,920	0	8,127	11,618
PDMW-02	19,500	85,100	67,500	98,000	62,700	79,700	68,020	84,400	70,570	83,073	19,831
SV-02	1,600	32	27,400	42	0	0	26,000	0	0	13,940	32,522
SV-03	570	257	831	116	65	207	185	341	105	8,383	10,475

Shaded indicate indicates BTEX value outside of calculated statistical range

The total BTEX concentration for each of the 2006, 2007 and 2008 post-oxygen injection system quarterly sampling events was below the mean pre-oxygen injection system total BTEX concentration in wells MW-2I/IR, MW02S/SR, MW-46W/WR, MW-64, MW-65, MW-75, MW-76, MW-79 and SV-03. The Q1 2008 total BTEX concentration was below the mean pre-oxygen injection concentration in all wells except MW-16SR and MW-16I. The Q1 2008 BTEX concentration at MW-16I (84 ug/L) was greater than 2 standard deviations above the pre-oxygen injection mean BTEX concentration at this location.

The 2006, 2007 and 2008 post-oxygen injection system total PAH concentrations and the calculated mean pre-oxygen injection system total PAH concentration and standard deviation are presented in the table below for wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system.

Well No.	Total PAH Concentrations (ug/L)										Pre-Oxygen Injection Mean	Pre-Oxygen Injection Standard Deviation
	Post-Oxygen Injection Sampling Date											
	2006	2006	2006	2006	2007	2007	2007	2007	2008			
	March	June	Jul/Aug	Nov/Dec	Mar/Apr	May-July	July-Sept	Nov/Dec	Feb			
MW-02I/I-R	0	--	--	--	0	0	0	0	0	555	1,865	
MW-02S/S-R	0	0	0	0	0	0	0	0	0	4,258	5,705	
MW-16I	0	--	--	--	0	44	0	0	0	2	5	
MW-16SR	2,183	1,870	1,056	676	842	232	280	579	922	4,032	7,820	
MW-45W	895	74	40	233	--	0	10	9	0	221	425	
MW-46W/W-R	544	50	233	192	37	71	47	74	102	823	1,175	
MW-64	0	0	0	0	0	0	0	0	0	77	319	
MW-65	0	0	0	0	0	0	0	0	0	50	118	
MW-73	575	669	1,100	545	497	345	495	1,189	444	967	517	
MW-75	100	56	55	0	0	0	180	47	0	681	1,021	
MW-76	14	0	0	0	0	0	0	0	0	70	56	
MW-78	445	493	616	0	0	46	40	31	0	511	409	
MW-79	281	103	41	0	140	0	0	0	90	1,477	1,693	
MW-80	1,200	694	258	1,480	831	601	884	1,173	277	1,260	773	
MW-81	487	274	2,700	807	1,068	448	1,130	1,508	480	1,136	791	
MW-82	1,140	837	1,137	150	234	286	127	306	0	826	1,039	
MW-83	0	0	230	0	0	0	0	2	0	76	67	
PDMW-01	0	0	0	0	0	0	0	1,464	0	1,787	3,809	
PDMW-02	2,013	2,420	2,119	3,022	2,716	2,520	1,241	1,976	3,025	2,453	1,241	
SV-02	0	0	35	0	0	0	133	0	0	137	169	
SV-03	96	57	0	0	17	0	31	72	17	250	163	

The total PAH concentration for each of the four 2006, 2007 and 2008 post-oxygen injection system quarterly sampling events was below the mean pre-oxygen injection system total PAH concentration in wells MW-2I/IR, MW02S/SR, MW-16SR, MW-46W/WR, MW-64, MW-65, MW-75, MW-76, MW-79, PDMW-01, SV-02 and SV-03. The Q1 2008 total PAH concentration was below the mean pre-oxygen injection PAH concentration in all of the wells located downgradient of the Brightwaters Yard oxygen injection system and upgradient of the Union Boulevard oxygen injection system with the exception of PDMW-02.

As presented in subsection 4.1.3 above, decreases of MGP-related contaminants have been observed in monitoring wells located downgradient of the Brightwaters Yard oxygen injection system at wells where effects of the oxygen injection system have been noted. Plots of groundwater parameters and total BTEX and total PAHs concentrations over time are presented in **Figure 9** for wells located downgradient of the Brightwaters Yard injections system.

Downgradient of Union Boulevard Oxygen Injection System

The oxygen injection system located along Union Boulevard consists of one injection line installed on the downgradient side of Union Boulevard (**Figure 1**). The oxygen injection system has affected groundwater concentrations downgradient of the injection lines, but past system component failures have reduced the overall system efficiency. New OM&M procedures have increased system efficiency over the last five quarters. The groundwater analytical trends as they relate to observed groundwater quality parameters and system effectiveness are discussed in subsection 4.1.3 and presented on **Figure 8**. A statistical analysis of overall groundwater quality trends downgradient of the Union Boulevard oxygen injection system is provided below.

Where sufficient data were available, the standard deviation was calculated for historical Q1 groundwater sample concentrations (exclusive of the Q1 2008 data). The Q1 2008 data were then compared to two standard deviations from the mean for both the previous Q1 events and the entire OU-3 data set of the area from Union Boulevard to O-Co-Nee Pond.

The following tables present a summary of the Q1 2008 total BTEX and total PAH concentrations, the historical Q1 standard deviation (exclusive of Q1 2008 data), historical Q1 mean (exclusive of Q1 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
Total BTEX Concentration (ug/L)						
IO-10	6.0 - 16.0	0	7,800	11,575	-23,151	30,951
MW-11W	2.0 - 10.0	95	649	862	-1,724	2,373
MW-30W/W-R	2.0 - 10.0	0	19	33	-67	85
MW-32W/W-R	2.0 - 10.0	2,317	6,737	7,210	-13,361	21,158
MW-34D	27.5 - 28.5	0	3	6	-12	15
MW-34I	18.5 - 19.5	40	908	1,649	-3,298	4,206
MW-34S	2.0 - 10.0	7,750	6,842	8,075	-16,145	22,993
MW-70/70S	2.0 - 12.0	11,590	5,414	8,607	-17,183	22,628
MWBS-02D	24.5 - 25.5	17	14	31	-61	75
MWBS-02I	14.5 - 15.5	0	1,158	3,317	-6,633	7,791
MWBS-02S	5.0 - 15.0	0	319	894	-1,788	2,107

The Q1 2008 BTEX concentration was below the historic Q1 mean BTEX concentrations for all wells located downgradient of the Union Boulevard oxygen injection system with the exception of MW-34S, MW-70/70S and MWBS-02D. The Q1 2008 BTEX concentration was within two standard deviations of the historic Q1 mean concentration at all wells downgradient of the Union Boulevard oxygen injection system.

Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
Total PAH Concentration (ug/L)						
IO-10	6.0 - 16.0	0	346	515	-683	1,375
MW-11W	2.0 - 10.0	2	109	127	-145	363
MW-30W/W-R	2.0 - 10.0	0	57	99	-141	254
MW-32W/W-R	2.0 - 10.0	143	214	336	-457	886
MW-34D	27.5 - 28.5	0	0	0	0	0
MW-34I	18.5 - 19.5	12	131	213	-294	557
MW-34S	2.0 - 10.0	81	232	202	-172	637
MW-70/70S	2.0 - 12.0	39	45	76	-106	196
MWBS-02D	24.5 - 25.5	0	19	25	-31	68
MWBS-02I	14.5 - 15.5	0	192	284	-376	760
MWBS-02S	5.0 - 15.0	0	103	108	-113	318

The Q1 2008 PAH concentrations were below the historic Q1 mean PAH concentrations and were within two standard deviations of the historical Q1 mean PAH concentrations for all wells located downgradient of the Union Boulevard oxygen injection system.

When the same analysis was performed on the entire data set, independent of the quarter the data was collected, the Q1 2008 total BTEX and total PAH concentrations fell within two standard deviations of the historical mean concentration for all of the wells located downgradient of the Union Boulevard oxygen injection system (**Tables 4-6 and 4-7**).

Groundwater monitoring well clusters BMW-30S,I,D, BMW-31S,I,D and BMW-32S,I,D were installed west of the OU-3 groundwater plume on Union Boulevard, Johnson Lane and Cooper Lane, respectively, in May 2007. These wells were sampled in Q2 2007, Q3 2007, Q4 2007 and Q1 2008. BTEX were not present above detection limits at these locations. PAHs were not present above detection limits at these locations in Q2 2007, Q4 2007 and Q1 2008. In Q3 2007, PAHs were detected (4 ug/L) in BMW-30I and BMW-31I. These wells will continue to be monitored on a quarterly basis.

The above analysis indicate that the reductions in BTEX and PAH concentrations have been observed in wells effected by the oxygen injection systems. The BTEX and PAH concentrations have remained consistent in the majority of the remaining wells with the exception of the increase in BTEX concentration detected in PPDMW-01. The variations in BTEX and PAH concentrations may be attributed to the remaining source material downgradient of the Brightwaters Yard oxygen injection system on the Brightwaters Yard property and within the LIRR right of way.

The concentrations of PAHs at MWBS-02S, MWBS-02I and MWBS-02D, in the vicinity of the O-Co-Nee Pond discharge point have been non-detect for four consecutive quarters. PAHs were detected in Q1 2007 at a concentration of 10 ug/L in MWBS-02I and 22 ug/L in MWBS-02D. PAHs have been non-detect at MWBS-02S for eleven consecutive quarters.

BTEX has been non-detect at MWBS-02I for 15 consecutive quarters. BTEX has been non-detect at MWBS-02S for 10 of the last 11 consecutive quarters. BTEX was detected in MWBS-02S at a concentration of 8 ug/L in Q4 2007. A BTEX concentration of 17 ug/L was detected in MWBS-02D in Q1 2008. BTEX was non-detect at MWBS-02D for four consecutive quarters prior to Q1 2008. These wells will continue to be monitored on a quarterly basis.

4.2.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.
- Continue monthly performance monitoring at selected wells located downgradient of the Brightwaters Yard in proximity to the oxygen injection systems.

4.3 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

5. Soil Vapor and Ambient Air Sampling

5.1 Program Scope and Purpose

National Grid has conducted eleven soil vapor and ambient air sampling events to evaluate the potential contribution of COCs from the OU-2 dissolved phase groundwater plume to soil vapor. The eleven sampling events were completed between May 2005 and April 2008. The first five sampling events (Q2 2005 through Q3 2006) were conducted using temporary soil vapor drive points in accordance with the NYSDEC-approved *Soil Gas Sampling Work Plan for the OU-2 Treatment Area*, dated May 15, 2005. Based on the soil vapor and equipment blank analytical results presented in the Q3 2006 OM&M report, all future sampling events were conducted using permanent soil vapor points in accordance with the NYSDEC-approved *Permanent Soil Vapor Point Installation Final Work Plan, Operable Unit No. 2 (OU-2) and Operable Unit No. 3 (OU-3), Bay Shore/Brightwaters Former Manufactured Gas Plant Site*, dated January 31, 2007 (GEI, 2007b).

5.2 Current Site Activity

The following soil vapor and ambient air sampling activities were conducted as part of the Q1 2008 OM&M.

- Forty-one samples were collected from 30 soil vapor locations and four ambient air locations were sampled in Q1 2008. Sampling events were conducted on:
 - February 6 and 7, 2008 (Three samples)
 - February 19, 2008 (Five samples)
 - March 17, 2008 (Five samples)
 - March 21, 2008 (Four samples)
 - March 26 and 27, 2008 (Eleven samples)
 - April 3, 2008 (Thirteen samples)
- Thirteen samples were collected on April 3, 2008 to avoid sampling during a series of precipitation events in March 2008.
- The soil vapor and ambient air sample locations represent 11 distinct areas as described below.

Soil Vapor/Ambient Air Sample Areas	Soil Vapor/Ambient Sample IDs
Upgradient of Operable Unit No. 1	OU1SG06, OU1SG07, OU1SG08
Upgradient of OU-1 Oxygen Injection System	OZSG04, OZSG05
Downgradient of OU-1 Oxygen Injection System	OZSG01, OZSG02, OZSG03 ¹
Upgradient of Montauk Highway along Union Boulevard, North Clinton Avenue, Copper Lane, and South Union Boulevard	OU2SG12, OU2SG14, OU2SG15, OU2SG16, OU2SG17, OU2SG18, OU2SG22, OU2SG23, Ambient Air OU2AA04
Upgradient of the Montauk Highway Oxygen Injection Line	OU2SG24, OU2SG06
Directly Downgradient of the Montauk Highway Oxygen Injection Line	OU2SG05, OU2SG10, OU2SG01, OU2SG02 Ambient Air OU2AA01 and OU2AA02
Downgradient of the Montauk Highway Oxygen Injection Line and Upgradient of the Manatuck Lane Oxygen Injection Line	OU2SG03, OU2SG04, OU2SG07 Ambient Air OU2AA03
Downgradient of the Manatuck Lane Oxygen Injection Line	OU2SG08, OU2SG09 Ambient Air OU2AA03
Sidegradient of the Manatuck Lane Oxygen Injection Line along Garner Lane	OU2SG13 ²
Downgradient of the Brightwaters Yard Oxygen Injection System and Upgradient of the Union Boulevard Oxygen Injection System	OU3SG01
Background Location on Lawrence Lane, West of Lawrence Lake and Outside the Influence of the OU-2 and OU-3 groundwater plumes	OU2SG11

Notes:

1. OZSG03 was destroyed during the installation of the barrier wall on OU-1 and was replaced at the completion of construction activities.
2. OU2-SG13 was damaged during Q2 2007 and was replaced prior to the Q3 2007 sampling event.

5.3 Soil Vapor and Ambient Air Sampling Data

The Q1 2008 soil vapor and ambient air data are provided on the following tables and figures.

- **Table 5-1 Summary of Soil Vapor Results for Operable Units No. 1, No. 2 and No. 3** – presents the historical soil vapor data from the 30 permanent soil vapor points and the soil vapor data from the 41 points sampled during Q1 2008.
- **Table 5-2 Summary of Ambient Air Results** – presents the historic and Q1 2008 ambient air data.
- **Appendix C Soil Vapor Analytical Results** – contains historic graphs of the soil vapor concentrations of analytes detected at any soil vapor point, as well as BTEX and Naphthalene historic plots. The periods when the system was not in operation are highlighted on each graph.

Soil vapor concentrations have varied widely between 2005 and 2008 at all locations monitored. The variations in concentrations have occurred both before the system was installed and after the system was in operation. These fluctuations occurred in the areas downgradient of the oxygen injection lines, upgradient of the injection lines, and west of Lawrence Lake outside of the influence of the groundwater plume. During Q1 2008, the concentrations detected at each soil vapor point were generally consistent with previous sampling events.

Low concentrations of VOCs were detected in ambient air before and after start-up of the oxygen injection system. Ambient air concentrations have not varied significantly from quarter to quarter. Frequent detections have been limited to low concentrations of 22 VOCs: benzene, ethylbenzene, toluene, xylenes, acetaldehyde, acetone, butane, 2-butanone, carbon disulfide, carbon tetrachloride, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, n-heptane, n-hexane, methylene chloride, pentane, 2-propanol, trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, and 2,2,4-trimethylpentane (TMP). Benzene was detected in all four ambient air samples in Q1 2008 at concentrations ranging between 0.64 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) at OU2AA02 located adjacent to the Montauk Highway injection line, and 2.1 $\mu\text{g}/\text{m}^3$ at OU2AA03 located adjacent to the Manatuck Lane injection line. One analyte, trichloroethene, was detected above the NYSDOH 95th percentile of typical background values for outdoor air in three of the four ambient air samples (OU2AA01, OU2AA03, and OU2AA04).

5.3.1 Soil Vapor Fate and Transport

The fate and transport of soil vapor in the subsurface is dependant on various chemical and environmental conditions that directly affect the concentrations detected (United States Environmental Protection Agency, 1997). These include the vapor pressure and the Henry's law constant of the individual COCs present, the temperature and barometric pressure at the surface, and the moisture content and porosity of the vadose zone soils. A description of each of these chemical and environmental conditions and their effects on soil vapor fate and transport have been presented in previous OM&M reports and are summarized below.

- The higher the vapor pressure of a COC, the more readily it evaporates into the vapor phase.
- COCs with a greater tendency to exist in the vapor phase have a Henry's law constant greater than 1, and compounds with a greater tendency to exist in the dissolved phase have a Henry's law constant less than 1.
- Generally, the higher the pressure, the more COCs would tend to remain in the dissolved phase and the lower the pressure, the more COCs would tend to release to the vapor phase.
- The soil moisture decreases permeability because moisture trapped in the pore space of the soil matrix inhibits or blocks vapor flow.

In addition, several other soil factors can influence the distribution of COCs in the soil vapor. Preferential pathways such as sub-surface utilities, tree roots, and backfilled areas can allow vapor migration away from a source area. Conversely, impervious zones or layers such as clay/peat/organic soil layers, foundations, buried structures, or perched groundwater can trap or inhibit the flow of soil vapors.

During the recent hydrologic study completed in OU-2, the sharp increases in groundwater elevations noted during the two rainfall events provide an approximate guideline for the effects of other rainfall events. Based on the timeframe and the magnitude of the rainfall events observed, significant precipitation events within the one-week preceding a soil vapor-sampling event were identified below. As discussed above, these are events that could significantly effect the concentrations of COCs detected in soil vapor at the site.

Sample Date	Recent Precipitation Date	Magnitude of Precipitation (in/day)	Description of Significant Precipitation Events
5/5/05	4/30/05	1.12 inches	April 2005 was a wetter than average month 4.87 in. recorded (normal 4.13 in.)
8/30/05	--	--	A four-month drought occurred in the summer of 2005
6/14/06	6/7/06	1.27 inches	June 2006 was a wetter than average month 5.34 in. recorded (normal 3.71 in.)
9/7/06	8/25/06 8/27/06	1.58 inches 2.19 inches	August 2006 was a wetter than average month 5.58 in. recorded (normal 4.48 in.)
2/22/07	2/14/07	1.05 inches	Winter Snow Storm
5/24/07	--	--	April 2007 was a wetter than average month 6.72 in. recorded (normal 4.13 in.)
7/25/07	7/18/07 7/22/07	3.34 inches 0.92 inches	Both events occurred during Week 2 of the Hydrologic Study
12/18-19/07	12/13/07 12/16/07	0.82 inches 0.85 inches	December 2007 was a wetter than average month 4.64 in. recorded (normal 4.13 in.)
2/6-7/08	2/6/08 2/7/08	0.07 inches 0.14 inches	February 2008 was a wetter than average month 6.21 in. recorded (normal 3.33 in.)
2/19/08	2/18/08	0.48 inches	
3/17/08	3/15/08	0.25 inches	
3/21/08	3/19/08 3/20/08	0.91 inches 0.30 inches	March 2008 was a wetter than average month 5.89 in. recorded (normal 4.76 in.)
3/26-27/08	--	--	
4/3/08	3/31/08 4/1/08	0.16 0.28	

5.4 Future Plans

- Continued quarterly soil vapor and ambient air sampling.

6. Operable Unit 4 – Watchogue Creek/Crum’s Brook

6.1 Groundwater Monitoring

Program Scope and Purpose: Groundwater monitoring is conducted within OU-4 to aid in monitoring groundwater contamination, to evaluate the effectiveness of remedial activities and to aid in remedy planning. There were 43 monitoring wells located on OU-4 for the Q1 2008 sampling event. The well locations and geographic boundaries of OU-4 are illustrated on **Figure 1**. The number of wells sampled each quarter is determined based on previous analytical data and discussions with NYSDEC.

6.1.1 Current Site Activity

The following groundwater monitoring activities took place in OU-4 during Q1 2008.

- Depth to groundwater measurements were obtained on January 16 and 17, 2008 from 24 monitoring wells located within OU-4.
- The surface water elevation was obtained on January 16, 2008 from a surface water gauge located in Watchogue Creek/Crum’s Brook at Union Boulevard.
- Thirteen monitoring wells (WCMW-12S, I, D; WCMW-13S, I, D; WCMW-14S, I, I2, D; and WCMW-16S, I, I2) were installed in OU-4 in January, 2008. The wells were installed to monitor groundwater impacts prior to, during and after the S-ISCO IRM activities specified for the site.
- Groundwater samples were collected from 37 monitoring wells located within OU-4 on March 4, 6, 7, and 10 through 14, 2008. The groundwater samples were analyzed for an expanded list of VOCs (EPA Method 8260) and PAHs (EPA Method 8270).

6.1.2 Groundwater Elevation Data

The depth to groundwater, groundwater elevation and surface water elevation data for OU-4 are provided on the following tables and figures.

- **Table 6-1 Water Level Measurements and Calculated Groundwater Elevations** – provides depth to water measurements and calculated groundwater and surface water elevation data for OU-4 wells measured in Q1 2008.

- **Table 6-2 Historic Calculated Groundwater Elevations** – provide historic groundwater elevations for OU-4 for existing groundwater wells.
- **Figure 4 – Shallow Groundwater Contour Map** – provides the Q1 2008 shallow groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.
- **Figure 5 – Deep Groundwater Contour Map** – provides the Q1 2008 deep groundwater elevation contours for OU-1, OU-2, OU-3 and OU-4.

The groundwater flow direction is towards the southeast. The shallow groundwater hydraulic gradient ranges from approximately 0.0014 feet/foot to 0.0041 feet/foot. The deep groundwater hydraulic gradient is approximately 0.0034 feet/foot. The groundwater elevation in OU-4 monitoring wells during the Q1 2008 event were an average of 0.8 feet higher than the Q4 2007 groundwater elevations and an average of 0.35 feet lower than the Q1 2007 groundwater elevations.

6.1.3 Groundwater Analytical Data

The OU-4 groundwater analytical data is presented on the following tables.

- **Table 6-3 Summary of Historic Total BTEX Groundwater Analytical Results** – presents a summary of historical total BTEX results for existing OU-4 groundwater monitoring wells.
- **Table 6-4 Summary of Historic Total PAH Groundwater Analytical Results** – presents a summary of historical total PAH results for existing OU-4 groundwater monitoring wells.
- **Table 6-5 Summary of Expanded Groundwater Analytical Results** – provides the Q1 2008 groundwater analytical results for monitoring wells located in OU-4 for each compound detected during the Q1 2008 sampling event.

6.1.4 Groundwater Analytical Data Trend Analysis

The groundwater analytical data were reviewed to identify any trends in data between samples collected during similar seasonal periods in previous years and any long term trends. Where sufficient data were available, the standard deviation was calculated for historical groundwater sample concentrations (exclusive of the Q1 2008 data). The Q1 2008 data was then compared to two standard deviations from the mean for both the previous Q1 events and the entire OU-4 data set.

The following tables present a summary of the Q1 2008 total BTEX and total PAH concentrations, the historical Q1 standard deviation (exclusive of Q1 2008 data), historical Q1 mean (exclusive of Q1 2008 data) and the resultant statistical range (the mean concentration plus or minus 2 standard deviations).

Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
Total BTEX Concentration (ug/L)						
WCMW-01D	64.0 - 72.0	0	0	0	0	0
WCMW-01I	35.0 - 45.0	0	0	0	0	0
WCMW-01S	2.0 - 12.0	2	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0
WCMW-02S	3.0 - 13.0	0	0	0	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-03S	4.83 - 9.83	20	16	18	-20	52
WCMW-04I	19.0 - 24.0	0	0	0	0	0
WCMW-04S	1.5 - 11.5	6	5	6	-8	17
WCMW-05I	19.61 - 24.61	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0
WCMW-05S	1.4 - 11.4	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0
WCMW-08S	4.2 - 9.2	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0
Well No.	Screen Interval (ft-bgs)	Q1 2008	Historical Q1 Mean	Historical Q1 Standard Deviation	Statistical Q1 Range	
					Minimum	Maximum
Total PAH Concentration (ug/L)						
WCMW-01D	64.0 - 72.0	0	0	0	0	0
WCMW-01I	35.0 - 45.0	0	0	0	0	0
WCMW-01S	2.0 - 12.0	47	20	34	-47	88
WCMW-02D	62.0 - 72.0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0
WCMW-02S	3.0 - 13.0	0	3	7	-10	16
WCMW-03I	19.4 - 24.4	939	1,298	212	875	1721
WCMW-03I2	28.55 - 33.55	6	161	157	-152	474
WCMW-03S	4.83 - 9.83	122	215	147	-80	510
WCMW-04I	19.0 - 24.0	70	85	87	-89	259
WCMW-04S	1.5 - 11.5	186	84	50	-16	184
WCMW-05I	19.61 - 24.61	162	301	27	248	355
WCMW-05I2	29.46 - 34.46	0	0	0	0	0
WCMW-05S	1.4 - 11.4	5	11	15	-19	40
WCMW-06I	19.55 - 24.55	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0
WCMW-08S	4.2 - 9.2	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	0	0	0	0

Shaded value indicates value outside of calculated statistical range

All of the Q1 2008 total BTEX and total PAH concentrations in OU-4 fell within two standard deviations of the Q1 historical mean concentration indicating no significant variation in concentrations with the exception of WCMW-04S. The concentration of PAHs detected in WCMW-04S in Q1 2008 was slightly greater than two standard deviations above the historical Q1 mean BTEX concentration.

The Q1 2008 total BTEX and total PAH concentrations also fell within two standard deviations from their historical mean concentration when the same analysis was performed

on the entire OU-4 data set, independent of the quarter the data was collected (**Tables 6-3 and 6-4**).

6.1.5 Future Plans

- Continue annual and quarterly groundwater monitoring at selected wells.

6.2 Institutional Controls/Engineering Controls (IC/EC)

- There has been no activity this quarter.

7. References

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Tables (electronic only)

Tables also available at www.bayshoreworksmgp.com

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date Well I.D.:	3/1/2007	3/9/2007	3/16/2007	3/23/2007	3/30/2007	4/6/2007	4/13/2007	4/20/2007	4/26/2007	5/4/2007	5/10/2007	5/18/2007	5/25/2007	5/31/2007	6/8/2007	6/15/2007	6/22/2007	6/29/2007	
NAPL Thickness (ft)																			
RW - 01																			
DTW:	9.24'	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	3'	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																			
DTW:	NM	NM	NM	Cover	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.5'	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	5.5'	5.5'	5.5'	5.7'	8'	6.2'	6.7'	5.2'	4.7'	6.7'	5.6'	6.1'	7.8'	6.1'	NM	5.5'	6.4'	4.7'	
RW - 03																			
DTW:	8.41	6.49'	NM	6.27'	6.57'	6.47'	5.96'	5.87'	6.34'		6.33'	6.25'	6.56'	6.71'	6.39'	6.67'	6.83'	6.7'	
LNAPL:	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO ACCESS	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NO*	NO*	NM	NM	NM	NO*	NO*	NO*		NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 04																			
DTW:	9.83'	9.60'	9.55'	9.29'	9.58'	9.23'	9.08'	8.88'	9.45'	9.46'	9.56'	9.45'	9.76'	9.95'	9.62'	9.93'	10.09'	9.98'	
LNAPL:	NO*	NO*	NO*	NM	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NM	NM	NM	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
RW - 05																			
DTW:	7.93'	7.70'	7.61'	7.58'	7.66'	7.31'	7.06'	6.92'	7.56'	7.49'	7.92'	7.81'	7.87'	8.34'	7.99'	8.30'	8.51'	8.37'	
LNAPL:	NM	NO*	NO*	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
DNAPL:	NO*	NM	NM	NM	NM	NM	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*
BBMW - 05D																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 20D																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW - 22D																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes:
 NO* = Not Observed
 NM = Not Measured

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date Well I.D.:	7/3/2007	7/13/2007	7/20/2007	8/3/2007	8/10/2007	8/17/2007	8/23/2007	8/31/2007	9/7/2007	9/14/2007	9/21/2007	9/28/2007	10/5/2007	10/11/2007	10/26/2007	10/31/2007	11/7/2007	11/8/2007	
NAPL Thickness (ft)																			
RW - 01																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NO*	NM	NM	NM	NM	NM
DNAPL:	6.8'	5.0'	6.8'	6.5'	6.5'	6.5'	6.8'	6.5'	6.4'	7.0'	7.8'	7.0'	6.4'	7.2'	7.0'	6.6'	NM	7.0'	
RW - 03																			
DTW:	7.02'			7.21'							7.3'	7.4'	7.05'	7.55'	7.43'	7.4'			
LNAPL:	NO*	NO ACCESS	NO ACCESS	NO*	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO*	NO*	NO*	NO*	NO*	NO*	NO ACCESS		
DNAPL:	NO*			NO*							NO*	NO*	NO*	NO*	NO*	NO*			
RW - 04																			
DTW:	10.27'	10.47'	10.04'	10.11'	9.91'	10.08'	9.88'	10.21'	10.45'	10.38'	10.6'	10.65'	10.8'	10.5'	10.72'	10.7'	10.6'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
DNAPL:	NO*	0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
RW - 05																			
DTW:	8.66'	8.89'	8.44'	8.49'	8.32'	8.55'	8.34'	8.53'	8.9'	11.61'	9.0'	6.1'	9.3'	9.25'	9.18'	9.15'	9.07'		
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
BBMW - 05D																			
DTW:	NM		11.21'	11.15'	11.05'	11.33'	11.09'	11.41'	11.6'	11.67'	11.8'	11.85'	11.8'	11.8'	11.92'	11.8'	11.87'		
LNAPL:	NM	NO ACCESS	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
DNAPL:	NM		NO*	<0.1'	<0.1'	<0.1'	<0.1'	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM		
BBMW - 20D																			
DTW:	NM								10.1'										
LNAPL:	NM	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO*	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	
DNAPL:	NM								NO*										
BBMW - 22D																			
DTW:	NM	10.21'	10.02'	9.98'	9.90'	10.08'	9.89'	10.22'	10.4'	NO*	NO*	NO*	NO*	NM	NM	NM	NM	NO*	
LNAPL:	NM	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NM	NM	NM	NM	NO*	
DNAPL:	NM	5.5'	5.3'	5'	3'	5.5'	5.5'	6'	3'	5.0'	5.2'	6.0'	5.0'	6.1'	6.0'	5.8'	NM	5.9'	

Notes:
 NO* = Not Observed
 NM = Not Measured

Table 2-2
 Summary of Measured DNAPL Thickness
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Gauging Date Well I.D.:	11/16/2007	12/7/2007	12/14/2007	12/21/2007	12/28/2007	1/7/2008	1/11/2008	1/17/2008	1/25/2008	2/1/2008	2/8/2008	2/15/2008	2/22/2008	2/29/2008	3/7/2008	3/17/2008	3/21/2008	3/28/2008	
NAPL Thickness (ft)																			
RW - 01																			
DTW:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW - 02																			
DTW:	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LNAPL:	NM	NO*	NO*	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DNAPL:	7.2'	6.5'	7.6'	6.5'	7.5'	5.59'	5.0'	6.8'	6.6'	7.3'	6.3'	6.1'	6.2'	7.2'	5.3'	6.0'	7.5'	5.0'	
RW - 03																			
DTW:	7.45'	7.2'	6.96'	9.78'	7.5'	6.85'	6.87'	6.68'	6.65'	6.98'	6.5'	6.79'	NM	6.25'	6.33'	5.95'	5.71'	6.08'	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	
RW - 04																			
DTW:	10.81'	10.55'	NM	10.10'	10.78'	10.15'	9.9'	9.97'	9.9'	10.13'	9.75'	9.06'	9.44'	9.55'	9.61'	9.25'	5.97'	9.38'	
LNAPL:	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NO*	NM	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
RW - 05																			
DTW:	9.05'	8.95'	8.91'	8.87'	9.03'	8.55'	8.35'	8.39'	8.35'	8.58'	8.15'	7.44'	7.86'	8.95'	8.0'	9.01'	7.51'	7.82'	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
BBMW - 05D																			
DTW:	11.95'	11.7'	11.44'	11.29'	11.95'	11.35'	11.18'	11.16'	11.11'	11.32'	10.91'	10.22'	10.63'	10.7'	10.80'	10.32'	10.15'	10.59'	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	<0.1'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	coating (<1/8")	0.1'	0.01'	0.1'	
BBMW - 20D																			
DTW:																			
LNAPL:	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	NO ACCESS	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	Well Damaged	
DNAPL:																			
BBMW - 22D																			
DTW:	NM	NO*	10.18'	10.02'	NO*	NO*	9.9'	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
LNAPL:	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	NO*	
DNAPL:	6.5'	4.2'	6.6'	6.7'	6.5'	5.05'	5.0'	5.8'	5.0'	5.8'	5.8'	5.3'	5.7'	5.4'	5.4'	5.6'	4.9'	5.8'	

Notes:
 NO* = Not Observed
 NM = Not Measured

Table 2-3
 Summary of Groundwater Parameter Data
 OU-1 Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Monitoring Well	Feb-08	Mar-08
Conductivity (mS/cm)		
OZ-MW16S	0.44	-
OZ-MW16I	0.464	-
OZ-MW16I2	0.296	-
OZ-MW16D	-	1.89
OZ-MW17S	0.587	1.03
OZ-MW17I	0.689	1.05
OZ-MW17I2	0.237	0.548
OZ-MW17D	-	1.71
OZ-MW18S	0.405	-
OZ-MW18I	0.496	-
OZ-MW18I2	0.482	-
OZ-MW18D	-	1.76
Dissolved Oxygen (mg/L)		
OZ-MW16S	0	-
OZ-MW16I	0	-
OZ-MW16I2	0	-
OZ-MW16D	-	0
OZ-MW17S	0	14
OZ-MW17I	0	22
OZ-MW17I2	0	6
OZ-MW17D	-	0
OZ-MW18S	0	-
OZ-MW18I	0	-
OZ-MW18I2	0	-
OZ-MW18D	-	0
Oxidation Reduction Potential (mV)		
OZ-MW16S	-108	-
OZ-MW16I	-66	-
OZ-MW16I2	86	-
OZ-MW16D	-	-48
OZ-MW17S	-137	-1
OZ-MW17I	-144	77
OZ-MW17I2	110	151
OZ-MW17D	-	46
OZ-MW18S	-112	-
OZ-MW18I	-168	-
OZ-MW18I2	-54	-
OZ-MW18D	-	-93
pH (std. units)		
OZ-MW16S	6.23	-
OZ-MW16I	6.21	-
OZ-MW16I2	5.25	-
OZ-MW16D	-	5.65
OZ-MW17S	6.42	5.93
OZ-MW17I	6.69	6.15
OZ-MW17I2	6.09	5.74
OZ-MW17D	-	5.08
OZ-MW18S	6.34	-
OZ-MW18I	6.55	-
OZ-MW18I2	6.35	-
OZ-MW18D	-	5.83
Temperature (deg C)		
OZ-MW16S	11.03	-
OZ-MW16I	12.9	-
OZ-MW16I2	12.73	-
OZ-MW16D	-	12.6
OZ-MW17S	10.85	10.07
OZ-MW17I	12.99	12.8
OZ-MW17I2	12.93	12.7
OZ-MW17D	-	12.1
OZ-MW18S	9.4	-
OZ-MW18I	11.9	-
OZ-MW18I2	12.48	-
OZ-MW18D	-	11.7

Notes:
 - Not Measured
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt

Table 2-4
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-05D	1/15/2008	8:43	2.00	25.37	11.10	14.27	0.01' DNAPL
BBMW-05D2	1/15/2008	8:44	2.00	24.27	9.20	15.07	
BBMW-13D	1/15/2008	13:52	2.00	23.90	9.27	14.63	
BBMW-20D	1/15/2008	NM	1.00	18.69	NM	NC	Obstructions @ ~1.5'
BBMW-20I	1/15/2008	9:30	1.00	18.63	4.72	13.91	
BBMW-20S	1/15/2008	NM	1.00	18.66	NM	NC	Obstructions @ ~1.6'
BBMW-22D	1/15/2008	8:57	2.00	23.67	9.81	13.86	
BBMW-22I	1/15/2008	8:56	2.00	23.61	9.50	14.11	
BBMW-22S	1/15/2008	8:55	2.00	23.65	9.55	14.10	
BBMW-26I	1/15/2008	11:12	1.00	25.02	9.39	15.63	
BBMW-26S	1/15/2008	11:11	1.00	24.96	9.32	15.64	
BBMW-27I	1/15/2008	11:20	1.00	25.37	9.71	15.66	
BBMW-27S	1/15/2008	11:19	1.00	25.03	9.38	15.65	
MW-03D	1/15/2008	13:51	4.00	22.48	7.88	14.60	
MW-03S	1/15/2008	13:50	4.00	22.59	7.99	14.60	
MW-05D	1/15/2008	8:42	2.00	24.37	10.13	14.24	
MW-05S	1/15/2008	8:41	2.00	24.05	9.79	14.26	
MW-09I	1/15/2008	11:01	2.00	24.71	8.86	15.85	
MW-09S	1/15/2008	10:59	4.00	25.17	9.27	15.90	

Notes:

- 1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum
- NM - Not Measured
- NC - Not Calculated

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)										
		October-92	November-99	March-02	June-02	August-02	November-02	March-03	July-03	September-03	January-04	April-04
BMW-05D	64.0 - 74.0	NM	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70	14.15	15.83
BBMW-05D2	126.5 - 136.5	NM	NM	14.00	13.82	12.30	14.72	15.54	15.07	14.51	15.10	16.23
BBMW-13D	62.0 - 72.0	NM	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09	14.52	16.29
BBMW-20S	4.0 - 14.0	NM	NM	NM	12.59	11.28	13.21	13.72	13.56	12.71	13.13	14.59
BBMW-20I	35.0 - 45.0	NM	NM	NM	12.52	11.22	13.14	13.64	13.48	12.64	13.04	14.51
BBMW-20D	62.0 - 72.0	NM	NM	NM	12.62	11.32	13.25	13.76	13.62	12.93	13.33	14.80
BBMW-22S	5.0 - 10.0	NM	NM	13.26	13.34	12.01	13.99	14.52	14.35	13.51	13.92	15.54
BBMW-22I	30.0 - 40.0	NM	NM	13.26	13.34	12.02	14.01	14.52	14.36	13.42	13.94	15.52
BBMW-22D	64.0 - 74.0	NM	NM	13.26	13.34	12.01	14.01	14.55	14.37	13.61	13.98	15.52
BBMW-26S	6.0 - 16.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-26I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-27I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
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
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
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
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
MW-09S	4.0 - 14.0	15.24	15.34	NM	15.08	13.55	15.67	16.50	16.55	15.54	15.88	17.44
MW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)									
		August-04	October-04	February-05	May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06
BBMW-05D	64.0 - 74.0	13.54	13.99	14.66	14.55	13.32	15.08	14.95	14.46	14.19	14.63
BBMW-05D2	126.5 - 136.5	14.38	15.10	15.66	15.62	13.64	16.27	16.22	15.38	14.51	15.61
BBMW-13D	62.0 - 72.0	13.91	14.37	15.04	14.86	13.71	15.45	15.33	14.83	14.54	14.99
BBMW-20S	4.0 - 14.0	12.56	13.00	13.66	13.54	12.35	14.08	13.93	13.45	13.17	13.64
BBMW-20I	35.0 - 45.0	12.50	12.92	12.68	13.46	12.63	14.34	14.20	13.73	13.42	13.90
BBMW-20D	62.0 - 72.0	12.76	13.20	13.83	NM	13.00	14.70	14.55	14.10	13.78	14.28
BBMW-22S	5.0 - 10.0	13.34	13.79	14.44	14.34	13.13	14.93	14.75	14.26	13.97	14.43
BBMW-22I	30.0 - 40.0	13.33	13.78	14.43	14.33	13.12	14.88	14.74	14.26	13.97	14.43
BBMW-22D	64.0 - 74.0	13.37	13.83	14.42	14.36	13.16	14.96	14.76	14.27	13.98	14.49
BBMW-26S	6.0 - 16.0	NM	NM	16.11	16.09	14.74	16.60	16.49	15.98	15.72	16.11
BBMW-26I	30.0 - 40.0	NM	NM	16.12	16.10	14.79	16.62	16.50	15.98	15.72	16.10
BBMW-27S	5.0 - 15.0	NM	NM	16.10	16.08	14.73	16.59	16.47	15.98	NM	16.04
BBMW-27I	30.0 - 40.0	NM	NM	16.14	16.11	14.78	16.62	16.50	16.00	NM	16.07
MW-03S	3.0 - 13.0	13.87	14.33	15.01	14.88	13.64	15.42	15.30	14.80	14.51	14.98
MW-03D	35.0 - 45.0	13.87	14.33	15.00	14.89	13.65	15.41	15.27	14.80	14.50	14.94
MW-05S	4.0 - 14.0	13.54	13.99	14.66	14.54	13.32	14.06	14.96	14.46	14.17	14.63
MW-05D	35.5 - 45.5	13.55	14.00	14.66	14.55	13.32	15.08	14.95	14.45	14.18	14.65
MW-09S	4.0 - 14.0	15.26	15.74	16.41	16.40	15.03	16.89	16.79	16.29	NM	16.34
MW-09I	30.0 - 40.0	NM	NM	16.37	16.37	15.02	16.85	16.77	16.28	NM	16.34

Table 2-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		January-07	May-07	July/Aug-07	Oct/Nov-07	January-08	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	14.51	14.91	14.23	13.41	14.27	12.15	14.19	15.83
BBMW-05D2	126.5 - 136.5	15.81	16.19	14.44	14.18	15.07	12.30	14.97	16.27
BBMW-13D	62.0 - 72.0	14.93	15.32	14.55	13.66	14.63	12.48	14.59	16.29
BBMW-20S	4.0 - 14.0	13.55	NM	NM	NC	NC	11.28	13.25	14.59
BBMW-20I	35.0 - 45.0	13.79	NM	NM	NC	13.91	11.22	13.28	14.51
BBMW-20D	62.0 - 72.0	14.20	NM	NM	NC	NC	11.32	13.56	14.80
BBMW-22S	5.0 - 10.0	14.34	14.73	14.08	13.26	13.86	12.01	14.00	15.54
BBMW-22I	30.0 - 40.0	14.34	14.72	14.08	13.27	14.11	12.02	14.01	15.52
BBMW-22D	64.0 - 74.0	14.41	14.46	13.70	12.89	14.10	12.01	13.99	15.52
BBMW-26S	6.0 - 16.0	16.07	16.46	15.67	14.74	15.63	14.74	15.88	16.60
BBMW-26I	30.0 - 40.0	16.08	16.46	15.63	14.76	15.64	14.76	15.88	16.62
BBMW-27S	5.0 - 15.0	16.02	16.42	15.67	14.76	15.66	14.73	15.88	16.59
BBMW-27I	30.0 - 40.0	16.05	16.44	15.70	14.80	15.65	14.78	15.91	16.62
MW-03S	3.0 - 13.0	14.88	15.29	14.52	13.64	14.60	12.45	14.53	16.23
MW-03D	35.0 - 45.0	14.89	15.28	14.51	13.62	14.60	12.44	14.52	16.22
MW-05S	4.0 - 14.0	14.53	14.93	14.23	13.40	14.24	12.16	14.28	17.61
MW-05D	35.5 - 45.5	14.56	14.95	14.24	13.42	14.26	13.16	14.70	18.51
MW-09S	4.0 - 14.0	16.33	16.75	15.96	14.99	15.85	13.55	15.91	17.44
MW-09I	30.0 - 40.0	16.32	16.72	15.94	15.02	15.90	15.02	16.16	16.85

Notes:

NM - Not Measured

bgs - below ground surface

Well Elevations obtained from 2007 Survey and reference NVGD88 datum

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	1,523	943	--	0	600	--	--	1,890	--	--	--
BBMW-05D2	126.5 - 136.5	--	--	--	16	0	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	--	--	--	--	0	--	--	--	--
BBMW-20D	62.0 - 72.0	--	--	--	3,505	--	9,639	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	--	--	--	40	--	193	170	--	--	110	--	132	--
BBMW-20S	4.0 - 14.0	--	--	--	15,140	--	6,190	11,700	--	--	10,876	--	10,120	--
BBMW-22D	64.0 - 74.0	--	--	--	8,600	--	5,028	6,297	--	--	2,370	--	--	--
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22	--	28	13	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	13,610	--	25,800	6,030	20,000	25,200	12,960	13,800	21,300	14,500
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	0	--	--	--
MW-03S	3.0 - 13.0	361	15	19	26	--	--	45	20	0	0	0	33	35
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17	--	--	0	--	--	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300	--	--	21,660	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0	--	--	0	--	--	0
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)																	
		Sampling Date																	
		2005				2006				2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar					
BBMW-05D	64.0 - 74.0	680	--	--	--	890	1,267	3,150	553	1,597	613	21	399	717	0	3,150	1,009	0	3,150
BBMW-05D2	126.5 - 136.5	--	--	--	--	0	--	--	--	--	--	--	--	0	0	16	5	0	16
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	1,540	1,800	1359	--	--	1,359	9,639	3,569	1,359	9,639
BBMW-20I	35.0 - 45.0	--	--	--	104	--	--	165	125	105	12	29	13	8	12	193	100	8	193
BBMW-20S	4.0 - 14.0	--	--	--	5,655	--	--	19,133	12,900	173	4,144	2677	--	--	173	19,133	8,973	173	19,133
BBMW-22D	64.0 - 74.0	1,650	--	--	--	1,020	--	--	--	1,558	1,580	2807	3126	2356	1,020	8,600	3,404	1,020	8,600
BBMW-22I	30.0 - 40.0	16	--	--	--	16	--	--	--	0	43	37	32	31	0	43	24	0	43
BBMW-22S	5.0 - 10.0	11,670	16,900	9,200	--	12,370	10,300	--	--	10,850	10,420	14810	7150	5816	6,030	25,800	14,271	5,816	25,800
BBMW-26I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	0	--	0	0	0	0	0	0
BBMW-26S	6.0 - 16.0	0	--	--	--	0	--	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	0	--	0	0	0	0	0	0
BBMW-27S	5.0 - 15.0	0	--	--	--	0	--	--	--	0	0	0	0	0	0	0	0	0	0
MW-03D	35.0 - 45.0	--	--	--	--	0	--	--	--	0	0	0	0	0	0	0	0	0	0
MW-03S	3.0 - 13.0	--	180	34	0	132	31	250	10	0	111	116	18	30	0	361	68	0	361
MW-05D	35.5 - 45.5	0	--	--	--	--	0	0	0	0	18	22	0	0	0	253	24	0	253
MW-05S	4.0 - 14.0	24,395	--	--	--	--	17,327	18,100	24,600	48,430	15,905	12929	18130	15095	12,929	48,430	24,733	12,929	48,430
MW-09I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	0	2	--	4	0	2	1	0	4
MW-09S	4.0 - 14.0	--	--	--	--	0	--	--	--	0	0	0	0	0	0	29	2	0	29
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	512	--	--	--	512	512
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	3	3
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	4685	--	--	--	4,685	4,685
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	1316	--	--	--	1,316	1,316
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	1664	--	--	--	1,664	1,664
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	77	--	--	--	77	77
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	3600	--	--	--	3,600	3,600
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	201	--	--	--	201	201
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	3160	--	--	--	3,160	3,160
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	7077	--	--	--	7,077	7,077

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sept	Sept	Oct/Nov	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/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	126.5 - 136.5	--	--	--	147	0	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	40	--	--	--	--	--	0	--	--	--
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900	7,400	--	--	6,939	--	6,956	--
BBMW-20S	4.0 - 14.0	--	--	--	2,248	--	3,080	15,000	--	--	3,408	--	1,758	--
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808	5,300	--	--	145,100	--	--	--
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000	3,500	--	--	7,240	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700	2,500	3,608	--	2,400	2,042	4,460	4,780
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	184	--	--	--
MW-03S	3.0 - 13.0	620	17	1,425	104	--	--	--	120	20	0	28	25	0
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560	2,600	--	--	3,214	--	--	--
MW-05S	4.0 - 14.0	5,514	2,360	2,964	2,682	--	2,100	1,600	--	--	2,783	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09S	4.0 - 14.0	0	--	0	--	0	74	0	--	--	0	--	--	0
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)																				
		Sampling Date																Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2005				2006				2007				2008								
Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	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	40	4,492	2,322	40	4,492			
BBMW-05D2	126.5 - 136.5	--	--	--	--	0	--	--	--	--	--	--	--	0	0	147	49	0	147			
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--	--	0	0	0	0	0	0	40	4	0	40			
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	2,289	4,688	5,460	--	--	2,289	14,594	6,866	2,289	14,594			
BBMW-20I	35.0 - 45.0	--	--	--	8,636	--	--	7,722	5,749	7,160	2,189	2,033	452	75	452	8,636	5,856	75	8,636			
BBMW-20S	4.0 - 14.0	--	--	--	2,483	--	--	1,365	2,179	1,819	1,343	860	--	--	860	15,000	3,231	860	15,000			
BBMW-22D	64.0 - 74.0	4,418	--	--	--	6,168	--	--	--	2,725	3,310	5,374	8516	4257	2,725	145,100	20,116	2,725	145,100			
BBMW-22I	30.0 - 40.0	5,865	--	--	--	7,028	--	--	--	4,696	4,283	4,879	5212	5536	3,500	8,810	5,951	3,500	8,810			
BBMW-22S	5.0 - 10.0	2,640	143	4,549	--	4,131	2,214	--	--	1,634	2,931	3,629	3189	24	143	4,780	3,088	24	4,780			
BBMW-26I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	1	--	0	0	1	0	0	1			
BBMW-26S	6.0 - 16.0	0	--	--	--	0	--	--	--	0	0	0	24	0	0	24	4	0	24			
BBMW-27I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	0	--	0	0	0	0	0	0			
BBMW-27S	5.0 - 15.0	0	--	--	--	0	--	--	--	0	0	0	0	0	0	0	0	0	0			
MW-03D	35.0 - 45.0	--	--	--	--	0	--	--	--	0	0	0	2	0	0	184	19	0	184			
MW-03S	3.0 - 13.0	--	0	21	0	25	11	0	0	0	0	9	0	0	0	1,425	115	0	1,425			
MW-05D	35.5 - 45.5	2,842	--	--	--	2,456	435	1,984	3,122	1,113	142	55	741	2644	55	4,944	2,435	55	4,944			
MW-05S	4.0 - 14.0	2,144	--	--	--	2,220	1,647	2,493	1,652	1,647	1,294	1,630	1431	1699	1,294	5,514	2,260	1,294	5,514			
MW-09I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	0	0	--	0	0	0	0	0	0			
MW-09S	4.0 - 14.0	--	--	--	--	0	--	--	--	0	0	0	0	0	0	74	6	0	74			
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1			
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	1447	--	--	--	1,447	1,447			
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	830	--	--	--	830	830			
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--	27	27			
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	5197	--	--	--	5,197	5,197			
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	7	--	--	--	7	7			
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	1963	--	--	--	1,963	1,963			
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	1684	--	--	--	1,684	1,684			
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	2312	--	--	--	2,312	2,312			
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	8178	--	--	--	8,178	8,178			
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	569	--	--	--	569	569			
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
OZMW-22I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
OZMW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	2191	--	--	--	2,191	2,191			

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 2-8
 Summary of BTEX, MTBE and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 BBMW-05D 64-74 ft 2/28/2008	OU1 BBMW-05D2 126.5-136.5 ft 2/28/2008	OU1 BBMW-13D 62-72 ft 2/1/2008	OU1 BBMW-20I 35-45 ft 3/3/2008	OU1 BBMW-22D 64-74 ft 2/7/2008	OU1 BBMW-22I 30-40 ft 2/7/2008	OU1 BBMW-22S 5-10 ft 2/7/2008	OU1 MW-03D 35-45 ft 2/1/2008	OU1 MW-03S 3-13 ft 2/1/2008	OU1 MW-05D 35.5-45.5 ft 2/28/2008	OU1 MW-05S 4-14 ft 2/28/2008
BTEX (ug/L)												
Benzene	1	17	10 U	10 U	10 U	6 J	3 J	360 J	10 U	10 U	10 U	75 J
Toluene	5	230	10 U	10 U	10 U	660	2 J	56 J	10 U	2 J	10 U	720
Ethylbenzene	5	60	10 U	10 U	10 U	190	7 J	2100	10 U	16	10 U	5600
Xylene, total	5	410	10 U	10 U	8 J	1500	19	3300	10 U	12	10 U	8700
Total BTEX	NE	717	ND	ND	8	2356	31	5816	ND	30	ND	15095
Other VOCs (ug/L)												
Methyl tert-butyl ether	NE	10 U	10 U	10 U	13	10 U	1 J	10 U	1 J	10 U	7 J	10 U
Non-carcinogenic PAHs (ug/L)												
Acenaphthene	20*	4 J	10 U	10 U	4 J	9	190 J	6	10 U	10 U	24	30
Acenaphthylene	NE	37	10 U	10 U	32	160 J	53	2 J	10 U	10 U	510	41
Anthracene	50*	9	10 U	10 U	2 J	9	7	10 U	10 U	10 U	10	5
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	5 J	10 U	10 U	10 U	3 J	2 J	10 U	10 U	10 U	3 J	2 J
Fluorene	50*	19	10 U	10 U	11	30	42	10 U	10 U	10 U	62	24
Methylnaphthalene,2-	NE	120	10 U	10 U	15	550 U	1100	2 J	10 U	10 U	1400	270
Naphthalene	10*	730	10 U	10 U	2 J	4000	4100	12	10 U	10 U	580	1300
Phenanthrene	50*	47	10 U	10 U	9	41	40	10 U	10 U	10 U	52	25
Pyrene	50*	6	10 U	10 U	10 U	5 J	2 J	2 J	10 U	10 U	3 J	2 J
Total Noncarcinogenic PAHs	NE	977	ND	ND	75	4257	5536	24	ND	ND	2644	1699
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	1 J	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	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)												
Total PAHs	NE	981	ND	ND	75	4257	5536	24	ND	ND	2644	1699

NOTES:

- BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
- VOCs - volatile organic compounds
- SVOCs - semivolatile organic compounds
- PAHs - polycyclic aromatic hydrocarbons
- ug/L - micrograms per liter or parts per billion (ppb)
- NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance
- * indicates the value is a guidance value and not a standard
- NE - not established
- Bolding indicates the compound was detected
- Shading indicates an exceedance of established NYSDEC SCGs
- ND - not detected; total concentration is listed as ND because no compounds were detected in the group
- J - estimated value
- U - indicates not detected at or above the reporting limit shown
- D - indicates a diluted sample
- bgs - below ground surface

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 BBMW-26I 30-40 ft 1/30/2008	OU1 BBMW-26S 6-16 ft 1/30/2008	OU1 BBMW-27I 30-40 ft 1/30/2008	OU1 BBMW-27S 5-15 ft 2/14/2008	OU1 MW-09I 30-40 ft 1/30/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	10 U	10 U	2 J
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	2
Other VOCs (ug/L)						
Acetone	50*	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	3 J	10 U	1 J	10 U	11
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 UJ	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	2 J	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 J	10 UJ	10 UJ	12	18 J
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzof[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	ND	ND	ND	ND	ND

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 MW-09S 4-14 ft 1/30/2008	OU1 OZMW-16D 55-65 ft 3/12/2008	OU1 OZMW-16I 20-30 ft 2/18/2008	OU1 OZMW-16I2 35-45 ft 2/18/2008	OU1 OZMW-16S 5-15 ft 2/18/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	38	10 U	1200
Toluene	5	10 U	10 U	7	10 U	25
Ethylbenzene	5	10 U	10 U	230	10 U	2000
Xylene, m,p-	NE	10 U	10 U	97	1 J	670
Xylene, o-	NE	10 U	10 U	140	2 J	790
Xylene, total	5	10 U	10 U	237	3	1460
Total BTEX	NE	ND	ND	512	3	4685
Other VOCs (ug/L)						
Acetone	50*	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Butanone,2-	50*	10 U	10 U	10 UJ	10 UJ	10 UJ
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	38	4 J	110
Methyl tert-butyl ether	NE	10 U	10 U	10 UJ	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	3500	410	2100
Propylbenzene, n-	5	10 U	10 U	17	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	160	2 J	360
Trimethylbenzene,1,2,4-	5	10 U	10 U	190	9	490
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 UJ	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	10 U	10 U	61	10 U	64
Acenaphthylene	NE	10 U	10 U	91 J	10 U	10
Anthracene	50*	10 U	10 U	6	10 U	4 J
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	1 J
Fluorene	50*	10 U	10 U	35	10 U	22
Methylnaphthalene,2-	NE	10 U	10 U	130	10 U	120
Naphthalene	10*	10 U	1 J	1100	10 U	600
Phenanthrene	50*	10 U	10 U	24	10 U	8
Pyrene	50*	10 U	10 U	10 U	10 U	1 J
Total Noncarcinogenic PAHs	NE	ND	1	1447	ND	830
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	ND	1	1447	ND	830

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 OZMW-17D 53-63 ft 3/14/2008	OU1 OZMW-17I 20-30 ft 2/18/2008	OU1 OZMW-17I2 35-45 ft 2/18/2008	OU1 OZMW-17S 5-15 ft 2/18/2008	OU1 OZMW-18D 55-65 ft 3/14/2008
BTEX (ug/L)						
Benzene	1	10 U	230 J	10 U	69	21
Toluene	5	10 U	16	10 U	25	4 J
Ethylbenzene	5	10 U	490	10 U	670	3 J
Xylene, m,p-	NE	10 U	250	10 U	360	36
Xylene, o-	NE	10 U	330	10 U	540	13
Xylene, total	5	10 U	580	10 U	900	49
Total BTEX	NE	ND	1316	ND	1664	77
Other VOCs (ug/L)						
Acetone	50*	10 U	10 UJ	10 U	10 UJ	5 J
Butanone,2-	50*	10 U	10 UJ	10 U	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	2 J
Cyclohexane	NE	10 U	10 UJ	10 UJ	10 UJ	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	56	10 U	150	4 J
Methyl tert-butyl ether	NE	2 J	10 UJ	2 J	10 UJ	3 J
Naphthalene	10*	83	7900	21	2400	2900
Propylbenzene, n-	5	10 U	56	10 U	50	13
Styrene	5	10 U	10 U	10 U	10 U	11
Tetrachloroethene	5	10 U	1 J	10 U	10 U	2 J
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	400	10 U	380	87
Trimethylbenzene,1,2,4-	5	4 J	720	10 U	450	170
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	10 U	41	1 J	56	11
Acenaphthylene	NE	10 U	94 J	10 U	57	130
Anthracene	50*	10 U	12	10 U	6	6
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	4 J	10 U	2 J	2 J
Fluorene	50*	10 U	44	10 U	29	32
Methylnaphthalene,2-	NE	10 U	440 J	10 U	390	370
Naphthalene	10*	27	4500	6	1400	1100
Phenanthrene	50*	10 U	58	10 U	21	31
Pyrene	50*	10 U	4 J	10 U	2 J	2 J
Total Noncarcinogenic PAHs	NE	27	5197	7	1963	1684
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	27	5197	7	1963	1684

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 OZMW-181 20-30 ft 2/19/2008	OU1 OZMW-1812 35-45 ft 2/19/2008	OU1 OZMW-18S 5-15 ft 2/19/2008	OU1 OZMW-22D 55-65 ft 3/14/2008	OU1 OZMW-22I 20-30 ft 3/14/2008
BTEX (ug/L)						
Benzene	1	230	62	190	10 U	10 U
Toluene	5	260	2 J	100	10 U	10 U
Ethylbenzene	5	1500	8	1300	10 U	10 U
Xylene, m,p-	NE	1000	100	890	10 U	10 U
Xylene, o-	NE	610	29	680	10 U	10 U
Xylene, total	5	1610	129	1570	10 U	10 U
Total BTEX	NE	3600	201	3160	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U
Butanone,2-	50*	10 UJ	10 UJ	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 U	10 U	10 UJ
Dichlorobenzene,1,2-	3	3 J	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	1 J	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	2 J	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Isopropyl benzene	5	36	89	64	10 U	10 U
Methyl tert-butyl ether	NE	10 UJ	1 J	10 U	10 U	10 U
Naphthalene	10*	1900	11000	1800	10 U	10 U
Propylbenzene, n-	5	27	59	24	10 U	10 U
Styrene	5	10 U	18	10 U	10 U	10 U
Tetrachloroethene	5	1 J	7	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	220	340 J	470	10 U	10 U
Trimethylbenzene,1,2,4-	5	280	700	540	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Vinyl chloride	2	10 U	10 U	10 UJ	10 UJ	10 U
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	150	19	51	10 U	10 U
Acenaphthylene	NE	210	190 J	51	10 UJ	10 U
Anthracene	50*	8	9	3 J	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	2 J	10 U	10 U
Fluorene	50*	50	43	20	10 U	10 U
Methylnaphthalene,2-	NE	650	1200 J	100	10 U	10 U
Naphthalene	10*	1200	6700	340	10 U	10 U
Phenanthrene	50*	39	13	10 U	10 U	10 U
Pyrene	50*	3 J	2 J	2 J	10 U	10 U
Total Noncarcinogenic PAHs	NE	2312	8178	569	ND	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	2312	8178	569	ND	ND

Table 2-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 1 (OU-1)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU1 OZMW-2212 35-45 ft 3/14/2008	OU1 OZMW-22S 5-15 ft 3/14/2008
BTEX (ug/L)			
Benzene	1	10 U	7 J
Toluene	5	10 U	470
Ethylbenzene	5	10 U	2700
Xylene, m,p-	NE	10 U	2400
Xylene, o-	NE	10 U	1500
Xylene, total	5	10 U	3900
Total BTEX	NE	ND	7077
Other VOCs (ug/L)			
Acetone	50*	10 U	10 U
Butanone,2-	50*	10 U	10 U
Chlorobenzene	5	10 U	10 U
Chloroform	7	10 U	10 U
Cyclohexane	NE	10 UJ	10 U
Dichlorobenzene,1,2-	3	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 UJ
Isopropyl benzene	5	10 U	330
Methyl tert-butyl ether	NE	10 U	10 U
Naphthalene	10*	10 U	2500
Propylbenzene, n-	5	10 U	130
Styrene	5	10 U	10 U
Tetrachloroethene	5	10 U	10 U
Trichloroethylene	5	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	980
Trimethylbenzene,1,2,4-	5	10 U	1200
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)			
Acenaphthene	20*	10 U	15
Acenaphthylene	NE	10 U	9
Anthracene	50*	10 U	3 J
Benzo[g,h,i]perylene	NE	10 U	10 U
Fluoranthene	50*	10 U	1 J
Fluorene	50*	10 U	10
Methylnaphthalene,2-	NE	10 U	140 J
Naphthalene	10*	10 U	2000
Phenanthrene	50*	10 U	11
Pyrene	50*	10 U	2 J
Total Noncarcinogenic PAHs	NE	ND	2191
Carcinogenic PAHs (ug/L)			
Benz[a]anthracene	0.002*	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U
Chrysene	0.002*	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND
Total PAHs (ug/L)			
Total PAHs	NE	ND	2191

Table 2-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 1 (OU-1)

NOTES:

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

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

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

NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance

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

NA - not analyzed

NE - not established

Bolding indicates the compound was detected

Shading indicates an exceedance of established NYSDEC SCGs

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

J - estimated value

U - indicates not detected at or above the reporting limit shown

bgs - below ground surface

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06
Conductivity (mS/cm)													
BBMW-25D	0.048	0.047	0.058	0.076	-	0.058	-	-	-	-	-	0.053	-
BBMW-25I	0.482	0.577	0.483	0.544	-	0.279	-	-	-	1.01	0.647	0.458	0.386
BBMW-25S	-	0.465	0.288	0.638	-	0.65	-	-	-	0.467	0.354	0.348	0.3
OU2MW-02D	-	-	-	-	-	0.037	-	-	-	-	0.049	-	-
OU2MW-02I	-	-	-	-	-	0.178	-	-	-	-	0.263	-	-
OU2MW-02I2	-	-	-	-	-	0.122	-	-	-	-	0.1	-	-
OU2MW-02S	-	-	-	-	-	0.405	-	-	-	-	0.565	0.885	-
OU2MW-03D	-	-	-	-	-	-	0.036	-	-	-	-	0.055	-
OU2MW-03I	-	-	-	-	-	-	-	-	-	-	-	0.345	-
OU2MW-03I2	-	-	-	-	-	-	0.073	-	-	-	-	0.094	-
OU2MW-03S	-	-	-	-	-	-	0.452	-	-	-	-	0.636	-
OU2MW-04D	-	-	-	-	-	-	0.066	-	-	-	-	0.062	-
OU2MW-04I	-	-	-	-	-	-	0.416	-	-	-	-	0.656	-
OU2MW-04I2	-	-	-	-	-	-	0.213	-	-	-	-	0.312	-
OU2MW-04S	-	-	-	-	-	-	0.554	-	-	-	-	0.733	-
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-	-	-	-	0.036	-	-	0.049	-	-
OU2MW-08I	-	-	-	-	-	-	-	0.364	-	-	0.381	-	-
OU2MW-08I2	-	-	-	-	-	-	-	0.409	-	-	0.539	-	-
OU2MW-08S	-	-	-	-	-	-	-	0.549	-	-	0.646	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	-	-	-	-	-	-	-	-	-	-	0.52	-
OU2MW-01I	-	-	-	-	-	0.456	-	-	0.47	-	0.701	0.506	0.45
OU2MW-01S	-	-	-	-	-	0.548	-	-	0.609	-	-	0.608	0.482
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-	-	-	-	-	-	-	-	0.187	-	0.287	0.186	0.174
Dissolved Oxygen (mg/L)													
BBMW-25D	0	0	0	0.36	-	0.33	-	-	-	-	-	0	-
BBMW-25I	0	0	0	0.34	-	0.79	-	-	20	0	7.33	13	12
BBMW-25S	-	0	1.13	1.78	-	3.04	-	-	-	9.91	20	26.5	39
OU2MW-02D	-	-	-	-	-	0.89	-	-	-	-	0	-	-
OU2MW-02I	-	-	-	-	-	0.41	-	-	-	-	0	-	-
OU2MW-02I2	-	-	-	-	-	0.51	-	-	-	-	0	-	-
OU2MW-02S	-	-	-	-	-	1.79	-	-	-	-	0	0	-
OU2MW-03D	-	-	-	-	-	-	0	-	-	-	-	0	-
OU2MW-03I	-	-	-	-	-	-	-	-	-	-	-	0	-
OU2MW-03I2	-	-	-	-	-	-	0	-	-	-	-	0	-
OU2MW-03S	-	-	-	-	-	-	0	-	-	-	-	0	-
OU2MW-04D	-	-	-	-	-	-	0.29	-	-	-	-	0	-
OU2MW-04I	-	-	-	-	-	-	4.65	-	-	-	-	0	-
OU2MW-04I2	-	-	-	-	-	-	2.02	-	-	-	-	0	-
OU2MW-04S	-	-	-	-	-	-	5.31	-	-	-	-	0	-
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-	-	-	-	0	-	-	0	-	-
OU2MW-08I	-	-	-	-	-	-	-	0	-	-	0	-	-
OU2MW-08I2	-	-	-	-	-	-	-	0	-	-	0	-	-
OU2MW-08S	-	-	-	-	-	-	-	0	-	-	0	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	-	-	-	-	-	-	-	-	-	-	0	-
OU2MW-01I	-	-	-	-	-	2.42	-	-	0.4	-	20	29	35
OU2MW-01S	-	-	-	-	-	3.02	-	-	0.4	-	-	0	0
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-	-	-	-	-	-	-	-	0.4	-	0	0	0
Oxidation Reduction Potential (mV)													
BBMW-25D	92	67	72	76	-	7	-	-	-	-	-	59	-
BBMW-25I	-80	-94	-80	-95	-	217	-	-	-	-88	-52	-38.3	-32.4
BBMW-25S	-	93	118	115	-	-92	-	-	-	151	148	202	166.9
OU2MW-02D	-	-	-	-	-	69	-	-	-	-	26	-	-
OU2MW-02I	-	-	-	-	-	101	-	-	-	-	51	-	-
OU2MW-02I2	-	-	-	-	-	-6	-	-	-	-	-33	-	-
OU2MW-02S	-	-	-	-	-	-183	-	-	-	-	-155	-115	-
OU2MW-03D	-	-	-	-	-	-	-19	-	-	-	-	43	-
OU2MW-03I	-	-	-	-	-	-	-	-	-	-	-	105	-
OU2MW-03I2	-	-	-	-	-	-	-61	-	-	-	-	-23	-
OU2MW-03S	-	-	-	-	-	-	-158	-	-	-	-	-148	-
OU2MW-04D	-	-	-	-	-	-	-104	-	-	-	-	-52	-
OU2MW-04I	-	-	-	-	-	-	-120	-	-	-	-	-99	-
OU2MW-04I2	-	-	-	-	-	-	-23	-	-	-	-	-56	-
OU2MW-04S	-	-	-	-	-	-	-157	-	-	-	-	-157	-
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-	-	-	-	60	-	-	-206	-	-
OU2MW-08I	-	-	-	-	-	-	-	-44	-	-	-44	-	-
OU2MW-08I2	-	-	-	-	-	-	-	-102	-	-	-125	-	-
OU2MW-08S	-	-	-	-	-	-	-	-142	-	-	-129	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06
Oxidation Reduction Potential (mV)													
OU2MW-01D	-	-	-	-	-	-	-	-	-	-	-	66	-
OU2MW-01I	-	-	-	-	-	15	-	-	-477	-	123	193	148
OU2MW-01S	-	-	-	-	-	-116	-	-	-462	-	-	-101.2	-99.9
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-	-	-	-	-	-	-	-	-480	-	-54	-37.2	-38.6
pH (std. units)													
BBMW-25D	5.89	5.35	5.71	5.52	-	5.92	-	-	-	-	-	5.75	-
BBMW-25I	6.77	6.56	6.55	6.32	-	6.18	-	-	-	6.44	6.49	6.56	6.58
BBMW-25S	-	6.27	6.23	5.99	-	6.51	-	-	-	6.09	6.28	6.34	6.4
OU2MW-02D	-	-	-	-	-	5.74	-	-	-	-	5.69	-	-
OU2MW-02I	-	-	-	-	-	6.12	-	-	-	-	6.23	-	-
OU2MW-02I2	-	-	-	-	-	6.14	-	-	-	-	6.33	-	-
OU2MW-02S	-	-	-	-	-	6.88	-	-	-	-	6.97	6.62	-
OU2MW-03D	-	-	-	-	-	-	5.83	-	-	-	-	5.91	-
OU2MW-03I	-	-	-	-	-	-	-	-	-	-	-	5.84	-
OU2MW-03I2	-	-	-	-	-	-	6.43	-	-	-	-	6.32	-
OU2MW-03S	-	-	-	-	-	-	6.85	-	-	-	-	6.94	-
OU2MW-04D	-	-	-	-	-	-	7.06	-	-	-	-	6.28	-
OU2MW-04I	-	-	-	-	-	-	6.66	-	-	-	-	6.52	-
OU2MW-04I2	-	-	-	-	-	-	6.25	-	-	-	-	6.24	-
OU2MW-04S	-	-	-	-	-	-	6.83	-	-	-	-	6.88	-
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-	-	-	-	5.75	-	-	5.87	-	-
OU2MW-08I	-	-	-	-	-	-	-	6.68	-	-	6.4	-	-
OU2MW-08I2	-	-	-	-	-	-	-	6.89	-	-	6.68	-	-
OU2MW-08S	-	-	-	-	-	-	-	7.18	-	-	6.9	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	-	-	-	-	-	-	-	-	-	-	5.56	-
OU2MW-01I	-	-	-	-	-	6.14	-	-	7.12	-	6.22	6.25	6.28
OU2MW-01S	-	-	-	-	-	6.61	-	-	7.09	-	-	6.49	6.57
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-	-	-	-	-	-	-	-	7.05	-	6.46	6.5	6.53
Temperature (deg C)													
BBMW-25D	13.2	15.6	13.1	11.43	-	16.7	-	-	-	-	-	12.4	-
BBMW-25I	14.4	15.6	13.9	13.12	-	21.65	-	-	-	13.5	14	14.97	13.14
BBMW-25S	-	19.1	13.8	10.48	-	18.2	-	-	-	13.3	11.2	12.085	12.18
OU2MW-02D	-	-	-	-	-	17.19	-	-	-	-	11.6	-	-
OU2MW-02I	-	-	-	-	-	17.97	-	-	-	-	12.4	-	-
OU2MW-02I2	-	-	-	-	-	16.01	-	-	-	-	11.7	-	-
OU2MW-02S	-	-	-	-	-	16.73	-	-	-	-	11.8	13.5	-
OU2MW-03D	-	-	-	-	-	-	15	-	-	-	-	10.8	-
OU2MW-03I	-	-	-	-	-	-	-	-	-	-	-	13.1	-
OU2MW-03I2	-	-	-	-	-	-	15.7	-	-	-	-	11.9	-
OU2MW-03S	-	-	-	-	-	-	16.5	-	-	-	-	12.6	-
OU2MW-04D	-	-	-	-	-	-	14.74	-	-	-	-	11	-
OU2MW-04I	-	-	-	-	-	-	16.04	-	-	-	-	12.2	-
OU2MW-04I2	-	-	-	-	-	-	15.22	-	-	-	-	11.3	-
OU2MW-04S	-	-	-	-	-	-	15.48	-	-	-	-	12.1	-
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-	-	-	-	16.2	-	-	12.5	-	-
OU2MW-08I	-	-	-	-	-	-	-	16.8	-	-	13.3	-	-
OU2MW-08I2	-	-	-	-	-	-	-	17	-	-	13.1	-	-
OU2MW-08S	-	-	-	-	-	-	-	17.6	-	-	14.7	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	-	-	-	-	-	-	-	-	-	-	11.9	-
OU2MW-01I	-	-	-	-	-	18.35	-	-	13.4	-	12	14.17	12.76
OU2MW-01S	-	-	-	-	-	18.38	-	-	15	-	-	14.23	12.57
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-	-	-	-	-	-	-	-	12.8	-	12.5	13.09	12.35

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07
Conductivity (mS/cm)													
BBMW-25D	-	0.056	-	-	0.084	-	0.1	0.047	-	-	0.034	0.048	0.055
BBMW-25I	0.387	0.238	0.444	0.604	0.472	0.535	0.626	0.411	0.629	0.586	-	0.474	0.427
BBMW-25S	0.236	0.232	0.31	0.314	0.303	0.336	0.376	-	0.452	0.359	0.363	-	0.353
OU2MW-02D	-	0.036	-	-	0.036	-	-	-	-	-	0.05	-	0.042
OU2MW-02I	-	0.199	-	-	0.201	-	0.23	-	-	-	0.271	-	0.301
OU2MW-02I2	-	0.067	-	-	0.064	-	0.068	-	-	-	0.087	-	0.093
OU2MW-02S	-	0.514	-	-	0.406	-	0.444	-	-	-	0.432	-	0.654
OU2MW-03D	-	0.036	-	-	0.034	-	0.047	-	-	-	0.051	-	0.065
OU2MW-03I	-	0.226	-	-	0.2	-	0.545	-	-	-	0.46	-	0.536
OU2MW-03I2	-	0.071	-	-	0.06	-	0.071	-	-	-	0.108	-	0.081
OU2MW-03S	-	0.475	-	-	0.557	-	0.047	-	-	-	0.609	-	0.44
OU2MW-04D	-	0.047	-	-	0.045	-	0.056	-	-	-	0.063	-	0.04
OU2MW-04I	-	0.429	-	-	0.497	-	0.614	-	-	-	0.437	-	0.462
OU2MW-04I2	-	0.23	-	-	0.195	-	0.198	-	-	-	0.183	-	0.1
OU2MW-04S	-	0.639	-	-	0.535	-	0.68	-	-	-	0.675	-	0.759
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	0.035	-	-	0.061	-	-	-	0.054	-	-
OU2MW-08I	-	-	-	0.293	-	-	0.433	-	-	-	0.404	-	-
OU2MW-08I2	-	-	-	0.397	-	-	0.775	-	-	-	0.761	-	-
OU2MW-08S	-	-	-	0.564	-	-	0.904	-	-	-	0.778	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	0	-	-	0.035	-	0.041	-	-	-	0.032	0.04	0.034
OU2MW-01I	0.494	0.546	0.59	0.631	0.5	0.51	0.517	0.34	0.558	0.728	0.507	0.456	0.448
OU2MW-01S	0.465	0.506	0.539	0.579	0.483	0.643	0.768	0.529	0.819	0.737	-	0.72	0.658
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	0.196	0.209	0.205	0.166	0.063	0.133	0.161	0.097	0.173	0.161	0.067	0.149	0.168
Dissolved Oxygen (mg/L)													
BBMW-25D	-	6.5	-	-	20	-	27	17	-	-	16	19	32
BBMW-25I	25	27	19	20	25	26	14	7	10	20	-	26	25
BBMW-25S	33	24	17	27	32	33	37	-	36	35	28	-	26
OU2MW-02D	-	1.61	-	-	0	-	-	-	-	-	0	-	0
OU2MW-02I	-	1.6	-	-	0	-	0	-	-	-	0	-	0
OU2MW-02I2	-	1.5	-	-	0	-	0	-	-	-	0	-	0
OU2MW-02S	-	1.13	-	-	0	-	0	-	-	-	20	-	0
OU2MW-03D	-	1.7	-	-	0	-	0	-	-	-	0	-	0
OU2MW-03I	-	1.68	-	-	0	-	0	-	-	-	4.05	-	17.75
OU2MW-03I2	-	1.91	-	-	0	-	0	-	-	-	0	-	0
OU2MW-03S	-	1.78	-	-	0	-	0	-	-	-	0	-	0
OU2MW-04D	-	1.96	-	-	0	-	0	-	-	-	0	-	0
OU2MW-04I	-	2.07	-	-	0	-	0	-	-	-	16.35	-	10.05
OU2MW-04I2	-	1.9	-	-	0.07	-	0	-	-	-	0	-	0
OU2MW-04S	-	1.77	-	-	0	-	0	-	-	-	0	-	0
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	0	-	-	0	-	-	-	0	-	-
OU2MW-08I	-	-	-	0	-	-	0	-	-	-	0	-	-
OU2MW-08I2	-	-	-	0	-	-	0	-	-	-	0	-	-
OU2MW-08S	-	-	-	0	-	-	0	-	-	-	0	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	0.039	-	-	0	-	0	-	-	-	4	1	0
OU2MW-01I	37	35	37	37	31	32	39	28	44	47	41	38	35
OU2MW-01S	0	2	0	0	0	0	0	0	0	0	-	0	0
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	0.25	3	8	6	15	22	28	33	23	8	3	1	0
Oxidation Reduction Potential (mV)													
BBMW-25D	-	90	-	-	99	-	172	197	-	-	198	295	278
BBMW-25I	17.6	163	41	10	52.8	49	20	-2	53	69	-	26	40
BBMW-25S	216	180	248	137	112.6	146	185	-	260	128	630	-	215
OU2MW-02D	-	105	-	-	85	-	-	-	-	-	65	-	98
OU2MW-02I	-	69	-	-	118.2	-	40	-	-	-	52	-	59
OU2MW-02I2	-	-15	-	-	-25	-	-3	-	-	-	-25	-	1
OU2MW-02S	-	-176	-	-	-145	-	-131	-	-	-	57	-	-84
OU2MW-03D	-	29	-	-	43	-	9	-	-	-	60	-	90
OU2MW-03I	-	111	-	-	107	-	131	-	-	-	174	-	218
OU2MW-03I2	-	-56	-	-	-27	-	-44	-	-	-	-10	-	-124
OU2MW-03S	-	-168	-	-	-154	-	47	-	-	-	-129	-	-187
OU2MW-04D	-	-29	-	-	-15	-	-7	-	-	-	2	-	-102
OU2MW-04I	-	-120	-	-	-93	-	-88	-	-	-	110	-	69
OU2MW-04I2	-	-49	-	-	-31.5	-	-17	-	-	-	2	-	-80
OU2MW-04S	-	-165	-	-	-149	-	-138	-	-	-	-119	-	-144
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	-21	-	-	35	-	-	-	74	-	-
OU2MW-08I	-	-	-	-55	-	-	-32	-	-	-	3	-	-
OU2MW-08I2	-	-	-	-132	-	-	-117	-	-	-	-69	-	-
OU2MW-08S	-	-	-	-143	-	-	-128	-	-	-	-94	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07
Oxidation Reduction Potential (mV)													
OU2MW-01D	-	104	-	-	62	-	69	-	-	-	402	120	-25
OU2MW-01I	207	139	298	163	157	149	188	191	223	197	476	237	101
OU2MW-01S	-78	-104	-52	-117	-71	-67	-61	-70	-54	-89	-	-96	-64
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	-25.9	-45	93	27	148	53	102	85	140	158	144	137	136
pH (std. units)													
BBMW-25D	-	5.71	-	-	5.78	-	5.6	6.06	-	-	4.91	4.68	5.58
BBMW-25I	6.51	6.44	6.1	6.49	6.44	6.29	6.47	5.9	6.2	6.12	-	6.21	6.38
BBMW-25S	6.5	6.21	5.02	6.41	6.55	6.39	6.11	-	6.24	6.11	6.2	-	6.39
OU2MW-02D	-	4.97	-	-	5.27	-	-	-	-	-	5.4	-	5.64
OU2MW-02I	-	6.22	-	-	6.26	-	6.61	-	-	-	5.48	-	6.06
OU2MW-02I2	-	5.83	-	-	6.11	-	6.43	-	-	-	6.2	-	5.99
OU2MW-02S	-	6.81	-	-	6.72	-	7.15	-	-	-	6.26	-	6.49
OU2MW-03D	-	5.75	-	-	5.97	-	6.43	-	-	-	5.92	-	5.24
OU2MW-03I	-	5.62	-	-	5.81	-	5.99	-	-	-	6.02	-	5.84
OU2MW-03I2	-	6.35	-	-	6.33	-	6.67	-	-	-	6.23	-	6.29
OU2MW-03S	-	6.79	-	-	6.74	-	6.14	-	-	-	6.72	-	6.98
OU2MW-04D	-	6.41	-	-	6.06	-	6.73	-	-	-	6.2	-	6.26
OU2MW-04I	-	6.59	-	-	6.21	-	6.73	-	-	-	5.48	-	5.78
OU2MW-04I2	-	6.4	-	-	6.56	-	6.64	-	-	-	6.25	-	6.39
OU2MW-04S	-	6.91	-	-	6.48	-	7.1	-	-	-	6.78	-	6.93
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	5.98	-	-	6.21	-	-	-	5.63	-	-
OU2MW-08I	-	-	-	6.4	-	-	6.8	-	-	-	6.14	-	-
OU2MW-08I2	-	-	-	6.6	-	-	7	-	-	-	6.3	-	-
OU2MW-08S	-	-	-	6.78	-	-	7.23	-	-	-	6.64	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	4.95	-	-	5.53	-	5.56	-	-	-	6.05	4.81	5.33
OU2MW-01I	6.26	6.04	5.02	6.2	6.18	6.1	5.96	6.49	5.84	5.9	6.48	5.97	6.15
OU2MW-01S	6.5	6.34	6.81	6.57	6.48	6.36	6.65	7.01	6.34	6.25	-	6.34	6.18
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	6.52	6.2	5.66	6.33	6.17	5.91	6.08	6.55	5.79	6.03	5.86	5.91	5.49
Temperature (deg C)													
BBMW-25D	-	19.08	-	-	16.79	-	15.8	13	-	-	11.4	14.12	14.83
BBMW-25I	15.91	20.95	22.2	17	17.2	14.5	16.8	13.7	12.1	13.4	-	15.03	16.98
BBMW-25S	16.44	20.61	24	20.8	19.96	16.2	17.4	-	12.1	10.7	17.45	-	17.62
OU2MW-02D	-	14.44	-	-	19.9	-	-	-	-	-	11.2	-	12.27
OU2MW-02I	-	16.1	-	-	16.56	-	14	-	-	-	11.1	-	13.59
OU2MW-02I2	-	15.17	-	-	17.94	-	15.1	-	-	-	13	-	12.42
OU2MW-02S	-	16.25	-	-	17.79	-	17.2	-	-	-	11.5	-	13.22
OU2MW-03D	-	13.98	-	-	13.97	-	13.58	-	-	-	11.6	-	12.26
OU2MW-03I	-	14.42	-	-	14.46	-	14	-	-	-	13.1	-	13.03
OU2MW-03I2	-	14.78	-	-	14.23	-	13.82	-	-	-	12.3	-	12.9
OU2MW-03S	-	15.01	-	-	15.16	-	13.5	-	-	-	13.4	-	13
OU2MW-04D	-	15.46	-	-	14.09	-	13.58	-	-	-	11.9	-	12.6
OU2MW-04I	-	15.95	-	-	14.55	-	13.86	-	-	-	12.9	-	12.45
OU2MW-04I2	-	15.09	-	-	15.89	-	13.86	-	-	-	10.7	-	13
OU2MW-04S	-	15.5	-	-	15.11	-	14.59	-	-	-	11.2	-	11.82
OU2MW-04WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-08D	-	-	-	17.1	-	-	14.5	-	-	-	11	-	-
OU2MW-08I	-	-	-	17.1	-	-	15.3	-	-	-	12.1	-	-
OU2MW-08I2	-	-	-	16.1	-	-	14.8	-	-	-	12.1	-	-
OU2MW-08S	-	-	-	18.1	-	-	16.9	-	-	-	12.5	-	-
OU2MW-08WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01D	-	16.27	-	-	18.27	-	16	-	-	-	14.91	15.59	14.9
OU2MW-01I	15.82	16.82	22.1	19.1	17.63	14	16.1	11.2	8.5	9.8	15.32	19.88	16.3
OU2MW-01S	15.93	18.05	23.7	21	18.24	16.6	17	12	8.5	11.4	-	17.75	15.44
OU2MW-01WT	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-01I2	15.58	16.88	20.2	20.9	17.92	11.2	15.7	12.1	7.5	12.4	15	15.03	15.99

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Conductivity (mS/cm)										
BBMW-25D	0.063	0.073	0.049	0.062	0.057	0.052	0.049	0.063	0.047	0.085
BBMW-25I	0.472	0.417	-	0.441	0.45	0.433	0.558	0.58	0.504	0.726
BBMW-25S	0.349	0.277	0.348	0.351	0.44	0.209	0.316	0.267	0.276	0.342
OU2MW-02D	-	-	-	0.038	-	0.035	-	-	0.039	-
OU2MW-02I	-	-	-	0.186	-	0.237	-	-	0.23	-
OU2MW-02I2	-	-	-	0.072	-	0.071	-	-	0.08	-
OU2MW-02S	-	-	-	0.39	-	0.448	-	-	0.453	-
OU2MW-03D	-	-	-	0.039	-	0.036	-	-	0.04	-
OU2MW-03I	-	-	-	0.289	-	0.26	-	-	0.3	-
OU2MW-03I2	-	-	-	0.054	-	0.061	-	-	0.049	-
OU2MW-03S	-	-	-	0.434	-	0.455	-	-	0.618	-
OU2MW-04D	-	-	-	0.048	-	0.048	-	-	0.053	-
OU2MW-04I	-	-	-	0.359	-	0.324	-	-	0.441	-
OU2MW-04I2	-	-	-	0.063	-	0.044	-	-	0.048	-
OU2MW-04S	-	-	-	0.547	-	0.569	-	-	0.65	-
OU2MW-04WT	0.222	-	-	0.24	-	-	-	-	0.141	-
OU2MW-08D	0.038	0.037	0.047	-	-	0.035	-	-	0.037	-
OU2MW-08I	0.373	0.185	0.254	-	-	0.303	-	-	0.436	-
OU2MW-08I2	0.461	0.552	0.519	-	-	0.562	-	-	0.501	-
OU2MW-08S	0.516	0.999	0.617	-	-	0.47	-	-	0.446	-
OU2MW-08WT	0.681	1.38	-	0.542	-	-	-	-	0.423	-
OU2MW-01D	0.069	0.042	0.038	0.041	0.036	0.034	0.044	0.816	0.036	0.055
OU2MW-01I	0.666	0.605	0.561	0.636	0.593	0.475	0.523	0.489	0.404	0.906
OU2MW-01S	0.787	0.594	-	0.51	0.492	0.46	0.582	0.919	0.531	0.9
OU2MW-01WT	0.71	0.648	-	-	0.513	0.393	0.459	0.598	0.653	-
OU2MW-01I2	0.188	0.114	0.093	0.062	0.063	0.07	0.102	0.342	0.08	0.105
Dissolved Oxygen (mg/L)										
BBMW-25D	29	20	22	30	41	43	43	48	23	18
BBMW-25I	28	20	-	17.66	8	19	26	6	12	9
BBMW-25S	28	20	34	34	15	31	31	28	22	32
OU2MW-02D	-	-	-	0	-	0	-	-	0	-
OU2MW-02I	-	-	-	0	-	2.05	-	-	1.01	-
OU2MW-02I2	-	-	-	0	-	0	-	-	0	-
OU2MW-02S	-	-	-	0.088	-	10.51	-	-	3.73	-
OU2MW-03D	-	-	-	0	-	0	-	-	0	-
OU2MW-03I	-	-	-	20	-	13.57	-	-	20	-
OU2MW-03I2	-	-	-	0	-	0	-	-	0	-
OU2MW-03S	-	-	-	0	-	0	-	-	0	-
OU2MW-04D	-	-	-	0	-	0	-	-	0	-
OU2MW-04I	-	-	-	0	-	4.74	-	-	0	-
OU2MW-04I2	-	-	-	0	-	0	-	-	0	-
OU2MW-04S	-	-	-	0	-	0	-	-	0	-
OU2MW-04WT	7.25	-	-	0	-	-	-	-	4.58	-
OU2MW-08D	2.71	0	0	-	-	0	-	-	0	-
OU2MW-08I	2.6	0	0	-	-	0	-	-	0	-
OU2MW-08I2	2.66	1.33	0	-	-	0	-	-	0	-
OU2MW-08S	2.98	0.18	0	-	-	0	-	-	-	-
OU2MW-08WT	0	0	-	0	-	-	-	-	8.03	-
OU2MW-01D	0	0	0.26	0	2	4	4	2	1	2
OU2MW-01I	26	20	32	45	46	31	48	42	31	11
OU2MW-01S	7	1.13	-	0.02	0	4.81	4	2	0	0
OU2MW-01WT	15.71	16.22	-	-	11	10	20	19	10	-
OU2MW-01I2	7	1.27	17	17	7.42	5	5	5	9	5
Oxidation Reduction Potential (mV)										
BBMW-25D	441	201	265	242	239	288	231	253	218	220
BBMW-25I	208	41	-	59	86	107	64	55	11	-6
BBMW-25S	410	201	184	263	172	193	171	195	149	229
OU2MW-02D	-	-	-	102	-	112	-	-	78	-
OU2MW-02I	-	-	-	32	-	73	-	-	22	-
OU2MW-02I2	-	-	-	-15	-	18	-	-	-11	-
OU2MW-02S	-	-	-	-40	-	65	-	-	75	-
OU2MW-03D	-	-	-	44	-	78	-	-	41	-
OU2MW-03I	-	-	-	199	-	177	-	-	203	-
OU2MW-03I2	-	-	-	-16	-	16	-	-	13	-
OU2MW-03S	-	-	-	-138	-	-130	-	-	-134	-
OU2MW-04D	-	-	-	-23	-	22	-	-	-37	-
OU2MW-04I	-	-	-	55	-	48	-	-	22	-
OU2MW-04I2	-	-	-	-35	-	10	-	-	130	-
OU2MW-04S	-	-	-	-132	-	-94	-	-	-133	-
OU2MW-04WT	141	-	-	83	-	-	-	-	177	-
OU2MW-08D	85	56	29	-	-	91	-	-	57	-
OU2MW-08I	-48	7	-47	-	-	-28	-	-	-39	-
OU2MW-08I2	-113	-114	-125	-	-	-94	-	-	-114	-
OU2MW-08S	-153	-137	-140	-	-	-131	-	-	-	-
OU2MW-08WT	-3	144	-	97	-	-	-	-	150	-

Table 3-1
 Summary of Groundwater Parameter Data
 Montauk Highway Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Oxidation Reduction Potential (mV)										
OU2MW-01D	50	38	-37	101	112	133	26	55	97	109
OU2MW-01I	187	207	203	165	209	184	156	190	172	222
OU2MW-01S	-44	-28	-	-45	-64	-15	-77	-51	-34	-23
OU2MW-01WT	226	97	-	-	112	135	130	171	162	-
OU2MW-01I2	226	82	120	200	124	174	87	144	155	175
pH (std. units)										
BBMW-25D	5.41	6.34	5.01	5.56	5.15	5.27	4.98	4.85	5.13	5.31
BBMW-25I	6.22	6.15	-	6.69	6.05	6.22	6.29	6.4	5.87	5.98
BBMW-25S	6.23	6.34	6.06	6.82	6.21	6.19	6.36	5.58	5.89	5.79
OU2MW-02D	-	-	-	5.64	-	5.34	-	-	5.5	-
OU2MW-02I	-	-	-	6.61	-	6.16	-	-	5.98	-
OU2MW-02I2	-	-	-	6.46	-	6.16	-	-	6.01	-
OU2MW-02S	-	-	-	6.63	-	6.29	-	-	6.4	-
OU2MW-03D	-	-	-	6.31	-	5.72	-	-	5.67	-
OU2MW-03I	-	-	-	5.98	-	5.52	-	-	5.38	-
OU2MW-03I2	-	-	-	6.68	-	6.01	-	-	5.83	-
OU2MW-03S	-	-	-	7.42	-	7	-	-	6.23	-
OU2MW-04D	-	-	-	6.72	-	6.16	-	-	6.31	-
OU2MW-04I	-	-	-	6.17	-	6.04	-	-	5.75	-
OU2MW-04I2	-	-	-	6.29	-	6.54	-	-	6.01	-
OU2MW-04S	-	-	-	6.59	-	6.96	-	-	6.36	-
OU2MW-04WT	6.15	-	-	6.7	-	-	-	-	5.84	-
OU2MW-08D	5.44	5.7	5.67	-	-	5.51	-	-	5.6	-
OU2MW-08I	6.37	6.28	6.3	-	-	6.72	-	-	5.99	-
OU2MW-08I2	6.61	6.34	6.56	-	-	7.3	-	-	6.23	-
OU2MW-08S	6.75	6.81	6.74	-	-	7.7	-	-	-	-
OU2MW-08WT	6.31	6.49	-	6.52	-	-	-	-	6.3	-
OU2MW-01D	6.15	5.43	5.69	5.57	5.43	5.32	5.81	6.85	5.33	5.31
OU2MW-01I	6.01	5.97	5.73	6.17	5.35	6	6.01	5.64	5.73	5.41
OU2MW-01S	6.25	6.33	-	6.75	7	6.42	6.76	7.13	5.87	5.59
OU2MW-01WT	6.51	6.32	-	-	6.45	6.67	6.31	6.17	6.08	-
OU2MW-01I2	5.97	6.12	6.02	6.25	5.73	5.83	6.06	6.59	5.8	5.65
Temperature (deg C)										
BBMW-25D	16	19.47	20.21	14.53	18.09	11.2	10.1	8.82	7.91	11.6
BBMW-25I	15.15	17.96	-	18.65	18.37	13.1	11.5	11.31	11.4	12.3
BBMW-25S	17.07	19.47	22.71	20.77	21.46	14.9	11.6	8.47	9.25	9.9
OU2MW-02D	-	-	-	16.62	-	10.7	-	-	9.29	-
OU2MW-02I	-	-	-	19.79	-	11.4	-	-	8.5	-
OU2MW-02I2	-	-	-	18.81	-	11.6	-	-	9.69	-
OU2MW-02S	-	-	-	21.06	-	11.2	-	-	7.55	-
OU2MW-03D	-	-	-	16.49	-	13	-	-	11.1	-
OU2MW-03I	-	-	-	16.95	-	13.8	-	-	12.43	-
OU2MW-03I2	-	-	-	16.45	-	13.3	-	-	11.58	-
OU2MW-03S	-	-	-	17.52	-	15	-	-	12.65	-
OU2MW-04D	-	-	-	18.25	-	9.2	-	-	9.12	-
OU2MW-04I	-	-	-	17.87	-	11.5	-	-	11.67	-
OU2MW-04I2	-	-	-	16.17	-	11.7	-	-	9.07	-
OU2MW-04S	-	-	-	18.51	-	10.5	-	-	13.94	-
OU2MW-04WT	14.32	-	-	20.46	-	-	-	-	4.56	-
OU2MW-08D	16.94	16.29	15.9	-	-	13.8	-	-	11.8	-
OU2MW-08I	18.17	15.9	16.6	-	-	14.19	-	-	13.18	-
OU2MW-08I2	17.37	16.43	16.1	-	-	13.88	-	-	12.49	-
OU2MW-08S	17.37	17.36	17.1	-	-	16.01	-	-	-	-
OU2MW-08WT	20.27	20.3	-	20.9	-	-	-	-	10.53	-
OU2MW-01D	17.91	16.8	18.46	19.42	14.25	13.7	11.8	7.92	11.88	12.2
OU2MW-01I	19.07	19.27	21.6	21.2	14.58	12.2	10.4	9.54	12.37	11.6
OU2MW-01S	15.5	17.6	-	24.86	15.33	12.3	10.3	9.79	12.33	13.0
OU2MW-01WT	17.13	21.25	-	-	16.68	14.3	10.6	8.01	7.32	-
OU2MW-01I2	14.95	19.6	23.03	18.91	14.49	13.6	12.3	7.6	11.4	12.0

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Apr-04	Aug-04	Dec-04	Mar-05	Jun-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07
Conductivity (mS/cm)																						
GMP-02	0.48	0.39	0.44	0.49	0.61	0.44	-	-	-	0.90	-	0.61	-	-	0.50	-	0.47	-	-	-	0.64	-
GMP-04	0.44	0.68	0.41	0.33	0.53	0.34	-	-	-	0.65	-	0.61	-	-	0.55	-	0.43	-	-	-	0.74	-
GMP-01	-	0.47	0.37	0.41	0.66	0.46	-	-	-	0.79	-	0.60	-	-	0.43	-	0.44	-	-	-	0.87	-
OU2MW-06S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-06	-	-	-	-	-	-	-	-	0.21	-	0.15	0.18	0.19	0.16	0.10	0.09	0.13	0.12	0.06	0.26	0.17	0.43
OU2MW-07S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-07	-	-	-	-	-	-	-	-	-	-	0.41	-	-	-	0.25	0.36	0.27	0.28	0.31	0.55	0.29	0.51
Dissolved Oxygen (mg/L)																						
GMP-02	0.00	0.00	0.00	0.28	0.00	0.00	-	-	-	0.00	-	11.32	-	-	20.00	-	20.00	-	-	-	15.03	-
GMP-04	0.00	0.00	0.00	0.28	0.00	0.00	-	-	-	0.00	-	0.00	-	-	1.20	-	0.00	-	-	-	1.24	-
GMP-01	-	0.00	0.00	0.30	0.00	0.00	-	-	-	0.00	-	0.00	-	-	0.99	-	0.00	-	-	-	1.24	-
OU2MW-06S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-06	-	-	-	-	-	-	-	-	0.00	-	0.00	0.00	0.10	25.00	26.00	41.00	19.00	30.00	49.00	51.00	35.00	29.00
OU2MW-07S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-07	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	40.00	6.00	31.00	36.00	43.00	40.00	35.00	31.00
Oxidation Reduction Potential (ORP)																						
GMP-02	-127	-106	-93	-124	-108	-91	-	-	-	-108	-	82	-	-	109	-	107	-	-	-	114	-
GMP-04	-119	-123	-118	-126	-141	-142	-	-	-	-139	-	-144	-	-	-132	-	-93	-	-	-	-59	-
GMP-01	-	-155	-138	-149	-159	-163	-	-	-	-156	-	-164	-	-	-160	-	-174	-	-	-	-168	-
OU2MW-06S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-06	-	-	-	-	-	-	-	-	-344	-	-104	-105	19	218	269	318	191	167	171	150	239	52
OU2MW-07S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-07	-	-	-	-	-	-	-	-	-	-	7	-	-	-	203	204	140	138	150	101	230	57
pH (std. units)																						
GMP-02	6.79	6.53	6.63	6.55	6.63	6.61	-	-	-	6.55	-	6.08	-	-	6.20	-	6.28	-	-	-	6.63	-
GMP-04	6.91	6.74	6.66	6.69	6.83	6.77	-	-	-	6.75	-	6.75	-	-	6.75	-	6.45	-	-	-	6.82	-
GMP-01	-	6.84	6.80	6.74	6.85	6.89	-	-	-	6.75	-	6.81	-	-	7.10	-	6.93	-	-	-	7.28	-
OU2MW-06S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-06	-	-	-	-	-	-	-	-	7.68	-	6.87	6.73	6.28	5.36	5.04	4.69	5.61	5.98	6.05	6.11	6.47	5.56
OU2MW-07S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-07	-	-	-	-	-	-	-	-	-	-	6.33	-	-	-	5.68	5.61	6.10	6.39	6.21	6.56	6.35	6.10
Temperature (deg C)																						
GMP-02	12.3	15.8	12.1	10.0	13.9	15.3	-	-	-	13.3	-	12.4	-	-	13.6	-	14.9	-	-	-	13.1	-
GMP-04	11.9	16.1	13.2	11.1	13.4	16.4	-	-	-	15.2	-	11.9	-	-	13.3	-	16.5	-	-	-	15.5	-
GMP-01	-	16.7	12.6	11.9	14.3	16.3	-	-	-	13.5	-	12.1	-	-	14.1	-	15.6	-	-	-	14.3	-
OU2MW-06S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-06	-	-	-	-	-	-	-	-	14.7	-	12.0	11.9	10.7	13.9	14.5	16.8	14.7	15.4	14.4	13.7	11.7	12.2
OU2MW-07S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU2MW-07	-	-	-	-	-	-	-	-	-	-	12.3	-	-	-	14.8	17.0	15.7	16.7	15.7	15.4	13.4	12.8

Notes:
 - Not Measured
 mS/cm - milli-siemens per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt



Table 3-2
 Summary of Groundwater Parameter Data
 Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Monitoring Well	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Conductivity (mS/cm)													
GMP-02	-	-	0.60	0.77	-	-	0.59	-	-	0.76	-	0.51	-
GMP-04	-	-	-	0.52	-	-	0.45	-	-	0.50	-	0.49	-
GMP-01	-	-	0.63	0.56	-	-	0.26	-	-	0.61	-	0.66	-
OU2MW-06S	-	-	-	-	0.29	-	0.17	0.14	0.22	0.17	0.22	0.20	-
OU2MW-06	0.44	0.33	0.33	0.28	-	0.23	0.31	0.10	0.32	0.31	0.27	0.31	0.44
OU2MW-07S	-	-	-	-	0.17	-	0.13	0.12	0.11	0.17	0.25	0.14	-
OU2MW-07	0.49	0.32	0.44	0.53	-	0.33	0.36	0.34	0.34	0.47	0.42	0.36	0.42
Dissolved Oxygen (mg/L)													
GMP-02	-	-	20.00	20.00	-	-	20.00	-	-	20.00	-	20.00	-
GMP-04	-	-	-	0.76	-	-	0.00	-	-	0.00	-	5.43	-
GMP-01	-	-	0.00	1.13	-	-	0.00	-	-	0.00	-	2.80	-
OU2MW-06S	-	-	-	-	15.72	-	4.01	8.00	15.00	16.00	16.00	8.00	-
OU2MW-06	20.00	28.00	35.00	30.00	-	23.00	23.00	23.00	30.00	32.00	40.00	25.00	16.00
OU2MW-07S	-	-	-	-	20.00	-	10.89	17.00	14.00	13.00	8.00	8.00	-
OU2MW-07	34.00	40.00	36.00	37.00	-	12.00	36.00	29.00	34.00	32.00	28.00	25.00	22.00
Oxidation Reduction Potential (ORP)													
GMP-02	-	-	8	164	-	-	130	-	-	346	-	138	-
GMP-04	-	-	-	-37	-	-	-31	-	-	-59	-	-1	-
GMP-01	-	-	-249	-168	-	-	-165	-	-	-129	-	-159	-
OU2MW-06S	-	-	-	-	349	-	186	196	358	133	208	159	-
OU2MW-06	-171	180	232	229	-	198	53	216	350	166	230	220	215
OU2MW-07S	-	-	-	-	399	-	169	175	206	210	192	190	-
OU2MW-07	-154	228	185	198	-	180	62	201	222	212	204	210	229
pH (std. units)													
GMP-02	-	-	6.05	6.30	-	-	6.08	-	-	5.73	-	6.41	-
GMP-04	-	-	-	6.44	-	-	7.05	-	-	6.55	-	5.96	-
GMP-01	-	-	6.71	6.94	-	-	7.81	-	-	6.96	-	7.27	-
OU2MW-06S	-	-	-	-	6.47	-	6.83	5.92	5.32	5.62	6.47	6.03	-
OU2MW-06	5.68	6.29	5.95	6.03	-	5.74	6.25	5.57	5.08	5.47	6.16	5.59	5.79
OU2MW-07S	-	-	-	-	5.88	-	5.84	5.46	5.77	5.76	6.47	5.65	-
OU2MW-07	6.03	6.52	5.95	6.19	-	5.83	6.62	5.56	5.87	6.01	6.43	5.74	5.84
Temperature (deg C)													
GMP-02	-	-	11.9	11.8	-	-	17.4	-	-	12.7	-	10.3	-
GMP-04	-	-	-	11.8	-	-	19.5	-	-	14.8	-	11.6	-
GMP-01	-	-	12.2	13.0	-	-	18.6	-	-	10.1	-	11.5	-
OU2MW-06S	-	-	-	-	18.8	-	20.9	18.9	11.5	7.0	4.8	6.1	-
OU2MW-06	7.5	11.8	18.6	18.0	-	18.3	16.5	17.3	11.8	9.2	8.1	9.3	13.5
OU2MW-07S	-	-	-	-	16.6	-	22.0	19.3	15.0	9.7	7.9	6.7	-
OU2MW-07	10.3	11.9	14.0	12.2	-	16.7	18.2	17.2	14.7	11.5	11.3	10.4	11.5

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 3-3
Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-01S	1/15/2008	14:13	2.00	19.65	6.87	12.78	
BBMW-01I	1/15/2008	14:09	2.00	19.23	6.46	12.77	
BBMW-01D	1/15/2008	14:05	2.00	19.20	6.41	12.79	
BBMW-02S	1/15/2008	13:47	2.00	16.83	4.98	11.85	
BBMW-02I	1/15/2008	13:48	2.00	16.96	5.11	11.85	
BBMW-02D	1/15/2008	13:45	2.00	17.13	5.29	11.84	
BBMW-03S	1/16/2008	9:45	2.00	11.33	3.41	7.92	
BBMW-03I	1/16/2008	9:46	2.00	11.19	3.30	7.89	
BBMW-03D	1/16/2008	9:48	2.00	11.24	3.32	7.92	
BBMW-04D	1/15/2008	14:30	2.00	19.75	5.55	14.20	
BBMW-07S	1/16/2008	8:38	2.00	12.80	7.17	5.63	
BBMW-07I	1/16/2008	8:39	2.00	12.60	7.03	5.57	
BBMW-07D	1/16/2008	8:41	2.00	12.58	6.96	5.62	
BBMW-15S	1/15/2008	13:32	2.00	15.92	5.35	10.57	
BBMW-15I	1/15/2008	13:34	2.00	15.82	5.28	10.54	
BBMW-15I2	1/15/2008	13:33	2.00	15.79	5.19	10.60	
BBMW-15D	1/15/2008	13:35	2.00	15.63	5.09	10.54	
BBMW-16S	1/15/2008	13:19	2.00	19.04	9.24	9.80	
BBMW-16I	1/15/2008	13:21	2.00	19.43	9.66	9.77	
BBMW-16D	1/15/2008	13:22	2.00	18.97	9.15	9.82	
BBMW-23S	1/15/2008	13:54	1.00	19.13	5.94	13.19	
BBMW-23I	1/15/2008	14:00	1.00	19.20	6.01	13.19	
BBMW-23D	1/15/2008	13:57	1.00	19.17	5.98	13.19	
BBMW-23D2	1/15/2008	14:02	2.00	18.61	5.45	13.16	
BBMW-24S	1/16/2008	8:23	1.00	18.14	7.28	10.86	
BBMW-24I	1/16/2008	8:24	1.00	18.01	7.19	10.82	
BBMW-24D	1/16/2008	8:31	1.00	17.76	6.88	10.88	
BBMW-25S	1/16/2008	10:22	1.00	12.80	4.43	8.37	
BBMW-25I	1/16/2008	10:25	1.00	12.79	4.48	8.31	
BBMW-25D	1/16/2008	10:27	1.00	12.70	4.24	8.46	
GM-03S	1/15/2008	12:57	1.25	15.70	6.06	9.64	
GM-03I	1/15/2008	12:59	1.25	15.61	5.97	9.64	
GM-03D	1/15/2008	13:00	1.25	15.78	6.11	9.67	
GM-05S	1/15/2008	9:53	1.25	5.73	2.75	2.98	
GM-05I	1/15/2008	9:54	1.25	5.92	2.70	3.22	
GM-05D	1/15/2008	9:55	1.25	7.87	0.33	7.54	
GM-06S	1/15/2008	13:10	1.25	9.52	6.13	3.39	
GM-06I	1/15/2008	13:12	1.25	9.56	6.17	3.39	
GM-06D	1/15/2008	13:13	1.25	9.66	6.28	3.38	
GM-07S	1/15/2008	11:47	1.25	10.61	8.07	2.54	
GM-07I	1/15/2008	11:50	1.25	10.53	8.03	2.50	
GM-07D	1/15/2008	11:52	1.25	10.75	8.20	2.55	
GM-08S	1/15/2008	10:57	1.25	3.90	2.82	1.08	
GM-08I	1/15/2008	10:58	1.25	4.05	3.01	1.04	
GM-08D	1/15/2008	10:59	1.25	3.91	2.82	1.09	
GM-09S	1/15/2008	11:29	1.25	3.22	2.26	0.96	
GM-09I	1/15/2008	11:30	1.25	3.41	2.49	0.92	
GM-09D	1/15/2008	11:31	1.25	3.09	2.14	0.95	
GM-10AD	1/15/2008	11:45	2.00	8.07	6.37	1.70	
GMP-01	1/15/2008	11:14	0.75	6.58	3.15	3.43	
GMP-02	1/15/2008	9:50	0.75	6.28	3.56	2.72	
GMP-04	1/15/2008	10:50	0.75	3.74	2.46	1.28	
MW-16AS	1/15/2008	13:29	2.00	16.16	5.24	10.92	
OU2-IW01S	1/15/2008	9:45	2.00	5.95	3.04	2.91	
OU2MW-01WT	1/16/2008	10:18	1.00	12.86	4.57	8.29	
OU2MW-01S	1/16/2008	10:15	2.00	12.41	4.29	8.12	
OU2MW-01I	1/16/2008	10:12	2.00	12.47	4.30	8.17	
OU2MW-01I2	1/16/2008	10:07	2.00	12.28	4.14	8.14	
OU2MW-01D	1/16/2008	10:11	2.00	12.35	2.77	9.58	

Table 3-3
Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU2MW-02S	1/16/2008	9:52	2.00	11.58	3.51	8.07	
OU2MW-02I	1/16/2008	9:54	2.00	11.59	3.49	8.10	
OU2MW-02I2	1/16/2008	9:58	2.00	11.74	3.66	8.08	
OU2MW-02D	1/16/2008	9:55	2.00	11.53	3.25	8.28	
OU2MW-03S	1/16/2008	9:31	2.00	11.23	4.61	6.62	
OU2MW-03I	1/16/2008	9:24	2.00	11.15	4.51	6.64	
OU2MW-03I2	1/16/2008	9:28	2.00	11.15	4.53	6.62	
OU2MW-03D	1/16/2008	9:25	2.00	11.14	2.86	8.28	
OU2MW-04WT	1/16/2008	9:02	1.00	10.34	3.93	6.41	
OU2MW-04S	1/16/2008	9:03	2.00	10.18	3.78	6.40	
OU2MW-04I	1/16/2008	9:10	2.00	10.10	3.68	6.42	
OU2MW-04I2	1/16/2008	8:56	2.00	10.05	3.66	6.39	
OU2MW-04D	1/16/2008	9:15	2.00	10.08	3.67	6.41	
OU2MW-05	1/15/2008	10:27	2.00	6.32	2.31	4.01	
OU2MW-06	1/15/2008	10:47	2.00	4.44	2.28	2.16	
OU2MW-06S	1/15/2008	10:46	2.00	4.83	2.67	2.16	
OU2MW-07	1/15/2008	10:41	2.00	5.34	3.32	2.02	
OU2MW-07S	1/15/2008	10:40	2.00	5.47	3.43	2.04	
OU2MW-08WT	1/16/2008	--	2.00	14.93	6.42	8.51	
OU2MW-08S	1/16/2008	14:35	2.00	14.77	6.25	8.52	
OU2MW-08I	1/16/2008	14:33	2.00	14.70	6.14	8.56	
OU2MW-08I2	1/16/2008	14:32	2.00	14.78	6.26	8.52	
OU2MW-08D	1/16/2008	14:30	2.00	14.87	5.53	9.34	
OU2MW-09S	1/16/2008	8:42	2.00	11.26	3.33	7.93	
OU2MW-10S	1/15/2008	9:25	2.00	5.31	2.89	2.42	
OU2MW-10I	1/15/2008	9:27	2.00	5.42	3.00	2.42	
OU2MW-10D	1/15/2008	9:26	2.00	5.43	3.05	2.38	
OU2MW-11S	1/15/2008	10:16	2.00	6.69	3.04	3.65	
OU2MW-11I	1/15/2008	10:17	2.00	6.72	3.05	3.67	
OU2MW-11I2	1/15/2008	10:18	2.00	6.53	2.85	3.68	
OU2MW-11D	1/15/2008	10:19	2.00	6.65	3.02	3.63	
OU2MW-12S	1/15/2008	10:02	2.00	5.70	2.65	3.05	
OU2MW-12I	1/15/2008	10:04	2.00	5.73	2.65	3.08	
OU2MW-12I2	1/15/2008	10:03	2.00	5.81	2.84	2.97	
OU2MW-12D	1/15/2008	10:05	2.00	5.59	2.53	3.06	
OU2MW-13S	1/15/2008	10:33	2.00	4.78	2.62	2.16	
OU2MW-13I	1/15/2008	10:34	2.00	4.81	2.73	2.08	
OU2MW-13D	1/15/2008	10:35	2.00	4.94	2.94	2.00	
OU2MW-14S	1/17/2008	6:58	1.00	14.58	6.82	7.76	
OU2MW-15S	1/15/2008	9:18	2.00	4.80	2.35	2.45	
OU2MW-15I	1/15/2008	9:16	2.00	5.09	2.66	2.43	
OU2MW-15I2	1/15/2008	9:14	2.00	5.13	2.72	2.41	
OU2MW-15D	1/15/2008	9:10	2.00	5.21	2.75	2.46	
OU2MW-16S	1/15/2008	9:34	2.00	5.44	2.85	2.59	
OU2MW-16I	1/15/2008	9:35	2.00	5.31	2.75	2.56	
OU2MW-16I2	1/15/2008	9:36	2.00	5.31	2.80	2.51	
OU2MW-16D	1/15/2008	9:37	2.00	5.61	3.05	2.56	
BBSW-06*	1/16/2008	10:37	NA	2.08	3.55	-1.47	Boat Basin
BBSW-07*	1/16/2008	10:34	NA	6.83	1.95	4.88	Weir

Notes:

- 1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum
- NS - 2007 Survey Data Not Available
- MSL - Mean Sea Level
- * - Surface Water Gauging Stations
- not available

Table 3-4
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)														
		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	Feb-05
BBMW-01S	5.0 - 15.0	NM	NM	12.33	NM	12.49	NM	12.70	13.34	13.09	12.38	12.67	14.11	12.10	12.51	13.16
BBMW-01I	32.0 - 42.0	NM	NM	12.29	NM	12.47	NM	12.69	13.32	13.07	12.35	12.65	14.09	12.08	12.49	13.14
BBMW-01D	68.5 - 78.5	NM	NM	12.33	NM	12.47	NM	12.75	14.40	13.12	12.37	12.68	14.14	12.11	12.51	13.16
BBMW-02S	5.0 - 15.0	NM	NM	11.45	11.29	11.34	NM	11.85	12.35	12.08	11.42	NM	13.10	11.16	11.52	NM
BBMW-02I	30.0 - 40.0	NM	NM	11.42	11.26	11.32	NM	11.83	12.33	12.07	11.41	NM	13.08	11.15	11.50	NM
BBMW-02D	73.0 - 83.0	NM	NM	11.40	11.24	11.30	NM	11.81	NM	12.05	11.38	NM	13.08	11.12	11.48	NM
BBMW-03S	3.0 - 13.0	NM	NM	7.61	7.51	7.54	NM	8.05	8.23	8.25	7.46	7.74	9.01	7.42	7.72	8.25
BBMW-03I	30.0 - 40.0	NM	NM	7.60	7.52	7.53	NM	8.03	8.24	8.24	7.48	7.73	8.97	7.41	7.72	8.24
BBMW-03D	52.0 - 62.0	NM	NM	7.62	7.52	7.58	NM	8.08	8.27	8.26	7.45	7.77	8.99	7.44	7.75	8.26
BBMW-04D	63.0 - 73.0	NM	NM	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54	13.96	15.48	13.38	13.84	14.51
BBMW-07S	5.0 - 15.0	NM	NM	5.29	5.16	5.58	NM	5.90	6.05	5.92	5.45	NM	6.83	5.27	5.71	5.98
BBMW-07I	30.0 - 40.0	NM	NM	5.28	5.13	5.60	NM	5.92	6.06	5.91	5.44	NM	6.83	5.26	5.72	5.98
BBMW-07D	55.0 - 65.0	NM	NM	5.29	5.14	5.59	NM	5.92	NM	5.91	5.47	NM	6.82	5.27	5.73	5.98
BBMW-15S	5.0 - 15.0	NM	NM	10.21	10.06	10.10	NM	10.57	10.93	10.71	10.15	10.46	11.72	9.86	10.18	10.84
BBMW-15I	35.0 - 45.0	NM	NM	10.06	10.02	10.07	NM	10.49	10.91	10.69	10.09	10.45	11.71	9.84	10.16	10.81
BBMW-15I2	23.0 - 28.0	NM	NM	10.14	9.89	9.93	NM	10.37	10.84	10.63	10.10	10.39	11.66	9.81	10.16	10.80
BBMW-15D	70.0 - 80.0	NM	NM	10.16	10.01	10.06	NM	10.49	10.87	10.67	10.10	10.40	11.76	9.82	10.15	10.80
BBMW-16S	5.0 - 15.0	NM	NM	9.40	NM	NM	NM	12.82	NM	10.07	9.53	9.67	10.79	9.28	9.73	10.15
BBMW-16I	35.0 - 45.0	NM	NM	9.43	NM	NM	NM	9.85	10.28	10.10	9.56	9.70	10.82	9.32	9.76	10.15
BBMW-16D	68.0 - 78.0	NM	NM	9.42	NM	NM	NM	9.88	10.32	10.12	9.58	9.73	10.86	9.31	9.75	10.18
BBMW-23S	5.0 - 15.0	NM	NM	NM	NM	12.58	NM	13.16	13.78	13.51	12.80	13.09	14.55	12.51	12.93	NM
BBMW-23I	33.0 - 43.0	NM	NM	NM	NM	12.62	NM	13.15	13.78	13.50	12.79	13.08	14.55	12.50	12.93	NM
BBMW-23D	49.5 - 59.5	NM	NM	NM	NM	12.54	NM	13.16	13.78	13.52	12.80	13.10	14.55	12.53	12.94	NM
BBMW-23D2	63.0 - 73.0	NM	NM	NM	NM	12.80	NM	13.19	13.81	13.46	12.82	13.10	14.57	12.52	12.96	NM
BBMW-24S	4.0 - 14.0	NM	NM	NM	NM	10.36	NM	10.83	11.36	11.17	10.49	10.74	12.15	10.23	10.61	11.20
BBMW-24I	32.0 - 42.0	NM	NM	NM	NM	10.35	NM	10.83	11.36	11.15	10.48	10.74	12.15	10.22	10.60	11.20
BBMW-24D	59.5 - 69.5	NM	NM	NM	NM	10.36	NM	10.82	11.36	11.15	10.49	10.75	12.16	10.24	10.61	11.19
BBMW-25S	4.0 - 14.0	NM	NM	NM	NM	7.33	NM	7.85	8.22	8.03	7.32	7.60	8.98	7.23	7.62	8.13
BBMW-25I	25.0 - 35.0	NM	NM	NM	NM	7.36	NM	7.87	8.25	8.04	7.35	7.63	8.99	7.25	7.64	8.16
BBMW-25D	62.0 - 72.0	NM	NM	NM	NM	7.35	NM	NM	8.22	7.98	7.28	7.56	8.92	7.18	7.55	8.08
GM-03S	6.78 - 21.78	8.95	9.13	9.34	NM	9.53	NM	9.68	10.00	10.02	9.39	9.59	10.83	9.14	9.53	NM
GM-03I	30.03 - 45.03	8.88	8.95	9.18	NM	9.35	NM	9.51	9.84	9.83	9.22	9.42	10.67	8.97	9.36	NM
GM-03D	53.18 - 68.18	9.07	9.16	9.27	NM	9.45	NM	9.63	9.93	9.94	9.32	9.53	10.77	9.07	9.46	NM
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NM	3.35	2.80	3.21	2.62	2.49	3.74	2.68	3.36	3.31
GM-05I	35.05 - 48.05	2.28	2.69	2.59	2.62	3.37	NM	3.50	2.99	3.36	2.72	2.64	3.90	2.81	3.49	3.42
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NM	7.03	NM	7.42	7.51	7.50	6.83	7.18	NM	8.97	7.58	7.72
GM-06S	8.97 - 23.97	2.59	2.96	3.08	2.89	3.46	NM	3.77	3.72	3.70	3.33	2.90	4.58	3.14	3.69	3.73
GM-06I	35.40 - 40.40	2.60	2.97	3.08	2.93	3.57	NM	3.86	3.73	3.77	3.54	3.47	4.59	3.16	3.70	3.74
GM-06D	60.05 - 75.05	2.71	2.96	3.07	2.92	3.49	NM	3.79	3.73	3.72	3.35	2.91	4.58	3.15	3.70	3.74
GM-07S	9.75 - 24.75	1.40	2.17	2.15	2.01	2.49	NM	2.64	2.53	2.73	2.56	2.01	3.34	2.34	3.01	2.80
GM-07I	29.6 - 44.6	1.32	2.16	2.14	2.00	2.52	NM	2.85	2.52	2.75	2.57	2.06	3.35	2.32	3.00	2.79
GM-07D	50.3 - 65.3	1.52	2.17	2.14	NM	2.54	NM	2.67	2.58	3.76	2.58	2.04	3.36	2.33	3.02	2.81
GM-08S	6.35 - 21.35	0.37	0.64	0.54	0.61	1.34	NM	1.43	0.54	1.22	0.72	0.62	1.41	1.08	1.74	1.46
GM-08I	29.95 - 44.95	0.53	0.64	0.54	0.64	1.34	NM	1.45	0.56	1.22	0.71	0.63	1.11	1.09	1.76	1.46
GM-08D	48.25 - 63.25	0.26	0.67	0.55	0.62	1.38	NM	1.47	0.56	1.26	0.73	0.65	1.48	1.14	1.77	1.48
GM-09S	4.7 - 19.7	0.45	0.45	0.47	0.37	1.23	NM	0.81	0.43	0.66	0.92	0.27	1.15	0.66	1.41	1.17
GM-09I	28.7 - 43.7	0.64	0.46	0.46	0.38	1.13	NM	0.78	0.44	0.66	0.91	0.27	1.17	0.67	1.43	1.17
GM-09D	48.35 - 63.35	0.02	0.47	0.45	0.41	1.24	NM	0.80	0.45	0.69	0.93	0.31	1.16	0.67	1.41	1.17
GM-10AD	unknown	NM	NM	NM	1.12	1.86	NM	1.92	1.62	1.82	1.76	1.08	2.43	1.51	2.20	1.92
GMP-01	25.0 - 30.0	NM	NM	NM	2.97	3.65	NM	3.78	3.26	3.66	3.07	3.04	4.18	3.15	3.78	3.73
GMP-02	18.0 - 23.0	NM	NM	NM	2.25	2.95	NM	3.05	2.44	2.91	2.36	2.24	3.37	2.40	3.15	3.04
GMP-04	15.5 - 20.5	NM	NM	NM	0.96	1.46	NM	1.18	0.47	1.40	1.01	1.11	1.17	0.93	2.11	1.72
MW-16AS	3.0 - 13.0	NM	NM	10.45	10.30	10.36	NM	10.82	11.21	10.99	10.44	NM	12.00	10.10	10.44	11.10

Table 3-4
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)													Minimum	Average	Maximum
		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				
BBMW-01S	5.0 - 15.0	13.03	11.91	13.41	13.36	12.95	12.64	14.10	13.03	13.36	12.63	11.91	12.78	11.91	12.87	14.11	
BBMW-01I	32.0 - 42.0	13.01	11.89	13.49	13.34	12.94	12.63	13.09	13.01	13.34	12.62	11.90	12.77	11.89	12.81	14.09	
BBMW-01D	68.5 - 78.5	13.07	11.92	13.50	13.36	12.96	12.64	13.10	13.02	13.38	12.64	11.91	12.79	11.91	12.88	14.40	
BBMW-02S	5.0 - 15.0	12.06	10.99	12.45	12.36	12.00	11.62	12.12	12.07	12.35	11.56	11.00	11.85	10.99	11.82	13.10	
BBMW-02I	30.0 - 40.0	12.03	10.96	12.43	12.32	11.95	11.59	12.08	12.02	12.35	11.55	11.00	11.85	10.96	11.80	13.08	
BBMW-02D	73.0 - 83.0	12.01	10.93	12.41	12.31	11.95	11.58	12.06	12.02	12.33	11.54	10.98	11.84	10.93	11.75	13.08	
BBMW-03S	3.0 - 13.0	8.09	7.36	8.43	8.29	8.00	7.65	8.19	8.02	8.27	7.71	7.36	7.92	7.36	7.92	9.01	
BBMW-03I	30.0 - 40.0	8.09	7.75	8.82	8.29	8.00	7.64	7.99	8.01	8.28	7.71	7.37	7.89	7.37	7.94	8.97	
BBMW-03D	52.0 - 62.0	8.12	7.35	8.44	8.31	8.03	NM	8.14	8.05	8.32	7.74	7.38	7.92	7.35	7.95	8.99	
BBMW-04D	63.0 - 73.0	14.39	13.18	14.96	14.67	14.31	14.01	14.48	14.39	NM	NM	13.28	14.20	12.03	14.02	15.48	
BBMW-07S	5.0 - 15.0	5.80	5.12	6.29	NM	5.75	5.52	5.89	5.63	NM	NM	4.18	5.63	4.18	5.65	6.83	
BBMW-07I	30.0 - 40.0	5.83	5.13	6.29	NM	5.76	5.53	5.91	5.63	NM	NM	5.16	5.57	5.13	5.70	6.83	
BBMW-07D	55.0 - 65.0	5.82	5.11	6.29	NM	5.77	5.51	5.94	5.64	NM	NM	5.15	5.62	5.11	5.68	6.82	
BBMW-15S	5.0 - 15.0	10.69	9.71	11.09	10.98	10.66	10.23	10.75	10.71	11.01	10.26	9.81	10.57	9.71	10.51	11.72	
BBMW-15I	35.0 - 45.0	10.67	9.66	11.03	10.91	10.61	10.18	10.73	10.66	10.98	10.27	9.78	10.54	9.66	10.47	11.71	
BBMW-15I2	23.0 - 28.0	10.60	9.66	11.05	10.93	10.62	10.21	10.73	10.67	10.98	10.19	9.77	10.60	9.66	10.45	11.66	
BBMW-15D	70.0 - 80.0	10.63	9.66	11.04	10.92	10.62	10.19	10.71	10.67	10.96	10.22	9.77	10.54	9.66	10.47	11.76	
BBMW-16S	5.0 - 15.0	10.05	9.04	10.45	10.30	10.00	14.62	10.10	10.02	10.28	9.56	9.14	9.80	9.04	10.23	14.62	
BBMW-16I	35.0 - 45.0	10.08	9.05	10.47	10.33	10.02	9.63	10.14	10.06	10.32	9.58	9.16	9.77	9.05	9.89	10.82	
BBMW-16D	68.0 - 78.0	10.06	9.03	10.46	10.32	10.01	9.62	10.12	10.06	10.32	9.56	9.15	9.82	9.03	9.89	10.86	
BBMW-23S	5.0 - 15.0	13.46	12.32	14.00	13.78	13.37	13.06	13.52	13.48	13.76	10.35	12.31	13.19	10.35	13.12	14.55	
BBMW-23I	33.0 - 43.0	13.46	12.31	13.92	13.79	13.38	13.07	13.51	13.47	13.76	10.48	12.31	13.19	10.48	13.12	14.55	
BBMW-23D	49.5 - 59.5	13.47	12.32	13.95	13.79	13.39	13.08	13.53	13.49	13.81	10.29	12.28	13.19	10.29	13.12	14.55	
BBMW-23D2	63.0 - 73.0	13.47	12.32	13.93	13.78	13.38	13.07	13.52	13.48	13.76	10.31	12.31	13.16	10.31	13.13	14.57	
BBMW-24S	4.0 - 14.0	11.09	10.04	11.53	11.39	11.02	10.67	11.09	11.06	11.41	9.41	10.12	10.86	9.41	10.86	12.15	
BBMW-24I	32.0 - 42.0	11.09	10.02	11.51	11.37	10.99	10.66	11.07	11.04	11.43	9.44	10.11	10.82	9.44	10.85	12.15	
BBMW-24D	59.5 - 69.5	11.09	10.03	11.52	11.38	11.03	10.67	11.10	11.07	11.43	9.44	10.13	10.88	9.44	10.86	12.16	
BBMW-25S	4.0 - 14.0	8.01	7.64	8.99	8.84	8.49	NM	8.55	8.53	8.84	NM	7.78	8.37	7.23	8.12	8.99	
BBMW-25I	25.0 - 35.0	8.02	7.66	8.99	8.84	8.49	NM	8.55	8.55	8.86	NM	NC	NC	7.25	8.14	8.99	
BBMW-25D	62.0 - 72.0	7.97	NM	8.99	NM	8.49	NM	8.55	8.52	8.83	NM	7.76	8.46	7.18	8.10	8.99	
GM-03S	6.78 - 21.78	9.96	8.94	10.42	10.26	9.90	9.53	9.97	9.92	10.18	9.44	8.97	9.64	8.94	9.68	10.83	
GM-03I	30.03 - 45.03	9.80	8.76	10.24	10.09	9.73	9.36	9.80	9.75	10.17	9.43	8.98	9.64	8.76	9.54	10.67	
GM-03D	53.18 - 68.18	9.95	8.86	10.34	10.19	9.83	9.47	9.90	9.86	10.19	9.46	8.97	9.67	8.86	9.64	10.77	
GM-05S	5.1 - 20.1	2.91	2.65	3.34	3.01	3.00	2.85	3.06	2.82	3.08	2.94	2.59	2.98	2.12	2.91	3.74	
GM-05I	35.05 - 48.05	3.03	2.76	3.49	3.15	3.13	2.97	3.18	2.96	3.21	3.08	2.71	3.22	2.28	3.05	3.90	
GM-05D	60.95 - 75.95	7.50	6.56	7.87	7.81	8.23	8.72	7.61	7.59	7.76	6.96	6.83	7.54	6.56	7.62	9.04	
GM-06S	8.97 - 23.97	3.52	3.06	4.10	3.69	3.50	3.48	3.79	3.29	3.73	3.44	3.07	3.39	2.59	3.45	4.58	
GM-06I	35.40 - 40.40	3.57	3.08	4.10	3.70	3.52	3.48	3.80	3.30	3.75	3.45	3.08	3.39	2.60	3.50	4.59	
GM-06D	60.05 - 75.05	3.54	3.07	4.11	3.70	3.52	3.48	3.79	3.30	3.74	3.45	3.08	3.38	2.71	3.46	4.58	
GM-07S	9.75 - 24.75	2.58	2.36	3.04	2.63	2.64	2.60	2.88	2.42	2.71	2.62	2.30	2.54	1.40	2.52	3.34	
GM-07I	29.6 - 44.6	2.63	2.34	3.03	2.62	2.64	2.59	2.87	2.41	2.69	2.60	2.30	2.50	1.32	2.52	3.35	
GM-07D	50.3 - 65.3	2.63	2.34	3.44	2.62	2.65	2.61	2.87	2.43	2.70	2.61	2.31	2.55	1.52	2.61	3.76	
GM-08S	6.35 - 21.35	0.83	0.89	1.35	0.95	1.04	1.01	1.06	0.79	0.96	1.02	0.72	1.08	0.37	0.98	1.74	
GM-08I	29.95 - 44.95	0.86	0.91	1.35	0.96	1.04	1.02	1.06	0.79	0.97	1.02	0.73	1.04	0.53	0.98	1.76	
GM-08D	48.25 - 63.25	0.88	0.93	1.39	0.96	1.03	1.02	1.06	0.79	0.96	1.02	0.62	1.09	0.26	0.99	1.77	
GM-09S	4.7 - 19.7	0.74	0.65	0.94	0.62	0.79	0.81	0.88	0.58	0.75	0.95	0.72	0.96	0.27	0.76	1.41	
GM-09I	28.7 - 43.7	0.74	0.65	0.95	0.63	0.80	0.83	0.89	0.60	0.76	0.96	0.73	0.92	0.27	0.77	1.43	
GM-09D	48.35 - 63.35	0.75	0.65	0.96	0.64	0.79	0.82	0.89	0.59	0.76	0.96	0.72	0.95	0.02	0.76	1.41	
GM-10AD	unknown	1.41	1.57	2.08	1.67	1.72	1.74	NM	1.43	1.76	1.80	1.50	1.70	1.08	1.71	2.43	
GMP-01	25.0 - 30.0	3.35	3.08	3.77	3.47	3.44	3.28	3.47	3.33	3.50	3.33	3.00	3.43	2.97	3.42	4.18	
GMP-02	18.0 - 23.0	2.58	2.41	3.03	2.69	2.70	2.57	2.73	2.59	2.74	2.55	2.30	2.72	2.24	2.69	3.37	
GMP-04	15.5 - 20.5	1.02	1.37	1.73	1.19	1.23	1.42	1.09	1.51	1.06	1.63	1.41	1.28	0.47	1.28	2.11	
MW-16AS	3.0 - 13.0	10.96	9.93	11.34	11.23	10.92	10.48	11.02	10.98	11.27	10.47	10.11	10.92	9.93	10.78	12.00	

Table 3-4
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)												
		Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Minimum	Average	Maximum
OU2-IW01S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.50	2.91	2.50	2.71	2.91
OU2MW-01WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.74	8.29	7.74	8.02	8.29
OU2MW-01S	20.0 - 25.0	8.79	8.62	8.30	NM	8.37	8.30	8.58	NM	7.56	8.12	7.56	8.33	8.79
OU2MW-01I	35.0 - 40.0	8.82	8.65	8.28	NM	9.96	8.32	8.61	NM	7.56	8.17	7.56	8.55	9.96
OU2MW-01I2	50.0 - 55.0	8.78	8.62	8.30	NM	8.36	8.40	8.59	NM	7.55	8.14	7.55	8.34	8.78
OU2MW-01D	65.0 - 70.0	10.24	10.16	9.79	NM	8.23	9.89	10.06	NM	8.95	9.58	8.23	9.61	10.24
OU2MW-02S	20.0 - 25.0	8.68	8.66	8.21	NM	8.31	8.31	8.51	NM	7.50	8.07	7.50	8.28	8.68
OU2MW-02I	35.0 - 40.0	8.68	8.52	8.22	NM	8.26	8.23	8.51	NM	7.52	8.10	7.52	8.26	8.68
OU2MW-02I2	50.0 - 55.0	8.67	8.51	8.21	NM	8.25	8.22	8.51	NM	7.10	8.08	7.10	8.19	8.67
OU2MW-02D	65.0 - 70.0	8.87	8.74	8.41	NM	8.47	8.42	8.68	NM	7.71	8.28	7.71	8.45	8.87
OU2MW-03S	20.0 - 25.0	7.23	7.01	6.73	NM	6.80	6.69	7.01	NM	6.12	6.62	6.12	6.78	7.23
OU2MW-03I	35.0 - 40.0	7.25	7.03	6.75	NM	6.84	6.71	7.03	NM	6.14	6.64	6.14	6.80	7.25
OU2MW-03I2	50.0 - 55.0	7.23	7.01	6.74	NM	6.79	6.69	7.02	NM	6.12	6.62	6.12	6.78	7.23
OU2MW-03D	65.0 - 70.0	8.99	8.95	8.63	NM	6.75	8.85	8.95	NM	7.91	8.28	6.75	8.41	8.99
OU2MW-04WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	5.91	6.41	5.91	6.16	6.41
OU2MW-04S	20.0 - 25.0	6.97	6.73	6.49	6.19	6.60	6.41	6.75	6.25	5.93	6.40	5.93	6.47	6.97
OU2MW-04I	35.0 - 40.0	6.97	6.73	6.49	6.19	6.61	6.45	6.76	6.28	5.94	6.42	5.94	6.48	6.97
OU2MW-04I2	50.0 - 55.0	6.96	6.72	6.49	NM	6.57	6.43	6.74	6.26	5.90	6.39	5.90	6.50	6.96
OU2MW-04D	65.0 - 70.0	6.99	6.75	6.51	NM	6.60	6.47	6.77	6.28	6.06	6.41	6.06	6.54	6.99
OU2MW-05	25.0 - 35.0	4.44	4.16	4.09	3.93	4.16	3.97	4.21	3.97	3.54	4.01	3.54	4.05	4.44
OU2MW-06	25.0 - 35.0	2.57	2.17	2.21	2.17	2.17	2.21	2.17	2.22	2.03	2.16	2.03	2.21	2.57
OU2MW-06S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.05	2.16	2.05	2.11	2.16
OU2MW-07	15.0 - 25.0	2.37	1.98	2.00	2.03	1.90	2.08	1.89	2.02	1.93	2.02	1.89	2.02	2.37
OU2MW-07S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	1.96	2.04	1.96	2.00	2.04
OU2MW-08WT	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.87	8.51	7.87	8.19	8.51
OU2MW-08S	20.0 - 25.0	9.07	8.92	8.61	8.26	8.66	8.66	8.96	8.28	7.85	8.52	7.85	8.58	9.07
OU2MW-08I	35.0 - 40.0	9.08	8.92	8.62	8.27	8.67	8.66	8.97	8.29	7.87	8.56	7.87	8.59	9.08
OU2MW-08I2	50.0 - 55.0	9.12	8.95	8.66	8.30	8.71	8.70	8.99	8.32	7.89	8.52	7.89	8.62	9.12
OU2MW-08D	65.0 - 70.0	9.89	9.79	9.45	9.01	9.55	9.52	9.83	9.06	8.69	9.34	8.69	9.41	9.89
OU2MW-09S	20.0 - 30.0	8.42	8.28	7.99	NM	8.04	8.02	8.27	7.71	7.37	7.93	7.37	8.00	8.42
OU2MW-10S	3.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	2.00	2.42	2.00	2.21	2.42
OU2MW-10I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	2.01	2.42	2.01	2.22	2.42
OU2MW-10D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	1.99	2.38	1.99	2.19	2.38
OU2MW-11S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	3.29	3.65	3.29	3.47	3.65
OU2MW-11I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	3.26	3.67	3.26	3.47	3.67
OU2MW-11I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	3.24	3.68	3.24	3.46	3.68
OU2MW-11D	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	3.23	3.63	3.23	3.43	3.63
OU2MW-12S	3.0 - 7.0	NM	NM	NM	NM	NM	NM	NM	NM	2.64	3.05	2.64	2.85	3.05
OU2MW-12I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	2.70	3.08	2.70	2.89	3.08
OU2MW-12I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	2.70	2.97	2.70	2.84	2.97
OU2MW-12D	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	2.67	3.06	2.67	2.87	3.06
OU2MW-13S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	1.82	2.16	1.82	1.99	2.16
OU2MW-13I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	1.79	2.08	1.79	1.94	2.08
OU2MW-13D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	1.79	2.00	1.79	1.90	2.00
OU2MW-14S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	7.64	7.76	7.64	7.70	7.76
OU2MW-15S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.04	2.45	2.04	2.25	2.45
OU2MW-15I	20.0 - 25.0	NM	NM	NM	NM	NM	NM	NM	NM	2.05	2.43	2.05	2.24	2.43
OU2MW-15I2	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	2.06	2.41	2.06	2.24	2.41
OU2MW-15D	40.0 - 45.0	NM	NM	NM	NM	NM	NM	NM	NM	2.06	2.46	2.06	2.26	2.46
OU2MW-16S	3.0 - 8.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.59	2.14	2.37	2.59
OU2MW-16I	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	2.12	2.56	2.12	2.34	2.56
OU2MW-16I2	25.0 - 30.0	NM	NM	NM	NM	NM	NM	NM	NM	2.13	2.51	2.13	2.32	2.51
OU2MW-16D	35.0 - 40.0	NM	NM	NM	NM	NM	NM	NM	NM	2.14	2.56	2.14	2.35	2.56

Notes:

NM - Not Measured

bgs- below ground surface

Well Elevations obtained from 2007 Survey and reference NVGD88 datum

Table 3-5
 Summary of Historic Total BTEX Groundwater Analytical Results
 Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)																
		Sampling Date																
		1992	1999	2002				2003				2004				2005		
		Sept	Oct/Nov	Jan/Feb	Apr/May	June/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
BBMW-01D*	68.5 - 78.5	--	214	--	542	--	--	--	1,294	1,193	293	265	304	94	191	585	112	32
BBMW-01I*	32.0 - 42.0	--	3	--	222	--	230	710	460	350	190	170	170	93	220	230	120	120
BBMW-01S*	5.0 - 15.0	--	710	--	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-02D	73.0 - 83.0	--	21	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	7	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02S	5.0 - 15.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	35.0 - 45.0	--	473	--	2	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15I2	23.0 - 28.0	--	47	--	0	--	0	0	--	--	0	--	--	--	0	--	--	--
BBMW-15S	5.0 - 15.0	--	0	--	0	--	0	0	--	--	0	--	--	--	0	0	--	--
BBMW-16D	68.0 - 78.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	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	--	--	--
BBMW-23I*	33.0 - 43.0	--	--	--	--	0	--	0	0	0	0	0	0	0	--	0	0	--
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-24D	59.5 - 69.5	--	--	--	1,102	--	--	1,005	837	1,389	1,420	590	194	183	666	799	658	--
BBMW-24I	32.0 - 42.0	--	--	--	264	--	533	612	774	833	96	82	2,408	2,068	477	1,290	175	--
BBMW-24S	4.0 - 14.0	--	--	--	14	--	0	0	0	0	0	0	0	0	0	0	0	--
GM-03D	53.18 - 68.18	175	0	0	0	--	--	0	--	--	0	--	0	--	0	--	0	--
GM-03I	30.03 - 45.03	7	26	7	135	--	--	0	--	--	879	--	--	--	0	--	137	--
GM-03S	6.78 - 21.78	41	70	4	36	--	--	32	--	--	229	--	--	128	40	--	103	133
MW-16AS	3.0 - 13.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	181	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,210	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-5
 Summary of Historic Total BTEX Groundwater Analytical Results
 Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)													
		Sampling Date													
		2006				2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
	March	June	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar						
BBMW-01D*	68.5 - 78.5	24	216	462	109	32	555	386	9	43	9	1,294	346	9	1,294
BBMW-01I*	32.0 - 42.0	43	94	110	110	77	156	375	274	262	3	710	206	3	710
BBMW-01S*	5.0 - 15.0	273	59	1,361	2,329	949	3,640	7420	5590	4210	59	7,420	2,179	59	7,420
BBMW-02D	73.0 - 83.0	--	--	--	--	0	0	0	0	0	0	21	4	0	21
BBMW-02I	30.0 - 40.0	--	--	--	--	0	0	0	0	0	0	7	1	0	7
BBMW-02S	5.0 - 15.0	--	--	--	--	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-15I	35.0 - 45.0	--	--	0	--	0	0	0	0	0	0	473	43	0	473
BBMW-15I2	23.0 - 28.0	--	--	0	--	0	0	0	0	0	0	47	4	0	47
BBMW-15S	5.0 - 15.0	0	0	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
BBMW-16I	35.0 - 45.0	--	--	--	--	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-23D*	49.5 - 59.5	729	467	509	579	519	96	1324	660	493	0	1,324	307	0	1,324
BBMW-23D2*	63.0 - 73.0	0	--	--	--	0	0	0	0	0	0	97	17	0	97
BBMW-23I*	33.0 - 43.0	0	0	0	0	0	0	19	10	0	0	19	2	0	19
BBMW-23S*	5.0 - 15.0	7,450	4,070	6,558	120	12,332	18,185	19818	14940	26389	120	43,650	16,484	120	43,650
BBMW-24D	59.5 - 69.5	--	367	--	647	662	0	7	4	176	0	1,420	619	0	1,420
BBMW-24I	32.0 - 42.0	--	519	--	183	116	115	277	9	0	9	2,408	602	0	2,408
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	14	1	0	14
GM-03D	53.18 - 68.18	--	--	--	--	0	0	0	0	0	0	175	13	0	175
GM-03I	30.03 - 45.03	196	0	0	0	0	78	190	129	245	0	879	112	0	879
GM-03S	6.78 - 21.78	19	126	177	69	116	0	0	0	0	0	229	74	0	229
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-08I	35.0 - 40.0	527	196	355	201	167	521	481	196	88	167	527	314	88	527
OU2MW-08I2	50.0 - 55.0	172	272	590	582	249	101	120	545	369	101	590	305	101	590
OU2MW-08S	20.0 - 25.0	617	1,456	1,641	829	378	226	305	332	1088	226	2,210	888	226	2,210
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

The BBMW-01 and BBMW-23 clusters are sampled on a monthly basis. This table reports the highest concentration detected from the three sampling events this quarter.

Table 3-6
 Summary of Historic Total PAH Groundwater Analytical Results
 Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)													
		Sampling Date													
		1992		1999		2002				2003			2004		
Sept	Sept	Oct/Nov	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec		
BBMW-01D*	68.5 - 78.5	--	--	1,605	--	4,566	--	--	--	4,911	4,543	1,460	1,800	1,359	429
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
BBMW-01S*	5.0 - 15.0	--	--	2,055	--	3,420	--	2,823	600	1,102	1,730	2,077	1,394	869	1,565
BBMW-02D	73.0 - 83.0	--	--	2	--	0	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--
BBMW-02S	5.0 - 15.0	--	--	2	--	0	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--
BBMW-15I	35.0 - 45.0	--	--	30	--	0	--	0	0	--	--	0	--	--	--
BBMW-15I2	23.0 - 28.0	--	--	3	--	0	--	0	0	--	--	0	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	--	0	0	--	--	0	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D*	49.5 - 59.5	--	--	--	--	--	741	802	910	1,203	1,562	468	400	1,081	931
BBMW-23D2*	63.0 - 73.0	--	--	--	--	--	36	--	0	120	0	0	--	0	--
BBMW-23I*	33.0 - 43.0	--	--	--	--	--	0	--	178	0	61	0	0	0	0
BBMW-23S*	5.0 - 15.0	--	--	--	--	--	2,397	2,681	1,400	2,319	2,383	1,288	1,733	2,220	599
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	--	6,000	5,800	8,110	3,194	1,070	360	392
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	--	11,246	6,000	6,400	4,815	4,782	5,284	7,679	8,053
BBMW-24S	4.0 - 14.0	--	--	--	--	11	--	0	0	0	908	0	120	0	0
GM-03D	53.18 - 68.18	661	1,238	0	1	1	--	--	31	--	--	0	--	0	--
GM-03I	30.03 - 45.03	350	0	21	12	273	--	--	149	--	--	898	--	--	--
GM-03S	6.78 - 21.78	196	6	6	4	37	--	--	510	--	--	100	--	--	182
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-6
 Summary of Historic Total PAH Groundwater Analytical Results
 Upgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)																	
		Sampling Date												2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2005				2006				2007									
Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Minimum	Maximum	Average	Minimum	Maximum		
BBMW-01D*	68.5 - 78.5	821	2,832	50	251	349	863	2,250	425	195	2,090	1,248	50	55	50	4,911	1,605	50	4,911
BBMW-01I*	32.0 - 42.0	9,659	7,734	10,674	8,276	3,679	6,746	7,141	10,165	5,812	7,721	8,946	8071	10403	66	10,674	7,521	66	10,674
BBMW-01S*	5.0 - 15.0	2,067	1,333	1,034	2,425	1,043	0	956	2,158	659	4,347	3,927	3929	1432	0	4,347	1,887	0	4,347
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	2	0	0	2
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0	0	1	0	0	2	1	0	2
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	0	0	0	2	0	0	2	0	0	2
BBMW-15I	35.0 - 45.0	0	--	--	--	--	--	0	--	0	0	0	0	0	0	30	3	0	30
BBMW-15I2	23.0 - 28.0	0	--	--	--	--	--	0	--	0	0	0	0	0	0	3	0	0	3
BBMW-15S	5.0 - 15.0	0	0	--	--	0	0	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
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	2	0	0	0	0	2
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0	0	2	0	0	2	0	0	2
BBMW-23D*	49.5 - 59.5	1,493	1,665	2,161	--	2,459	2,391	2,994	2,353	2,591	6,619	5,835	5620	3118	400	6,619	2,214	400	6,619
BBMW-23D2*	63.0 - 73.0	0	--	--	--	0	--	--	--	0	0	1	0	2	0	120	13	0	120
BBMW-23I*	33.0 - 43.0	--	13	33	--	146	88	65	59	199	2,207	2,559	31	16	0	2,559	313	0	2,559
BBMW-23S*	5.0 - 15.0	921	1,830	994	890	1,410	959	759	2,521	1,741	2,519	1,785	2703	2569	599	2,703	1,717	599	2,703
BBMW-24D	59.5 - 69.5	3,232	5,652	5,372	--	--	3,037	--	4,055	3,852	0	1	0	0	0	8,110	3,385	0	8,110
BBMW-24I	32.0 - 42.0	6,062	4,694	5,392	--	--	5,772	--	2,115	184	434	1,863	103	85	103	11,246	4,862	85	11,246
BBMW-24S	4.0 - 14.0	0	10	0	--	0	0	0	0	0	0	0	0	0	0	908	52	0	908
GM-03D	53.18 - 68.18	0	--	0	--	--	--	--	--	0	0	4	0	48	0	1,238	138	0	1,238
GM-03I	30.03 - 45.03	67	--	429	--	1,330	0	0	0	275	611	44	2	0	1,330	262	0	1,330	
GM-03S	6.78 - 21.78	12	--	183	110	0	250	245	72	235	21	8	8	0	510	115	0	510	
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08D	65.0 - 70.0	--	--	0	--	0	0	0	0	97	0	3892	0	0	3,892	443	0	3,892	
OU2MW-08I	35.0 - 40.0	--	--	3,453	--	4,983	4,020	2,328	3,013	507	2,299	799	2954	2264	507	4,983	2,706	507	4,983
OU2MW-08I2	50.0 - 55.0	--	--	1,364	--	1,666	2,664	1,347	1,961	1,454	1,468	262	3501	1646	262	3,501	1,743	262	3,501
OU2MW-08S	20.0 - 25.0	--	--	2,204	--	9,968	7,000	4,974	8,445	5,763	8,831	8,025	13563	6542	2,204	13,563	7,641	2,204	13,563
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	7	0	0	0	7	4	0	7

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

The BBMW-01 and BBMW-23 clusters are sampled on a monthly basis. This table reports the highest concentration detected from the three sampling events this quarter.

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results
 Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)																	
		Sampling Date																	
		1992	1999	2000	2002			2003			2004			2005					
Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec			
BBMW-03D	52.0 - 62.0	--	3	--	3	0	--	--	--	--	--	0	--	--	0	--	--	0	--
BBMW-03I	30.0 - 40.0	--	2	--	1	0	--	--	--	--	865	0	--	--	0	--	--	0	--
BBMW-03S	3.0 - 13.0	--	0	--	2	0	--	--	--	--	0	0	--	--	0	--	--	0	--
BBMW-07D	55.0 - 65.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	0	--	--	0	0	--	--	--	--	0	--	--	0	--	--	--	--
BBMW-07S	5.0 - 15.0	--	2	--	--	5	0	0	--	241	160	11	0	20	0	--	--	0	--
BBMW-25D	62.0 - 72.0	--	--	--	--	45	--	59	75	44	29	20	0	110	78	--	47	--	--
BBMW-25I	25.0 - 35.0	--	--	--	--	1,034	533	1,330	980	1,707	1,304	936	0	1,007	1,995	--	1,082	1,360	--
BBMW-25S	4.0 - 14.0	--	--	--	--	58	0	0	0	0	0	--	0	0	0	--	0	0	--
GM-05D	60.95 - 75.95	0	0	0	0	0	--	--	--	--	--	0	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	0	2	0	0	0	0	0	--	0	--	--	0	0	0	--	--	--	--
GM-05S	5.1 - 20.1	0	283	124	27	106	307	87	367	0	0	0	157	0	134	0	40	57	--
GMP-01	25.0 - 30.0	--	--	1,090	1,056	433	348	250	824	454	692	455	587	200	2,130	3,200	1,280	250	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,243	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	477	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	151	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	267	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,130	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,120	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-7
 Summary of Historic Total BTEX Groundwater Analytical Results
 Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum	
March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar								
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	865	62	0	865
BBMW-03S	3.0 - 13.0	0	0	0	0	393	0	0	0	0	0	0	393	28	0	393
BBMW-07D	55.0 - 65.0	--	--	--	--	25	0	--	0	0	0	0	25	5	0	25
BBMW-07I	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	37	0	0	0	0	0	0	0	0	241	25	0	241
BBMW-25D	62.0 - 72.0	11	21	78	76	0	0	16	6	2	0	0	110	40	0	110
BBMW-25I	25.0 - 35.0	264	0	79	344	0	148	252	41	158	0	0	1,995	720	0	1,995
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	2	0	0	58	3	0	58
GM-05D	60.95 - 75.95	0	--	--	--	0	0	0	0	4	0	0	0	0	0	4
GM-05I	35.05 - 48.05	0	--	--	--	0	0	13	0	0	0	0	13	1	0	13
GM-05S	5.1 - 20.1	140	21	0	12	0	0	0	14	185	0	0	367	75	0	367
GMP-01	25.0 - 30.0	562	577	1,156	4,726	185	154	49	135	182	49	4,726	904	49	4,726	
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01I	35.0 - 40.0	767	170	170	424	885	32	408	85	8	32	885	335	8	885	
OU2MW-01I2	50.0 - 55.0	195	126	52	51	51	15	0	0	0	0	195	57	0	195	
OU2MW-01S	20.0 - 25.0	348	176	988	288	876	37	182	104	42	37	1,243	471	37	1,243	
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	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	0	0	0
OU2MW-02I	35.0 - 40.0	370	415	493	459	645	260	410	229	377	229	645	418	229	645	
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	1	11	0	10	1	0	11	
OU2MW-02S	20.0 - 25.0	181	111	282	573	27	268	137	1	29	1	573	187	1	573	
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03I	35.0 - 40.0	0	0	0	182	0	0	0	0	0	0	182	20	0	182	
OU2MW-03I2	50.0 - 55.0	0	0	0	0	11	14	0	0	0	0	14	3	0	14	
OU2MW-03S	20.0 - 25.0	530	234	225	206	0	1,103	223	9	45	0	1,103	298	0	1,103	
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	3	2	0	3	0	0	3	
OU2MW-04I	35.0 - 40.0	885	296	23	0	134	233	252	158	174	0	885	250	0	885	
OU2MW-04I2	50.0 - 55.0	32	0	0	0	0	0	0	0	0	0	41	8	0	41	
OU2MW-04S	20.0 - 25.0	844	740	1,176	386	421	913	253	600	791	253	3,130	940	253	3,130	
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	224	254	1,039	3,159	280	188	110	110	221	110	3,159	720	110	3,159	
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	7	0	7	7	7	0	7	
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	112	245	112	112	112	112	245	
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	2,412	67	2,412	2,412	2,412	67	2,412	
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	32	1	40	1	32	17	1	40	
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	599	367	0	367	599	483	0	599	
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	0	144	0	0	0	0	144	
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	1	0	0	0	1	1	0	1	
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	9	53	6	9	53	31	6	53	
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0

Table 3-7
Summary of Historic Total BTEX Groundwater Analytical Results
Downgradient of Montauk Highway Oxygen Injection Line
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results
 Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)																	
		Sampling Date																	
		1992	1999			2000			2002			2003			2004			2005	
Sept	Sept	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec		
BBMW-03D	52.0 - 62.0	--	--	0	--	0	0	--	--	--	--	--	186	--	--	0	--		
BBMW-03I	30.0 - 40.0	--	--	0	--	2	0	--	--	--	--	0	--	--	0	--	--		
BBMW-03S	3.0 - 13.0	--	--	0	--	0	0	--	--	--	--	0	0	--	--	0	--		
BBMW-07D	55.0 - 65.0	--	--	0	--	0	0	--	--	--	--	--	--	--	--	--	--		
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--	0	--	--	--	--		
BBMW-07S	5.0 - 15.0	--	--	2	--	--	6	0	710	62	24	0	0	0	0	--	0		
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280	1,550	298	135	144	101	588	223	--	390	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900	4,700	--	4,860	7,761	7,840	3,902	4,937	--	3,621	5,472
BBMW-25S	4.0 - 14.0	--	--	--	--	--	22	0	0	0	--	0	14	0	--	0	--	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	28	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	0	4	14	0	0	0	--	--	--	--	51	0	--	--	--	--	--	--
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858	230	--	0	0	635	0	312	0	366	0
GMP-01	25.0 - 30.0	--	--	--	1,590	2,270	1,336	230	880	270	1,001	421	1,281	266	6,514	2,595	1,241	6,419	10,183
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,507	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,927	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,541	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	162	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	401	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,444	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	375	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,034	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,711	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-8
 Summary of Historic Total PAH Groundwater Analytical Results
 Downgradient of Montauk Highway Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2006				2007				2008								
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Jan-Mar	Jan-Mar	Jan-Mar					
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	7	0	186	14	0	186			
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	2	0	0	2			
BBMW-03S	3.0 - 13.0	0	0	0	0	283	0	0	0	0	0	283	20	0	283			
BBMW-07D	55.0 - 65.0	--	--	--	--	873	0	--	0	2	0	873	175	0	873			
BBMW-07I	30.0 - 40.0	--	--	--	--	--	0	--	0	0	0	0	0	0	0			
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	3	0	0	0	710	42	0	710			
BBMW-25D	62.0 - 72.0	308	125	160	384	0	0	3	1	0	0	1,553	347	0	1,553			
BBMW-25I	25.0 - 35.0	1,560	0	37	488	11	78	457	2	181	0	10,185	3,592	0	10,185			
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	10	0	0	0	22	3	0	22			
GM-05D	60.95 - 75.95	0	--	--	--	0	0	0	0	0	0	28	2	0	28			
GM-05I	35.05 - 48.05	0	--	--	--	0	0	7	0	0	0	51	5	0	51			
GM-05S	5.1 - 20.1	34	0	0	0	0	0	0	13	25	0	2,453	354	0	2,453			
GMP-01	25.0 - 30.0	9,385	9,261	5,555	3,936	4,019	5,506	159	4428	3967	159	10,183	3,424	159	10,183			
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
OU2MW-01I	35.0 - 40.0	8,222	3,717	879	495	120	12	90	2222	15	12	8,222	2,363	12	8,222			
OU2MW-01I2	50.0 - 55.0	1,249	0	0	100	0	478	7	4	0	0	1,249	211	0	1,249			
OU2MW-01S	20.0 - 25.0	464	457	1,230	104	321	47	2,023	2659	48	47	6,927	1,581	47	6,927			
OU2MW-01W1T	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	17	0	0	0	17	4	0	17			
OU2MW-02I	35.0 - 40.0	3,413	3,609	5,251	3,012	1,943	3,581	1,835	2947	3129	1,835	5,251	3,126	1,835	5,251			
OU2MW-02I2	50.0 - 55.0	11	0	0	0	0	12	0	11	30	0	22	6	0	30			
OU2MW-02S	20.0 - 25.0	311	209	164	424	0	148	155	27	57	0	424	178	0	424			
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	6	3	0	6	1	0	6			
OU2MW-03I	35.0 - 40.0	0	0	0	49	0	0	0	0	0	0	67	13	0	67			
OU2MW-03I2	50.0 - 55.0	36	16	0	0	0	130	4	3	0	0	130	21	0	130			
OU2MW-03S	20.0 - 25.0	339	353	181	379	0	313	201	49	87	0	401	246	0	401			
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
OU2MW-04I	35.0 - 40.0	6,438	3,795	1,107	0	0	318	3,260	547	4051	0	6,438	2,323	0	6,438			
OU2MW-04I2	50.0 - 55.0	115	101	57	78	0	10	16	2	0	0	375	84	0	375			
OU2MW-04S	20.0 - 25.0	12,611	7,351	10,538	2,774	6,802	8,427	3,794	4145	2666	2,774	12,611	6,720	2,666	12,611			
OU2MW-04W1T	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
OU2MW-05	25.0 - 35.0	8,049	5,125	4,314	4,149	1,980	2,193	247	3412	491	247	8,049	3,798	247	8,049			
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	8	7	5	0	0	8	5	0	8			
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	1,077	112	3,627	865	112	3,627	1,420	112	3,627			
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	426	2,412	52	0	0	2,412	723	0	2,412			
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	0	0	0	2	0	2	1	0	2			
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	2	--	--	--	2	2			
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	86	8	34	8	86	47	8	86			
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	320	76	0	76	320	198	0	320			
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	0	78	0	0	0	0	78			
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	5	0	0	0	5	3	0	5			
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	12	16	1	12	16	14	1	16			
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0			

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results
 Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)														
		Sampling Date														
		2000		2002			2003			2004				2005		
		Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
GMP-02	18.0 - 23.0	1,387	321	197	2,268	710	2,275	1,194	1,735	913	660	24	1,318	1,090	550	311
GMP-04	15.5 - 20.5	60	67	44	82	0	11	12	331	385	345	1,483	263	214	366	1,132
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,085	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	35	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-9
 Summary of Historic Total BTEX Groundwater Analytical Results
 Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total BTEX Concentrations (ug/L)													
		Sampling Date													
		2006				2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar					
GMP-02	18.0 - 23.0	151	11	12	0	0	0	0	0	3	0	2,275	658	0	2,275
GMP-04	15.5 - 20.5	242	83	242	280	652	24	295	264	15	0	1,483	299	0	1,483
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	11	0	0	0	53	0	0	0	11	0	1,085	128	0	1,085
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	59	39	0	35	0	0	0	1	15	0	59	19	0	59
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	0	1	0	0	0	0	1
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	278	906	0	278	139	0	906
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	13	21	17	13	21	17	13	21
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	143	77	70	77	143	110	70	143
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	2	7	23	2	7	5	2	23
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	27	5	0	5	27	16	0	27
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	9	0	7	0	9	5	0	9
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed / Applicable
 ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results
 Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)															
		Sampling Date															
		2000	2002				2003			2004				2005			
		Nov/Dec	Jan/Feb	Apr/May	June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
GMP-02	18.0 - 23.0	2,764	4,216	3,447	--	6,788	3,300	4,000	7,010	3,772	6,967	5,213	5,460	3,008	3,459	8,837	151
GMP-04	15.5 - 20.5	290	1,135	287	--	113	0	430	44	459	206	235	1,372	601	77	369	1,720
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9,241	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3-10
 Summary of Historic Total PAH Groundwater Analytical Results
 Downgradient of Manatuck Lane Oxygen Injection Line
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Well No.	Screen Interval (feet)	Total PAH Concentrations (ug/L)													
		Sampling Date													
		2006				2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar					
GMP-02	18.0 - 23.0	0	0	10	11	0	0	0	0	0	0	8,837	2,974	0	8,837
GMP-04	15.5 - 20.5	41	22	573	232	1,380	39	1,523	1467	1	0	1,720	548	0	1,720
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	0	48	0	0	0	0	48
OU2MW-06	15.0 - 25.0	19	0	0	0	0	0	0	3	6	0	9,241	1,029	0	9,241
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	10	0	0	0	10	5	0	10
OU2MW-07	15.0 - 25.0	69	0	0	0	0	0	0	37	0	0	69	19	0	69
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	7	0	0	7	4	0	7
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	297	201	0	297	149	0	297
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	79	39	44	39	79	59	39	79
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	888	97	268	97	888	493	97	888
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	3	7	30	3	7	5	3	30
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	15	2	1	2	15	9	1	15
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	12	10	1	10	12	11	1	12
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0	0	0	0

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 3-11
 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BBMW-04D 63-73 ft 3/3/2008	OU2 BBMW-07D ft 2/28/2008	OU2 BBMW-07I 30-40 ft 2/28/2008
BTEX (ug/L)				
Benzene	1	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U
Xylene, total	5	ND	10 U	10 U
Total BTEX	NE	10 U	ND	ND
Other VOCs (ug/L)				
Methyl tert-butyl ether	NE	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)				
Acenaphthene	20*	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U
Naphthalene	10*	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	2	ND
Carcinogenic PAHs (ug/L)				
Benz[a]anthracene	0.002*	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND
Total PAHs (ug/L)				
Total PAHs	NE	ND	2	ND

NOTES:

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

VOCs - volatile organic compounds

SVOCs - semivolatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

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

NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance

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

NE - not established

Bolding indicates the compound was detected

Shading indicates an exceedance of established NYSDEC SCGs

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

J - estimated value

U - indicates not detected at or above the reporting limit shown

D - indicates a diluted sample

bgs - below ground surface

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BMW-01D 68.5-78.5 ft 1/23/2008	OU2 BMW-01D 68.5-78.5 ft 2/26/2008	OU2 BMW-01D 68.5-78.5 ft 3/31/2008	OU2 BMW-01I 32-42 ft 1/23/2008	OU2 BMW-01I 32-42 ft 2/26/2008	OU2 BMW-01I 32-42 ft 3/31/2008	OU2 BMW-01S 5-15 ft 1/23/2008
BTEX (ug/L)								
Benzene	1	10 U	1 J	1 J	19	6	2 J	400
Toluene	5	2 J	1 J	3 J	2 J	10 U	10 U	100
Ethylbenzene	5	3 J	5	8	11	7	2 J	940
Xylene, m,p-	NE	10	11	15	170	160	49	460
Xylene, o-	NE	7	10	16	60	45	14	820
Xylene, total	5	17	21	31	230	205	63	1280
Total BTEX	NE	22	28	43	262	218	67	2720
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	14	9 J	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	5
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Dichlorodifluoromethane	NE	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	24	28	12	110
Methyl tert-butyl ether	NE	10 U	10 U	10 U	6	2 J	3 J	10 U
Naphthalene	10*	200	210	190	9600	15000	10000	4800
Propylbenzene, n-	5	10 U	10 U	10 U	48	67	38	48
Styrene	5	4 J	10 U	9	20	18	12	10 U
Tetrachloroethene	5	10 U	10 U	10 U	4 J	9	8	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	3 J	7	4 J	370	530	260	790
Trimethylbenzene,1,2,4-	5	11	17	13	710	1100	610	960
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	10 U	20	23	26	66
Acenaphthylene	NE	4 J	4 J	2 J	390 J	460 J	350 J	38
Anthracene	50*	10 U	10 U	10 U	11	10	9	5
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	3 J	3 J	3 J	10 U
Fluorene	50*	10 U	10 U	10 U	56	54	55	30
Methylnaphthalene,2-	NE	5	4 J	3 J	870	790 J	850	22
Naphthalene	10*	24	42	50	6100	9000	5400	2 J
Phenanthrene	50*	10 U	10 U	10 U	63	60	55	13
Pyrene	50*	10 U	10 U	10 U	4 J	3 J	4 J	10 U
Total Noncarcinogenic PAHs	NE	33	50	55	7517	10403	6752	176
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	33	50	55	7517	10403	6752	176

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BBMW-01S 5-15 ft 2/26/2008	OU2 BBMW-01S 5-15 ft 3/31/2008	OU2 BBMW-02D 73-83 ft 2/6/2008	OU2 BBMW-02I 30-40 ft 2/6/2008	OU2 BBMW-02S 5-15 ft 2/6/2008	OU2 BBMW-03D 52-62 ft 2/26/2008	OU2 BBMW-03I 30-40 ft 2/26/2008
BTEX (ug/L)								
Benzene	1	670	270	10 U	10 U	10 U	10 U	10 U
Toluene	5	120	65	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	1400	780	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	820	870	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	1200	880	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	2020	1750	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	4210	2865	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	5 J	6	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	2 J	3 J	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Isopropyl benzene	5	120	85	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	23	1 J	10 U	10 U	120
Naphthalene	10*	6100	4200	10 U	10 U	10 U	6	10 U
Propylbenzene, n-	5	55	36	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	1000	590	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	1100	740	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	25	66	10 U	10 U	10 UJ	10 U	10 U
Acenaphthylene	NE	2 J	29	10 U	10 U	10 UJ	10 U	10 U
Anthracene	50*	10 U	4 J	10 U	10 U	10 UJ	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Fluorene	50*	3 J	24	10 U	10 U	10 UJ	10 U	10 U
Methylnaphthalene,2-	NE	10 U	190	10 U	10 U	10 UJ	10 U	10 U
Naphthalene	10*	10 U	1100	10 U	10 U	10 UJ	7	10 U
Phenanthrene	50*	10 U	19	10 U	10 U	10 UJ	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Total Noncarcinogenic PAHs	NE	30	1432	ND	ND	ND	7	ND
Carcinogenic PAHs (ug/L)								
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	30	1432	ND	ND	ND	7	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BBMW-03S 3-13 ft 2/26/2008	OU2 BBMW-07S 5-15 ft 2/28/2008	OU2 BBMW-15D 70-80 ft 2/11/2008	OU2 BBMW-15I 23-28 ft 2/8/2008	OU2 BBMW-15I2 35-45 ft 2/8/2008	OU2 BBMW-15S 5-15 ft 2/8/2008	OU2 BBMW-16D 68-78 ft 2/7/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	5	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	170	11	10 U	10 U	10 U
Naphthalene	10*	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BMW-161 35-45 ft 2/7/2008	OU2 BMW-16S 5-15 ft 2/8/2008	OU2 BMW-23D 49.5-59.5 ft 1/24/2008	OU2 BMW-23D 49.5-59.5 ft 2/27/2008	OU2 BMW-23D 49.5-59.5 ft 3/31/2008	OU2 BMW-23D2 63-73 ft 1/24/2008	OU2 BMW-23D2 63-73 ft 2/27/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	7	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	56	10	4 J	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	290	53	17	10 U	10 U
Xylene, o-	NE	10 U	10 U	140	26	10	10 U	10 U
Xylene, total	5	10 U	10 U	430	79	27	10 U	10 U
Total BTEX	NE	ND	ND	493	89	31	ND	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	4200	1100	440	72	22
Propylbenzene, n-	5	10 U	10 U	17	5	10 U	10 U	10 U
Styrene	5	10 U	10 U	140	25	8	10 U	10 U
Tetrachloroethene	5	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	110	29	10	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	200	68	20	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	16	13	7	10 U	10 U
Acenaphthylene	NE	10 U	10 U	180 J	100	37	10 U	10 U
Anthracene	50*	10 U	10 U	6	5	4 J	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	2 J	2 J	1 J	10 U	10 U
Fluorene	50*	10 U	10 U	38	28	14	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	430	130 J	64	10 U	10 U
Naphthalene	10*	2 J	10 U	2400	640	160	10 U	10 U
Phenanthrene	50*	10 U	10 U	43	36	21	10 U	10 U
Pyrene	50*	10 U	10 U	3 J	3 J	2 J	10 U	10 U
Total Noncarcinogenic PAHs	NE	2	ND	3118	957	310	ND	ND
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	2	ND	3118	957	310	ND	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BBMW-23D2 63-73 ft 3/31/2008	OU2 BBMW-23I 33-43 ft 1/24/2008	OU2 BBMW-23I 33-43 ft 2/27/2008	OU2 BBMW-23I 33-43 ft 3/31/2008	OU2 BBMW-23S 5-15 ft 1/24/2008	OU2 BBMW-23S 5-15 ft 2/27/2008	OU2 BBMW-23S 5-15 ft 3/31/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	10 U	10 U	38	33	24
Toluene	5	10 U	10 U	10 U	10 U	28	40	65
Ethylbenzene	5	10 U	10 U	10 U	10 U	6200	8000	18000
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	1300	2100	6400
Xylene, o-	NE	10 U	10 U	10 U	10 U	160	380	1900
Xylene, total	5	10 U	10 U	10 U	10 U	1460	2480	8300
Total BTEX	NE	ND	ND	ND	ND	7726	10553	26389
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	200 J	360	620
Methyl tert-butyl ether	NE	10 U	13	10	20	10 U	10 U	10 U
Naphthalene	10*	10 U	31	13	7	2200	2700	5300
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	91	120	120
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	190	170	230
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	790	1200	2300
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	10 U	10 U	33	37	36
Acenaphthylene	NE	10 U	1 J	10 U	1 J	10 U	10 U	1 J
Anthracene	50*	10 U	10 U	10 U	10 U	7	9	10
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	2 J	3 J	3 J
Fluorene	50*	10 U	10 U	10 U	10 U	17	19	18
Methylnaphthalene,2-	NE	10 U	2 J	10 U	10 U	41	73 J	150 J
Naphthalene	10*	2 J	13	10 U	10 U	71	1700	2300
Phenanthrene	50*	10 U	10 U	10 U	10 U	25	51	47
Pyrene	50*	10 U	10 U	10 U	10 U	2 J	3 J	4 J
Total Noncarcinogenic PAHs	NE	2	16	ND	1	198	1895	2569
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzofluoranthene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzofluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzofluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	2	16	ND	1	198	1895	2569

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 BBMW-24D 59.5-69.5 ft 3/4/2008	OU2 BBMW-24I 32-42 ft 3/4/2008	OU2 BBMW-24S 4-14 ft 3/4/2008	OU2 BBMW-25D 62-72 ft 2/27/2008	OU2 BBMW-25I 25-35 ft 2/27/2008	OU2 BBMW-25S 4-14 ft 2/27/2008	OU2 GM-03D 53.18-68.18 ft 2/7/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	10 U	10 U	34	10 U	10 U
Toluene	5	15	10 U	10 U	10 U	3 J	10 U	10 U
Ethylbenzene	5	21	10 U	10 U	10 U	55	2 J	10 U
Xylene, m,p-	NE	81	10 U	10 U	1 J	15	10 U	10 U
Xylene, o-	NE	59	10 U	10 U	1 J	51	10 U	10 U
Xylene, total	5	140	10 U	10 U	2	66	10 U	10 U
Total BTEX	NE	176	ND	ND	2	158	2	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Hexane, n-	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U
Isopropyl benzene	5	2 J	10 U	10 U	10 U	10	10 U	10 U
Methyl tert-butyl ether	NE	2 J	4 J	10 U	6	4 J	10 U	10 U
Naphthalene	10*	670	150	6	10	370	12	10 U
Propylbenzene, n-	5	5	10 U	10 U	10 U	4 J	10 U	10 U
Styrene	5	61	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	1 J	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	29	10 U	10 U	10 U	28	10 U	10 U
Trimethylbenzene,1,2,4-	5	64	10	10 U	10 U	55	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	4 J	10 U	10 U	7	10 U	2 J
Acenaphthylene	NE	10 U	44	10 U	10 U	21	10 U	10 U
Anthracene	50*	10 U	5	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	6	10 U	10 U	4 J	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	6 J	10 UJ	10
Naphthalene	10*	10 U	10 U	10 U	10 U	140	10 U	36
Phenanthrene	50*	10 U	24	10 U	10 U	3 J	10 U	10 U
Pyrene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	85	ND	ND	181	ND	48
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	85	ND	ND	181	ND	48

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 GM-031 30.03-45.03 ft 2/7/2008	OU2 GM-03S 6.78-21.78 ft 2/7/2008	OU2 GM-05D 60.95-75.95 ft 2/19/2008	OU2 GM-05I 35.05-48.05 ft 2/19/2008	OU2 GM-05S 5.1-20.1 ft 2/19/2008	OU2 GMP-01 25-30 ft 2/29/2008
BTEX (ug/L)							
Benzene	1	94	10 U	10 U	10 U	47	61 J
Toluene	5	1 J	10 U	10 U	10 U	3 J	4 J
Ethylbenzene	5	110	10 U	2 J	10 U	76	33
Xylene, m,p-	NE	4 J	10 U	1 J	10 U	20	53
Xylene, o-	NE	36	10 U	1 J	10 U	39	31
Xylene, total	5	40	10 U	2	10 U	59	84
Total BTEX	NE	245	ND	4	ND	185	182
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	4 J
Butanone,2-	50*	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	12
Cyclohexane	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
Isopropyl benzene	5	15	10 U	10 U	10 U	14	11
Methyl tert-butyl ether	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	4 J
Naphthalene	10*	880	4 J	120 J	14 J	21 J	5300
Propylbenzene, n-	5	5 J	10 U	10 U	10 U	4 J	21
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	6
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	22	10 U	2 J	10 U	14	140
Trimethylbenzene,1,2,4-	5	50	10 U	3 J	10 U	37	400
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	10 U	10 U	4 J	18
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10	190 J
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	7
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	2 J
Fluorene	50*	2 J	10 U	10 U	10 U	2 J	32
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	270 J
Naphthalene	10*	10 U	10 U	10 U	10 U	8	3400
Phenanthrene	50*	10 U	10 U	10 U	10 U	1 J	46
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	2 J
Total Noncarcinogenic PAHs	NE	2	ND	ND	ND	25	3967
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	2	ND	ND	ND	25	3967

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 GMP-02 18-23 ft 2/29/2008	OU2 GMP-04 15.5-20.5 ft 2/26/2008	OU2 OU2IW-01S 3-8 ft 3/4/2008	OU2 OU2MW-01D 65-70 ft 2/25/2008	OU2 OU2MW-01I 35-40 ft 2/25/2008	OU2 OU2MW-01J 50-55 ft 2/25/2008
BTEX (ug/L)							
Benzene	1	10 U	12	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	4 J	10 U
Xylene, o-	NE	3 J	3 J	10 U	10 U	4 J	10 U
Xylene, total	5	3	3	10 U	10 U	8	10 U
Total BTEX	NE	3	15	ND	ND	8	ND
Other VOCs (ug/L)							
Acetone	50*	10 U	10 UJ	10 U	10 U	4 J	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	49	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	2 J	10 U	10 U	10 U	10 U	13
Naphthalene	10*	3 J	5	10 U	5	6	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	4 J	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	36	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	16	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	1 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	5	10 U
Methylnaphthalene,2-	NE	10 U	10 UJ	10 U	10 U	9	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	1 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	1	ND	ND	15	ND
Carcinogenic PAHs (ug/L)							
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	1	ND	ND	15	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-01S 20-25 ft 2/25/2008	OU2 OU2MW-01WT 3-8 ft 2/25/2008	OU2 OU2MW-02D 65-70 ft 2/27/2008	OU2 OU2MW-02I 35-40 ft 2/27/2008	OU2 OU2MW-02I2 50-55 ft 2/27/2008	OU2 OU2MW-02S 20-25 ft 2/27/2008
BTEX (ug/L)							
Benzene	1	17	10 U	10 U	17	5	7
Toluene	5	10 U	10 U	10 U	75	10 U	10 U
Ethylbenzene	5	11	10 U	10 U	7	10 U	9
Xylene, m,p-	NE	7	10 U	10 U	78	3 J	5
Xylene, o-	NE	7	10 U	10 U	200	3 J	8
Xylene, total	5	14	10 U	10 U	278	6	13
Total BTEX	NE	42	ND	ND	377	11	29
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethane,1,1-	5	10 U	10 U	10 U	4 J	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	1 J	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	45	4 J	3 J
Methyl tert-butyl ether	NE	10 U	10 U	10 U	27	13	3 J
Naphthalene	10*	300	10 U	10 U	4900	110	15
Propylbenzene, n-	5	10 U	10 U	10 U	9	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	1 J	10 U	10 U	2 J	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	13	10 U	10 U	55	3 J	2 J
Trimethylbenzene,1,2,4-	5	30	10 U	10 U	41	10 U	6
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	3 J	10 U	10 U	18	2 J	19
Acenaphthylene	NE	5	10 U	10 U	170 J	6	23
Anthracene	50*	10 U	10 U	10 U	2 J	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	2 J	10 U	10 U	4 J	10 U	4 J
Methylnaphthalene,2-	NE	6	10 U	10 U	18	10 U	10 U
Naphthalene	10*	30	10 U	10 U	2900	22	4 J
Phenanthrene	50*	2 J	10 U	10 U	17	10 U	7
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	48	ND	ND	3129	30	57
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	48	ND	ND	3129	30	57

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-03D 65-70 ft 2/29/2008	OU2 OU2MW-03I 35-40 ft 2/29/2008	OU2 OU2MW-03I2 50-55 ft 2/29/2008	OU2 OU2MW-03S 20-25 ft 2/29/2008	OU2 OU2MW-04D 65-70 ft 2/28/2008	OU2 OU2MW-04I 35-40 ft 2/29/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	39	10 U	66
Toluene	5	10 U	10 U	10 U	10 U	2 J	6
Ethylbenzene	5	10 U	10 U	10 U	3 J	10 U	24
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	36
Xylene, o-	NE	10 U	10 U	10 U	3 J	10 U	42
Xylene, total	5	10 U	10 U	10 U	3	10 U	78
Total BTEX	NE	ND	ND	ND	45	2	174
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	15
Methyl tert-butyl ether	NE	10 U	37	10 U	1 J	10 U	45
Naphthalene	10*	10 U	4 J	10 U	6	10 U	4500
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	19
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	4 J
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U	110
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	16	10 U	120
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	10 U	18	10 U	21
Acenaphthylene	NE	10 U	10 U	10 U	42	10 U	250 J
Anthracene	50*	10 U	10 U	10 U	2 J	10 U	4 J
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	8	10 U	6
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	330 J
Naphthalene	10*	3 J	10 U	10 U	4 J	10 U	3400
Phenanthrene	50*	10 U	10 U	10 U	13	10 U	40
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	3	ND	ND	87	ND	4051
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	3	ND	ND	87	ND	4051

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-04I2 50-55 ft 2/28/2008	OU2 OU2MW-04S 20-25 ft 2/28/2008	OU2 OU2MW-04WT 3-8 ft 2/28/2008	OU2 OU2MW-05 25-35 ft 2/14/2008	OU2 OU2MW-06 15-25 ft 2/21/2008	OU2 OU2MW-06S 3-8 ft 2/21/2008	OU2 OU2MW-07 15-25 ft 2/20/2008
BTEX (ug/L)								
Benzene	1	10 U	460	10 U	86	2 J	10 U	10 U
Toluene	5	10 U	11	10 U	5	10 U	10 U	10 U
Ethylbenzene	5	10 U	180	10 U	48	10 U	10 U	6
Xylene, m,p-	NE	10 U	59	10 U	41	10 U	10 U	5 J
Xylene, o-	NE	10 U	81	10 U	41	9	10 U	4 J
Xylene, total	5	10 U	140	10 U	82	9	10 U	9
Total BTEX	NE	ND	791	ND	221	11	ND	15
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	11	10 U	11	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	2 J	10 U	7	10	10 U	5
Naphthalene	10*	10 U	4300	7	1800	10 U	10 U	83
Propylbenzene, n-	5	10 U	13	10 U	18 J	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	2 J	10 U	5	1 J	10 U	2 J
Trichloroethylene	5	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	120	10 U	91	2 J	10 U	4 J
Trimethylbenzene,1,2,4-	5	10 U	260	10 U	190	2 J	10 U	3 J
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	29	10 U	4 J	10 U	10 U	10 U
Acenaphthylene	NE	10 U	170 J	10 U	38	10 U	10 U	10 U
Anthracene	50*	10 U	5 J	10 U	2 J	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	27	10 U	9	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	310	10 U	46	10 U	10 U	10 U
Naphthalene	10*	10 U	2100	10 U	380	6	10 U	10 U
Phenanthrene	50*	10 U	22	10 U	12	10 U	10 U	10 U
Pyrene	50*	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	2666	ND	491	6	ND	ND
Carcinogenic PAHs (ug/L)								
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	2666	ND	491	6	ND	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-07S 3-8 ft 2/20/2008	OU2 OU2MW-08D 65-70 ft 2/21/2008	OU2 OU2MW-08I 35-40 ft 2/21/2008	OU2 OU2MW-08I2 50-55 ft 2/21/2008	OU2 OU2MW-08S 20-25 ft 2/21/2008	OU2 OU2MW-08WT 3-8 ft 2/21/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	2 J	180	500	10 U
Toluene	5	10 U	10 U	2 J	12	28	10 U
Ethylbenzene	5	1 J	10 U	3 J	66	240 J	10 U
Xylene, m,p-	NE	10 U	10 U	56	36	140	10 U
Xylene, o-	NE	10 U	10 U	25	75	180	10 U
Xylene, total	5	10 U	10 U	81	111	320	10 U
Total BTEX	NE	1	ND	88	369	1088	ND
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	6	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	2 J	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	20	46	32	10 U
Methyl tert-butyl ether	NE	10 U	10 U	2 J	59	10 U	10 U
Naphthalene	10*	9	10 U	5400 J	2400 J	7000 J	41 J
Propylbenzene, n-	5	10 U	10 U	27	22	50	10 U
Styrene	5	10 U	10 U	12	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	8	3 J	2 J	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	200	87	370	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	410 J	82	670 J	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)							
Acenaphthene	20*	10 U	10 UJ	19	23	28	10 UJ
Acenaphthylene	NE	10 U	10 UJ	320	210 J	180 J	10 UJ
Anthracene	50*	10 U	10 UJ	7 J	2 J	10	10 UJ
Benzo[g,h,i]perylene	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Fluoranthene	50*	10 U	10 UJ	1	10 UJ	3 J	10 UJ
Fluorene	50*	10 U	10 UJ	45	3 J	47	10 UJ
Methylnaphthalene,2-	NE	10 U	10 UJ	530	72	830	10 UJ
Naphthalene	10*	10 U	10 UJ	1300	1300 J	5400	10 UJ
Phenanthrene	50*	10 U	10 UJ	41	36	41	10 UJ
Pyrene	50*	10 U	10 UJ	1 J	10 UJ	3 J	10 UJ
Total Noncarcinogenic PAHs	NE	ND	ND	2264	1646	6542	ND
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Benzo[a]pyrene	ND	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Benzo[b]fluoranthene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Benzo[k]fluoranthene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Chrysene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	2264	1646	6542	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-09 20-30 ft 2/26/2008	OU2 OU2MW-10D 35-40 ft 2/14/2008	OU2 OU2MW-10I 20-25 ft 2/14/2008	OU2 OU2MW-10S 3-7 ft 2/14/2008	OU2 OU2MW-11D 40-45 ft 3/4/2008	OU2 OU2MW-11I 20-25 ft 3/4/2008	OU2 OU2MW-11I2 30-35 ft 3/4/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	430	10 U	10 U	86	5
Toluene	5	10 U	10 U	8	10 U	10 U	19	17
Ethylbenzene	5	10 U	10 U	380	10 U	10 U	50	5
Xylene, m,p-	NE	10 U	10 U	22	10 U	10 U	42	9
Xylene, o-	NE	10 U	10 U	66	10 U	10 U	48	31
Xylene, total	5	10 U	10 U	88	10 U	10 U	90	40
Total BTEX	NE	ND	ND	906	ND	ND	245	67
Other VOCs (ug/L)								
Acetone	50*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Isopropyl benzene	5	10 U	10 U	68	10 U	10 U	8	4 J
Methyl tert-butyl ether	NE	44	10 U	8	10 U	10 U	20	49
Naphthalene	10*	10 U	22	1700	21	10 U	2000	380
Propylbenzene, n-	5	10 U	10 UJ	32 J	10 UJ	10 U	12	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	24	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	2 J	2 J
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	47	10 U	10 U	55	13
Trimethylbenzene,1,2,4-	5	10 U	10 U	130	10 U	10 U	180	9
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	32	10 U	10 U	25	10 U
Acenaphthylene	NE	10 U	10 U	13	10 U	10 U	67	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	4 J	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Fluorene	50*	10 U	10 U	5 J	10 U	10 U	16	10 U
Methylnaphthalene,2-	NE	10 UJ	10 U	6	10 U	10 U	72	10 U
Naphthalene	10*	10 U	10 U	140	10 U	10 U	670	10 U
Phenanthrene	50*	10 U	10 U	5 J	10 U	10 U	8	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	201	ND	ND	865	ND
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzof[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	ND	201	ND	ND	865	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-11S 3-8 ft 3/4/2008	OU2 OU2MW-12D 40-45 ft 3/3/2008	OU2 OU2MW-12I 20-25 ft 3/3/2008	OU2 OU2MW-12I2 30-35 ft 3/3/2008	OU2 OU2MW-12S 3-7 ft 3/3/2008	OU2 OU2MW-13D 35-40 ft 2/14/2008	OU2 OU2MW-13I 20-25 ft 2/14/2008
BTEX (ug/L)								
Benzene	1	10 U	8	18	8	10 U	10 U	7
Toluene	5	10 U	10 U	3 J	1 J	10 U	10 U	10 U
Ethylbenzene	5	10 U	1 J	11	5 J	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	3 J	18	2 J	10 U	10 U	10 U
Xylene, o-	NE	10 U	5	20	7 J	10 U	10 U	10 U
Xylene, total	5	10 U	8	38	9	10 U	10 U	10 U
Total BTEX	NE	ND	17	70	23	ND	ND	7
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	7 J	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Isopropyl benzene	5	10 U	6	3 J	2 J	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	60	54	80	10 U	38	10 U
Naphthalene	10*	6	73	1000	150	8	4 J	2 J
Propylbenzene, n-	5	10 U	10 U	5	10 U	10 U	10 UJ	10 UJ
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	6	47	5	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	2 J	77	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	4 J	5 J	2 J	10 U	10 U	1 J
Acenaphthylene	NE	10 U	19	30	10	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	6 J	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	21	10 U	10 U	10 U	10 U
Naphthalene	10*	2 J	19	200	18	10 U	1 J	10 U
Phenanthrene	50*	10 U	2 J	5 J	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	2	44	268	30	ND	1	1
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	2	44	268	30	ND	1	1

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-13S 3-8 ft 2/14/2008	OU2 OU2MW-14I 20 - 25 ft 2/26/2008	OU2 OU2MW-14I2 45 - 50 ft 2/26/2008	OU2 OU2MW-14S 3-8 ft 2/26/2008	OU2 OU2MW-15D 40-45 ft 2/11/2008	OU2 OU2MW-15I 20-25 ft 2/11/2008	OU2 OU2MW-15I2 30-35 ft 2/11/2008
BTEX (ug/L)								
Benzene	1	10 U	10 U	10 U	10 U	10 U	17	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	17	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	5 J	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	6	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	40	ND
Other VOCs (ug/L)								
Acetone	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	2 J	10 U	10 U	10 UJ	48	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Propylbenzene, n-	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	10 U	9	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)								
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	4 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	21	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	6	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	34	ND
Carcinogenic PAHs (ug/L)								
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)								
Total PAHs	NE	ND	2	ND	ND	ND	34	ND

Table 3-12
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 2 (OU-2)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU2 OU2MW-15S 3-8 ft 2/11/2008	OU2 OU2MW-16D 35-40 ft 2/20/2008	OU2 OU2MW-16I 15-20 ft 2/20/2008	OU2 OU2MW-16I2 25-30 ft 2/20/2008	OU2 OU2MW-16S 3-8 ft 2/20/2008
BTEX (ug/L)						
Benzene	1	10 U	87	10 U	6	10 U
Toluene	5	10 U	2 J	10 U	10 U	10 U
Ethylbenzene	5	10 U	2 J	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	11	10 U	10 U	10 U
Xylene, o-	NE	10 U	42	10 U	10 U	10 U
Xylene, total	5	10 U	53	10 U	10 U	10 U
Total BTEX	NE	ND	144	ND	6	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	8	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	3 J	10 U	9	10 U
Naphthalene	10*	10 U	330	21	4 J	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 UJ	10 U	10 U	10 U	10 U
Trichloroethylene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	5 J	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	10 U	10 U	10 U	1 J	10 U
Acenaphthylene	NE	10 U	2 J	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 UJ	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	76	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	78	ND	1	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	ND	78	ND	1	ND

Table 3-12
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 2 (OU-2)

NOTES:

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

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

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

NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance

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

NA - not analyzed

NE - not established

Bolding indicates the compound was detected

Shading indicates an exceedance of established NYSDEC SCGs

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

J - estimated value

U - indicates not detected at or above the reporting limit shown

bgs - below ground surface

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Jul-02	Aug-02	Sep-02	Oct-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Aug-03	Sep-03	Jan-04	Feb-04	Mar-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Nov-04	Jan-05
Conductivity (mS/cm)																							
IO-10	0.562	0.689	0.612	0.452	0.345	0.348	0.334	0.401	0.277	0.393	0.278	0.267	0.278	0.437	0.716	0.473	-	0.435	0.413	0.271	0.279	-	0.39
MW-34D	0.214	0.277	0.252	0.2605	0.318	0.25	0.222	0.301	0.198	0.246	0.284	0.309	0.277	0.231	0.255	0.191	-	0.211	0.213	0.212	0.194	-	0.195
MW-34I	0.553	0.64	0.724	0.341	0.483	0.293	0.316	0.508	0.349	0.391	0.305	0.268	0.294	0.558	0.684	0.627	-	0.404	0.3	0.323	0.296	-	0.336
MW-34S	0.49	0.624	0.54	0.5765	0.586	0.429	0.451	0.538	0.361	0.535	0.492	0.554	0.494	0.5	0.555	0.53	-	0.632	0.446	0.428	0.423	-	0.37
MW-46WR	-	-	-	-	0.476	0.372	0.391	0.455	0.616	0.991	0.821	-	0.609	0.721	1.14	1.33	-	1.22	0.709	0.629	0.432	-	0.535
MW-70/70S	0.388	0.578	0.556	0.477	0.422	0.31	0.339	0.606	1.25	0.328	0.356	0.443	0.355	0.394	0.481	0.34	-	0.645	0.644	0.63	0.435	-	0.311
MW-71/71S	0.52	0.666	0.575	0.5235	0.558	0.336	0.325	0.414	0.476	0.535	0.428	0.587	0.641	0.477	0.51	0.463	0.452	0.58	0.519	0.475	0.556	0.408	0.308
Dissolved Oxygen (mg/L)																							
IO-10	12	0.8	10	5.5	16	8	0	2.54	25	22	19	11	12	7	5	4	-	0	0	1.95	0	-	0
MW-34D	1	1	1.6	0.9	1.6	0.4	2	0.02	1.2	1	1	0.8	0.4	0.4	0	0	-	0	0	0	0	-	0
MW-34I	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0.2	0	0	-	0	0	0	0	-	0
MW-34S	0.4	0	1	0.2	0	0	2	0	1.8	0	0.8	0.8	0.2	0	0	0	-	0	0	0	0	-	0
MW-46WR	-	-	-	-	13.95	0	0	0.48	3	2	1.2	-	0	1.2	1	1.4	-	0	0	0.49	0	-	0
MW-70/70S	20	3	6	7	18	9	0	1	11	9	19	19	22	26	25	40	-	0	0	0	0	-	27
MW-71/71S	2.8	0.8	1.8	0	0.6	0	2	0	0.3	0	1.4	0	0.2	2.6	5	1.8	9.37	7	0	0	0	0	15
Oxidation Reduction Potential (mV)																							
IO-10	11	-125	3	-73.5	1	117	-159	-104	-23	-4	3	11	-12	-16	27	21	-	-97	-101	-7	-72	-	-110
MW-34D	55	85	58	28.5	25	-16	45	118	85	22	62	77	114	132	-95	-20	-	16	5	63	107	-	125
MW-34I	-147	-178	-142	-156	-100	-303	-222	-139	-164	-109	-137	-136	-117	-132	-150	-129	-	-150	-130	-144	-117	-	-87
MW-34S	-150	-171	-24	-118.5	-67	35	85	-75	-71	-61	-115	-106	-42	-95	-140	-112	-	-165	-109	-124	-123	-	-61
MW-46WR	-	-	-	-	-23	-10	-172	-83	-50	-35	-79	-	-80	-71	-105	-69	-	-181	-119	-110	-110	-	-83
MW-70/70S	94	8	2	-8	62	169	-37	-50	46	42	10	19	34	43	12	6	-	-154	-117	-118	-148	-	68
MW-71/71S	-89	-95	-75	-84	-89	-42	-59	-88	-125	-85	-101	-81	-49	-56	-68	-68	-26	-48	-112	-97	-151	-51	23
pH (st. units)																							
IO-10	6.17	6.52	6.04	6.46	6.38	6.31	6.43	6.52	7.39	6.29	6.41	6.33	6.45	6.2	6.56	6.49	-	6.2	6.02	6.17	6.41	-	6.73
MW-34D	6.17	5.9	6.06	6.07	6.31	6.2	6.39	6.14	6.38	6.01	5.8	6.14	6.29	6.1	6.74	6.72	-	5.7	5.78	6.03	5.69	-	6.32
MW-34I	6.3	6.07	6.17	6.615	7.09	6.99	6.31	6.32	6.44	6.57	6.47	6.71	6.8	6.39	6.89	6.86	-	6.5	6.27	6.46	6.48	-	6.71
MW-34S	6.03	5.96	6.04	6.12	6.97	6.29	6.23	6.59	8.43	6.29	5.99	6.06	6.03	5.91	6.49	6.66	-	6.44	5.77	5.97	5.62	-	6.21
MW-46WR	-	-	-	-	6.47	6.23	6.17	6.3	6.11	5.99	5.8	-	6.02	5.99	6.43	6.5	-	6.08	5.87	6.2	6.09	-	6.26
MW-70/70S	5.92	5.91	5.99	5.925	5.72	5.96	6.11	6.44	6.02	5.96	5.71	5.92	6	5.88	6.38	6.63	-	6.31	5.82	6.11	5.96	-	5.95
MW-71/71S	5.94	6.27	5.92	6.12	7.09	6.13	6.26	6.35	6.17	6.16	5.88	5.99	6.03	5.91	6.44	6.75	6.07	6.16	5.74	5.85	6.07	6.26	6.15
Temperature (deg C)																							
IO-10	17.3	18.9	19.8	18.7	15.5	14.1	9.5	10.9	11.4	13.6	15.9	18	17.5	10.7	9.8	10.1	-	18.4	19	17.7	19.5	-	11.3
MW-34D	15.7	15.9	16.3	16.65	14.8	14.9	11	13	12.8	13	14.3	15.2	14.7	13	13.4	12.2	-	15.9	16	15.8	16.4	-	11.8
MW-34I	16.4	16.1	17.5	18.3	16.3	14.4	11.9	11.7	10.7	12.7	14.2	16.2	16.6	12.6	11.9	11	-	15.4	16.5	16.9	17.9	-	11.6
MW-34S	21.2	21.5	22	19.45	12.4	8.9	5	5.9	8.3	13.1	16.6	21.5	18.8	7.6	6.8	7.7	-	18.7	20.6	20	21.2	-	8
MW-46WR	-	-	-	-	13	10.6	7.3	8.3	10.8	15.8	18.8	-	19.7	7.2	6.5	8.6	-	21.9	24	22.8	22.7	-	8.6
MW-70/70S	19	20.4	21.7	19.2	13.8	11.1	7.1	7.4	8.6	13.2	15.6	20.2	18.2	8.9	7.8	8.1	-	19.4	20.3	20.9	20.7	-	7.8
MW-71/71S	17.9	20.6	21.4	19.3	13	10.2	4.1	6.5	8	12.4	15.9	20.4	18.3	7.8	7.1	7.8	10.4	18.7	19.9	19.8	20.6	15.7	8.4

Notes:
 - Not Measured
 mS/cm - milli-siemens
 per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt



Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07
Conductivity (mS/cm)																							
IO-10	0.461	0.507	0.369	0.397	0.502	0.338	0.374	0.533	0.528	0.87	0.836	0.444	0.403	0.326	0.39	0.328	0.477	0.469	0.447	0.478	0.674	0.611	0.578
MW-34D	0.203	0.21	0.173	0.262	0.336	0.271	0.236	0.211	0.306	0.486	0.32	0.274	0.279	0.261	-	0.171	0.265	0.25	0.247	0.247	0.427	0.336	0.358
MW-34I	0.351	0.489	0.376	0.425	0.451	0.341	0.416	0.442	0.556	0.882	0.517	0.479	0.441	0.277	-	0.249	0.448	0.427	0.459	0.457	0.814	0.545	0.58
MW-34S	0.403	0.43	0.419	0.751	0.73	0.418	0.394	0.593	0.691	0.919	0.668	1.19	0.731	0.4	0.469	0.454	0.651	0.472	0.549	0.564	0.653	0.542	0.614
MW-46WR	1	1.565	2.37	2.23	1.42	1.35	0.549	0.94	0.551	1.1	1	0.83	0.604	1.2	0.95	1.18	0.638	0.583	0.441	0.629	0.726	5.81	0.592
MW-70/70S	0.296	0.516	0.449	0.574	0.6	0.392	0.355	0.415	0.469	0.718	0.501	0.654	0.541	0.353	0.387	0.327	0.504	0.373	0.433	0.493	0.674	0.597	0.57
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)																							
IO-10	0.14	0	0	0	0	16	0	12	38	0	20	5	8	42	20	33	32	28	34	0	35	30	34
MW-34D	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0.6	0	0.6	0	0
MW-34I	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0
MW-34S	0	0.57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-46WR	0	0.24	0	0	0	0	0	0	0	0	0	0	0	0	1.83	0	1.2	2	5	0	4	6	12
MW-70/70S	27	14	7	0	0.43	3	0	0	0	5.915	0	0	0	25	20	35	25	33	34	22	25	40	40
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation Reduction Potential (mV)																							
IO-10	-96	-118	-117	-84	-92.5	11	-123	24	42	-53	16.3	44	5	51	42	42	129	30	40	-12	74	64	73
MW-34D	130	82	90	115	178	24	-15	191	-121	137	140	159	180	175	-	202	135	162	171	210	173	94	-42
MW-34I	-93	-106	-113	-141	-106	-156	-167	-137	-188	-130	-101	-109	-92	-109	-	-177	-81	-120	-121	-37	-93	-126	-79
MW-34S	3	-33	-54	-183	-44	-141	-135	-88	-180	-39	-57	-127	-107	-150	-162	-177	-125	-121	-144	-77	-173	-207	-97
MW-46WR	-67	-82.5	-103	-203	-94	-189	-148	-119	-291	-157	-108	-143	-100	-74	-219	-136	-93	-130	-115	-84	-82	-76	6
MW-70/70S	105	73.5	40	-66	-62	-130	-132	-119	-279	-16	-45	-88	-90	14	-12	42	89	-7	-19	13	15	69	55
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (st. units)																							
IO-10	6.49	6.36	6.46	6.3	6.34	6.34	6.37	6.39	6.2	6.14	6.14	6.6	6.49	6.29	6.13	5.69	7.26	6	6.44	6.16	6.79	6.51	6.1
MW-34D	5.99	5.95	6.24	6.03	6.03	6.07	6.15	6.07	5.74	5.98	5.99	6.4	6.07	5.93	-	5.48	5.84	5.98	6.36	6.09	6.26	5.9	5.74
MW-34I	6.46	6.39	6.37	6.35	6.42	6.56	6.4	6.74	6.02	6.24	6.28	6.74	6.46	6.34	-	6.15	6.53	6.21	6.37	6.12	6.4	6.03	5.94
MW-34S	6.04	6.06	6.19	5.96	5.84	5.88	5.84	6.05	5.85	6.12	6.03	6.39	6.09	6	6.07	5.94	6.37	6.04	6.19	6.16	6.48	6.26	6.01
MW-46WR	6.06	6.15	6.32	6.12	6.03	6.01	6.07	6.36	5.77	5.94	6.07	6.36	6.06	5.95	6.11	5.79	7.53	5.96	6.29	6.25	6.18	5.81	5.57
MW-70/70S	5.8	5.73	6.21	5.85	5.95	6.17	6.09	6.21	5.68	5.83	5.95	6.19	6.02	5.99	6.18	5.68	7.4	5.92	6.12	6	6.18	5.71	5.68
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature (deg C)																							
IO-10	11	10.2	11.8	13.1	15.3	17	18.1	19.6	17.4	16.6	16.3	12.9	10.9	11.8	13.3	16.5	18.4	18.1	18.7	17.7	16.4	15.2	13.6
MW-34D	12.8	12.4	12.9	12.5	14.6	14.8	15.9	16.5	15.4	15.4	15	13.8	13.2	13.05	-	15	16	15	15.7	15.3	15.5	14.9	14.1
MW-34I	11.6	10.7	11.7	11.5	14.4	14.6	16.1	18.1	16.9	16.7	15.3	13.4	12.1	11.7	-	15.1	16.9	16.4	17.5	16.8	16.5	15.4	13.6
MW-34S	6.6	6.8	11.4	12.8	16.8	18.7	21.2	22.1	17.6	15.8	10.4	9.2	8.6	9.5	13.5	18.1	21.1	21.3	21	18.3	15	13.2	10.5
MW-46WR	7.4	7.6	13.7	16	20.1	22.6	23.5	24	18.9	15.1	11.75	9.8	9.1	10.5	18.4	22	24.2	24.33	22.4	19	15.7	13.3	11.9
MW-70/70S	8.1	7.55	10.4	12.3	17	18.5	20.5	21.1	18.4	14.95	11.4	9.5	8.6	9.4	14.1	17.6	20.4	20.2	19.9	17.7	15.6	13.5	11.5
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
 - Not Measured
 mS/cm - milli-siemens
 per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt

Table 4-1
 Summary of Groundwater Parameter Data
 Union Boulevard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Conductivity (mS/cm)														
IO-10	0.604	0.588	0.39	0.252	0.285	0.335	0.389	0.436	0.33	0.514	0.389	0.515	0.473	0.434
MW-34D	0.331	0.365	0.288	0.237	0.251	0.216	0.269	0.295	0.222	0.337	0.259	0.276	0.284	0.292
MW-34I	0.461	0.579	0.364	0.301	0.275	0.248	0.317	0.401	0.343	0.445	0.344	0.36	0.393	0.422
MW-34S	0.46	0.52	0.381	0.373	0.512	0.484	0.608	0.673	0.367	0.495	0.409	0.588	0.387	0.398
MW-46WR	0.635	0.695	0.443	0.345	0.474	0.511	0.562	0.561	0.301	0.574	0.484	0.42	0.351	0.324
MW-70/70S	0.543	0.445	0.424	0.327	0.358	0.395	0.422	0.456	0.32	0.439	0.371	0.392	0.369	0.354
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)														
IO-10	36	34	35	36	3	26	28	31	29	25	31	36	33	32
MW-34D	0	0	0	0	0	0	0	0	2	0	0.6	0.4	0.4	0
MW-34I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-34S	0	0	0	0	0	0	0	0	2	0	0	0	0	0
MW-46WR	10	9	13	8	0	1.2	5	8	8	21	18	24	24	24
MW-70/70S	33	33	41	42	44	12	28	39	31	33	34	31	29	34
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxidation Reduction Potential (mV)														
IO-10	95	-88	-5	22	-35	89	75	80	169	434	95	32	18	126
MW-34D	-301	-278	-172	38	47	82	94	70	93	218	131	-4	1	220
MW-34I	-336	-267	-334	-130	-130	-50	-126	-108	-65	-15	-171	-71	-41	-31
MW-34S	-165	-219	-361	-289	-297	-247	-234	-198	-101	-10	-177	-85	-71	-86
MW-46WR	-23	-136	-102	-94	-207	-136	-98	-79	43	71	-71	5	5	17
MW-70/70S	40	-110	-14	14	-34	18	29	-42	-18	385	-32	2	-10	28
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (st. units)														
IO-10	6.26	6.22	5.97	6.09	5.43	5.75	5.83	6.12	5.96	5.59	6.3	6.69	6.37	6.32
MW-34D	5.84	5.67	5.95	5.96	5.97	5.98	5.9	5.86	5.98	5.21	5.98	6.02	5.83	5.76
MW-34I	6.12	5.87	6.03	6.02	6.18	6.16	6.06	5.87	6.81	5.41	8.19	5.99	6.1	6.11
MW-34S	6.01	6.04	6.21	6.16	6.04	5.92	5.94	5.88	6.9	5.45	8.15	5.96	5.91	5.85
MW-46WR	5.72	5.79	5.82	5.93	5.97	6.09	5.85	5.72	6.34	5.27	7.26	5.29	5.79	5.68
MW-70/70S	5.92	6.22	5.99	6.2	6.05	6.06	5.89	5.95	6.62	5.43	7.18	6.1	6.03	5.97
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature (deg C)														
IO-10	11.6	10.4	12.9	13.3	16.3	17.52	18.9	18.3	16.88	17.1	13.7	11.1	10.7	10.8
MW-34D	12.7	12.9	13.3	12.7	14.2	14.7	15.8	16.1	15.67	15.6	13.8	12.6	12.7	13.4
MW-34I	11.5	11.8	12.2	11.5	14.8	14.8	16.6	17.5	17.18	16.2	14.1	12	10.9	12.1
MW-34S	6.5	6.5	10.2	13	17.2	19.2	20.2	20.7	19.04	14.6	10.9	8.7	6.8	7.9
MW-46WR	7.9	8.1	13.9	16	20.4	22.9	23.8	23	15.3	15.2	10.5	8.4	8.1	10.1
MW-70/70S	8.3	6.8	9.7	11.9	16.4	19.2	20	19.8	17.91	16	11.7	8.5	8	8.1
MW-71/71S	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 4-2
 Summary of Groundwater Parameter Data
 Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06
Conductivity (mS/cm)																			
MW-64	-	0.33	0.268	-	-	0.379	-	0.269	-	0.409	0.37	-	0.59	0.401	-	-	0.273	-	0.266
MW-65	-	-	0.279	-	-	-	0.268	-	-	0.31	0.326	-	0.492	0.52	0.452	0.319	0.218	0.372	0.321
MW-73	0.351	-	0.405	-	0.5	-	0.609	-	0.732	-	0.526	0.851	-	0.827	-	0.469	-	-	0.414
MW-75	-	-	0.289	-	-	-	-	1.1	-	0.314	0.237	-	0.183	-	2.79	0.24	0.116	0.231	0.154
MW-76	-	0.408	0.448	-	0.287	-	0.229	-	-	0.279	0.313	-	0.376	0.355	-	0.208	-	-	0.388
MW-78	-	0.408	0.298	-	0.615	-	0.48	-	-	0.739	0.469	0.928	-	0.717	-	0.431	-	-	0.371
MW-79	-	0.253	0.361	-	0.207	-	0.347	-	-	0.63	0.607	1.08	-	0.592	-	0.406	-	-	0.639
MW-80	-	0.396	0.414	-	-	-	-	0.385	-	0.429	0.318	0.899	-	0.368	-	0.394	-	-	0.463
MW-81	-	0.386	0.423	-	0.245	-	-	0.425	-	0.654	0.491	-	0.941	0.68	-	-	0.345	-	0.38
MW-82	-	0.325	0.287	-	0.375	-	-	0.492	-	0.528	0.492	-	0.598	-	0.58	-	0.255	-	0.315
MW-83	-	0.46	0.522	-	0.297	-	0.343	-	-	0.319	0.239	-	0.476	0.518	-	0.327	-	-	0.332
PDMW-01	-	-	0.544	-	-	-	-	0.177	-	0.268	0.265	0.36	-	-	0.235	0.242	0.225	0.352	0.268
SV-02	-	0.502	0.107	0.107	-	0.114	-	0.363	-	0.491	0.52	-	0.606	-	0.669	-	0.366	-	0.165
SV-03	-	0.418	0.248	-	-	0.328	0.218	-	-	0.318	0.208	-	0.574	0.346	-	0.348	-	-	0.491
Dissolved Oxygen (mg/L)																			
MW-64	-	0	0	-	-	0	-	0.3	-	0	2.21	-	0	0	-	-	0	-	0
MW-65	-	-	0	-	-	-	0.65	-	-	5.87	19.21	-	1.7	20	28	10	13.61	17	23
MW-73	0	-	0	-	0	-	0.38	-	0	-	0	0	-	0	-	0	-	-	0
MW-75	-	-	0	-	-	-	-	0.76	-	0	0.65	-	0	-	0	0	0	0	0
MW-76	-	0	0	-	0	-	0.82	-	-	0	0	-	0	0	-	0	-	-	0
MW-78	-	0	0	-	0	-	0.27	-	-	0	0	0	-	0	-	0	-	-	0
MW-79	-	0	0	-	0	-	0.27	-	-	0	0	0	-	0	-	0	-	-	0
MW-80	-	0	0	-	-	-	-	0.35	-	0	0	0	-	0	-	0	-	-	0
MW-81	-	0	0	-	0	-	-	0.32	-	0	1.02	-	2.94	0	-	-	4.54	-	1.12
MW-82	-	0	0	-	0	-	-	0.26	-	0	2.91	-	0	-	0	-	3.84	-	0
MW-83	-	0	0	-	0	-	0.27	-	-	0	5.87	-	0	14.11	-	16.03	-	-	8.89
PDMW-01	-	-	0	-	-	-	-	20	-	20	11.87	20	-	-	23	20	26	25	20.5
SV-02	-	1.28	2.38	0	-	5.11	-	6.26	-	0.81	2.2	-	0	-	0	-	3.2	-	1.58
SV-03	-	0	0	-	-	0	0.47	-	-	0	0	-	0	0	-	0	-	-	1.25
Oxidation Reduction Potential (mV)																			
MW-64	-	-43	-43	-	-	-113	-	-73	-	-54	-3	-	-4	10	-	-	3	-	38
MW-65	-	-	-34	-	-	-	5	-	-	-65	-4	-	19	70	133	77	129	194	34
MW-73	-72	-	-126	-	-27	-	-23	-	-176	-	-156	-115	-	-154	-	-148	-	-	-272
MW-75	-	-	-37	-	-	-	-	38	-	-132	-152	-	-75	-	-22.5	-118	-85	-50	-60
MW-76	-	-37	-36	-	-7	-	10	-	-	-137	-97	-	-115	-59	-	-103	-	-	-110
MW-78	-	-150	-129	-	-121	-	-106	-	-	-160	-226	-118	-	-158	-	-158	-	-	-242
MW-79	-	-101	-99	-	-56	-	-72	-	-	-175	-174	-84	-	-167	-	-103	-	-	-135
MW-80	-	-103	-98	-	-	-	-	-130	-	-154	-186	-205	-	-268	-	-303	-	-	-215
MW-81	-	-130	-129	-	-93	-	-	-96	-	-181	-142	-	-37	-156	-	-	-155	-	-161
MW-82	-	-95	-109	-	-51	-	-	-85	-	-175	-190	-	-113	-	-102	-	-129	-	-225
MW-83	-	-100	-6	-	-23	-	-159	-	-	-113	-80	-	-95	102	-	37	-	-	-1
PDMW-01	-	-	-39	-	-	-	-	177	-	192	192	181	-	-	188.5	166	180	290	116.5
SV-02	-	150	98	98	-	173	-	185	-	122	84	-	-47	-	69	-	125	-	-60
SV-03	-	-82	-55	-	-	-13	-3	-	-	-173	-138	-	-167	-112	-	-110	-	-	-146

Table 4-2
 Summary of Groundwater Parameter Data
 Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Apr-04	May-04	Aug-04	Sep-04	Nov-04	Dec-04	Feb-05	Mar-05	May-05	Jun-05	Aug-05	Nov-05	Dec-05	Feb-06	Mar-06	May-06	Jun-06	Jul-06	Aug-06
pH (st. units)																			
MW-64	-	6.42	6.02	-	-	6.62	-	6.17	-	6.17	6.1	-	5.97	6.02	-	-	6.06	-	6.08
MW-65	-	-	5.79	-	-	-	6.04	-	-	5.75	5.75	-	5.68	5.62	5.57	5.77	5.42	5.31	5.67
MW-73	5.96	-	5.88	-	5.99	-	5.7	-	6	-	6.14	5.8	-	6.17	-	5.96	-	-	6.16
MW-75	-	-	5.77	-	-	-	-	5.65	-	5.55	5.66	-	5.84	-	5.615	6.03	5.7	5.95	5.72
MW-76	-	6.09	6.32	-	6.34	-	6.29	-	-	5.95	6.15	-	6.21	6.22	-	6.21	-	-	6.2
MW-78	-	6.23	6.26	-	6.68	-	6.39	-	-	6.31	6.42	6.17	-	6.15	-	6.2	-	-	6.46
MW-79	-	6.16	5.97	-	6.15	-	6.25	-	-	6.15	6.04	5.89	-	5.98	-	5.79	-	-	5.59
MW-80	-	5.86	5.58	-	-	-	-	5.85	-	5.74	5.96	5.68	-	6.06	-	6.21	-	-	6.27
MW-81	-	6.23	5.96	-	6.24	-	-	5.98	-	6.16	6.22	-	5.89	5.96	-	-	6.01	-	6.04
MW-82	-	6.27	6.08	-	6.34	-	-	6.1	-	6.07	6.12	-	5.66	-	5.83	-	5.78	-	5.96
MW-83	-	6.41	6.29	-	6.56	-	6.66	-	-	5.97	6.08	-	6.24	6.05	-	6.28	-	-	5.92
PDMW-01	-	-	5.94	-	-	-	-	5.86	-	5.86	5.96	6.09	-	-	6.12	6.15	5.68	7.38	6.18
SV-02	-	6.1	6.27	6.27	-	5.86	-	5.47	-	5.77	5.54	-	5.95	-	6.12	-	6.19	-	5.96
SV-03	-	6.09	6.02	-	-	5.94	6.16	-	-	5.97	5.98	-	6.01	6.18	-	6.14	-	-	5.9
Temperature (deg c)																			
MW-64	-	13.3	15	-	-	13.8	-	13.6	-	14.1	14.42	-	14.1	14.3	-	-	14.6	-	14.1
MW-65	-	-	19.3	-	-	-	10.5	-	-	14.1	19.3	-	13.6	11.8	13.4	15.1	17.9	20.6	17.6
MW-73	10.2	-	18.2	-	14.5	-	7.8	-	12.7	-	17.8	14.8	-	9.1	-	13.3	-	-	17.9
MW-75	-	-	21.2	-	-	-	-	5.7	-	15.4	20.62	-	11.4	-	8.5	14.7	19.4	21.7	21.1
MW-76	-	12.8	21.6	-	13.9	-	5.9	-	-	15.7	22.9	-	11.8	7.6	-	15.4	-	-	20.6
MW-78	-	12.6	15.2	-	13.2	-	10	-	-	12.7	15.4	14.3	-	12	-	13.8	-	-	16.2
MW-79	-	12.4	14.3	-	13.4	-	11.6	-	-	12.7	15.5	13.4	-	11.4	-	13.5	-	-	15
MW-80	-	12.2	16.2	-	-	-	-	10.7	-	13.6	15.3	14.4	-	12.3	-	13.9	-	-	15.2
MW-81	-	12.4	15.5	-	14.3	-	-	11	-	12.8	16.15	-	14.3	11.8	-	-	13.7	-	15.1
MW-82	-	13.1	17.7	-	14.4	-	-	11.4	-	13.2	18	-	12.5	-	11	-	14.1	-	16
MW-83	-	14.2	20.3	-	14.2	-	10.6	-	-	14.2	19.4	-	12.9	11.8	-	14.7	-	-	17.7
PDMW-01	-	-	17.5	-	-	-	-	10.5	-	11.9	18	17.7	-	-	11.45	13.2	16.3	18	17.9
SV-02	-	14.3	17	22.9	-	9.1	-	3.75	-	19.72	22.13	-	10.6	-	5.4	-	21.49	-	22.5
SV-03	-	12.3	20.2	-	-	9.8	6.8	-	-	15.5	20.8	-	12.5	8.4	-	15.3	-	-	19.8

Notes:

- Not Measured
- mS/cm - milli-siemens per centimeter
- mg/L - milligrams/Liter
- mV - milli-volt

Table 4-2
 Summary of Groundwater Parameter Data
 Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
Conductivity (mS/cm)																			
MW-64	-	-	0.393	-	-	-	0.368	-	-	-	-	0.292	-	-	0.226	-	0.112	-	-
MW-65	0.326	0.258	0.355	0.265	0.322	0.433	0.328	0.293	0.207	0.187	0.207	0.207	0.304	0.211	0.314	0.216	0.27	0.283	0.281
MW-73	-	-	0.515	-	0.507	-	-	-	-	-	-	0.936	-	-	0.227	-	1.31	-	-
MW-75	0.132	0.124	0.455	0.134	0.11	0.878	0.316	0.211	0.18	0.2	-	0.188	0.19	0.143	0.335	0.269	0.294	0.269	0.211
MW-76	-	-	0.364	0.376	-	-	-	0.594	-	-	-	-	0.546	-	0.405	-	0.383	-	-
MW-78	-	-	0.301	-	-	0.439	-	-	-	-	-	0.274	-	-	0.278	-	-	0.231	-
MW-79	-	-	0.5	-	-	0.635	-	-	-	-	-	0.353	-	-	0.335	-	-	0.237	-
MW-80	-	-	0.505	-	-	0.39	-	-	-	-	-	0.344	-	-	0.246	-	-	0.287	-
MW-81	-	-	0.446	-	-	-	0.373	-	-	-	-	-	-	-	0.196	-	-	0.152	-
MW-82	-	-	0.37	-	-	-	-	-	-	-	-	-	0.261	0.221	0.2	0.247	0.271	0.282	0.3
MW-83	-	-	0.486	-	-	-	2.34	-	-	-	-	-	0.269	-	0.214	-	0.751	-	-
PDMW-01	0.82	0.321	0.456	0.369	0.397	0.425	0.382	0.269	0.221	0.304	0.307	0.306	0.367	0.273	0.381	0.276	0.283	0.33	0.286
SV-02	-	-	-	0.59	-	-	-	0.512	-	0.255	-	-	-	-	0.158	-	0.301	-	0.189
SV-03	0.5	-	-	-	-	-	-	0.785	-	-	0.282	-	0.466	-	-	0.371	-	0.542	-
Dissolved Oxygen (mg/L)																			
MW-64	-	-	0	-	-	-	0	-	-	-	-	0	-	-	0	-	1.55	-	-
MW-65	30	27	21	32	23	16	20	15	15	31	27	33	19	31	31	26	26	18	21
MW-73	-	-	0	-	0	-	-	-	-	-	-	0	-	-	0	-	1.98	-	-
MW-75	1	0	0	0	0	1.6	0.6	0	0	0	-	0	0	0	0.6	4	0.6	0.6	0
MW-76	-	-	0	0	-	-	-	0	-	-	-	-	0	-	0	-	0	-	-
MW-78	-	-	0	-	-	0	-	-	-	-	-	0	-	-	0	-	-	0	-
MW-79	-	-	0.53	-	-	0	-	-	-	-	-	13.5	-	-	4.26	-	-	0	-
MW-80	-	-	0	-	-	0	-	-	-	-	-	0	-	-	0	-	-	1.22	-
MW-81	-	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	-	0.87	-
MW-82	-	-	11.93	-	-	-	-	-	-	-	-	-	31	22	0	4	10	5	16
MW-83	-	-	9.19	-	-	-	11.75	-	-	-	-	-	4.01	-	11.21	-	3.02	-	-
PDMW-01	24	27	20	22	19	32	28	24	31	30	26	25	9	13	24	21	27	20	20
SV-02	-	-	-	2.46	-	-	-	3.95	-	1.32	-	-	-	0.07	-	3.75	-	0.94	-
SV-03	0	-	-	-	-	-	-	0	-	-	0	-	0	-	-	0.39	-	0	-
Oxidation Reduction Potential (mV)																			
MW-64	-	-	43	-	-	-	148	-	-	-	-	111	-	-	132	-	79	-	-
MW-65	41	71	145	146	205	-31	-118	-40	13	95	82	105	22	96	298	43	6	14	135
MW-73	-	-	-167	-	-194	-	-	-	-	-	-	-169	-	-	-115	-	-98	-	-
MW-75	-185	-10	-53	-103	-22	-219	-233	-321	-182	-224	-	-217	-134	-24	118	-19	-25	-18	-24
MW-76	-	-	-62	-115	-	-	-	-175	-	-	-	-	-199	-	-74	-	-35	-	-
MW-78	-	-	-120	-	-	-289	-	-	-	-	-	-232	-	-	-117	-	-	-43	-
MW-79	-	-	-121	-	-	-196	-	-	-	-	-	-96	-	-	-42	-	-	-118	-
MW-80	-	-	-194	-	-	-233	-	-	-	-	-	-229	-	-	-247	-	-	-172	-
MW-81	-	-	-163	-	-	-	-193	-	-	-	-	-	-	-	-47	-	-	-168	-
MW-82	-	-	-73	-	-	-	-	-	-	-	-	-	-83	110	-33	-136	-43	-65	70
MW-83	-	-	53	-	-	-	-88	-	-	-	-	-	62	-	70	-	1	-	-
PDMW-01	154	185	151	202	302	3	-75	87	96	49	139	184	99	133	474	134	41	26	125
SV-02	-	-	-	63	-	-	-	-33	-	66	-	-	-	99	-	343	-	29	-
SV-03	-132	-	-	-	-	-	-	-184	-	-	-77	-	-201	-	-	132	-	-80	-

Table 4-2
 Summary of Groundwater Parameter Data
 Brightwaters Yard Oxygen Injection System
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Monitoring Well	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08
pH (st. units)																			
MW-64	-	-	6.46	-	-	-	5.74	-	-	-	-	5.95	-	-	5.89	-	6.48	-	-
MW-65	5.86	5.8	6.07	5.57	5.46	5.54	5.57	5.71	5.86	5.78	5.5	5.77	5.69	5.62	5.09	6.65	5.73	5.67	5.57
MW-73	-	-	6.48	-	5.9	-	-	-	-	-	-	5.69	-	-	7.1	-	7.35	-	-
MW-75	6.06	5.74	6.23	5.37	5.63	5.3	5.58	5.82	5.9	5.6	-	5.64	5.43	6.33	4.83	6.93	4.87	5.57	5.65
MW-76	-	-	6.69	6.21	-	-	-	6.09	-	-	-	-	6.24	-	6.7	-	6.1	-	-
MW-78	-	-	7.11	-	-	6.2	-	-	-	-	-	6.49	-	-	7.7	-	-	6.3	-
MW-79	-	-	6.35	-	-	5.92	-	-	-	-	-	6	-	-	6.56	-	-	5.81	-
MW-80	-	-	6.46	-	-	6.07	-	-	-	-	-	6	-	-	7.2	-	-	5.86	-
MW-81	-	-	6.38	-	-	-	5.88	-	-	-	-	-	-	-	6.33	-	-	5.92	-
MW-82	-	-	6.38	-	-	-	-	-	-	-	-	-	5.91	6.16	4.8	7.85	5.78	6.05	5.81
MW-83	-	-	6.58	-	-	-	6.2	-	-	-	-	-	5.82	-	5.78	-	5.96	-	-
PDMW-01	6.29	6.15	6.66	6.11	6.14	6.26	6.22	6.25	6.4	6.31	6.31	6.22	5.96	5.85	5.23	5.92	6.18	6.16	6.09
SV-02	-	-	-	6.02	-	-	-	6.09	-	6.02	-	-	-	-	5.58	-	5.03	-	5.75
SV-03	6.4	-	-	-	-	-	-	5.67	-	-	6.04	-	6.06	-	-	5.35	-	5.83	-
Temperature (deg c)																			
MW-64	-	-	14.9	-	-	-	13.6	-	-	-	-	14.2	-	-	13.8	-	13.11	-	-
MW-65	17.6	14.9	14.9	14.8	12.4	10.7	10.7	13.1	11.8	18.4	18.9	18.4	17.7	17.7	14.7	12.6	10.1	10.9	11.5
MW-73	-	-	14.9	-	9.4	-	-	-	-	-	-	18	-	-	16.47	-	8.86	-	-
MW-75	19.2	15.7	13.1	12.2	9.1	5.5	7.1	12.2	13.9	17.6	-	20.4	19.1	18.41	12.4	8.9	7.6	6.8	8.7
MW-76	-	-	14.9	11.8	-	-	-	8.8	-	-	-	-	19.7	-	13.2	-	6.5	-	-
MW-78	-	-	14.1	-	-	11.4	-	-	-	-	-	14.3	-	-	13.59	-	-	9.5	-
MW-79	-	-	15	-	-	10.3	-	-	-	-	-	14.8	-	-	14.14	-	-	10.5	-
MW-80	-	-	15.6	-	-	11.4	-	-	-	-	-	15.3	-	-	15.45	-	-	11.62	-
MW-81	-	-	15.6	-	-	-	11.15	-	-	-	-	-	-	-	13.7	-	-	11.05	-
MW-82	-	-	15.3	-	-	-	-	-	-	-	-	-	15.1	14.16	14	11.5	10.4	10.2	11.4
MW-83	-	-	16.1	-	-	-	11.9	-	-	-	-	-	16.3	-	15.5	-	10.8	-	-
PDMW-01	19.1	18.1	17.1	15.6	14.3	11.7	11.5	11.5	11.3	15.1	16.5	17.9	18.9	18.08	17.2	14.8	12	10.8	11
SV-02	-	-	-	13.1	-	-	-	8.2	-	17.7	-	-	-	20.31	-	10	-	4.9	-
SV-03	14.6	-	-	-	-	-	-	8.7	-	-	20.9	-	18.7	-	-	11.7	-	7.6	-

Notes:
 - Not Measured
 mS/cm - milli-siemens
 per centimeter
 mg/L - milligrams/Liter
 mV - milli-volt

Table 4-3
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total Heterotrophic Plate Count (cfu/ml)										
		Q1 2001	Q2 2001	Q3 2001	Q4 2001	Q1 2002	Q2 2002	Q3 2002	Q4 2002	Q2 2004	Q3 2004	Q4 2004
BBMW-03S	3 - 13	--	--	--	--	5	--	--	--	--	--	--
BBMW-03I	30 - 40	--	--	--	--	2	--	--	--	--	--	--
BBMW-03D	52 - 62	--	--	--	--	9	--	--	--	--	--	--
BS-02S	5 - 15	>3,000	150	27	41,000	330	370,000	17,000	41,000	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	10	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	1	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	1	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	30	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	22	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	45	--	--	--	--	--	--
GMP-01	25 - 30	--	--	--	--	20	--	--	--	--	--	--
GMP-02	18 - 23	--	--	--	--	10	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	41	--	--	--	--	--	--
MW-02S	2 - 12	--	--	--	--	--	--	--	--	10,000	--	--
MW-02SR	2 - 12	--	--	--	--	--	--	--	--	--	TNTC	2,200
MW-16S	2 - 10	--	--	--	--	--	--	--	--	2,700	--	--
MW-16SR	2 - 10	--	--	--	--	--	--	--	--	--	TNTC	6,400
MW-30W	2 - 7	1,400	240	200	60,000	290	5,600	5,100	7,200	--	--	--
MW-34S	2 - 10	330	>300	2,200	220,000	>3,000	--	14,000	570	1,800	320	750
MW-46W	2 - 10	>3,000	>300	--	--	--	--	--	--	--	--	--
MW-46WR	2 - 10	--	--	--	--	--	--	--	46,000	24,000	13,000	6,600
MW-64	19 - 24	150	--	--	34,000	--	360,000	110,000	760	--	--	--
MW-70/70S	2 - 12	3,000	>300	6,000	4,100	140	1,900	3,700	57	660	TNTC	7,800
MW-71/71S	2 - 12	650	190	7,900	17,000	400	88	600	3,800	270	980	4,200
MWBS-02S	5 - 15	--	--	--	--	--	--	--	--	160	1,400	1,200
PDMW-01	5 - 20	--	--	--	--	--	--	--	--	150	83	78
PDMW-02	5 - 20	--	--	--	--	--	--	--	--	13	TNTC	200

Table 4-3
 Summary of Heterotrophic Plate Count Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Screen Interval (feet bgs)	Total Heterotrophic Plate Count (cfu/ml)												
		Q1 2005	Q2 2005	Q3 2005	Q4 2005	Q1 2006	Q2 2006	Q3 2006	Q4 2006	Q1 2007	Q2 2007	Q3 2007	Q4 2007	Q1 2008
BBMW-03S	3 - 13	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03I	30 - 40	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-03D	52 - 62	--	--	--	--	--	--	--	--	--	--	--	--	--
BS-02S	5 - 15	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25 - 30	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18 - 23	--	--	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02SR	2 - 12	1,600	1,400	2,500	1,100	1,200	95	350	1,000	560	70	190	300	76
MW-16S	2 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2 - 10	160	2,000	1,100	23,000	6,000	1,700	4100	30,000	12,000	3,200	2,000	416,400	137,500
MW-30W	2 - 7	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2 - 10	420	1,300	420	5,800	640	730	1900	1,000	2,200	130	9,000	370	1,000
MW-46W	2 - 10	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46WR	2 - 10	4,400	2,000	1,800	1,800	1,000	22,000	2800	4,600	2,100	560	8,600	3,200	15,000
MW-64	19 - 24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2 - 12	340	8,200	2,600	900	800	470	350	170	180	44	1,700	170	3,600
MW-71/71S	2 - 12	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5 - 15	250	100	220	340	260	55	45	26	74	16	100	160	280
PDMW-01	5 - 20	110	220	71	810	140	45	240	50	33	22	420	130	38
PDMW-02	5 - 20	29,000	2,200	2,300	6,000	4,300	3,000	720	2,400	1,700	390	2,000	110	2,100

Notes:

- cfu/ml - colony forming units per milliliter
- TNTC - too numerous to count
- bgs - below ground surface
- Not Sampled

Table 4-4
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation ¹ (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-09S	1/15/2008	13:43	2.00	21.93	7.21	14.72	
BBMW-09I	1/15/2008	13:44	2.00	22.01	7.29	14.72	
BBMW-09D	1/15/2008	13:45	2.00	22.43	7.71	14.72	
BBMW-28S	1/16/2008	10:01	2.00	16.43	2.69	13.74	
BBMW-28I	1/16/2008	10:02	2.00	16.43	2.70	13.73	
BBMW-29	1/16/2008	13:56	0.50	15.82	3.79	12.03	
BBMW-30S	1/16/2008	13:36	2.00	16.02	2.31	13.71	
BBMW-30I	1/16/2008	13:37	2.00	15.69	2.02	13.67	
BBMW-30D	1/16/2008	13:38	2.00	16.53	2.89	13.64	
BBMW-31S	1/16/2008	11:30	2.00	13.49	2.36	11.13	
BBMW-31I	1/16/2008	11:33	2.00	13.33	2.21	11.12	
BBMW-31D	1/16/2008	11:33	2.00	13.37	2.25	11.12	
BBMW-32S	1/16/2008	13:27	2.00	14.44	2.15	12.29	
BBMW-32I	1/16/2008	13:28	2.00	15.50	2.20	13.30	
BBMW-32D	1/16/2008	13:28	2.00	14.54	2.28	12.26	
BBMW-33	1/16/2008	13:51	2.00	16.58	3.19	13.39	
GM-02AS	1/16/2008	11:24	1.25	20.79	10.06	10.73	
GM-02AI	1/16/2008	11:25	1.25	20.75	9.99	10.76	
GM-02AD	1/16/2008	11:26	1.25	20.74	9.00	11.74	
IO-10	--	--	2.00	NS	NM	NC	
MW-01S	1/15/2008	14:33	4.00	19.34	3.41	15.93	
MW-01D	1/15/2008	14:34	4.00	19.48	3.53	15.95	
MW-02S/SR	1/15/2008	8:14	2	21.67	6.8	14.87	
MW-02I/R	1/15/2008	8:15	2	21.37	6.81	14.56	
MW-03	1/15/2008	13:57	4.00	19.30	3.91	15.39	
MW-04	1/17/2008	9:48	4.00	19.16	4.09	15.07	
MW-16S/SR	1/15/2008	13:33	2	21.80	6.99	14.81	
MW-16I	1/15/2008	13:34	2	21.77	6.84	14.93	
MW-29S	1/15/2008	14:28	2.00	18.34	2.68	15.66	
MW-29D	1/15/2008	14:29	2.00	18.44	2.81	15.63	
MW-30W/WR	1/16/2008	14:07	2.00	14.83	2.25	12.58	
MW-32W/WR	1/16/2008	10:46	0.50	14.65	1.56	13.09	
MW-34S	1/16/2008	14:02	0.75	15.69	2.21	13.48	
MW-34I	1/16/2008	14:03	0.75	15.73	2.25	13.48	
MW-34D	1/16/2008	14:03	1.00	15.58	2.20	13.38	
MW-45W	1/16/2008	13:45	0.75	15.20	1.64	13.56	
MW-64	1/16/2008	10:07	2.00	16.10	1.77	14.33	
MWBS-02S	--	--	1.00	13.58	NM	NC	Standing Water
MWBS-02I	--	--	0.75	13.46	NM	NC	Standing Water
MWBS-02D	--	--	0.75	13.54	NM	NC	Standing Water
BBSW-13*	1/16/2008	10:51	NA	13.07	2.61	10.46	Cooper Lane near unnamed pond

Notes:

1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum

NS - 2007 Survey Data Not Available

-- Not Available

MSL - Mean Sea Level

NM - Not Measured

NC - Not Calculated

* - Surface Water Gauging Station

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		December-78	October-92	June-97	August-97	March-98	June-98	November-99
BBMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	14.17
BBMW-09I	30.0 - 40.0	NM	NM	NM	NM	NM	NM	14.17
BBMW-09D	62.0 - 72.0	NM	NM	NM	NM	NM	NM	14.08
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	10.17	10.19	NM	NM	NM	NM	10.43
GM-02AI	35.24 - 50.24	10.12	10.21	NM	NM	NM	NM	10.46
GM-02AD	59.8 - 74.8	10.38	10.42	NM	NM	NM	NM	10.63
MW-01S	4.0 - 14.0	NM	NM	14.88	NM	NM	NM	NM
MW-01D	35.0 - 45.0	NM	NM	14.74	NM	NM	NM	NM
MW-02S/SR	2.0 -12.0	NM	14.67	NM	14.35	16.41	15.77	15.15
MW-02I/R	22.5 - 23.5	NM	NM	NM	15.1	16.74	NM	15.46
MW-03	4.94 - 14.94	NM	NM	15.19	14.34	16.2	15.65	14.8
MW-04	5.1 - 15.1	NM	NM	NM	14.09	NM	15.38	14.59
MW-16S/SR	2.0 - 10.0	NM	NM	NM	NM	15.32	14.8	13.88
MW-16I	14.0 - 19.0	NM	NM	NM	NM	15.66	15.11	14.22
MW-29S	5.0 - 10.0	NM	NM	NM	NM	NM	NM	15.12
MW-29D	14.0 - 19.0	NM	NM	NM	NM	16.52	NM	15.11
MW-30W/WR	2.0 - 10.0	NM	NM	15.2	14.57	15.89	15.37	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	13.42	12.76	14.2	13.64	NM
MW-34I	18.5 - 19.5	NM	NM	NM	12.77	14.17	13.66	13.12
MW-34D	27.5 - 28.5	NM	NM	NM	12.78	14.64	13.68	13.12
MW-45W	2.0 - 10.0	NM	NM	13.55	12.85	14.34	13.82	NM
MW-64	19.0 - 24.0	NM	NM	NM	NM	15.4	14.85	13.94
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	NM	NM
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM
MWBS-02D	24.5 - 25.5	NM	NM	NM	10.39	11.57	11.32	11

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		June-01	July-01	October-01	June-02	August-02	November-02	March-03
BBMW-09S	5.0 - 15.0	NM	NM	NM	14.84	12.61	14.85	15.27
BBMW-09I	30.0 - 40.0	NM	NM	NM	14.82	12.6	14.84	15.27
BBMW-09D	62.0 - 72.0	NM	NM	NM	14.78	12.61	14.81	15.25
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	NM	NM	NM	10.33	NM	NM	11.03
GM-02AI	35.24 - 50.24	NM	NM	NM	10.35	NM	NM	NM
GM-02AD	59.8 - 74.8	NM	NM	NM	10.44	NM	NM	11.32
MW-01S	4.0 - 14.0	15.39	NM	NM	NM	NM	13.64	15.89
MW-01D	35.0 - 45.0	15.57	NM	NM	NM	NM	13.66	15.88
MW-02S/SR	2.0 -12.0	15.47	14.42	13.7	15.47	13.02	NM	NM
MW-02I/R	22.5 - 23.5	NM	NM	NM	20.02	NM	NM	NM
MW-03	4.94 - 14.94	NM	NM	NM	13.53	13.18	15.32	15.98
MW-04	5.1 - 15.1	NM	NM	NM	14.85	12.98	16.28	19.16
MW-16S/SR	2.0 - 10.0	14.34	13.66	13.25	14.98	12.35	15.04	15.5
MW-16I	14.0 - 19.0	NM	NM	NM	14.92	12.7	14.89	15.32
MW-29S	5.0 - 10.0	NM	NM	NM	NM	13.55	15.69	16.3
MW-29D	14.0 - 19.0	NM	NM	NM	NM	13.53	15.68	16.34
MW-30W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	14.13
MW-34I	18.5 - 19.5	NM	NM	NM	13.05	NM	NM	14.08
MW-34D	27.5 - 28.5	NM	NM	NM	13.07	NM	NM	14.07
MW-45W	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-64	19.0 - 24.0	NM	NM	NM	NM	NM	NM	NM
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	NM	NM
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	NM	NM
MWBS-02D	24.5 - 25.5	NM	NM	NM	11.3	NM	NM	NM

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)						
		July-03	September-03	October-03	January-04	April-04	August-04	October-04
BBMW-09S	5.0 - 15.0	15.28	14.22	NM	14.65	15.41	14.05	14.48
BBMW-09I	30.0 - 40.0	15.25	14.22	NM	14.64	15.39	14.04	14.47
BBMW-09D	62.0 - 72.0	15.28	14.22	NM	14.63	16.37	14.04	14.48
BBMW-28S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
BBMW-28I	10.0 - 20.0	NM	NM	NM	NM	NM	NM	NM
BBMW-29	2.0 - 9.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	NM
GM-02AS	8.91 - 23.91	11.03	10.23	NM	10.69	11.86	10.08	10.35
GM-02AI	35.24 - 50.24	NM	10.24	NM	10.74	11.87	10.1	10.37
GM-02AD	59.8 - 74.8	11.22	10.42	NM	10.97	12.03	10.25	10.59
MW-01S	4.0 - 14.0	16.59	16.54	15.93	NM	15.93	17.36	15.33
MW-01D	35.0 - 45.0	16.61	16.58	15.64	NM	15.95	17.38	15.37
MW-02S/SR	2.0-12.0	NM	NM	14.79	14.93	16.47	NM	14.58
MW-02I/R	22.5 - 23.5	NM	NM	NM	NM	NM	NM	14.11
MW-03	4.94 - 14.94	16	15.02	NM	15.31	16.77	14.67	15.18
MW-04	5.1 - 15.1	15.84	14.89	NM	NM	16.61	14.57	15.19
MW-16S/SR	2.0 - 10.0	15.4	14.35	NM	14.79	16.47	NM	14.14
MW-16I	14.0 - 19.0	15.29	14.28	NM	14.71	16.08	NM	14.64
MW-29S	5.0 - 10.0	16.24	15.35	NM	15.64	17.84	15.09	15.48
MW-29D	14.0 - 19.0	NM	15.34	NM	15.65	17.03	15.08	15.48
MW-30W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-32W/WR	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM
MW-34S	2.0 - 10.0	14.07	13.01	NM	13.52	14.8	12.97	13.28
MW-34I	18.5 - 19.5	14.02	12.98	NM	13.48	14.76	12.92	13.25
MW-34D	27.5 - 28.5	14.03	12.98	NM	13.47	14.8	12.93	13.26
MW-45W	2.0 - 10.0	NM	13.32	NM	13.71	14.87	13.2	13.4
MW-64	19.0 - 24.0	NM	13.95	NM	14.87	15.77	13.85	14.21
MWBS-02S	5 - 15	NM	NM	NM	NM	NM	10.77	10.97
MWBS-02I	14.5 - 15.5	NM	NM	NM	NM	NM	10.69	10.91
MWBS-02D	24.5 - 25.5	NM	NM	NM	NM	NM	10.69	10.95

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		February-05	May-05	August-05	November-05	February-06	May-06	July/Aug-06	November-06
BBMW-09S	5.0 - 15.0	15.17	14.99	13.79	15.55	15.43	14.93	14.63	15.09
BBMW-09I	30.0 - 40.0	15.16	14.97	13.8	15.54	15.42	14.92	14.63	15.10
BBMW-09D	62.0 - 72.0	15.16	14.99	13.8	15.52	15.42	14.93	14.63	15.11
BBMW-28S	2.0 - 12.0	14.31	14.05	12.96	14.45	14.35	13.97	13.65	14.11
BBMW-28I	10.0 - 20.0	14.28	14.04	12.94	14.45	14.34	13.96	13.63	14.09
BBMW-29	2.0 - 9.0	12.41	12.22	11.28	12.53	12.46	12.17	11.8	12.28
BBMW-30S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-30D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-31D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32S	2.0 - 10.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32I	14.0 -19.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-32D	30.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM
BBMW-33	7.0 - 12.0	NM	NM	NM	NM	NM	NM	13.22	13.72
GM-02AS	8.91 - 23.91	10.94	10.9	9.94	11.24	11.09	10.83	10.38	10.93
GM-02AI	35.24 - 50.24	10.96	10.92	9.96	11.26	11.11	10.85	10.4	10.96
GM-02AD	59.8 - 74.8	11.17	11.11	10.06	11.47	11.36	11.05	10.52	11.16
MW-01S	4.0 - 14.0	15.77	16.47	16.38	15.08	16.95	16.77	16.28	16.01
MW-01D	35.0 - 45.0	15.8	16.46	16.4	15.21	16.87	16.79	16.3	16.07
MW-02S/SR	2.0 -12.0	15.29	15.09	NM	NM	NM	NM	14.77	15.23
MW-02I/R	22.5 - 23.5	NM	NM	NM	NM	NM	NM	NM	NC
MW-03	4.94 - 14.94	15.85	15.73	14.49	16.28	16.15	15.65	15.38	15.79
MW-04	5.1 - 15.1	15.55	15.55	14.34	16.13	15.9	15.45	15.19	15.56
MW-16S/SR	2.0 - 10.0	14.96	15.15	13.52	15.7	15.6	15.01	14.75	15.29
MW-16I	14.0 - 19.0	15.25	15.13	NM	15.56	15.46	14.98	14.7	15.15
MW-29S	5.0 - 10.0	16.17	16.02	14.84	16.53	16.39	15.91	15.69	16.07
MW-29D	14.0 - 19.0	16.15	16.01	14.83	16.52	16.38	15.91	15.68	16.06
MW-30W/WR	2.0 - 10.0	15.3	15.09	14.17	15.4	15.34	15.03	14.69	15.13
MW-32W/WR	2.0 - 10.0	13.57	13.36	12.36	13.72	13.6	13.26	12.96	13.41
MW-34S	2.0 - 10.0	14	13.73	12.73	14.12	14.03	13.59	13.35	13.81
MW-34I	18.5 - 19.5	13.97	13.72	12.74	14.12	14.01	13.65	13.35	13.80
MW-34D	27.5 - 28.5	13.97	13.72	12.75	14.13	14.01	13.66	13.35	14.30
MW-45W	2.0 - 10.0	14.13	13.97	12.85	14.26	14.15	13.78	13.49	13.97
MW-64	19.0 - 24.0	NM	14.73	13.58	15.09	15.07	14.61	14.24	14.75
MWBS-02S	5 - 15	11.58	11.44	10.59	11.7	11.6	11.38	10.93	11.46
MWBS-02I	14.5 - 15.5	11.57	11.42	10.55	11.66	11.6	11.39	10.94	11.45
MWBS-02D	24.5 - 25.5	11.45	11.44	10.61	11.73	11.6	11.39	10.88	11.47

Table 4-5
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		January-07	May-07	July/Aug-07	Oct/Nov-07	January-08	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	15.02	15.44	14.67	13.75	14.72	12.61	14.71	15.55
BBMW-09I	30.0 - 40.0	15.02	15.44	14.69	13.76	14.72	12.6	14.70	15.54
BBMW-09D	62.0 - 72.0	15.01	15.45	14.65	13.74	14.72	12.61	14.74	16.37
BBMW-28S	2.0 - 12.0	14.07	14.36	13.72	12.89	13.74	12.89	13.89	14.45
BBMW-28I	10.0 - 20.0	14.06	14.34	13.71	12.88	13.73	12.88	13.88	14.45
BBMW-29	2.0 - 9.0	12.25	12.53	11.87	11.30	12.03	11.28	12.09	12.53
BBMW-30S	2.0 - 10.0	NM	NM	13.68	12.93	13.71	12.93	13.44	13.71
BBMW-30I	14.0 - 19.0	NM	NM	13.70	12.92	13.67	12.92	13.43	13.7
BBMW-30D	30.0 - 35.0	NM	NM	13.67	12.91	13.64	12.91	13.41	13.67
BBMW-31S	2.0 - 10.0	NM	NM	10.76	10.51	11.13	10.51	10.80	11.13
BBMW-31I	14.0 - 19.0	NM	NM	10.77	10.52	11.12	10.52	10.80	11.12
BBMW-31D	30.0 - 35.0	NM	NM	10.77	10.52	11.12	10.52	10.80	11.12
BBMW-32S	2.0 - 10.0	NM	NM	12.15	11.58	12.29	11.58	12.01	12.29
BBMW-32I	14.0 - 19.0	NM	NM	13.16	12.59	13.30	12.59	13.02	13.3
BBMW-32D	30.0 - 35.0	NM	NM	13.09	11.56	12.26	11.56	12.30	13.09
BBMW-33	7.0 - 12.0	13.59	13.93	13.24	12.56	13.39	12.56	13.38	13.93
GM-02AS	8.91 - 23.91	10.94	11.31	10.46	10.10	10.73	9.94	10.67	11.86
GM-02AI	35.24 - 50.24	10.94	11.33	10.48	10.12	10.76	9.96	10.66	11.87
GM-02AD	59.8 - 74.8	11.20	11.51	10.61	10.26	11.74	10.06	10.91	12.03
MW-01S	4.0 - 14.0	16.39	16.37	16.79	16.01	15.93	13.64	16.03	17.36
MW-01D	35.0 - 45.0	16.4	16.38	16.8	16	15.95	13.66	16.04	17.38
MW-02S/SR	2.0 - 12.0	15.13	15.58	14.86	13.87	14.87	13.02	14.95	16.47
MW-02I/R	22.5 - 23.5	NC	NC	NC	13.83	14.56	13.83	15.69	20.02
MW-03	4.94 - 14.94	15.74	16.16	15.38	14.43	15.39	13.18	15.34	16.77
MW-04	5.1 - 15.1	15.52	15.73	15.14	14.20	15.07	12.98	15.35	19.16
MW-16S/SR	2.0 - 10.0	15.11	15.92	15.03	13.89	14.81	12.35	14.75	16.47
MW-16I	14.0 - 19.0	15.07	15.66	14.77	13.84	14.93	12.7	14.93	16.08
MW-29S	5.0 - 10.0	16.00	16.41	15.67	NM	15.66	13.55	15.80	17.84
MW-29D	14.0 - 19.0	16.00	16.40	15.66	NM	15.63	13.53	15.77	17.03
MW-30W/WR	2.0 - 10.0	15.1	15.4	14.74	11.83	12.58	11.83	14.75	15.89
MW-32W/WR	2.0 - 10.0	13.32	13.64	12.99	12.3	13.09	12.3	13.20	13.72
MW-34S	2.0 - 10.0	13.75	14.07	13.38	NM	13.48	12.73	13.65	14.8
MW-34I	18.5 - 19.5	13.75	14.07	13.38	NM	13.48	12.74	13.60	14.76
MW-34D	27.5 - 28.5	13.76	14.08	13.38	NM	13.38	12.75	13.64	14.8
MW-45W	2.0 - 10.0	13.88	14.22	13.51	12.79	13.56	12.79	13.71	14.87
MW-64	19.0 - 24.0	14.72	14.99	14.35	13.49	14.33	13.49	14.54	15.77
MWBS-02S	5 - 15	11.47	11.65	11.06	10.67	NC	10.59	11.23	11.7
MWBS-02I	14.5 - 15.5	11.45	11.58	10.99	10.63	NC	10.55	11.20	11.66
MWBS-02D	24.5 - 25.5	11.47	11.28	11.05	10.67	NC	10.39	11.17	11.73

Note:
 NM - not measured
 bgs - below ground surface
 Well Elevations obtained from 2007 Survey and reference NVGD88 datum

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)													
		Sampling Date													
		1992	1997		1998			1999				2000			
Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	Feb	May	Sept	Nov/Dec		
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	15	--	--	--	
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	--	--	--	
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
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-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--	--	
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--	--	
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--	--	
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-01D	35.0 - 45.0	0	--	--	0	--	--	--	--	0	--	--	--	--	
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	0	--	--	--	--	
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65	199	33	--	
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	
MW-03	4.94 - 14.94	--	35	--	1	--	--	--	--	--	178	--	--	--	
MW-04	5.1 - 15.1	--	1	--	0	--	--	--	--	--	0	--	--	--	
MW-11W	2.0 - 10.0	--	--	--	--	2,130	635	1,355	4,070	6,910	2,547	1,401	2,360	1,390	
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0	6	12	0	
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	
MW-16W	2.0 - 10.0	--	55	--	--	--	--	--	--	--	--	--	--	--	
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--	--	
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	8	
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0	0	0	10	
MW-30W/W-R	2.0 - 10.0	--	11,740	--	--	--	--	--	--	--	--	--	--	27,200	
MW-32W/W-R	2.0 - 10.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--	--	--	--	
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	0	15	0	55	
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6	10	3	0	
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	
MW-45W	2.0 - 10.0	--	--	5,500	--	195	--	--	--	--	--	--	--	13,230	
MW-46W/W-R	2.0 - 10.0	--	30,000	--	29,900	--	--	--	--	--	--	--	--	57,900	
MW-64	19.0 - 24.0	--	--	--	0	0	0	0	0	0	0	25	--	0	
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--	31	0	0	
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--	--	
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	
MW-68D	25.0 - 30.0	--	--	--	0	0	1	172	2	0	0	--	--	--	
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	41,100	
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	8,160	
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
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-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530	0	0	0	
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7	12	0	4,740	
MWBS-02S	5.0 - 15.0	--	997	60	0	--	221	264	40	0	5,510	50	0	6	
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)												
		Sampling Date												
		2001				2002							2003	
		Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	2	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	2	--	3	5	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
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-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	63
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
MW-03	4.94 - 14.94	--	--	--	--	--	24	24	--	3	28	23	85	93
MW-04	5.1 - 15.1	--	--	--	--	--	--	2	--	28	9	0	69	0
MW-11W	2.0 - 10.0	242	4,900	170	489	--	2,410	--	175	101	17	172	382	16
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	2	--	--	--	--	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
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	--
MW-29S	5.0 - 10.0	0	2	0	0	--	--	--	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	16	0	40	6,240	--	77	--	0	104	170	--	--	--
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	2,290	4,832
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	0	--	--	--	0	--
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	3,690	--	--	--	--	--
MW-34S	2.0 - 10.0	5	3,530	1,500	8	--	71	--	7,440	179	2,142	2,141	17,300	2,827
MW-45W	2.0 - 10.0	53,700	1,240	24	219	--	--	2,550	7	1	0	--	8,500	720
MW-46W/W-R	2.0 - 10.0	23,800	17,300	--	--	--	--	--	--	--	21,100	35,800	18,800	8,800
MW-64	19.0 - 24.0	0	0	--	84	--	--	9	0	0	14	85,000	0	0
MW-65	11.0 - 16.0	1	0	51	0	--	--	9	0	0	31	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	7,920	31	7	0	--	403	--	100	3	5	23,800	12	1,170
MW-73	2.0 - 12.0	--	--	--	--	29,500	8,990	7,140	9,400	26,600	5,220	--	64,000	89,000
MW-75	2.0 - 12.0	--	--	--	6,580	4,010	78	45	65,700	82,800	158	1,420	161,100	110,500
MW-76	2.0 - 12.0	--	--	--	--	2,702	230	37	252	4,560	21	--	109	136
MW-78	5.0 - 20.0	--	--	--	--	17,400	3,790	2,156	2,840	17,700	1,320	11,960	30,800	42,000
MW-79	5.0 - 20.0	--	--	--	--	--	2,090	627	74,200	87,100	12,700	69,800	101,600	93,700
MW-80	5.0 - 20.0	--	--	--	--	48,000	635	457	6,220	87,600	387	33,300	88,000	126,000
MW-81	5.0 - 20.0	--	--	--	--	--	1,449	1,318	28,200	31,600	1,530	12,930	53,600	33,000
MW-82	5.0 - 20.0	--	--	--	--	5,840	1,269	110	26,900	48,300	1,444	17,910	245,000	46,000
MW-83	5.0 - 20.0	--	--	--	--	189	120	3	458	1,297	8	62	40	950
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	3	--	--	0	--	--
MWBS-02I	14.5 - 15.5	0	59	20	0	--	84	--	0	0	--	0	--	--
MWBS-02S	5.0 - 15.0	4	0	0	0	--	1	--	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	694	885	--	307	1,727	1,033	1,110	1,911
MW-UST2	2.0 - 12.0	--	--	--	--	--	661	1,340	--	335	599	1,160	2,400	1,854
MW-UST3	2.0 - 12.0	--	--	--	--	--	75	141	--	21	46	33	79	74
PDMW-01	5.0 - 20.0	--	--	--	--	30,700	19,700	23,100	--	--	14,500	1,400	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	86,100	72,600	67,700	93,600	53,300	--	--	68,000	74,000
SV-02	2.0 - 12.0	--	--	--	--	52	40	2	137	820	2	127	73,800	92,300
SV-03	2.0 - 12.0	--	--	--	--	14,780	203	90	2,110	6,410	4	5,870	9,810	23,100

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)											
		Sampling Date											
		2004				2005				2006			
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	0	0	0	4,368	974	134	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	5,380	83	10	21,100	290	3,627	45	0	0	0	101
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
MW-01S	4.0 - 14.0	--	--	--	0	--	--	--	460	--	0	0	0
MW-02I/I-R	22.5 - 23.5	14	--	--	--	62	--	--	--	0	--	--	--
MW-02S/S-R	2.0 - 12.0	149,000	172,400	22,000	427	2,050	13	94	194	945	51	0	68
MW-03	4.94 - 14.94	35	51	52	0	22	28	24	27	0	24	28	14
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	12	0	0	0
MW-11W	2.0 - 10.0	0	0	0	1,449	30	6,580	1,400	2,071	190	61	0	933
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	0	--	--	--	0	--	--	--
MW-16SR	2.0 - 10.0	354	1,320	41,800	317	66,800	65,500	34,600	45,820	42,100	15,000	17,900	18,600
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	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
MW-30W/W-R	2.0 - 10.0	--	--	--	--	0	0	10	0	0	106	130	0
MW-32W/W-R	2.0 - 10.0	1,189	2,048	74,400	33,300	8,413	5,171	4,400	9,200	4,565	5,950	5,100	1,502
MW-34D	27.5 - 28.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-34I	18.5 - 19.5	4,090	--	--	--	1,348	--	--	--	0	--	--	--
MW-34S	2.0 - 10.0	13,000	13,900	3,364	12,370	5,068	11,700	29,200	3,820	14,600	25,500	9,240	5,760
MW-45W	2.0 - 10.0	1,950	25,000	2,780	11,300	39,300	14,000	19,300	16,100	14,600	2,214	1,720	5,770
MW-46W/W-R	2.0 - 10.0	--	20,800	23,100	22,500	37,100	40,200	42,400	15,760	17,110	7,270	2,750	2,330
MW-64	19.0 - 24.0	0	0	24	7,650	0	5,651	0	750	19	0	0	0
MW-65	11.0 - 16.0	0	0	0	3,852	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	1,114	6,150	39,400	70	267	45,500	57,000	4,630	4,360	175	277	363
MW-73	2.0 - 12.0	34,000	33,000	71,500	27,700	26,700	26,500	52,000	557	8,460	14,520	36,200	15,070
MW-75	2.0 - 12.0	4,060	1,302	34,500	212	1,815	129,200	157,100	17,000	5,389	1,540	3,600	491
MW-76	2.0 - 12.0	0	--	0	33	0	170	23	0	27	0	0	0
MW-78	5.0 - 20.0	11,800	18,200	13,400	8,400	15,700	21,800	8,700	3,090	5,900	4,710	18,100	4,080
MW-79	5.0 - 20.0	116,000	82,600	34,820	24,100	32,300	9,800	7,300	588	3,740	3,320	1,220	7,690
MW-80	5.0 - 20.0	118,000	96,000	81,400	66,900	132,000	197,000	301,000	38,300	44,000	38,700	6,170	41,100
MW-81	5.0 - 20.0	63,000	--	20,400	35,200	37,800	22,870	29,100	15,660	5,000	9,510	3,499	16,900
MW-82	5.0 - 20.0	20,280	--	30,300	10,400	5,340	25,300	140	58,900	44,200	30,000	43,400	21,800
MW-83	5.0 - 20.0	0	--	0	1,543	788	980	1,280	142	101	0	5,042	161
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	0	--	--	--	87	--	--	--	0	--	--	--
MWBS-02I	14.5 - 15.5	--	--	0	0	0	0	0	0	0	0	0	0
MWBS-02S	5.0 - 15.0	2,853	323	0	0	22	82	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	51	1,563	2,717	240	122	660	830	1,083	117	1,270	2,400	944
MW-UST2	2.0 - 12.0	440	1,172	3,834	1,430	3,117	1,880	2,700	1,410	1,652	1,925	3,011	1,250
MW-UST3	2.0 - 12.0	145	320	0	22	247	41	12	0	0	19	0	0
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	115,900	117,600	82,000	83,000	90,000	60,300	37,300	100,000	19,500	85,100	67,500	98,000
SV-02	2.0 - 12.0	0	--	0	0	0	26,900	24,900	25,500	1,600	32	27,400	42
SV-03	2.0 - 12.0	33,200	--	615	4,400	936	5,509	249	2,702	570	257	831	116

Table 4-6
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentrations (ug/L)									
		Sampling Date									
		2007				2008	Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
March	May-July	Aug-Oct	Oct-Dec	Jan-Mar							
BBMW-09D	62.0 - 72.0	0	--	0	--	0	0	15	4	0	15
BBMW-09I	30.0 - 40.0	0	--	0	--	0	0	0	0	0	0
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	85	4	0	85
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	4,368	456	0	4,368
BBMW-30D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	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
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	0	0	0	0	1	0	0	0	0	1
BW-UST-28	5.0 - 10.0	--	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
GM-02AD	59.8 - 74.8	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	2,300	0	0	83	0	0	21,100	2,201	0	21,100
MW-01D	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0
MW-01S	4.0 - 14.0	0	0	0	0	0	0	460	35	0	460
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	0	238,900	13,707	0	238,900
MW-02S/S-R	2.0 - 12.0	346	625	1695	248	27	0	295,000	89,878	0	295,000
MW-03	4.94 - 14.94	0	0	20	18	5	0	178	32	0	178
MW-04	5.1 - 15.1	0	0	0	0	0	0	69	5	0	69
MW-11W	2.0 - 10.0	42	110	62	97	95	0	6,910	1,247	0	6,910
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-16I	14.0 - 19.0	0	103	0	59	84	0	103	17	0	103
MW-16SR	2.0 - 10.0	12,250	6,050	15870	20770	36270	317	122,600	33,362	317	122,600
MW-16W	2.0 - 10.0	--	--	--	--	--	55	55	55	55	55
MW-17W	2.0 - 10.0	--	--	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	0	--	--	--	0	0
MW-29D	14.0 - 19.0	0	0	0	0	0	0	8	0	0	8
MW-29S	5.0 - 10.0	0	0	0	0	0	0	10	0	0	10
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	27,200	2,083	0	27,200
MW-32W/W-R	2.0 - 10.0	1,060	567	1080	8510	2317	567	74,400	11,629	567	74,400
MW-34D	27.5 - 28.5	0	0	0	0	0	0	16,200	815	0	16,200
MW-34I	18.5 - 19.5	0	0	5	934	40	0	25,600	1,983	0	25,600
MW-34S	2.0 - 10.0	85	9,750	35100	19800	7750	5	49,500	13,165	5	49,500
MW-45W	2.0 - 10.0	3,200	43,400	1236	1717	3600	0	53,700	9,654	0	53,700
MW-46W/W-R	2.0 - 10.0	1,256	3,810	915	1400	8130	915	57,900	20,296	915	57,900
MW-64	19.0 - 24.0	0	0	0	0	0	0	85,000	2,756	0	85,000
MW-65	11.0 - 16.0	0	0	0	0	4	0	3,852	121	0	3,852
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	0	172	25	0	172
MW-70/70S	2.0 - 12.0	31	268	351	1577	11590	0	57,000	8,422	0	57,000
MW-73	2.0 - 12.0	18,700	22,500	15300	14000	12800	557	89,000	27,357	557	89,000
MW-75	2.0 - 12.0	580	355	9420	2254	268	45	161,100	30,816	45	161,100
MW-76	2.0 - 12.0	0	0	4	7	2	0	4,560	361	0	4,560
MW-78	5.0 - 20.0	2,320	3,050	2480	2270	54	1,320	42,000	10,959	54	42,000
MW-79	5.0 - 20.0	13,900	2,840	2030	542	3160	542	116,000	32,692	542	116,000
MW-80	5.0 - 20.0	148,000	26,100	41000	106000	3220	387	301,000	74,891	387	301,000
MW-81	5.0 - 20.0	65,800	16,100	36300	61800	8690	1,318	65,800	26,199	1,318	65,800
MW-82	5.0 - 20.0	7,144	14,460	4338	17989	1164	110	245,000	30,282	110	245,000
MW-83	5.0 - 20.0	41	2,320	6761	39	36	0	6,761	930	0	6,761
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	151	51	0	151
MWBS-02D	24.5 - 25.5	0	0	0	0	17	0	17,530	1,062	0	17,530
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	9,998	487	0	9,998
MWBS-02S	5.0 - 15.0	0	0	0	8	0	0	5,510	268	0	5,510
MW-UST1	2.0 - 12.0	950	1,250	796	470	--	51	2,717	1,006	51	2,717
MW-UST2	2.0 - 12.0	960	1,260	1173	1686	--	335	3,834	1,620	335	3,834
MW-UST3	2.0 - 12.0	14	0	6	4	--	0	320	56	0	320
PDMW-01	5.0 - 20.0	0	0	0	70920	0	0	70,920	6,970	0	70,920
PDMW-02	5.0 - 20.0	62,700	79,700	68020	84400	70570	19,500	117,600	76,797	19,500	117,600
SV-02	2.0 - 12.0	0	0	26000	0	0	0	92,300	12,486	0	92,300
SV-03	2.0 - 12.0	65	207	185	341	105	4	33,200	4,690	4	33,200

Table 4-6
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)													
		Sampling Date													
		1992		1997			1998			1999			2000		
Sept	June	Aug	Mar	June	Dec	Mar	June	Sept	Oct/Nov	Feb	May	Sept	Nov/Dec		
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0	--	--	--	
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	--	--	--	
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
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-02AD	59.8 - 74.8	0	--	--	--	--	--	--	0	0	--	--	--	--	
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	0	0	--	--	--	--	
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	0	0	--	--	--	--	
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-01D	35.0 - 45.0	0	--	--	1	--	--	--	--	0	--	--	--	--	
MW-01S	4.0 - 14.0	0	0	--	0	--	--	--	--	0	--	--	--	--	
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	0	53	--	--	
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-03	4.94 - 14.94	--	40	--	0	--	--	--	--	--	77	--	--	--	--
MW-04	5.1 - 15.1	--	4	--	99	--	--	--	--	--	0	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	861	222	142	298	469	62	290	389	--	178
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7	0	0	0	--
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
MW-16W	2.0 - 10.0	--	3	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	2	--
MW-29S	5.0 - 10.0	--	--	--	--	0	0	--	0	516	0	0	2	0	--
MW-30W/W-R	2.0 - 10.0	--	753	--	--	--	--	--	--	--	--	--	--	--	1,300
MW-32W/W-R	2.0 - 10.0	--	322	--	--	730	1,435	810	368	--	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0	0	0	2	--
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0	0	203	0	--
MW-34S	2.0 - 10.0	--	333	1,002	--	1,035	1,604	341	1,355	1,157	502	611	381	--	518
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--	--	--	781	10
MW-46W/W-R	2.0 - 10.0	--	1,482	--	4,156	--	--	--	--	--	--	--	--	2,141	228
MW-64	19.0 - 24.0	--	--	--	1	0	0	12	3	0	14	0	13	97	0
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--	9	34	8	13
MW-66D	24.0 - 29.0	--	--	--	2	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	1	0	0	3	0	0	0	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	1,720	84
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	64	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237	0	0	0	--
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0	11	258	3	261
MWBS-02S	5.0 - 15.0	--	167	24	0	--	262	36	5	79	245	274	81	115	105
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)												
		Sampling Date												
		2001				2002					2003			
		Mar	June	Sept	Dec	Jan/Feb	Mar	Apr/May	June/July	Aug/Sept	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	0	--	--	--	--	--	
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--	
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	99	--	99	53	0	0	
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	
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-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	
MW-01S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	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
MW-03	4.94 - 14.94	--	--	--	--	--	103	85	--	89	50	0	45	42
MW-04	5.1 - 15.1	--	--	--	--	--	--	90	--	99	--	0	53	130
MW-11W	2.0 - 10.0	265	363	159	156	--	246	--	225	145	22	21	35	11
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	0
MW-16SR	2.0 - 10.0	--	--	77	38,045	6,557	3,414	1,558	2,430	6,140	214	72	590	649
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	0	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	--	--	--	0	0	0	0	0	0
MW-30W/W-R	2.0 - 10.0	228	229	4	125	--	55	--	0	8	2	--	--	--
MW-32W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	11	130
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	0	--	--	--	0	96
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	22	--	--	--	--	--
MW-34S	2.0 - 10.0	130	0	30	1	--	0	--	85	0	22	27	130	30
MW-45W	2.0 - 10.0	1,676	11	0	6	--	--	52	2	64	0	--	49	38
MW-46W/W-R	2.0 - 10.0	0	21	--	--	--	--	--	--	--	380	690	264	160
MW-64	19.0 - 24.0	14	2	--	50	--	--	0	1	9	0	1,600	0	0
MW-65	11.0 - 16.0	34	4	--	228	--	--	0	0	0	38	0	65	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	2	1	0	4	--	7	--	4	3	0	200	18	32
MW-73	2.0 - 12.0	--	--	--	--	1,471	223	213	738	1,336	280	--	940	1,557
MW-75	2.0 - 12.0	--	--	--	73	153	93	100	2,553	2,863	58	0	1,700	1,490
MW-76	2.0 - 12.0	--	--	--	--	142	105	101	116	115	58	--	15	120
MW-78	5.0 - 20.0	--	--	--	--	1,439	371	278	161	735	66	550	692	958
MW-79	5.0 - 20.0	--	--	--	--	--	120	106	6,015	2,911	234	2,000	1,100	1,380
MW-80	5.0 - 20.0	--	--	--	--	1,511	88	2,316	152	1,426	53	1,100	1,178	1,700
MW-81	5.0 - 20.0	--	--	--	--	--	118	129	2,345	1,382	101	780	2,100	1,611
MW-82	5.0 - 20.0	--	--	--	--	245	138	83	2,784	3,090	49	390	570	810
MW-83	5.0 - 20.0	--	--	--	--	116	98	108	108	180	180	0	14	29
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	0	--	--	0	--	--
MWBS-02I	14.5 - 15.5	576	513	122	3	--	4	--	2	8	0	0	--	--
MWBS-02S	5.0 - 15.0	242	39	2	84	--	164	--	0	0	0	0	18	24
MW-UST1	2.0 - 12.0	--	--	--	--	--	247	216	--	112	979	230	96	344
MW-UST2	2.0 - 12.0	--	--	--	--	--	263	330	--	101	53	140	357	227
MW-UST3	2.0 - 12.0	--	--	--	--	--	92	134	--	105	--	0	14	25
PDMW-01	5.0 - 20.0	--	--	--	--	1,538	1,432	1,431	--	--	2,188	13,000	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	1,929	2,181	1,933	5,848	3,250	--	--	1,130	1,714
SV-02	2.0 - 12.0	--	--	--	--	95	112	99	99	186	103	0	430	515
SV-03	2.0 - 12.0	--	--	--	--	332	95	108	297	279	49	190	280	548

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)											
		Sampling Date											
		2004				2005				2006			
		Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	0	0	0	0	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	0	0	68	0	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	0	0	0	170	120	37	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	625	0	0	937	91	350	0	0	0	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	263	0
MW-01S	4.0 - 14.0	--	--	--	0	--	--	--	0	--	0	0	0
MW-02I/I-R	22.5 - 23.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-02S/S-R	2.0 - 12.0	2,400	2060	254	0	14	0	0	0	0	0	0	0
MW-03	4.94 - 14.94	26	19	43	19	21	34	40	57	0	28	35	34
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0	0	0
MW-11W	2.0 - 10.0	0	1729	0	110	0	10	0	27	15	18	0	19
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	0	--	--	--	57	--	--	--	0	--	--	--
MW-16SR	2.0 - 10.0	0	0	1,022	2,068	3,500	3,900	3,611	1,280	2,183	1,870	1,056	676
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	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
MW-30W/W-R	2.0 - 10.0	--	--	--	--	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 10.0	0	0	370	877	55	59	0	180	110	89	98	100
MW-34D	27.5 - 28.5	0	--	--	--	0	--	--	--	0	--	--	--
MW-34I	18.5 - 19.5	496	--	--	--	290	--	--	--	0	--	--	--
MW-34S	2.0 - 10.0	160	130	49	210	212	52	67	110	461	397	210	140
MW-45W	2.0 - 10.0	170	699	65	341	723	180	424	561	895	74	40	233
MW-46W/W-R	2.0 - 10.0	--	150	589	443	1,048	972	1,200	1,045	544	50	233	192
MW-64	19.0 - 24.0	0	0	0	120	0	318	0	0	0	0	0	0
MW-65	11.0 - 16.0	37	0	0	502	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	18	46	260	0	0	170	556	57	91	0	11	13
MW-73	2.0 - 12.0	843	1,470	1,500	1,030	956	829	1,290	1,800	575	669	1,100	545
MW-75	2.0 - 12.0	60	0	387	0	22	1,350	2,890	384	100	56	55	0
MW-76	2.0 - 12.0	0	--	0	0	47	0	0	0	14	0	0	0
MW-78	5.0 - 20.0	585	707	85	22	463	1,160	493	0	445	493	616	0
MW-79	5.0 - 20.0	2,000	0	1,200	661	1,400	790	522	104	281	103	41	0
MW-80	5.0 - 20.0	2,500	1,600	1,390	1,370	2,400	2,200	2,300	1,080	1,200	694	258	1,480
MW-81	5.0 - 20.0	1,714	--	1,112	1,100	1,700	100	1,210	434	487	274	2,700	807
MW-82	5.0 - 20.0	733	--	19	995	233	358	488	1,571	1,140	837	1,137	150
MW-83	5.0 - 20.0	0	--	0	76	140	0	150	25	0	0	230	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	64	--	--	--	0	--	--	--	16	--	--	--
MWBS-02I	14.5 - 15.5	--	--	0	0	0	0	0	0	0	0	0	0
MWBS-02S	5.0 - 15.0	160	75	25	0	150	41	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	0	221	568	52	55	260	392	373	140	520	541	260
MW-UST2	2.0 - 12.0	0	167	575	353	621	373	361	208	265	457	227	120
MW-UST3	2.0 - 12.0	33	0	0	16	26	0	0	0	0	12	0	0
PDMW-01	5.0 - 20.0	0	0	0	71	0	0	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	2,300	2,463	1,918	2,316	2,616	2,312	2,716	2,416	2,013	2,420	2,119	3,022
SV-02	2.0 - 12.0	0	--	0	0	0	39	190	324	0	0	35	0
SV-03	2.0 - 12.0	536	--	150	130	80	33	0	0	96	57	0	0

Table 4-7
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 3 (OU-3)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)									
		Sample Date									
		2007				2008	Historic	Historic	Historic	Current	Current
		March	May-July	Aug-Oct	Oct-Dec	Jan-Mar	Minimum	Maximum	Average	Minimum	Maximum
BBMW-09D	62.0 - 72.0	0	--	0	--	0	0	0	0	0	
BBMW-09I	30.0 - 40.0	150	--	0	--	0	0	150	38	0	150
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	99	11	0	99
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	68	9	0	68
BBMW-29	2.0 - 9.0	0	252	0	0	0	0	252	48	0	252
BBMW-30D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	4	0	0	0	4	1	0	4
BBMW-30S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	0	4	0	0	0	4	1	0	4
BBMW-31S	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	0	1	1	0	0	1	1	0	1
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	69	0	0	0	69	14	0	69
BW-UST-11	5.0 - 10.0	0	0	68	0	0	0	68	14	0	68
BW-UST-28	5.0 - 10.0	--	0	0	0	2	0	0	0	0	2
BW-UST-29	5.0 - 10.0	--	0	0	0	0	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	100	0	0	18	0	0	937	150	0	937
MW-01D	35.0 - 45.0	0	0	0	0	2	0	263	26	0	263
MW-01S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0
MW-02I/I-R	22.5 - 23.5	0	0	0	0	0	0	6,478	370	0	6,478
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	0	21,640	2,914	0	21,640
MW-03	4.94 - 14.94	35	11	56	0	12	0	103	39	0	103
MW-04	5.1 - 15.1	0	0	1	0	0	0	130	20	0	130
MW-11W	2.0 - 10.0	0	0	5	1	2	0	861	140	0	861
MW-12W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0
MW-16I	14.0 - 19.0	0	44	0	0	0	0	57	7	0	57
MW-16SR	2.0 - 10.0	842	232	280	579	922	0	38,045	3,358	0	38,045
MW-16W	2.0 - 10.0	--	--	--	--	--	3	3	3	3	3
MW-17W	2.0 - 10.0	--	--	--	--	--	11	11	11	11	11
MW-26D	14.0 - 19.0	--	--	--	--	3	--	--	--	3	3
MW-29D	14.0 - 19.0	0	0	0	0	0	0	2	0	0	2
MW-29S	5.0 - 10.0	0	0	0	0	0	0	516	15	0	516
MW-30W/W-R	2.0 - 10.0	0	0	0	0	0	0	1,300	123	0	1,300
MW-32W/W-R	2.0 - 10.0	97	45	47	116	143	0	1,435	263	0	1,435
MW-34D	27.5 - 28.5	0	0	0	6	0	0	96	6	0	96
MW-34I	18.5 - 19.5	0	0	0	124	12	0	496	69	0	496
MW-34S	2.0 - 10.0	150	68	110	402	81	0	1,604	327	0	1,604
MW-45W	2.0 - 10.0	--	0	10	9	0	0	1,676	247	0	1,676
MW-46W/W-R	2.0 - 10.0	37	71	47	74	102	0	4,156	649	0	4,156
MW-64	19.0 - 24.0	0	0	0	0	0	0	1,600	61	0	1,600
MW-65	11.0 - 16.0	0	0	0	0	0	0	502	31	0	502
MW-66D	24.0 - 29.0	0	0	0	0	0	0	2	0	0	2
MW-66S	1.5 - 11.5	0	0	0	1	0	0	1	0	0	1
MW-68D	25.0 - 30.0	--	--	--	--	--	0	3	1	0	3
MW-70/70S	2.0 - 12.0	0	0	10	13	39	0	1,720	114	0	1,720
MW-73	2.0 - 12.0	497	345	495	1189	444	213	1,800	912	213	1,800
MW-75	2.0 - 12.0	0	0	180	47	0	0	2,890	562	0	2,890
MW-76	2.0 - 12.0	0	0	0	0	0	0	142	36	0	142
MW-78	5.0 - 20.0	0	46	40	31	0	0	1,439	417	0	1,439
MW-79	5.0 - 20.0	140	0	0	0	90	0	6,015	880	0	6,015
MW-80	5.0 - 20.0	831	601	884	1173	277	53	2,500	1,259	53	2,500
MW-81	5.0 - 20.0	1,068	448	1,130	1508	480	100	2,700	1,059	100	2,700
MW-82	5.0 - 20.0	234	286	127	306	0	19	3,090	699	0	3,090
MW-83	5.0 - 20.0	0	0	0	2	0	0	230	61	0	230
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	64	22	0	64
MWBS-02D	24.5 - 25.5	22	0	0	0	0	0	254	34	0	254
MWBS-02I	14.5 - 15.5	10	0	0	0	0	0	696	104	0	696
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	274	62	0	274
MW-UST1	2.0 - 12.0	358	363	239	140	--	0	979	292	0	979
MW-UST2	2.0 - 12.0	155	59	450	550	--	0	621	279	0	621
MW-UST3	2.0 - 12.0	0	0	0	0	--	0	134	21	0	134
PDMW-01	5.0 - 20.0	0	0	0	1464	0	0	13,000	918	0	13,000
PDMW-02	5.0 - 20.0	2,716	2,520	1,241	1976	3025	1,130	5,848	2,394	1,130	5,848
SV-02	2.0 - 12.0	0	0	133	0	0	0	515	98	0	515
SV-03	2.0 - 12.0	17	0	31	72	17	0	548	141	0	548

Table 4-7
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 3 (OU-3)

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 4-8
 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 BBMW-30D 30-35 ft 1/28/2008	OU3 BBMW-30I 14-19 ft 1/28/2008	OU3 BBMW-30S 2-10 ft 1/28/2008	OU3 BBMW-31D 30-35 ft 1/29/2008	OU3 BBMW-31I 14-19 ft 1/29/2008	OU3 BBMW-31S 2-10 ft 1/29/2008	OU3 BBMW-32D 30-35 ft 1/28/2008	OU3 BBMW-32I 14-19 ft 1/28/2008	OU3 BBMW-32S 2-10 ft 1/29/2008	OU3 MW-02IR 12-24 ft 1/31/2008	OU3 MW-02SR 2-12 ft 2/1/2008
BTEX (ug/L)												
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27
Other VOCs (ug/L)												
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Non-carcin PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzo[g,h,i]perylene	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)												
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-8
 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 MW-03 4.94-14.94 ft 2/5/2008	OU3 MW-04 4.1-15.1 ft 1/31/2008	OU3 MW-16SR 2-10 ft 2/1/2008	OU3 MW-34D 27.5-28.5 ft 2/6/2008	OU3 MW-34I 18.5-19.5 ft 2/6/2008	OU3 MW-45W 2-10 ft 1/30/2008	OU3 MW-46WR 2-10 ft 2/5/2008	OU3 MW-64 19-24 ft 1/28/2008	OU3 MW-65 11-16 ft 1/29/2008	OU3 MW-73 2-12 ft 1/31/2008	OU3 MW-75 2-12 ft 2/26/2008	OU3 MW-76 2-12 ft 1/29/2008
BTEX (ug/L)													
Benzene	1	10 U	10 U	270 J	10 U	8 J	1700	430 J	10 U	10 U	3900	10 U	10 U
Toluene	5	10 U	10 U	12000	10 U	1 J	610	3600	10 U	10 U	1700	16	10 U
Ethylbenzene	5	5 J	10 U	3000	10 U	16	700	1500	10 U	2 J	2800	62	2 J
Xylene, total	5	10 U	10 U	21000	10 U	15	590	2600	10 U	2 J	4400	190	10 U
Total BTEX	NE	5	ND	36270	ND	40	3600	8130	ND	4	12800	268	2
Other VOCs (ug/L)													
Methyl tert-butyl ether	NE	10 U	10 U	10 UJ	5 J	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Non-carcin PAHs (ug/L)													
Acenaphthene	20*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U
Anthracene	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[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Fluoranthene	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
Fluorene	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	2 J	10 U	49	10 U	10 U	10 U	3 J	10 U	10 U	32	10 U	10 U
Naphthalene	10*	6	10 U	870	10 U	12	10 U	99	10 U	10 U	410	10 U	10 U
Phenanthrene	50*	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	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
Total Noncarcinogenic PAHs	NE	12	ND	922	ND	12	ND	102	ND	ND	444	ND	ND
Carcinogenic PAHs (ug/L)													
Benzo[a]anthracene	0.002*	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]pyrene	ND	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[b]fluoranthene	0.002*	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[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	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	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)													
Total PAHs	NE	12	ND	922	ND	12	ND	102	ND	ND	444	ND	ND

Table 4-8
 Summary of BTEX, MTBE, and PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 MW-78 5-20 ft 2/4/2008	OU3 MW-79 5-20 ft 2/6/2008	OU3 MW-80 5-20 ft 2/7/2008	OU3 MW-81 5-20 ft 2/8/2008	OU3 MW-82 5-20 ft 2/11/2008	OU3 MW-83 5-20 ft 1/29/2008	OU3 MWBS-02D 24.5-25.5 ft 2/6/2008	OU3 MWBS-02I 14.5-15.5 ft 2/6/2008	OU3 PDMW-01 5-20 ft 1/31/2008	OU3 PDMW-02 5-20 ft 1/31/2008	OU3 SV-03 2-12 ft 2/4/2008
BTEX (ug/L)												
Benzene	1	12	770	170	290 J	14	10 U	13	10 U	10 U	370 J	9 J
Toluene	5	2 J	790	250 J	3300	290	2 J	10 U	10 U	10 U	34000	10 U
Ethylbenzene	5	12	770	1200 J	1500	340	16 J	10 U	10 U	10 U	6200	63
Xylene, total	5	28	830	1600 J	3600	520	18 J	4 J	10 U	10 U	30000	33
Total BTEX	NE	54	3160	3220	8690	1164	36	17	ND	ND	70570	105
Other VOCs (ug/L)												
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	4 J
Non-carcin PAHs (ug/L)												
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	1 J	10 U
Acenaphthylene	NE	10 U	10 U	10 U	3 J	10 U	10 U	10 UJ	10 U	10 U	12	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	2 J	10 U
Methylnaphthalene,2-	NE	10 U	12	17	47	10 U	10 U	10 UJ	10 U	10 U	210 J	10 U
Naphthalene	10*	10 U	78	260	430	10 U	10 U	10 UJ	10 U	10 U	2800	17
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	90	277	480	ND	ND	ND	ND	ND	3025	17
Carcinogenic PAHs (ug/L)												
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)												
Total PAHs	NE	ND	90	277	480	ND	ND	ND	ND	ND	3025	17

NOTES:

BTEX - benzene, toluene, ethylbenzene, and xylene (a subset of VOCs)
 VOCs - volatile organic compounds
 SVOCs - semivolatile organic compounds
 PAHs - polycyclic aromatic hydrocarbons
 ug/L - micrograms per liter or parts per billion (ppb)
 NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance
 * indicates the value is a guidance value and not a standard
 NE - not established
 Bolding indicates the compound was detected
 Shading indicates an exceedance of established NYSDEC SCGs
 ND - not detected; total concentration is listed as ND because no compounds were detected in the group
 J - estimated value
 U - indicates not detected at or above the reporting limit shown
 D - indicates a diluted sample
 bgs - below ground surface

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 BBMW-09D 62-72 ft 1/31/2008	OU3 BBMW-09I 30-40 ft 1/31/2008	OU3 BBMW-09S 5-15 ft 1/31/2008	OU3 BBMW-28I 10-20 ft 1/28/2008	OU3 BBMW-28S 2-12 ft 1/28/2008	OU3 BBMW-29 2-9 ft 2/14/2008	OU3 BBMW-33 7-12 ft 1/30/2008	OU3 BW-UST-10 4.65-9.95 ft 2/4/2008
BTEX (ug/L)									
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)									
Acetone	50*	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcin PAHs (ug/L)									
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)									
Benzo[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)									
Total PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 BW-UST-11 4.4-9.4 ft 2/27/2008	OU3 BW-UST-28 5-10 ft 2/4/2008	OU3 BW-UST-29 5-10 ft 2/4/2008	OU3 IO-10 6-16 ft 2/4/2008	OU3 MW-01D 35-45 ft 1/31/2008	OU3 MW-01S 4-14 ft 1/31/2008	OU3 MW-11W 2-10 ft 2/6/2008	OU3 MW-12W 2-10 ft 1/30/2008
BTEX (ug/L)									
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U	81	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Ethylbenzene	5	1 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	10 U	8	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U	11	10 U
Total BTEX	NE	1	ND	ND	ND	ND	ND	95	ND
Other VOCs (ug/L)									
Acetone	50*	15 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	6	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Naphthalene	10*	4 J	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcin PAHs (ug/L)									
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	2 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	2	ND	ND	ND	ND	ND	2	ND
Carcinogenic PAHs (ug/L)									
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)									
Total PAHs	NE	2	ND	ND	ND	ND	ND	2	ND

Table 4-9
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 3 (OU-3)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU3 MW-16I 14-19 ft 2/5/2008	OU3 MW-26D 14-19 ft 2/29/2008	OU3 MW-29D 14-19 ft 1/29/2008	OU3 MW-29S 5-10 ft 1/29/2008	OU3 MW-30WR 2-9 ft 1/30/2008	OU3 MW-32WR 2-9 ft 1/30/2008	OU3 MW-34S 2-10 ft 2/1/2008	OU3 MW-66D 24-29 ft 1/29/2008
BTEX (ug/L)									
Benzene	1	10 U	10 U	10 U	10 U	10 U	1100	550	10 U
Toluene	5	19	10 U	10 U	10 U	10 U	5 J	2500	10 U
Ethylbenzene	5	3 J	10 U	10 U	10 U	10 U	53	1800	10 U
Xylene, m,p-	NE	45	10 U	10 U	10 U	10 U	1100	1700	10 U
Xylene, o-	NE	17	10 U	10 U	10 U	10 U	59	1200	10 U
Xylene, total	5	62	10 U	10 U	10 U	10 U	1159	2900	10 U
Total BTEX	NE	84	ND	ND	ND	ND	2317	7750	ND
Other VOCs (ug/L)									
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Butanone, 2-	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene, 1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, 1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	25	37	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	230	340	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	6	10	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	5	10 U	10 U	10 U	10 U	64	210	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U	150	180	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcin PAHs (ug/L)									
Acenaphthene	20*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Methylnaphthalene, 2-	NE	10 U	3 J	10 UJ	10 UJ	10 U	3 J	2 J	10 U
Naphthalene	10*	10 U	10 U	10 UJ	10 UJ	10 U	140	79	10 U
Phenanthrene	50*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Total Noncarcinogenic PAHs	NE	ND	3	ND	ND	ND	143	81	ND
Carcinogenic PAHs (ug/L)									
Benz[a]anthracene	0.002*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)									
Total PAHs	NE	ND	3	ND	ND	ND	143	81	ND

Table 4-9
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 3 (OU-3)

NOTES:

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

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

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

NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance

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

NA - not analyzed

NE - not established

Bolding indicates the compound was detected

Shading indicates an exceedance of established NYSDEC SCGs

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

J - estimated value

U - indicates not detected at or above the reporting limit shown

bgs - below ground surface

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU1SG06 2/6/2008	OU1SG06 4/3/2008	OU1SG07 2/6/2008	OU1SG07 4/3/2008	OU1SG08 2/7/2008	OU2SG01 7/21/2004	OU2SG01 10/13/2004	OU2SG01 5/5/2005	OU2SG01 8/30/2005	OU2SG01 2/1/2006	OU2SG01 6/14/2006	OU2SG01 9/7/2006	OU2SG01 2/22/2007	OU2SG01 5/24/2007	OU2SG01 7/25/2007	OU2SG01 9/19/2007	OU2SG01 12/18/2007	OU2SG01 3/26/2008	OU2SG02 7/21/2004	OU2SG02 10/13/2004	OU2SG02 5/5/2005
BTEX (ug/m3)																					
Benzene	2.8	0.64 U	15	0.64 U	0.86	10.2	5.1	3.8	5.4	6.1	13.4 U	18.5	7.0	0.68 J	0.65 J	0.56 J	0.29 J	0.64 U	3.5	2.8	2.4
Ethylbenzene	11	0.87 U	5.6	0.36 J	0.74 J	8.7	7.4	7.4	17.4	17.4	18.2 U	43	7.6	7.2	2.1 U	2.2 U	0.87 U	0.87 U	10	6.5	5.6
Toluene	37	0.51 J	84	3.2	9.0	32.4	32.4	36.6	75.4	56.5	56.5	128.1	180	270	3.2	1.5 J	0.53 J	0.21 J	35.8	27.1	22.6
Xylene, m,p-	140	0.82 J	17	1.1 J	2.6	29.5	30.8	24.3	69.5	47.8	43.4	95.5	20	22	4.3 U	4.3 U	1.7 U	1.7 U	31.7	27.4	18.2
Xylene, o-	200	0.59 J	4.7	0.49 J	1.2	9.1	9.6	8.3	22.1	12.2	18.2 U	30.8	6.4	9.8	2.1 U	2.2 U	0.87 U	0.87 U	10	8.3	7.4
Other VOCs (ug/m3)																					
Acetaldehyde	13	4.5 U	3.1 J	7.2 J	4.5 U	NA	NA	NA	NA	NA	NA	NA	4.4 J	100 J	150	28	1.8 U	3.5 J	NA	11.9	NA
Acetone	1.2 U	2.7 U	5.2 J	4.7 U	1.2 U	109.3	104.5	427.6	109.3	47.5	641.4	218.5	74	24 J	19 J	7.5	0.47 U	1.9 U	87.9	99.8	223.3
Acrolein (propenal)	0.46 U	0.57 J	0.34 J	1.2 U	0.46 U	NA	NA	NA	NA	NA	NA	0.96 U	2.4 U	1.1 UJ	1.2 U	0.46 U	1.2 U	NA	NA	NA	NA
Allyl chloride	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	9.4 U	9.1 U	9.1 U	10 U	9.1 U	53.2 U	10 U	1.3 U	1.3 U	1.5 U	1.6 U	0.63 U	0.63 U	9.1 U	9.1 U	9.1 U
Benzothiophene	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	NA	NA	12 UJ	5.6 U	2.7 U	2.7 U	1.1 U	1.1 U	NA	NA	NA
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.3 U	0.33 J	5.1 U	4.8 U	4.9 U	5.4 U	4.9 U	28.1 U	5.4 U	2.8 U	3.3 U	3.4 U	1.3 U	1.3 U	4.8 U	4.9 U	4.9 U	4.9 U
Bromoforn	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.9 U	7.4 U	7.5 U	8.3 U	7.5 U	43.4 U	8.3 U	4.3 U	4.2 U	5.1 U	5.2 U	2.1 U	2.1 U	7.4 U	7.5 U	7.5 U
Bromomethane	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3 U	2.8 U	2.8 U	3.1 U	2.8 U	16.3 U	3.1 U	1.6 U	1.6 U	1.9 U	1.9 U	0.78 U	0.78 U	2.8 U	2.8 U	2.8 U
Butadiene, 1,3-	0.44 U	0.44 U	1.7 J	0.44 U	0.44 U	1.7 U	3.1	2.9	1.8 U	1.6 U	9.3 U	11.7	0.70 J	0.91 U	1.1 U	1.1 U	0.44 U	0.44 U	1.9	1.6 U	2.7
Butane	1.3	0.48 U	11	6.7	1.1	NA	NA	NA	NA	NA	NA	NA	23	0.77 J	2.8	1.2 U	1.8	0.67	NA	NA	NA
Butanone,2-	9.6	0.52 J	1.9	0.56 J	1.3	14.2	14.2	32.4	2.4 U	8.3	20.9	29.5	7.5	12	5.3	2.4	0.59 U	1.5 U	5.6	12.4	10.3
Carbon disulfide	0.62 U	0.53 J	4.2	0.62	0.19 J	15.6	5	3.7	2.5 U	3.1	13.1 U	13.1	6.5	6.1 J	5.5	3.7	0.50 J	1.2 U	3.1	2.3 U	2.3 U
Carbon tetrachloride	1.3 U	1.3 U	1.3	1.3 U	1.3 U	4.8 U	4.5 U	4.6 U	5 U	4.6 U	26.4 U	5 U	2.6 U	2.6 UJ	3.1 U	3.1 U	0.38 J	1.3 U	4.5 U	4.6 U	4.6 U
Chlorobenzene	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.3 U	3.7 U	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U	0.92 U	3.3 U	3.4 U	3.4 U
Chloroethane	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2 U	1.9 U	1.9 U	2.1 U	1.9 U	11.1 U	2.1 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U	0.53 U	1.9 U	1.9 U	1.9 U
Chloroform	0.98 U	0.98 U	1.5	2.2	2.9	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.5 U	3.9 U	3.6	1.4 J	1.6 J	0.73 J	0.34 J	0.54 J	3.5 U	3.6 U	3.6 U
Chloromethane	0.41 U	0.41 U	0.41 U	0.11 J	0.41 U	6.2 U	6 U	6 U	6.6 U	6 U	35.1 U	6.6 U	0.74 J	0.64 J	0.45 J	1.0 U	0.41 U	0.11 J	6 U	6 U	6 U
Chlorotoluene,2-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U	2.6 U	1.0 U	1.0 U	NA	NA	NA
Cryofluorane	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.3 U	5 U	5.1 U	5.6 U	5.1 U	29.4 U	5.6 U	2.9 U	2.9 U	3.4 U	3.5 U	1.4 U	1.4 U	5 U	5.1 U	5.1 U
Cyclohexane	18	0.69 U	2.3	0.69 U	0.21 J	154.9	7.9	2.5 U	3.3	2.5 U	14.5 U	2.8 U	31	28	1.6 J	1.7 U	0.34 J	0.26 J	203.1	7.9	2.5 U
Decane, n-	7.6	2.0	11	3.9	3.2	NA	NA	NA	NA	NA	NA	NA	2.4	13	2.9 U	2.9 U	1.2 U	1.2 U	NA	NA	NA
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.5 U	6.1 U	6.2 U	6.8 U	6.2 U	35.8 U	6.8 U	3.6 U	3.5 U	4.2 U	4.3 U	1.7 U	1.7 U	6.1 U	6.2 U	6.2 U
Dibromoethane,1,2-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.3 U	6.1 U	3.2 U	3.2 U	3.8 U	3.8 U	1.5 U	1.5 U	5.5 U	5.6 U	5.6 U
Dichlorobenzene,1,2-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U	3.0 U	1.2 U	1.2 U	4.3 U	4.4 U	4.4 U
Dichlorobenzene,1,3-	7.0	0.50 J	7.7	1.5	2.3	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 U	2.5 U	3 U	3.0 U	1.2 U	1.2 U	4.3 U	4.4 U	4.4 U
Dichlorobenzene,1,4-	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.6 U	4.3 U	4.4 U	4.8 U	4.4 U	25.3 U	4.8 U	2.5 UJ	5	1.6 J	1.0 J	1.2 U	0.49 J	4.3 U	4.4 U	4.4 U
Dichlorodifluoromethane	2.3	2.0	1.0	2.9	2.3	3.8 U	3.6 U	3.6 U	4 U	3.6 U	20.8 U	4 U	2.5	2.8	2.5	2.7	2.9	1.9	3.6 U	3.6 U	3.6 U
Dichloroethane,1,1-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U	2.0 U	0.81 U	0.81 U	2.9 U	3 U	3 U
Dichloroethane,1,2-	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3.1 U	2.9 U	3 U	3.2 U	3 U	17 U	3.2 U	1.7 U	1.7 U	2 U	2.0 U	0.81 U	0.81 U	2.9 U	3 U	3 U
Dichloroethane, cis-1,2-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U
Dichloroethane,1,1-	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U
Dichloropropane,1,2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.5 U	3.3 U	3.4 U	3.7 U	3.4 U	19.4 U	3.7 U	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U	0.92 U	3.3 U	3.4 U	3.4 U
Dichloropropene, cis-1,3	0.91 U	0.91 UJ	0.91 U	0.91 U	0.91 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U	2.3 U	0.91 U	0.91 U	3.3 U	3.3 U	3.3 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.3 U	3.3 U	3.6 U	3.3 U	19.1 U	3.6 U	1.9 U	1.9 U	2.2 U	2.3 U	0.91 U	0.91 U	3.3 U	3.3 U	3.3 U
Dioxane,1,4-	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	10.8 U	10.5 U	10.5 U	11.5 U	10.5 U	61.3 U	11.5 U	3.8 U	1.5 U	1.8 U	1.8 U	1.8 U	0.72 U	10.5 U	10.5 U	10.5 U
Dodecane, n-	4.9	1.7	2.2	3.3	1.2 J	NA	NA	NA	NA	NA	NA	NA	0.73 J	30	1.6 J	3.5 U	1.6	1.2 J	NA	NA	NA
Ethanol	1.9 U	4.2 J	38	12	2.2	64.1	5.8	244.9 J	6 U	22.6	90.4	111.2	85	4.9	20	16	2.3 U	15	94.2	5.5 U	188.4 J
Ethylthiophene, 2-	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.9 U	2.3 U	2.3 U	0.92 U	0.92 U	NA	NA	NA
Ethyltoluene, p-	35	0.98 U	1.2	0.98 U	0.54 J	8.8	9.8	7.9	21.6	6.9 J	20.6 U	25.6	1.1 J	1.9 J	2.4 U	2.5 U	0.98 U	0.98 U	7.9	8.8	6.9
Heptane, n-	25	0.82 UJ	53	0.82 UJ	1.9	122.9	4.1	3.5	8.6	4.9	17.2 U	18	8.1	1.7 U	2 U	2.0 U	0.82 U	0.82 U	122.9	3.3	3 U
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	32 U	30.9 U	30.9 U	34.1 U	30.9 U	181.3 U	34.1 UJ	4.5 UJ	4.4 U	5.2 U	5.3 U	2.1 U	2.1 U	30.9 U	30.9 U	30.9 U
Hexane, n-	10	0.70 U	25	0.70 U	0.53 J	33.5	8.1	5.3	7.4	4.6	14.8 U	20.4	280	13	0.83 J	5.3	0.18 J	0.70 U	5.6	3.5	2.6 U
Hexanone,2-	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	12.3 U	11.9 U	11.9 U	13.1 U	11.9 U	69.6 U	13.1 U	4.3 U	1.7 U	0.54 J	2.0 U	0.82 U	0.82 U	11.9 U	11.9 U	11.9 U
Indan	20	0.97 U	0.48 J	0.97 U	0.39 J	ND	ND	NA	NA	NA	NA	15.5 U	1.0 J	2	2.4 U	2.4 U	0.97 U	0.97 U	ND	ND	NA
Indene	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	ND	ND	NA	NA	NA	NA	15.2 U	2.0 U	2 U	2.3 U	2.4 U	0.95 U	0.95 U	ND	ND	NA
Isopropyl benzene	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	3.9 U	3.6 U	20.6 U	3.9 U	NA	NA	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U
Methyl tert-butyl ether	0.72 U	0.72 U	0.76	0.72 U	0.72 U	2.7 U	2.6 U	2.6 U	4.7	2.6 U	15.1 U	2.9 U	1.5 U	1.5 U	1.8 U	1.8 U	0.72 U	0.72 U	3.1	2.6 U	2.6 U
Methyl-2-pentanone,4-	0.82 U	0.82 U	0.82 U	0.82 U	0.53 J	4.5	2.9 U	3 U	3.3 U	3 U	17.2 U										

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU1SG06 2/6/2008	OU1SG06 4/3/2008	OU1SG07 2/6/2008	OU1SG07 4/3/2008	OU1SG08 2/7/2008	OU2SG01 7/21/2004	OU2SG01 10/13/2004	OU2SG01 5/5/2005	OU2SG01 8/30/2005	OU2SG01 2/1/2006	OU2SG01 6/14/2006	OU2SG01 9/7/2006	OU2SG01 2/22/2007	OU2SG01 5/24/2007	OU2SG01 7/25/2007	OU2SG01 9/19/2007	OU2SG01 12/18/2007	OU2SG01 3/26/2008	OU2SG02 7/21/2004	OU2SG02 10/13/2004	OU2SG02 5/5/2005
Other VOCs Continued (ug/m3)																					
Octane, n-	19	1.5	12	2.8	0.89 J	NA	NA	NA	NA	NA	NA	NA	3.0	1.9 U	2.3 U	2.3 U	0.93 U	0.93 U	NA	NA	NA
Pentane	0.59 U	0.59 U	16	0.56 J	0.62	NA	NA	NA	NA	NA	NA	NA	20	1.2 U	2.3	0.44 J	0.86	0.59 UJ	NA	NA	NA
Propanol,2-	0.49 UJ	1.0 J	76 J	2.7	6.2 J	7.4 U	7.1 U	14.5	7.9 U	7.1 U	68.8	8.8	7.4	2 J	5.1	0.74 J	0.49 U	1.2 U	7.1 U	7.1 U	15.7
Propylbenzene, n-	NA	NA	NA	NA	NA	3.7 U	3.5 U	3.6 U	4.9	3.6 U	20.6 U	6.4	NA	NA	NA	NA	NA	NA	3.5 U	3.6 U	3.6 U
Styrene	0.89	0.85 U	0.47 J	0.85 U	0.85 U	3.2 U	3.1 U	3.1 U	6	3.1 U	17.9 U	4.1	1.8 U	1.8 U	2.1 U	2.1 U	0.85 U	0.85 U	3.1 U	3.1 U	3.1 U
t-Butyl alcohol	0.61 U	0.61 U	0.61 U	0.18 J	0.61 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	0.97 J	1.5 U	0.61 U	0.61 U	NA	NA	NA
Tetrachloroethane,1,1,2,2-	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.2 U	4.9 U	5 U	5.5 U	5 U	28.8 U	5.5 U	2.9 U	2.8 U	3.4 U	3.4 U	1.4 U	1.4 U	4.9 U	5 U	5 U
Tetrachloroethene	16	13	32	14	3.3	5.2	26.5	5 U	8.1	9.5	43.4	19	9.4	10	0.88 J	0.85 J	1.4 U	0.44 J	6.1	22.4	5 U
Tetrahydrofuran	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.2 U	2.7	2.5	12.4 U	2.7	NA	NA	NA	NA	NA	NA	2.1 U	2.2 U	2.2 U
Tetramethylbenzene, 1,2,4,5-	31	0.32 J	0.88 J	1.1 U	0.44 J	NA	NA	NA	NA	NA	NA	NA	2.3 U	4.2 J	14 U	2.7 U	1.1 U	1.1 U	NA	NA	NA
Thiophene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.7 U	1.7 U	0.69 U	0.69 U	NA	NA	NA
Trans-1,2-dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	3 U	2.9 U	2.9 U	3.2 U	2.9 U	16.7 U	3.2 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.9 U	2.9 U	2.9 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	0.44 J	0.77 J	0.70 J	0.61 J	5.8 U	5.5 U	5.6 U	6.1 U	5.6 U	32.2 U	6.1 U	3.2 U	3.1 U	3.8 U	3.8 U	0.61 J	0.39 J	5.5 U	5.6 U	5.6 U
Trichlorobenzene,1,2,4-	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	22.3 U	21.5 U	21.5 U	23.7 U	21.5 U	126.2 U	23.7 UJ	3.1 UJ	3 U	3.6 U	3.7 U	1.5 U	1.5 U	21.5 U	21.5 U	21.5 U
Trichloroethane,1,1,1-	0.27 J	1.1 U	0.82 J	1.1 U	0.49 J	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 UJ	2.7 U	2.7 U	1.1 U	1.1 U	3.9 U	4 U	4 U
Trichloroethane,1,1,2-	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.1 U	3.9 U	4 U	4.4 U	4 U	22.9 U	4.4 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U	1.1 U	3.9 U	4 U	4 U
Trichloroethene	0.59 J	0.71 J	0.86 J	1.1 U	1.1 U	4.1 U	3.9 U	3.9 U	4.3 U	3.9 U	22.6 U	4.3 U	0.90 J	2.2 U	2.6 U	2.7 U	1.1 U	1.1 U	3.9 U	3.9 U	3.9 U
Trichlorofluoromethane	1.1 U	1.2	1.4	2.3	1.6	4.3 U	4 U	4.1 U	4.5 U	4.1 U	23.6 U	4.5 U	1.3 J	1.7 J	1.3 J	1.4 J	1.4	0.95 J	4 U	4.1 U	4.1 U
Trimethylbenzene,1,2,3-	180	0.69 J	3.6	0.92 J	2.2	NA	NA	NA	NA	NA	NA	NA	2.0 J	3.6	2.4 U	2.5 U	0.98 U	0.98 U	NA	NA	NA
Trimethylbenzene,1,2,4-	100	0.28 J	1.4	0.27 J	0.79 J	6.9	8.8	7.4	18.7	5.4	20.6 U	28.5 J	4.5	15 J	2.4 U	2.5 U	0.98 U	0.98 U	4.9	9.3	6.4
Trimethylbenzene,1,3,5-	76	0.34 J	1.2	0.36 J	0.83 J	3.7 U	3.5 U	3.6 U	7.4	3.6 U	20.6 U	8.4	1.6 J	3.4	2.4 U	2.5 U	0.98 U	0.98 U	3.5 U	3.6 U	3.6 U
Trimethylpentane, 2,2,4-	180	0.58 J	14	0.93 UJ	0.51 J	3.6 U	3.4 U	3.4 U	10.3	261.6	5606.4	453.2	6.9 J	1.9 U	2.3 U	2.3 U	0.93 U	0.93 U	3.4 U	3.4 U	3.4 U
Undecane, n-	5.4	0.84 J	4.9	2.0	1.9	NA	NA	NA	NA	NA	NA	NA	2.4 J	12	3.1 U	3.2 U	0.64 J	0.46 J	NA	NA	NA
Vinyl bromide	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.2 U	2.2 U	0.87 U	0.87 U	NA	NA	NA
Vinyl chloride	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.9 U	1.8 U	1.9 U	2 U	1.9 U	10.7 U	2 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U	0.51 U	1.8 U	1.9 U	1.9 U
Other																					
Helium	NA	NA	0.027	NA	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.219	0.123	NA	NA	NA

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG02 8/30/2005	OU2SG02 2/1/2006	OU2SG02 6/14/2006	OU2SG02 9/7/2006	OU2SG02 2/22/2007	OU2SG02 5/24/2007	OU2SG02 7/25/2007	OU2SG02 9/19/2007	OU2SG02 12/18/2007	OU2SG02 3/26/2008	OU2SG03 7/21/2004	OU2SG03 10/13/2004	OU2SG03 5/5/2005	OU2SG03 8/30/2005	OU2SG03 2/1/2006	OU2SG03 6/14/2006	OU2SG03 9/7/2006	OU2SG03 2/22/2007	OU2SG03 5/24/2007	OU2SG03 9/18/2007	OU2SG03 12/18/2007	
BTEX (ug/m3)																						
Benzene	5.8	7.3	16 U	13.4	1.2 J	1.3 U	0.51 J	0.67 J	0.64 U	0.64 U	5.4	2.6	6.4	7.4	10.2	21.1 U	17.9	1.4 U	1.3	1.7	0.64 U	
Ethylbenzene	18.7	23	21.7 U	41.7	2.3	3.2	2.1 U	2.6 U	0.87 U	0.87 U	10	5.2	6.9	23.4	18.7	28.7 U	37.3	0.74 J	5	5.6	0.69 J	
Toluene	75.4	64.1	60.3	113.1	15	190	7.4	1.2 J	0.34 J	0.75 U	33.9	27.1	45.2	94.2	52.8	56.5	135.7	2.6	640	810	40	
Xylene, m,p-	69.5	43.4	42.6	95.5	5.8	5.4	4.2 U	5.2 U	1.7 U	0.23 J	36	24.8	15.6	95.5	47.8	37.3	121.6	2.9 J	15	17	2.9	
Xylene, o-	22.1	12.6	21.7 U	30.8	1.9 J	4.6	0.54 J	2.6 U	0.87 U	0.87 U	13.5	7.4	6.1	33	12.6	28.7 U	35.2	1.0 J	4.6	5.3	1.3	
Other VOCs (ug/m3)																						
Acetaldehyde	NA	NA	NA	NA	0.66 J	140 J	150	35	1.8 U	3.7 J	NA	19.8	NA	NA	NA	NA	NA	0.76 UJ	72 J	55	4.5 U	
Acetone	204.3	52.3	902.7	235.2	8.9	57 J	15 J	7.6	1.2 U	2.6 U	90.3	128.3	855.2 EJ	522.6	87.9	1092.7	475.1	8.6	62 J	7.0	1.0 U	
Acrolein (propenal)	NA	NA	NA	NA	1.0 U	2.3 U	0.45 J	1.4 U	0.46 U	0.15 J	NA	NA	NA	NA	NA	NA	0.97 U	0.81 J	1.1 U	0.46 U	0.46 U	
Allyl chloride	10 U	9.4 U	62.6 U	9.7 U	1.4 U	1.2 U	1.5 U	1.9 U	0.63 U	0.63 U	9.4 U	9.4 U	10 U	9.7 U	9.1 U	81.4 U	9.4 U	1.3 U	1.3 U	1.5 U	0.63 U	
Benzothiophene	NA	NA	NA	NA	13 UJ	5.4 U	2.7 U	3.3 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	NA	12 UJ	5.5 U	32 U	1.1 U	1.1 U	
Bromodichloromethane	5.3 U	5.1 U	33.5 U	5.2 U	3.1 U	2.6 U	3.3 U	4.0 U	1.3 U	1.3 U	5.1 U	5.1 U	5.3 U	5.2 U	4.9 U	44.2 U	5 U	2.8 U	2.7 U	3.1 U	1.3 U	
Bromoforn	8.2 U	7.9 U	51.7 U	8.1 U	4.7 U	4.1 U	5 U	6.2 U	2.1 U	2.1 U	7.9 U	7.9 U	8.2 U	8.1 U	7.5 U	68.2 U	7.6 U	4.4 U	4.2 U	4.8 U	2.1 U	
Bromomethane	3.1 U	3 U	19.4 U	3 U	1.8 U	1.5 U	1.9 U	2.3 U	0.78 U	0.78 U	3 U	3 U	3 U	3 U	2.8 U	25.6 U	2.9 U	1.6 U	1.6 U	1.8 U	0.78 U	
Butadiene, 1,3-	1.7 U	1.7 U	11.1 U	7.5	1.0 U	0.87 U	1.1 U	1.3 U	0.44 U	0.44 U	1.7 U	1.7 U	5.3	2.2	1.6 U	14.6 U	7.7	0.94 U	0.89 U	1.0 U	0.44 U	
Butane	NA	NA	NA	NA	3.4	1	1.1 J	1.4 U	0.59	0.33 J	NA	NA	NA	NA	NA	NA	NA	1.3	0.57 J	1.1 U	0.48 U	
Butanone,2-	9.7	6.2	18.6	13.3	1.5 J	19	4.6	2.2	0.59 U	0.27 J	15	12.4	35.4	16.8	8.8	24.5	20.1	1.2 J	7.6	1.4 U	0.59 U	
Carbon disulfide	8.1	2.4 U	15.6 U	3.7	1.4	8.1 J	4.7	2.9	0.53 J	1.2 U	5.9	24.9	2.5	3.7	4.7	20.9	8.1	1.2 J	4.1 J	12	0.50 J	
Carbon tetrachloride	5 U	4.8 U	31.5 U	4.9 U	2.9 U	2.5 UJ	3.1 U	3.8 U	1.3 U	1.3 U	4.8 U	4.8 U	5 U	4.9 U	4.6 U	41.5 U	4.7 U	2.7 U	2.5 UJ	2.9 U	1.3 U	
Chlorobenzene	3.6 U	3.5 U	23 U	3.6 U	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	3.5 U	3.5 U	3.6 U	3.6 U	3.4 U	30.4 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	
Chloroethane	2.1 U	2 U	13.2 U	2.1 U	1.2 U	1 U	1.3 U	1.6 U	0.53 U	0.53 U	2 U	2 U	2.1 U	2.1 U	1.9 U	17.4 U	2 U	1.1 U	1.1 U	1.2 U	0.53 U	
Chloroform	3.9 U	3.7 U	24.4 U	3.8 U	2.2 U	1.9 U	0.9 J	0.73 J	0.24 J	1.1	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.2 U	3.6 U	0.62 J	2.2	0.68 J	0.34 J	
Chloromethane	6.6 U	6.2 U	41.3 U	6.4 U	0.95 U	0.52 J	0.31 J	1.2 U	0.41 U	0.41 U	6.2 U	6.2 U	6.6 U	6.4 U	6 U	53.7 U	6.2 U	0.87 U	0.83 U	0.97 U	0.41 U	
Chlorotoluene,2-	NA	NA	NA	NA	2.4 U	2 U	2.5 U	3.1 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.4 U	1.0 U	
Cryofluorane	5.5 U	5.3 U	35 U	5.5 U	3.2 U	2.8 U	3.4 U	4.2 U	1.4 U	1.4 U	5.3 U	5.3 U	5.5 U	5.1 U	46.1 U	5.2 U	3.0 U	2.8 U	3.3 U	1.4 U	1.4 U	
Cyclohexane	3.8	2.6 U	17.2 U	2.7 U	5.0	12	2.2	2.9	0.65 J	2.1	134.2	10	2.7 U	6.5	2.5 U	22.7 U	2.5 U	1.5 U	67	140	1.3	
Decane, n-	NA	NA	NA	NA	1.5 J	5.2	4	3.5 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	11	28	1.2 U	
Dibromochloromethane	6.7 U	6.5 U	42.6 U	6.6 U	3.9 U	3.4 U	4.2 U	4.2 U	5.1 U	1.7 U	6.5 U	6.5 U	6.7 U	6.6 U	6.2 U	56.2 U	6.3 U	3.6 U	3.4 U	4.0 U	1.7 U	
Dibromoethane,1,2-	6.1 U	5.8 U	38.4 U	6 U	3.5 U	3 U	3.8 U	4.6 U	1.5 U	1.5 U	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.7 U	5.7 U	3.3 U	3.1 U	3.6 U	1.5 U	
Dichlorobenzene,1,2-	4.7 U	4.6 U	30.1 U	4.7 U	2.8 U	2.4 U	2.9 U	3.6 U	1.2 U	1.2 U	4.6 U	4.6 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 U	2.4 U	2.8 U	1.2 U	1.2 U	
Dichlorobenzene,1,3-	4.7 U	4.6 U	30.1 U	4.7 U	2.8 U	2.2 J	2.9 U	3.6 U	1.2 U	0.55 J	4.6 U	4.6 U	4.7 U	4.4 U	39.7 U	4.4 U	2.6 UJ	1.9 J	1.4 J	0.42 J	0.42 J	
Dichlorodifluoromethane	3.9 U	3.8 U	24.7 U	3.9 U	2.4	2.7	2.4 J	2.7 J	2.3	2.2	3.8 U	7.4	3.9 U	3.9 U	3.7	32.6 U	3.7 U	2.7	2.5	2.6	2.6	
Dichloroethane,1,1-	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U	2 U	2.4 U	0.81 U	0.81 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	
Dichloroethane,1,2-	3.2 U	3.1 U	20.2 U	3.2 U	1.8 U	1.6 U	2 U	2.4 U	0.81 U	0.81 U	3.1 U	3.1 U	3.2 U	3.2 U	3 U	26.7 U	3 U	1.7 U	1.6 U	1.9 U	0.81 U	
Dichloroethane, cis-1,2-	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	3 U	3 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	
Dichloroethane,1,1-	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	3 U	3 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U	0.79 U	
Dichloropropane,1,2-	3.7 U	3.5 U	23.1 U	3.6 U	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	3.5 U	3.5 U	3.7 U	3.6 U	3.4 U	30.5 U	3.4 U	2.0 U	1.9 U	2.2 U	0.92 U	
Dichloropropene, cis-1,3	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U	2.2 U	2.7 U	0.91 U	0.91 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	
Dichloropropene, trans-1,3	3.6 U	3.4 U	22.7 U	3.5 U	2.1 U	1.8 U	2.2 U	2.7 U	0.91 U	0.91 U	3.4 U	3.4 U	3.6 U	3.5 U	3.3 U	30 U	3.4 U	1.9 U	1.8 U	2.1 U	0.91 U	
Dioxane,1,4-	11.5 U	10.8 U	72.1 U	11.2 U	4.1 U	1.4 U	1.8 U	2.2 U	1.8 U	0.72 U	10.8 U	10.8 U	11.5 U	11.2 U	10.5 U	93.7 U	10.8 U	3.8 U	1.4 U	1.7 U	1.8 U	
Dodecane, n-	NA	NA	NA	NA	3.2 U	14	2.3 J	1.7 J	0.56 J	4.8	NA	NA	NA	NA	NA	NA	NA	0.74 J	23	1.8 J	1.0 J	
Ethanol	50.9	32	124.4	92.3	25	5.6	27	16	1.9 U	0.78 J	82.9	7	433.4	52.8	22.6	120.6	52.8	15	5.7	19	2.4 U	
Ethylthiophene, 2-	NA	NA	NA	NA	2.1 U	1.8 U	2.2 U	2.8 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	0.92 U	
Ethyltoluene, p-	21.6	5.9	24.6 U	29	2.2 U	1.9 U	2.4 U	3.0 U	0.98 U	0.98 U	8.8	7.9	3.9 U	33.4	7.4 J	32.4 U	49.2	2.1 U	2 U	2.3 U	0.98 U	
Heptane, n-	8.2	6.1	20.5 U	11.9	2.5	1.6 U	2 U	2.5 U	0.82 U	0.82 U	65.6	3.7	4.9	11.5	5.3	27 U	12.7	1.7 U	4.1	3.3	0.82 U	
Hexachlorobutadiene	34.1 U	32 U	213.3 U	33.1 UJ	4.9 UJ	4.2 U	5.2 U	6.4 U	2.1 U	2.1 U	32 U	32 U	34.1 U	33.1 U	30.9 U	277.3 U	32 UJ	4.5 UJ	4.3 U	5.0 U	2.1 U	
Hexane, n-	8.1	6	17.6 U	11.3	8.9	3.3	1.7 U	6.1	0.70 U	0.70 U	4.2	4.6	7.4	10.2	6.7	23.3 U	12.3	0.75 J	160	170	0.32 J	
Hexanone,2-	13.1 U	12.3 U	81.9 U	12.7 U	4.7 U	1.6 U	0.86 J	2.5 U	0.82 U	0.82 U	12.3 U	12.3 U	13.1 U	12.7 U	11.9 U	106.5 U	12.3 U	4.3 U	1.6 U	1.9 U	0.82 U	
Indan	NA	NA	NA	NA	15 U	2.2 U	1.9 U	2.4 U	0.97 U	0.97 U	ND	ND	NA	NA	NA	NA	NA	14.5 U	2.0 U	2 U	0.97 U	
Indene	NA	NA	NA	NA	14.7 U	2.2 U	1.9 U	2.3 U	0.95 U	0.95 U	ND	ND	NA	NA	NA	NA	NA	14.3 U	2.0 U	1.9 U	0.95 U	
Isopropyl benzene	3.9 U	3.7 U	24.6 U	3.8 U	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	3.8 U	3.6 U	32.4 U	3.6 J	NA	NA	NA	NA	
Methyl tert-butyl ether	10.1	2.7 U	18 U	2.8 U	1.6 U	1.4 U	1.8 U	2.2 U	0.72 U	0.72 U	2.7 U	2.7 U	2.8 U	22.7	2.6 U	23.8 U	2.7 U	1.5 U	1.5 U	1.7 U	0.72 U	
Methyl-2-pentanone,4-	3.2 U	3.1 U	20.5 U	3.2 U	1.9 U	1.6 U	2 U	2.5 U	0.82 U	0.82 U	7.4	3.1 U	3.2 U	3.2 U	3 U	27 U	3 U	1.7 U	2.5	1.9 U	0.82 U	
Methylene chloride	2.7 U	2.6 U	17.4 U	2.7 U	3.7 U	30	1.7 U	14	0.80 U	1.7 U	2.6 UJ	2.6 U	2.7 U	2.7 U	2.5 U	22.9 U	2.6 U	28	24	12	0.69 U	
Methylnaphthalene,1-	NA	NA	NA	NA	33 U	29 U	2.8 U	3.5 U	14 UJ	1.2 U	NA	NA	NA	NA	NA	NA	NA	31 U	29 U	14 U	14 UJ	
Methylnaphthalene,2-	NA	NA	NA	NA	33 U	11 U	36 UJ	3.5 U	14 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	31 U	12 U	34 U	14 U	
Methylthiophene, 2-	NA	NA	NA	NA	1.8 U	1.6 U	2 U	2.4 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	
Methylthiophene, 3-	NA	NA	NA	NA	1.8 U	1.6 U	2 U	2.4 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.6 U	1.9 U	0.80 U	
Naphthalene	16.8 U	15.7 U	104.8 UJ	16.3 U	6.0 U	1.6 J	0.84 J	3.1 U	1.0 U	1.0 UJ	11	15.7 U	16.8 UJ	16.3 U	15.2 U</							

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG02 8/30/2005	OU2SG02 2/1/2006	OU2SG02 6/14/2006	OU2SG02 9/7/2006	OU2SG02 2/22/2007	OU2SG02 5/24/2007	OU2SG02 7/25/2007	OU2SG02 9/19/2007	OU2SG02 12/18/2007	OU2SG02 3/26/2008	OU2SG03 7/21/2004	OU2SG03 10/13/2004	OU2SG03 5/5/2005	OU2SG03 8/30/2005	OU2SG03 2/1/2006	OU2SG03 6/14/2006	OU2SG03 9/7/2006	OU2SG03 2/22/2007	OU2SG03 5/24/2007	OU2SG03 9/18/2007	OU2SG03 12/18/2007
Other VOCs Continued (ug/m3)																					
Octane, n-	NA	NA	NA	NA	1.9 J	1.8 U	2.3 U	2.8 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	1.1 J	1.3 J	0.93 U
Pentane	NA	NA	NA	NA	2.2	1.2 U	0.78 J	1.8 U	0.59 U	0.59 UJ	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.4 U	0.59 U
Propanol-2-	10.6	7.4 U	78.7	9.1	1.5	1.7 J	6.6	1.5 U	0.49 U	1.2 U	7.4	7.4 U	36.9	9.3	7.1 U	172.1	7.4 U	1.0	5.7	1.1 J	0.49 U
Propylbenzene, n-	4.5	3.7 U	24.6 U	6.9	NA	NA	NA	NA	NA	NA	3.7 U	3.7 U	3.9 U	6.9	3.6 U	32.4 U	12.3	NA	NA	NA	NA
Styrene	4.3	3.2 U	21.3 U	3.9	2.0 U	1.7 U	2.1 U	2.6 U	0.85 U	0.85 U	3.2 U	3.2 U	3.4 U	3.7	3.1 U	28.1 U	3.3	1.8 U	1.7 U	0.60 J	0.85 U
t-Butyl alcohol	NA	NA	NA	NA	1.4 U	1.2 U	1.2 J	0.55 J	0.61 U	0.61 U	NA	NA	NA	NA	NA	NA	NA	1.3 U	1.2 U	0.50 J	0.61 U
Tetrachloroethane,1,1,2,2-	5.4 U	5.2 U	34.3 U	5.4 U	3.1 U	2.7 U	3.4 U	4.1 U	1.4 U	1.4 U	5.2 U	5.2 U	5.4 U	5.4 U	5 U	45.3 U	5.1 U	2.9 U	2.8 U	3.2 U	1.4 U
Tetrachloroethene	8.8	8.1	50.2	19	3.4	5.3	1.1 J	1.2 J	1.4 U	1.4 U	8.1	21.7	5.4 U	10.2	7.5	44.8 U	23.7	2.9 U	2.7 U	0.79 J	1.4 U
Tetrahydrofuran	2.5	2.2 U	14.7 U	2.3 U	NA	NA	NA	NA	NA	NA	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	19.5 U	2.2 U	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NA	NA	NA	NA	2.5 U	5.4 J	1.9 J	3.3	0.38 J	1.3	NA	NA	NA	NA	NA	NA	NA	2.3 U	3 J	4.0 J	1.3
Thiophene	NA	NA	NA	NA	1.6 U	1.4 U	1.7 U	2.1 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 U	0.69 U
Trans-1,2-dichloroethene	3.1 U	3 U	19.8 U	3.1 U	1.8 U	1.6 U	1.9 U	2.4 U	0.79 U	0.79 U	3 U	3 U	3.1 U	3.1 U	2.9 U	26.2 U	2.9 U	1.7 U	1.6 U	1.8 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	6.1 U	5.8 U	38.3 U	6 U	3.5 U	3 U	3.7 U	4.6 U	0.46 J	0.95 J	5.8 U	5.8 U	6.1 U	6 U	5.6 U	50.6 U	5.7 U	3.2 U	3.1 U	3.6 U	0.38 J
Trichlorobenzene,1,2,4-	23.7 U	22.3 U	148.4 U	23 UJ	3.4 UJ	2.9 U	3.6 U	4.4 U	1.5 U	1.5 U	22.3 U	22.3 U	23.7 U	23 U	21.5 U	193 U	22.3 UJ	3.1 UJ	3 U	3.5 U	1.5 U
Trichloroethane,1,1,1-	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 UJ	2.7 U	3.3 U	1.1 U	1.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 UJ	2.6 U	1.1 U
Trichloroethane,1,1,2-	4.3 U	4.1 U	27.3 U	4.3 U	2.5 U	2.2 U	3.9	3.3 U	1.1 U	1.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4 U	36 U	4 U	2.3 U	2.2 U	2.6 U	1.1 U
Trichloroethene	8.6	4.1 U	26.9 U	4.2 U	2.5 U	2.1 U	2.6 U	3.2 U	1.1 U	1.1 U	4.1 U	4.1 U	4.2 U	4.2 U	3.9 U	35.5 U	4 U	2.3 U	2.2 U	2.5 U	1.1 U
Trichlorofluoromethane	4.4 U	4.3 U	28.1 U	4.4 U	1.2 J	1.7 J	1.2 J	1.2 J	1.2	1.2	11.2	7.3	4.4 U	4.4 U	4.1 U	37.1 U	6.7	1.9 J	6.6	7.4	3.5
Trimethylbenzene,1,2,3-	NA	NA	NA	NA	2.2 U	2	2.4 U	3.0 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	NA	NA	0.73 J	1.2 J	1.4 J	0.98 U
Trimethylbenzene,1,2,4-	18.2	4.4	24.6 U	32.9 J	1.6 J	6.6 J	2.4 U	3.0 U	0.98 U	0.98 U	9.8	6.9	3.9 U	32.4	5.4	32.4 U	59 J	1.5 J	4.5 J	2.2 J	0.44 J
Trimethylbenzene,1,3,5-	6.9	3.7 U	24.6 U	8.8	2.2 U	1.9 U	2.4 U	3.0 U	0.98 U	0.98 U	3.7 U	3.7 U	3.9 U	12.3	3.6 U	32.4 U	15.7	2.1 U	1.2 J	0.80 J	0.98 U
Trimethylpentane, 2,2,4-	11.2	607.4	7008	934.4	2.1 J	1.8 U	2.3 U	2.8 U	0.93 U	0.93 U	3.6 U	4.7	3.7 U	15.9	560.6	7475.2	1121.3	2.0 U	1.9 U	2.2 U	0.93 U
Undecane, n-	NA	NA	NA	NA	2.9 U	2.5 U	4.2	3.8 U	1.3 U	1.2 J	NA	NA	NA	NA	NA	NA	NA	1.1 J	6.3	3.0 U	1.3 U
Vinyl bromide	NA	NA	NA	NA	2.0 U	1.7 U	2.1 U	2.6 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.0 U	0.87 U
Vinyl chloride	2 U	1.9 U	12.8 U	2 U	1.2 U	1 U	1.2 U	1.5 U	0.51 U	0.51 U	1.9 U	1.9 U	2 U	2 U	1.9 U	16.9 U	1.9 U	1.1 U	1 U	1.2 U	0.51 U
Other																					
Helium	NA	NA	NA	NA	NA	NA	NA	NA	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG03 3/26/2008	OU2SG04 5/5/2005	OU2SG04 8/30/2005	OU2SG04 2/1/2006	OU2SG04 6/14/2006	OU2SG04 9/7/2006	OU2SG04 2/22/2007	OU2SG04 5/24/2007	OU2SG04 9/18/2007	OU2SG04 12/18/2007	OU2SG04 3/26/2008	OU2SG05 5/25/2005	OU2SG05 8/31/2005	OU2SG05 2/2/2006	OU2SG05 6/15/2006	OU2SG05 9/8/2006	OU2SG05 2/22/2007	OU2SG05 6/14/2007	OU2SG05 7/25/2007	OU2SG05 9/19/2007	OU2SG05 12/19/2007
BTEX (ug/m3)																					
Benzene	0.64 U	3.8	2.5 U	7.7	15.7 U	11.8	1.3 U	2	2.7	0.22 J	0.23 J	5.4	10.2	5.4	11.5 U	11.8	2.7	1.3 U	1.5 UJ	0.56 J	0.41 J
Ethylbenzene	1.8	7.8	3.4 U	14.3	21.3 U	27.8	0.97 J	10	9.4	0.43 J	0.92	3.3 U	11.3	6.9	15.6 U	21.3	2.6	1.7 U	2 U	1.9 U	0.87 U
Toluene	130	30.9	2.9 U	56.5	49	105.5	2.6	720	760	31	74	16.2	45.2	30.9	35.4	113.1	42	44	21	1.6 J	1.9
Xylene, m,p-	7.3	29.1	3.5	36.9	24.8	91.2	3.0 J	31	28	1.3 J	2.9	10	47.8	14.8	27.8	69.5	7.1	1.4 J	1.1 J	3.8 U	1.7 U
Xylene, o-	3.0	10.4	3.4 U	9.1	21.3 U	26.1	1.1 J	9.9	8.4	0.52 J	1.8	3.3 U	16.5	4.8	15.6 U	18.7	2.5	1.7 U	1.2 J	1.9 U	0.87 U
Other VOCs (ug/m3)																					
Acetaldehyde	9.0	NA	NA	NA	NA	NA	0.40 J	140 J	40	9.3 U	4.1 J	NA	NA	NA	NA	NA	2.8 J	96	44	24	1.8 U
Acetone	6.6 J	356.3	19.7	76	546.4	228	8.3	40 J	7.9	7.6 U	2.5 U	180.5	178.2	33.3	261.3	156.8	22	8.1	16 J	4.9	5.2 U
Acrolein (propenal)	0.38 J	NA	NA	NA	NA	NA	0.93 U	2.3 U	0.99 U	0.46 U	1.2 U	NA	NA	NA	NA	NA	1.0 U	0.91 UJ	1.1 U	1.0 U	0.46 U
Allyl chloride	0.63 U	9.4 U	9.7 U	9.4 U	59.5 U	8.8 U	1.3 U	1.3 U	1.4 U	0.63 U	0.63 U	9.4 U	10 U	8.8 U	43.8 U	10.3 U	1.4 U	1.2 U	1.5 U	1.4 U	0.63 U
Benzothiophene	1.1 U	NA	NA	NA	NA	NA	11 UJ	5.5 U	30 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	12 UJ	2.2 J	2.6 U	2.4 U	1.1 U
Bromodichloromethane	1.3 U	5 U	5.2 U	5 U	32.8 U	4.7 U	2.7 U	2.7 U	2.9 U	1.3 U	1.3 U	5.4 U	4.7 U	24.1 U	5.5 U	3.0 U	2.7 U	3.1 U	3.0 U	1.3 U	
Bromofom	2.1 U	7.6 U	8.1 U	7.6 U	50.6 U	7.2 U	4.2 U	4.2 U	4.5 U	2.1 U	2.1 U	7.9 U	8.3 U	7.2 U	37.2 U	8.5 U	4.6 U	4.1 U	4.8 U	4.6 U	2.1 U
Bromomethane	0.78 U	2.9 U	3 U	2.9 U	19 U	1.6 U	1.6 U	1.7 U	0.78 U	3 U	3.1 U	2.7 U	14 U	3.2 U	1.7 U	1.5 U	1.8 U	1.7 U	1.8 U	1.7 U	0.78 U
Butadiene, 1,3-	0.44 U	2.2	1.7 U	1.6 U	10.8 U	7.5	0.90 U	0.89 U	0.95 U	0.44 U	0.44 U	1.7 U	6	4	8 U	3.1	0.98 U	0.88 U	1 U	0.98 U	0.44 U
Butane	0.48 U	NA	NA	NA	NA	NA	2.2	0.95 U	1.0 U	0.48 U	0.71	NA	NA	NA	NA	NA	16	0.52 J	2.1	1.0 U	6.4
Butanone,2-	1.5	25.4	2.3 U	8.8	17.1	17.1	1.2 J	4.7	1.3 U	1.9	1.5 U	28	19.2	4.7 J	12.1	20.6	3.1 J	2.7 J	1.9	1.6	0.59 U
Carbon disulfide	1.8	17.1	8.4	2.3 U	15.3 U	14.9	1.7	2.5 J	5.4	0.75	1.4	2.4 U	9.7	3.7	11.2 U	4.7	11	6.7 J	7.6	2.2	1.0
Carbon tetrachloride	1.3 U	4.7 U	4.9 U	4.7 U	30.8 U	4.4 U	2.6 U	2.5 UJ	2.7 U	1.3 U	1.3 U	4.8 U	5 U	4.4 U	22.6 U	5.2 U	2.8 U	2.5 U	2.9 UJ	2.8 U	1.3 U
Chlorobenzene	0.92 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U
Chloroethane	0.53 U	2 U	2.1 U	2 U	12.9 U	1.8 U	1.1 U	1.1 U	1.1 U	0.53 U	0.53 U	2 U	2.1 U	1.8 U	9.5 U	2.2 U	1.2 U	1 U	1.2 U	1.2 U	0.53 U
Chloroform	0.89 J	3.6 U	3.8 U	3.6 U	23.9 U	3.4 U	2.0 U	2 U	1.3 J	0.34 J	0.43 J	3.7 U	8.8	3.4 U	17.6 U	6.8	2.7	10	19	6.9	1.9
Chloromethane	0.11 J	6.2 U	6.4 U	6.2 U	39.2 U	5.8 U	0.84 U	0.83 U	0.89 U	0.41 U	0.41 U	6.2 U	6.6 U	5.8 U	28.9 U	6.8 U	1.5 J	0.46 J	0.62 J	0.91 U	0.41 U
Chlorotoluene,2-	1.0 U	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.2 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.3 U	2.1 U	2.4 U	2.3 U	1.0 U
Cryofluorane	1.4 U	5.2 U	5.5 U	5.2 U	34.3 U	4.9 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	5.3 U	5.6 U	4.9 U	25.2 U	5.7 U	3.1 U	2.8 U	3.3 U	3.1 U	1.4 U
Cyclohexane	17	2.5 U	2.7 U	2.5 U	16.9 U	2.4 U	1.4 U	66	160	11	72	213.4	2.8 U	2.4 U	12.4 U	2.8 U	15	11	4.6	1.5 U	0.93
Decane, n-	1.2 UJ	NA	NA	NA	NA	NA	2.4 U	7.8	2.5 U	1.2 U	1.2 UJ	NA	NA	NA	NA	NA	0.90 J	1.6 J	2.7 U	2.6 U	1.2 U
Dibromochloromethane	1.7 U	6.3 U	6.6 U	6.3 U	41.7 U	6 U	3.5 U	3.4 U	3.7 U	1.7 U	1.7 U	6.5 U	6.8 U	6 U	30.7 U	7 U	3.8 U	3.4 U	4 U	3.8 U	1.7 U
Dibromoethane,1,2-	1.5 U	5.7 U	6 U	5.7 U	37.6 U	5.4 U	3.1 U	3.1 U	3.3 U	1.5 U	1.5 U	5.8 U	6.1 U	5.4 U	27.7 U	6.3 U	3.4 U	3.1 U	3.6 U	3.4 U	1.5 U
Dichlorobenzene,1,2-	1.2 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U
Dichlorobenzene,1,3-	1.2 U	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 U	2.4 U	2.6 U	1.2 U	1.2 U	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 U	2.4 U	2.8 U	2.7 U	1.2 U
Dichlorobenzene,1,4-	0.99 J	4.4 U	4.7 U	4.4 U	29.5 U	4.2 U	2.4 UJ	1.4 J	0.91 J	1.2 U	0.53 J	4.6 U	4.8 U	4.2 U	21.6 U	4.9 U	2.7 UJ	1.3 J	1.8 J	2.7 U	1.2 U
Dichlorodifluoromethane	2.4	3.7 U	3.9 U	3.8	24.2 U	3.5 U	2.7	2.7	2.6	1.9	3.8 U	4 U	3.5 U	17.8 U	4.1 U	2.6	2.5	3.1	2.7 U	2.7	
Dichloroethane,1,1-	0.81 U	3 U	3.2 U	3 U	19.8 U	2.8 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U
Dichloroethane,1,2-	0.81 U	3 U	3.2 U	3 U	19.8 U	2.8 U	1.6 U	1.6 U	1.8 U	0.81 U	0.81 U	3.1 U	3.2 U	2.8 U	14.6 U	3.3 U	1.8 U	1.6 U	1.9 U	1.8 U	0.81 U
Dichloroethane, cis-1,2-	0.79	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U
Dichloroethane,1,1-	0.79 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U
Dichloropropane,1,2-	0.92 U	3.4 U	3.6 U	3.4 U	22.6 U	3.2 U	1.9 U	1.9 U	2.0 U	0.92 U	0.92 U	3.5 U	3.7 U	3.2 U	16.6 U	3.8 U	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	3.4 U	3.5 U	3.4 U	22.2 U	3.2 U	1.8 U	1.8 U	2.0 U	0.91 U	0.91 U	3.4 U	3.6 U	3.2 U	16.3 U	3.7 U	2.0 U	1.8 U	2.1 U	2.0 U	0.91 U
Dioxane,1,4-	0.72 U	10.8 U	11.2 U	10.8 U	68.5 U	10.1 U	3.6 U	1.4 U	1.6 U	1.8 U	0.72 U	10.8 U	11.5 U	10.1 U	50.4 U	11.9 U	4.0 U	3.6 U	1.7 U	1.6 U	1.8 U
Dodecane, n-	2.9	NA	NA	NA	NA	NA	2.8 U	13	1.6 J	0.77 J	1.4 J	NA	NA	NA	NA	NA	3.1 U	8.6 J	2.5 J	3.1 U	0.42 J
Ethanol	2.5 J	105.5	5.8 U	26.4	114.9	41.5	20	290	140	8.7 U	1.4 J	49	30.1	35.8	69.7	58.4	56	4.6	13	10	2.9 U
Ethylthiophene, 2-	0.92 U	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.0 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.2 U	2.0 U	0.92 U
Ethyltoluene, p-	0.27 J	11.3	3.8 U	4.9 J	24.1 U	35.4	2.0 U	1.8 J	1.2 J	0.98 U	0.52 J	3.7 U	16.7	3.4 U	17.7 U	20.2	0.55 J	2 U	2.3 U	2.2 U	0.98 U
Heptane, n-	0.32 J	3.4	3.4	7.4	20.1 U	9.8	1.7 U	6.2	6.5	0.49 J	1.6	225.4	16.4	3.5	14.8 U	10.2	2.6	1.6 U	1.9 U	1.8 U	0.29 J
Hexachlorobutadiene	2.1 U	32 U	33.1 U	32 U	202.6 U	29.9 UJ	4.3 UJ	4.3 U	4.6 U	2.1 U	2.1 U	32 U	34.1 U	29.9 U	149.3 U	35.2 UJ	4.7 UJ	4.1 J	5 U	4.7 U	2.1 U
Hexane, n-	6.4	3.9	2.7 U	7.4	17.3 U	10.6	1.8	260	420	8.5	40	4.2 J	15.2	6.3	12.7 U	10.6	62	3.8	3.1	4.6	0.28 J
Hexanone,2-	0.35 J	12.3 U	12.7 U	12.3 U	77.8 U	11.5 U	4.2 U	1.6 U	1.8 U	0.33 J	0.82 U	12.3 U	13.1 U	11.5 U	57.4 U	13.5 U	4.5 U	1.6 U	1.9 U	1.8 U	0.82 U
Indan	0.24 J	NA	NA	NA	NA	13.5 U	2.0 U	0.99 J	0.73 J	0.97 U	NA	NA	NA	NA	NA	NA	16 U	0.54 J	1.9 U	2.3 U	0.97 U
Indene	0.95 U	NA	NA	NA	NA	13.3 U	1.9 U	1.9 U	2.0 U	0.95 U	0.95 U	NA	NA	NA	15.7 U	2.1 U	1.9 U	2.2 U	2.1 U	0.95 U	
Isopropyl benzene	NA	3.6 U	3.8 U	3.6 U	24.1 U	3.4 U	NA	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	4 U	NA	NA	NA	NA	
Methyl tert-butyl ether	0.72 U	2.7 U	2.8 U	2.7 U	17.7 U	2.5 U	1.5 U	1.4 U	1.6 U	0.72 U	0.72 U	3	4.3	2.5 U	13 U	3 U	1.6 U	1.4 U	1.7 U	1.6 U	0.72 U
Methyl-2-pentanone,4-	0.82 U	3 U	3.2 U	3 U	20.1 U	2.9 U	1.7 U	2.9	1.8 U	0.82 U	0.82 U	3.1 U	3.3 U	2.9 U	14.7 U	3.4 U					

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG03 3/26/2008	OU2SG04 5/5/2005	OU2SG04 8/30/2005	OU2SG04 2/1/2006	OU2SG04 6/14/2006	OU2SG04 9/7/2006	OU2SG04 2/22/2007	OU2SG04 5/24/2007	OU2SG04 9/18/2007	OU2SG04 12/18/2007	OU2SG04 3/26/2008	OU2SG05 5/25/2005	OU2SG05 8/31/2005	OU2SG05 2/2/2006	OU2SG05 6/15/2006	OU2SG05 9/8/2006	OU2SG05 2/22/2007	OU2SG05 6/14/2007	OU2SG05 7/25/2007	OU2SG05 9/19/2007	OU2SG05 12/19/2007
Other VOCs Continued (ug/m3)																					
Octane, n-	0.93 U	NA	NA	NA	NA	NA	1.9 U	1.6 J	1.5 J	0.93 U	0.34 J	NA	NA	NA	NA	NA	1.2 J	1.9 U	2.2 U	2.1 U	0.93 U
Pentane	0.59 UJ	NA	NA	NA	NA	NA	1.1 J	1.2 U	0.64 J	0.59 U	0.59 UJ	NA	NA	NA	NA	NA	9.4	1.2 U	3.6	0.52 J	1.7
Propanol-2-	1.2 U	16.2	7.6 U	7.4 U	46.7 U	6.9 U	1.0 J	1.9 J	0.95 J	1.1 J	1.2 U	7.4 U	7.9 U	6.9 U	90.9	8.1 U	2.7	4.9 U	15 J	0.76 J	0.49 U
Propylbenzene, n-	NA	3.6 U	3.8 U	3.6 U	24.1 U	8.8	NA	NA	NA	NA	3.7 U	3.9 U	3.4 U	17.7 U	5.4	NA	NA	NA	NA	NA	NA
Styrene	0.36 J	3.2 U	3.3 U	3.2 U	20.9 U	3 U	1.7 U	1.7 U	1.8 U	0.85 U	0.85 U	3.2 U	3.4 U	3 U	15.3 U	3.5 U	1.9 U	1.7 U	2 U	1.9 U	0.85 U
t-Butyl alcohol	0.33 J	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.0 J	0.61 U	0.24 J	NA	NA	NA	NA	NA	1.3 U	1.2	0.83 J	1.3 U	0.61 U
Tetrachloroethane, 1,1,2,2-	1.4 U	5.1 U	5.4 U	5.1 U	33.6 U	4.8 U	2.8 U	2.8 U	3.0 U	1.4 U	1.4 U	5.2 U	5.5 U	4.8 U	24.7 U	5.6 U	3.0 U	2.7 U	3.2 U	3.0 U	1.4 U
Tetrachloroethene	1.4 U	5 U	5.3 U	8.1	34.6	19	2.8 U	6.7	5.7	1.8	2.7	32.6	5.9	5.4	27.8	14.9	0.90 J	2.4 J	1.8 J	1.4 J	0.41 J
Tetrahydrofuran	NA	2.2 U	2.3 U	2.2 U	14.5 U	2.1 U	NA	NA	NA	NA	2.2 U	2.4 U	2.1 U	10.6 U	2.4 U	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	3.4	NA	NA	NA	NA	NA	2.2 U	2.6 J	3.0 J	0.99 J	3.4	NA	NA	NA	NA	NA	2.4 U	5.2	2.4 J	2.4 U	1.1 U
Thiophene	0.69 U	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.5 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.6 UJ	1.5 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	2.9 U	3.1 U	2.9 U	19.4 U	2.8 U	1.6 U	1.6 U	1.7 U	0.79 U	0.79 U	3 U	3.2 U	2.8 U	14.3 U	3.3 U	1.8 U	1.6 U	1.8 U	1.8 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.56 J	5.7 U	6 U	5.7 U	37.6 U	5.4 U	0.78 J	3.1 U	3.3 U	0.54 J	0.58 J	5.8 U	6.1 U	5.4 U	27.6 U	6.3 U	3.4 U	3 U	3.6 U	3.4 U	0.54 J
Trichlorobenzene, 1,2,4-	1.5 U	22.3 U	23 U	22.3 U	141 U	20.8 UJ	3.0 UJ	3 U	3.2 U	1.5 U	22.3 U	23.7 U	20.8 U	103.9 U	24.5 UJ	3.3 UJ	3.3	3.5 U	3.3 U	3.3 U	1.5 U
Trichloroethane, 1,1,1-	1.1 U	4 U	4.3 U	4 U	26.7 U	3.8 U	2.2 U	2.2 UJ	2.4 U	1.1 U	1.1 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U
Trichloroethane, 1,1,2-	1.1 U	4 U	4.3 U	4 U	26.7 U	3.8 U	2.2 U	2.2 U	2.4 U	1.1 U	1.1 U	4.1 U	4.4 U	3.8 U	19.6 U	4.5 U	2.4 U	2.2 U	2.6 U	2.4 U	1.1 U
Trichloroethene	2.3	4 U	4.2 U	4 U	26.3 U	3.8 U	2.2 U	2.2 U	2.3 U	1.1 U	1.1 U	4.1 U	4.3 U	3.8 U	19.3 U	4.4 U	2.4 U	2.1 U	2.5 U	2.4 U	0.32 J
Trichlorofluoromethane	2.7	4.2 U	4.4 U	4.2 U	27.5 U	3.9 U	1.2 J	1.9 J	1.7 J	1.4	1.1 J	4.3 U	4.5 U	3.9 U	20.2 U	4.6 U	1.7 J	1.9 J	2.9	2.0 J	1.3
Trimethylbenzene, 1,2,3-	1.2	NA	NA	NA	NA	NA	0.70 J	1.7 J	1.4 J	0.98 U	0.36 J	NA	NA	NA	NA	0.98 J	1.1 J	2.3 U	2.2 U	0.98 U	
Trimethylbenzene, 1,2,4-	0.37 J	10.8	3.8 U	3.9	24.1 U	43.3 J	1.7 J	8.1 J	3.5	0.54 J	0.48 J	3.7 U	15.7	3.4 U	17.7 U	21.6 J	2.2	1.2 J	2.3 U	2.2 U	0.98 U
Trimethylbenzene, 1,3,5-	0.65 J	4	3.8 U	3.6 U	24.1 U	10.8	2.0 U	2.3	1.5 J	0.98 U	0.57 J	3.7 U	5.9	3.4 UJ	17.7 U	5.4	0.76 J	2 U	2.3 U	2.2 U	0.98 U
Trimethylpentane, 2,2,4-	0.93 U	3.5 U	3.6 U	794.2	5606.4	981.1	1.9 U	1.1 J	1.1 J	0.93 U	0.93 U	3.6 U	15.4	462.5	4111.4	607.4	3.7 J	1.9 U	2.2 U	2.1 U	0.93 U
Undecane, n-	2.0	NA	NA	NA	NA	NA	2.6 U	4.7	2.8 U	2.7	5.4	NA	NA	NA	NA	NA	2.8 U	2.5 U	1.4 J	2.8 U	1.3 U
Vinyl bromide	0.87 U	NA	NA	NA	NA	NA	1.8 U	1.8 U	1.9 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	1.9 U	1.7 U	2 U	1.9 U	0.87 U
Vinyl chloride	0.51 U	1.9 U	2 U	1.9 U	12.5 U	1.8 U	1.0 U	1 U	1.1 U	0.51 U	0.51 U	1.9 U	2 U	1.8 U	9.2 U	2.1 U	1.1 U	1 U	1.2 U	1.1 U	0.51 U
Other																					
Helium	0.016	NA	NA	NA	NA	NA	NA	NA	NA	0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.37

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG05 3/27/2008	OU2SG06 5/5/2005	OU2SG06 8/30/2005	OU2SG06 2/2/2006	OU2SG06 6/14/2006	OU2SG06 9/7/2006	OU2SG06 2/21/2007	OU2SG06 6/13/2007	OU2SG06 9/19/2007	OU2SG06 12/18/2007	OU2SG06 4/3/2008	OU2SG07 5/25/2005	OU2SG07 8/30/2005	OU2SG07 2/1/2006	OU2SG07 6/14/2006	OU2SG07 9/7/2006	OU2SG07 2/21/2007	OU2SG07 5/24/2007
BTEX (ug/m3)																		
Benzene	0.19 J	6.4	8.9	7	13.4 U	11.5	0.65 J	1.3 U	0.45 J	0.64 U	0.64 U	4.5	6.7	13.4	7.7 U	15.7	0.43 J	0.81 J
Ethylbenzene	0.87 U	8.3	30	16.5	18.2 U	30.8	2.0	1.1 J	0.61 J	0.39 J	0.87 U	5.2 U	24.8	21.3	10.4 U	32.6	2.0	20
Toluene	0.62 J	37.7	101.7	75.4	36.2	128.1	4.9	73	15	26	4.0	17	90.4	109.3	21.1	135.7	5.4	1100
Xylene, m,p-	1.7 U	31.3	125.9	60.8	19.1	108.6	5.5	13	0.82 J	0.35 J	0.23 J	5.2 U	104.2	65.1	14.8	112.9	6.4	67
Xylene, o-	0.87 U	10.9	42.1	14.8	18.2 U	29.5	2.5	7.3	2.0 U	0.35 J	0.87 U	5.2 U	36.5	14.3	10.4 U	31.7	2.3	20
Other VOCs (ug/m3)																		
Acetaldehyde	4.5 U	NA	NA	NA	NA	NA	4.0 J	260	25	3.3 U	4.5 U	NA	NA	NA	NA	NA	0.82 UJ	130 J
Acetone	2.6 U	831.4 EJ	201.9	71.3	451.3	235.2	12	15	6.4	2.0 U	1.4 U	130.6	261.3	135.4	192.4	285.1	12	20 J
Acrolein (propenal)	1.2 U	NA	NA	NA	NA	NA	0.93 U	1.5 J	1.1 U	0.46 U	1.2 U	NA	NA	NA	NA	NA	1.0 U	1.4 J
Allyl chloride	0.63 U	9.1 U	9.4 U	9.4 U	53.2 U	9.4 U	1.3 U	1.3 U	1.5 U	0.63 U	0.63 U	15.3 U	10 U	22.5 U	30.4 U	9.4 U	1.4 U	1.3 U
Benzothiophene	1.1 U	NA	NA	NA	NA	NA	11 UJ	2.2 UJ	2.6 U	1.1 U	1.1 UJ	NA	NA	NA	NA	NA	12 UJ	5.5 U
Bromodichloromethane	1.3 U	4.9 U	5 U	5 U	28.1 U	5.1 U	2.7 U	2.7 U	3.2 U	1.3 U	1.3 U	8 U	5.4 U	12.1 U	16.1 U	5 U	3.0 U	2.7 U
Bromoform	2.1 U	7.5 U	7.6 U	7.6 U	43.4 U	7.9 U	4.2 U	4.2 U	4.9 U	2.1 U	2.1 U	12.4 U	8.3 U	18.6 U	24.8 U	7.6 U	4.7 U	4.2 U
Bromomethane	0.78 U	2.8 U	2.9 U	2.9 U	16.3 U	3 U	1.6 U	1.6 U	1.8 U	0.78 U	0.78 U	4.7 U	3.1 U	7 U	9.3 U	2.9 U	1.8 U	1.6 U
Butadiene, 1,3-	0.44 U	4.4	1.6 U	3.1	9.3 U	5.8	0.90 U	0.9 U	1.0 U	0.44 U	0.44 U	2.7 U	2.4	4 U	5.3 U	8.2	1.0 U	0.89 U
Butane	2.1	NA	NA	NA	NA	NA	22	0.96 U	1.1 U	0.48 U	0.48 U	NA	NA	NA	NA	NA	1.1 U	0.95 U
Butanone,2-	0.24 J	29.5	10	6.2 J	18.9	13.9	1.9 J	1.2 UJ	1.4	0.59	1.5 U	6.2	7.4	20.6	7.4	18.9	1.4 J	4.6
Carbon disulfide	0.56 J	2.3	2.3 U	2.3 U	13.1 U	3.1	0.89 J	9.8 J	4.0	2.8	1.6	3.7 U	5.3	21.8	15.3	3	1.4 U	5.7 J
Carbon tetrachloride	0.36 J	4.6 U	4.7 U	4.7 U	26.4 U	4.8 U	2.6 U	2.6 U	3.0 U	1.3 U	1.3 U	7.5 U	5 U	11.3 U	15.1 U	4.7 U	2.8 U	2.5 UJ
Chlorobenzene	0.92 U	3.4 U	3.4 U	3.4 U	19.3 U	3.5 U	1.9 U	1.9 U	2.2 U	0.92 U	0.92 U	5.5 U	3.7 U	8.3 U	11 U	3.4 U	2.1 U	1.8 U
Chloroethane	0.53 U	1.9 U	2 U	2 U	11.1 U	2 U	1.1 U	1.1 U	1.2 U	0.53 U	0.53 U	3.2 U	2.1 U	4.7 U	6.3 U	2 U	1.2 U	1.1 U
Chloroform	1.6	3.6 U	3.6 U	3.6 U	20.5 U	3.7 U	1.8 J	2 U	2.3 U	0.98 U	0.34 J	5.9 U	9.8	8.8 U	11.7 U	3.6 U	2.2 U	4
Chloromethane	0.14 J	6 U	6.2 U	6.2 U	35.1 U	6.2 U	0.84 U	0.84 U	0.97 U	0.41 U	0.11 J	10.1 U	6.6 U	14.9 U	20 U	6.2 U	0.94 U	0.83 U
Chlorotoluene,2-	1.0 U	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.4 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.4 U	2.1 U
Cryofluorane	1.4 U	5.1 U	5.2 U	5.2 U	29.4 U	5.3 U	2.8 U	2.8 U	3.3 U	1.4 U	1.4 U	8.4 U	5.6 U	12.6 U	16.8 U	5.2 U	3.2 U	2.8 U
Cyclohexane	0.62 J	2.5 U	6.9	2.5 U	14.5 U	2.6 U	0.91 J	200	25	91	42	344.2	4.8	6.2 U	8.3 U	2.5 U	1.6 U	130
Decane, n-	1.2 U	NA	NA	NA	NA	NA	1.2 J	22	2.7 U	0.52 J	1.2 U	NA	NA	NA	NA	NA	1.1 J	18
Dibromochloromethane	1.7 U	6.2 U	6.3 U	6.3 U	35.8 U	6.5 U	3.5 U	3.5 U	4.0 U	1.7 U	1.7 U	10.2 U	6.8 U	15.3 U	20.4 U	6.3 U	3.9 U	3.4 U
Dibromoethane,1,2-	1.5 U	5.6 U	5.7 U	5.7 U	32.3 U	5.8 U	3.1 U	3.1 U	3.6 U	1.5 U	1.5 U	9.2 U	6.1 U	13.8 U	18.4 U	5.7 U	3.5 U	3.1 U
Dichlorobenzene,1,2-	1.2 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U	2.8 U	1.2 U	1.2 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U
Dichlorobenzene,1,3-	1.2 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U	2.8 U	1.2 U	1.2 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U
Dichlorobenzene,1,4-	1.2 U	4.4 U	4.4 U	4.4 U	25.3 U	4.6 U	2.4 U	2.4 U	2.8 U	1.2 U	1.2 U	7.2 U	4.8 U	10.8 U	14.4 U	4.4 U	2.7 U	2.4 U
Dichlorodifluoromethane	2.2	3.6 U	3.7 U	3.7 U	20.8 U	3.8 U	2.4	3	2.8	2.2	2.1	5.9	4 U	8.9 U	11.9 U	6.4	5.3	3.4
Dichloroethane,1,1-	0.81 U	3 U	3 U	3 U	17 U	3.1 U	1.6 U	1.6 U	1.9 U	0.81 U	0.81 U	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U
Dichloroethane,1,2-	0.81 U	3 U	3 U	3 U	17 U	3.1 U	1.6 U	1.6 U	1.9 U	0.81 U	0.81 U	4.9 U	3.2 U	7.3 U	9.7 U	3 U	1.8 U	1.6 U
Dichloroethene, cis-1,2-	0.79 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U	1.9 U	0.79 U	0.79 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U
Dichloroethene,1,1-	0.79 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U	1.9 U	0.79 U	0.79 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U
Dichloropropane,1,2-	0.92 U	3.4 U	3.4 U	3.4 U	19.4 U	3.5 U	1.9 U	1.9 U	2.2 U	0.92 U	0.92 U	5.5 U	3.7 U	8.3 U	11.1 U	3.4 U	2.1 U	1.9 U
Dichloropropene, cis-1,3	0.91 U	3.3 U	3.4 U	3.4 U	19.1 U	3.4 U	1.8 U	1.8 U	2.1 U	0.91 U	0.91 U	5.4 U	3.6 U	8.2 U	10.9 U	3.4 U	2.1 U	1.8 U
Dichloropropene, trans-1,3	0.91 U	3.3 U	3.4 U	3.4 U	19.1 U	3.4 U	1.8 U	1.8 U	2.1 U	0.91 U	0.91 U	5.4 U	3.6 U	8.2 U	10.9 U	3.4 U	2.1 U	1.8 U
Dioxane,1,4-	0.72 U	10.5 U	10.8 U	10.8 U	61.3 U	10.8 U	3.7 U	3.6 U	1.7 U	1.8 U	0.72 U	17.7 U	11.5 U	25.9 U	35 U	10.8 U	4.1 U	1.4 U
Dodecane, n-	0.41 J	NA	NA	NA	NA	NA	1.1 J	9.2	0.99 J	1.4 U	1.4 U	NA	NA	NA	NA	NA	1.6 J	13
Ethanol	1.1 J	156.4	26.4	12.2	98	30.1	37	9	7.7	3.0 U	0.89 J	433.4	20.7	54.6	18.3 U	43.3	31	6.3
Ethylthiophene, 2-	0.92 U	NA	NA	NA	NA	NA	1.9 U	1.9 U	2.2 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.1 U	1.8 U
Ethyltoluene, p-	0.98 U	9.3	54.1	11.3	20.6 U	43.8	0.80 J	2 U	2.3 U	0.98 U	0.98 U	5.9 U	42.8	8.8 U	11.8 U	43.3	0.56 J	3.2
Heptane, n-	0.82 U	5.3	12.3	3 U	17.2 U	10.7	0.67 J	2.7	1.9 U	0.82 U	0.82 UJ	163.9	9.8	9	9.8 U	14.3	1.9 U	4.7
Hexachlorobutadiene	2.1 U	30.9 U	32 U	32 U	181.3 U	32 UJ	4.4 UJ	4.3 U	5.0 U	2.1 U	2.1 U	52.3 U	34.1 U	76.8 U	103.5 U	32 UJ	4.8 UJ	4.3 U
Hexane, n-	0.24 J	6.7	10.9	7.8	14.8 U	10.6	1.9	300	7.1	3.4	0.70 U	6.3 J	9.5	13.4	8.5 U	14.8	1.8	76
Hexanone,2-	0.82 U	11.9 U	12.3 U	12.3 U	69.6 U	12.3 U	4.2 U	1.7 U	1.9 U	0.82 U	0.82 U	20.1 U	13.1 U	29.5 U	39.7 U	12.3 U	4.6 U	1.6 U
Indan	0.97 U	NA	NA	NA	NA	NA	14.5 U	0.69 J	2 U	NA	NA	NA	NA	NA	NA	NA	14.5 U	0.66 J
Indene	0.95 U	NA	NA	NA	NA	NA	14.3 U	1.9 U	1.9 U	2.2 U	0.95 U	0.95 U	NA	NA	NA	14.3 U	2.2 U	1.9 U
Isopropyl benzene	NA	3.6 U	4.9	3.6 U	20.6 U	3.7 U	NA	NA	NA	NA	NA	5.9 U	3.9 U	8.8 U	11.8 U	3.6 U	NA	NA
Methyl tert-butyl ether	0.72 U	2.6 U	23.8	2.7 U	15.1 U	2.7 U	1.5 U	1.5 U	1.7 U	0.72 U	0.72 U	6.9	15.1	6.5 U	8.7 U	2.7 U	1.6 U	1.4 U
Methyl-2-pentanone,4-	0.82 U	3 U	3 U	3 U	17.2 U	3.1 U	0.67 J	1.7 U	1.9 U	0.82 U	0.82 U	4.9 U	3.3 U	7.4 U	9.8 U	3 U	1.9 U	2.9
Methylene chloride	0.35 J	2.5 U	2.6 U	2.6 U	14.6 U	2.6 U	3.5 J	8	9.8	0.69 U	1.7 U	4.2 U	2.8 U	6.3 U	55.6	2.6 U	30	21
Methylnaphthalene,1-	1.2 U	NA	NA	NA	NA	NA	30 U	1.2 J	2.7 U	1.4 UJ	1.2 UJ	NA	NA	NA	NA	NA	33 U	1.3 J
Methylnaphthalene,2-	1.2 U	NA	NA	NA	NA	NA	30 U	2.2 J	2.7 U	1.4 U	1.2 UJ	NA	NA	NA	NA	NA	33 U	2.3 J
Methylthiophene, 2-	0.80 U	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.9 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Methylthiophene, 3-	0.80 U	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.9 U	0.80 U	0.80 U	NA	NA	NA	NA	NA	1.8 U	1.6 U
Naphthalene	1.0 U	15.2 UJ	15.7 U	15.7 U	89.1 UJ	15.7 U	5.3 U	1.2 J	2.5 U	0.73 J	1.0 U	25.7 U	16.8 U	37.7 U	50.8 UJ	15.7 U	5.9 U	4
Nonane	1.0 U	NA	NA	NA	NA	NA	1.1 J	2.1 U	2.5 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	1.2 J	8.4

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG05 3/27/2008	OU2SG06 5/5/2005	OU2SG06 8/30/2005	OU2SG06 2/2/2006	OU2SG06 6/14/2006	OU2SG06 9/7/2006	OU2SG06 2/21/2007	OU2SG06 6/13/2007	OU2SG06 9/19/2007	OU2SG06 12/18/2007	OU2SG06 4/3/2008	OU2SG07 5/25/2005	OU2SG07 8/30/2005	OU2SG07 2/1/2006	OU2SG07 6/14/2006	OU2SG07 9/7/2006	OU2SG07 2/21/2007	OU2SG07 5/24/2007
Other VOCs Continued (ug/m3)																		
Octane, n-	0.93 U	NA	NA	NA	NA	NA	0.67 J	1.9 U	2.2 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.53 J	1.8 J
Pentane	0.86	NA	NA	NA	NA	NA	3.2	1.2 U	1.4 U	0.59 U	0.59 U	NA	NA	NA	NA	NA	1.3 U	1.2 U
Propanol-2-	0.38 J	16.2	7.4 U	7.4 U	41.8 U	7.4 U	2.4	2.5 J	1.2	0.49 U	0.45 J	36.9 J	7.9 U	17.7 U	23.8 U	7.4 U	1.7	1.9 J
Propylbenzene, n-	NA	3.6 U	10.8	3.6 U	20.6 U	10.8	NA	NA	NA	NA	NA	5.9 U	8.4	8.8 U	11.8 U	10.3	NA	NA
Styrene	0.85 U	3.1 U	4.1	3.2 U	17.9 U	3.2 U	1.7 U	1.7 U	2.0 U	0.85 U	0.85 U	5.1 U	4	7.7 U	10.2 U	3.2 U	1.9 U	1.1 J
t-Butyl alcohol	0.61 U	NA	NA	NA	NA	NA	1.2 U	1.4	0.43 J	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.4 U	0.85 J
Tetrachloroethane,1,1,2,2-	1.4 U	5 U	5.1 U	5.1 U	28.8 U	5.2 U	2.8 U	2.8 U	3.2 U	1.4 U	1.4 U	8.2 U	5.5 U	12.4 U	16.5 U	5.1 U	3.1 U	2.8 U
Tetrachloroethene	0.49 J	5	12.2	16.3	32.6	24.4	0.83 J	2.4 J	1.9 J	0.41 J	0.62 J	8.1 U	29.2	27.8	23.1	39.3	4.6	26
Tetrahydrofuran	NA	2.2 U	2.2 U	2.2 J	12.4 U	2.2 U	NA	NA	NA	NA	NA	3.5 U	2.4 U	5.3 U	7.1 U	2.2 U	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.1 U	NA	NA	NA	NA	NA	2.2 U	4	2.6 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	2.5 U	10 J
Thiophene	0.69 U	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.6 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.6 U	1.4 U
Trans-1,2-dichloroethene	0.79 U	2.9 U	2.9 U	2.9 U	16.7 U	3 U	1.6 U	1.6 U	1.9 U	0.79 U	0.79 U	4.8 U	3.2 U	7.1 U	9.5 U	2.9 U	1.8 U	1.6 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.5 U	5.6 U	5.7 U	5.7 U	32.2 U	5.8 U	3.1 U	3.1 U	3.6 U	1.5 U	0.68 J	9.2 U	6.1 U	13.8 U	18.4 U	5.7 U	3.5 U	3.1 U
Trichlorobenzene,1,2,4-	1.5 U	21.5 U	22.3 U	22.3 U	126.2 U	22.3 UJ	3.0 UJ	3 U	3.5 U	1.5 U	1.5 U	36.4 U	23.7 U	53.4 U	72 U	22.3 UJ	3.4 UJ	3 U
Trichloroethane,1,1,1-	1.1 U	4 U	4 U	4 U	22.9 U	4.1 U	2.2 U	2.2 U	2.6 U	1.1 U	1.1 U	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 UJ
Trichloroethane,1,1,2-	1.1 U	4 U	4 U	4 U	22.9 U	4.1 U	2.2 U	2.2 U	2.6 U	1.1 U	1.1 U	6.5 U	4.4 U	9.8 U	13.1 U	4 U	2.5 U	2.2 U
Trichloroethene	1.1 U	3.9 U	4 U	4 U	22.6 U	4.1 U	2.2 U	2.2 U	2.5 U	1.1 U	1.1 U	8.1	4.3 U	9.7 U	12.9 U	4 U	2.4 U	2.2 U
Trichlorofluoromethane	1.2	4.1 U	4.2 U	4.2 U	23.6 U	4.3 U	1.5 J	2.3 U	1.6 J	1.1	1.9	6.7 U	4.5 U	10.1 U	13.5 U	4.2 U	1.7 J	1.6 J
Trimethylbenzene,1,2,3-	0.98 U	NA	NA	NA	NA	NA	1.4 J	1.7 J	2.3 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	1.7 J	4.3
Trimethylbenzene,1,2,4-	0.98 U	8.8	47.2	8.4	20.6 U	54.1 J	2.8	1.2 J	2.3 U	0.98 U	0.98 U	5.9 U	40.3	8.8 U	11.8 U	54.1 J	3.5	16 J
Trimethylbenzene,1,3,5-	0.98 U	3.6 U	16.2	3.6 UJ	20.6 U	14.3	1.2 J	2 U	2.3 U	0.98 U	0.98 U	5.9 U	14.3	8.8 U	11.8 U	12.8	1.1 J	4.1
Trimethylpentane, 2,2,4-	0.93 U	3.5	15.4	981.1	5139.2	934.4	1.1 J	1.4 J	2.2 U	0.93 U	0.93 UJ	5.6 U	10.7	1775.4	2429.4	1308.2	2.1 U	1.9 U
Undecane, n-	1.3 U	NA	NA	NA	NA	NA	1.0 J	2.6 U	3.0 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	1.0 J	20
Vinyl bromide	0.87 U	NA	NA	NA	NA	NA	1.8 U	1.8 U	2.1 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	2.0 U	1.8 U
Vinyl chloride	0.51 U	1.9 U	1.9 U	1.9 U	10.7 U	1.9 U	1.0 U	1 U	1.2 U	0.51 U	0.51 U	3.1 U	2 U	4.6 U	6.1 U	1.9 U	1.2 U	1 U
Other																		
Helium	0.846	NA	NA	NA	NA	NA	NA	NA	NA	0.022	0.014	NA	NA	NA	NA	NA	NA	NA

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG07 9/12/2007	OU2G07 12/19/2007	OU2SG07 4/3/2008	OU2SG08 5/25/2005	OU2SG08 8/31/2005	OU2SG08 2/2/2006	OU2SG08 6/15/2006	OU2SG08 9/8/2006	OU2SG08 2/21/2007	OU2SG08 5/24/2007	OU2SG08 7/25/2007	OU2SG08 9/12/2007	OU2SG08 12/19/2007	OU2SG08 3/27/2008	OU2SG09 5/25/2005	OU2SG09 8/31/2005	OU2SG09 2/2/2006	OU2SG09 6/15/2006	OU2SG09 9/8/2006	OU2SG09 2/21/2007	
BTEX (ug/m3)																					
Benzene	0.56 JB	0.16 J	0.64 U	5.1	5.4	2.2 U	11.5 U	11.2	0.55 J	1.3 U	0.62 J	0.72 JB	0.64 U	0.64 U	2.2 U	5.8	3.1	10.2 U	10.2	1.4 UJ	
Ethylbenzene	1.9 U	0.22 J	0.56 J	3 U	24.8	4.8	15.6 U	25.6	1.7 J	5.4	2.2 J	2.2 U	0.87 U	0.87 U	3 U	20.4	6.5	13.9 U	21.7	1.2 J	
Toluene	23	16	10	11.3	82.9	6	28.6	128.1	4.3	8.9	120 J	3.1	1.7	0.85	10.6	82.9	14.3	37.7	105.5	3.7 J	
Xylene, m,p-	1.3 J	0.61 J	1.7 J	4.8	95.5	4.8	15.6	91.2	5.1	5.7	4.6 J	4.3 U	1.7 U	0.22 J	4.2	78.2	10.4	22.1	78.2	3.9 J	
Xylene, o-	0.67 J	0.30 J	0.41 J	3 U	35.2	3 U	15.6 U	24.3	1.9 J	3	2.4 J	2.2 U	0.87 U	0.87 U	3 U	30.4	4.3	13.9 U	22.1	1.4 J	
Other VOCs (ug/m3)																					
Acetaldehyde	85	1.8 U	4.5 U	NA	NA	NA	NA	NA	0.78 UJ	130 J	170 J	97	2.7 U	4.5 U	NA	NA	NA	NA	NA	0.82 UJ	
Acetone	11	2.6 U	2.5 U	57	285.1	10.5	522.6	137.8	8.8	15 J	23 J	13	0.90 U	2.1 U	52.3	285.1	42.8	356.3	109.3	16	
Acrolein (propenal)	1.0 U	0.46 U	1.2 U	NA	NA	NA	NA	NA	0.99 U	2.3 U	1.2 UJ	1.2 U	0.46 U	1.2 U	NA	NA	NA	NA	NA	1.0 U	
Allyl chloride	1.4 U	0.63 U	0.63 U	8.8 U	9.7 U	8.8 U	43.8 U	9.1 U	1.4 U	1.3 U	1.6 U	1.6 U	0.63 U	0.63 U	8.8 U	10 U	9.4 U	40.7 U	10 U	1.4 U	
Benzo(a)anthracene	30 U	1.1 U	1.1 UJ	NA	NA	NA	NA	NA	12 UJ	5.5 U	2.8 U	3.4 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	12 UJ	
Bromodichloromethane	3.0 U	1.3 U	1.3 U	4.7 U	5.2 U	4.7 U	24.1 U	4.8 U	2.9 U	2.7 U	3.4 U	3.4 U	1.3 U	1.3 U	4.7 U	5.3 U	5.1 U	21.4 U	5.4 U	3.0 U	
Bromoform	4.6 U	2.1 U	2.1 U	7.2 U	8.1 U	7.2 U	37.2 U	7.4 U	4.5 U	4.2 U	5.2 U	5.2 U	2.1 U	2.1 U	7.2 U	8.2 U	7.9 U	33.1 U	8.3 U	4.7 U	
Bromomethane	1.7 U	0.78 U	0.78 U	2.7 U	3 U	2.7 U	14 U	2.8 U	1.7 U	1.6 U	2 U	1.9 U	0.78 U	0.78 U	2.7 U	3.1 U	3 U	12.4 U	3.1 U	1.8 U	
Butadiene, 1,3-	0.98 U	0.44 U	0.44 U	1.5 U	3.1	1.5 U	8 U	2.7	0.96 U	0.89 U	1.1 U	1.1 U	0.44 U	0.44 U	1.5 U	1.7 U	2.7	7.1 U	1.8 U	1.0 U	
Butane	1.0 U	0.48 U	0.48 U	NA	NA	NA	NA	NA	0.62 J	0.6 J	1.2 U	0.36 J	0.48 U	0.97	NA	NA	NA	NA	NA	1.1 UJ	
Butanone, 2-	5.2	0.50 J	0.42 J	6.5	32.4	2.1 U	35.4	10.9	1.5 J	7.2	4.1 J	4.5	0.59 U	1.5 U	4.4	22.7	5.6 J	20.3	8.6	1.5 J	
Carbon disulfide	7.4	0.37 J	3.1	2.4	62.3	2.2 U	22.7	25.2	1.4 U	1.2 U	4.1 J	1.2 J	0.22 J	0.62 U	2.8	3.4	2.4 U	10 U	2.5	1.4 U	
Carbon tetrachloride	2.8 U	1.3 U	1.3 U	4.4 U	4.9 U	4.4 U	22.6 U	4.5 U	2.7 U	2.5 UJ	3.2 U	3.1 U	1.3 U	1.3 U	4.4 U	5 U	4.8 U	20.1 U	5 U	2.8 U	
Chlorobenzene	2.0 U	0.92 U	0.92 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U	3.2 U	3.6 U	3.5 U	14.7 U	3.7 U	2.1 U	
Chloroethane	1.2 U	0.53 U	0.53 U	1.8 U	2.1 U	1.8 U	9.5 U	1.9 U	1.1 U	1.1 U	1.3 U	1.3 U	0.53 U	0.53 U	1.8 U	2.1 U	2 U	8.4 U	2.1 U	1.2 U	
Chloroform	5.7	3.1	0.75 J	3.4 U	3.8 U	3.4 U	17.6 U	3.5 U	2.1 U	2 U	0.89 J	1.7 J	0.39 J	0.62 J	3.4 U	3.9 U	3.7 U	15.6 U	3.9 U	2.2 U	
Chloromethane	0.50 J	0.41 U	0.48	5.8 U	6.4 U	5.8 U	28.9 U	6 U	0.90 U	0.83 U	0.72 J	1.0 U	0.41 U	0.41 U	5.8 U	6.6 U	6.2 U	26.8 U	6.6 U	0.94 U	
Chlorotoluene, 2-	2.3 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.2 U	2.1 U	2.6 U	2.6 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.4 U	
Cryofluorane	3.1 U	1.4 U	1.4 U	4.9 U	5.5 U	4.9 U	25.2 U	5 U	3.0 U	2.8 U	3.6 U	3.5 U	1.4 U	1.4 U	4.9 U	5.5 U	5.3 U	22.4 U	5.6 U	3.2 U	
Cyclohexane	3.4	0.31 J	0.53 J	154.9	5.9	2.4 U	12.4 U	2.5 U	0.45 J	1.4 U	67 J	2.1	0.69 U	0.69 U	130.8	5.9	2.6 U	11 U	2.8 U	1.6 U	
Decane, n-	2.6 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	2.5 U	9.2	1.5 J	2.9 U	1.2 U	0.55 J	NA	NA	NA	NA	NA	2.6 UJ	
Dibromochloromethane	3.8 U	1.7 U	1.7 U	6 U	6.6 U	6 U	30.7 U	6.1 U	3.7 U	3.4 U	4.3 U	4.3 U	1.7 U	1.7 U	6 U	6.7 U	6.5 U	27.3 U	6.8 U	3.9 U	
Dibromoethane, 1,2-	3.4 U	1.5 U	1.5 U	5.4 U	6 U	5.4 U	27.7 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	1.5 U	1.5 U	5.4 U	6.1 U	5.8 U	24.6 U	6.1 U	3.5 U	
Dichlorobenzene, 1,2-	2.7 U	1.2 U	1.2 U	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 U	2.4 U	3 U	3.0 U	1.2 U	1.2 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 U	
Dichlorobenzene, 1,3-	2.7 U	1.2 U	1.2 U	4.2 U	36.1	4.2 U	21.6 U	4.3 U	2.6 U	3.3	3 U	3.0 U	1.2 U	1.2 U	4.2 U	72.1	4.6 U	19.2 U	4.8 U	2.7 U	
Dichlorobenzene, 1,4-	2.3 J	0.54 J	0.85 J	4.2 U	4.7 U	4.2 U	21.6 U	4.3 U	2.6 UJ	2.4 U	3 U	3.0 U	1.2 U	1.2 U	4.2 U	4.7 U	4.6 U	19.2 U	4.8 U	2.7 UJ	
Dichlorodifluoromethane	5.2	5.9	2.9	3.5 U	3.9 U	3.5 U	17.8 U	3.6 U	2.6	2.7	2.3 J	2.8	2.6	2.0	3.5 U	3.9 U	3.8 U	15.8 U	4 U	3.0	
Dichloroethane, 1,1-	1.8 U	0.81 U	0.81 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	2.8 U	3.2 U	3.1 U	13 U	3.2 U	1.8 U	
Dichloroethane, 1,2-	1.8 U	0.81 U	0.81 U	2.8 U	3.2 U	2.8 U	14.6 U	2.9 U	1.8 U	1.6 U	2 U	2.0 U	0.81 U	0.81 U	2.8 U	3.2 U	3.1 U	13 U	3.2 U	1.8 U	
Dichloroethane, cis-1,2-	1.8 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	
Dichloroethane, 1,1-	1.8 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U	
Dichloropropane, 1,2-	2.0 U	0.92 U	0.92 U	3.2 U	3.6 U	3.2 U	16.6 U	3.3 U	2.0 U	1.9 U	2.4 U	2.3 U	0.92 U	0.92 U	3.2 U	3.7 U	3.5 U	14.8 U	3.7 U	2.1 U	
Dichloropropene, cis-1,3	2.0 U	0.91 U	0.91 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	
Dichloropropene, trans-1,3	2.0 U	0.91 U	0.91 U	3.2 U	3.5 U	3.2 U	16.3 U	3.3 U	2.0 U	1.8 U	2.3 U	2.3 U	0.91 U	0.91 U	3.2 U	3.6 U	3.4 U	14.5 U	3.6 U	2.1 U	
Dioxane, 1,4-	1.6 U	1.8 U	0.72 U	10.1 U	11.2 U	10.1 U	50.4 U	10.5 U	3.9 U	1.4 U	1.8 U	1.8 U	1.8 U	0.72 U	10.1 U	11.5 U	10.8 U	46.8 U	11.5 U	4.1 U	
Dodecane, n-	2.0 J	0.56 J	0.68 J	NA	NA	NA	NA	NA	3.0 U	16	8	0.87 J	0.49 J	0.45 J	NA	NA	NA	NA	NA	2.4 J	
Ethanol	35	2.7 U	30	75.4	866.7 EJ	17.1	32	35.8	22	5.1	37 J	39	2.4 U	1.2 J	96.1	829 EJ	20.7	52.8	37.7	18 J	
Ethylthiophene, 2-	2.0 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.0 U	1.8 U	2.3 U	2.3 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.1 U	
Ethyltoluene, p-	2.2 U	0.98 U	0.98 U	3.4 U	31.5	3.4 U	17.7 U	33.9	2.1 U	2 U	2.5 U	2.5 U	0.98 U	0.98 U	3.4 U	27.5	3.7 U	15.7 U	31	2.2 UJ	
Heptane, n-	1.8 U	0.82 U	0.82 UJ	180.3	14.3	2.9 U	14.8 U	9.4	0.53 J	1.6 U	0.96 J	2.0 U	0.82 U	0.45 J	135.2	10.2	3.1 U	13.1 U	9	1.9 U	
Hexachlorobutadiene	4.7 U	2.1 U	2.1 U	29.9 U	33.1 U	29.9 U	149.3 U	30.9 U	4.6 UJ	4.3 U	5.4 U	5.3 U	2.1 U	2.1 U	29.9 U	34.1 U	32 U	138.6 U	34.1 U	4.8 UJ	
Hexane, n-	4.5	0.70 U	0.70 U	3.1 J	9.5	2.5 U	12.7 U	8.8	1.8	1.8	66 J	6.2	0.70 U	0.46 J	2.5 U	9.2	2.7 U	11.3 U	8.8	1.3 J	
Hexanone, 2-	0.54 J	0.82 U	0.82 U	11.5 U	12.7 U	11.5 U	57.4 U	11.9 U	4.4 U	1.6 U	0.73 J	2.0 U	0.82 U	0.82 U	11.5 U	13.1 U	12.3 U	53.3 U	13.1 U	4.6 U	
Indan	2.1 U	0.97 U	0.97 U	NA	NA	NA	NA	NA	14 U	0.73 J	1.9 U	2.4 U	0.97 U	0.97 U	NA	NA	NA	NA	15.5 U	0.55 J	
Indene	2.1 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	13.8 U	2.1 U	1.9 U	0.72 J	2.4 U	0.95 U	0.95 U	NA	NA	NA	15.2 U	2.2 U	
Isopropyl benzene	NA	NA	NA	3.4 U	3.8 U	3.4 U	17.7 U	3.5 U	NA	NA	NA	NA	NA	NA	3.4 U	3.9 U	3.7 U	15.7 U	3.9 U	NA	
Methyl tert-butyl ether	1.6 U	0.72 U	0.72 U	2.5 U	17.3	2.5 U	13 U	2.6 U	1.6 U	1.4 U	1.8 U	1.8 U	0.72 U	0.72 U	2.5 U	21.6	2.7 U	11.5 U	2.9 U	1.6 U	
Methyl-2-pentanone, 4-	1.8 U	0.82 U	0.82 U	2.9 U	8.2	2.9 U	14.7 U	2.9 U	0.53 J	0.9 J	2.1 U	2.0 U	0.82 U	0.82 U	2.9 U	7.4	3.1 U	13.1 U	3.3 U	1.9 UJ	
Methylene chloride	10	0.94 U	1.7 U	2.4 U	2.7 U	2.4 U	12.5 U	2.5 U	3.9 J	21	12 J	14	0.87 U	0.27 J	2.4 U	2.7 U	2.6 U	1			

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG07 9/12/2007	OU2G07 12/19/2007	OU2SG07 4/3/2008	OU2SG08 5/25/2005	OU2SG08 8/31/2005	OU2SG08 2/2/2006	OU2SG08 6/15/2006	OU2SG08 9/8/2006	OU2SG08 2/21/2007	OU2SG08 5/24/2007	OU2SG08 7/25/2007	OU2SG08 9/12/2007	OU2SG08 12/19/2007	OU2SG08 3/27/2008	OU2SG09 5/25/2005	OU2SG09 8/31/2005	OU2SG09 2/2/2006	OU2SG09 6/15/2006	OU2SG09 9/8/2006	OU2SG09 2/21/2007
Other VOCs Continued (ug/m3)																				
Octane, n-	2.1 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.61 J	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	0.53 J
Pentane	1.3 U	1.5	0.59 U	NA	NA	NA	NA	NA	0.51 J	1.2 U	0.76 J	1.5 U	0.59 U	0.79	NA	NA	NA	NA	NA	1.3 UJ
Propanol-2-	1.2	2.0 J	0.40 J	7.1 J	712.8	6.9 U	34.4 U	7.1 U	1.8	7.2	2.6 J	1.7	0.49 U	0.39 J	8.8 J	786.5 EJ	7.4 U	32 U	7.9 U	1.8 J
Propylbenzene, n-	NA	NA	NA	3.4 U	6.4	3.4 U	17.7 U	8.4	NA	NA	NA	NA	NA	NA	3.4 U	5.4	3.7 U	15.7 U	7.4	NA
Styrene	1.9 U	0.85 U	0.85 U	3 U	4	3 U	15.3 U	3.1 U	1.8 U	4	2.2 U	2.1 U	0.85 U	0.85 U	3 U	4	3.2 U	13.6 U	3.4 U	1.9 UJ
t-Butyl alcohol	0.80 J	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.3 U	1.2 U	1.9 J	1.2 J	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.4 U
Tetrachloroethane,1,1,2,2-	3.0 U	1.4 U	1.4 U	4.8 U	5.4 U	4.8 U	24.7 U	4.9 U	3.0 U	2.8 U	3.5 U	3.4 U	1.4 U	1.4 U	4.8 U	5.4 U	5.2 U	22 U	5.5 U	3.1 U
Tetrachloroethene	35	4.7	7.4	14.9	19.7	4.7 U	24.4 U	18.3	2.9 U	3.5	2.2 J	1.0 J	1.4 U	1.4 U	10.2	29.8	5.2	29.2	14.9	3.1 U
Tetrahydrofuran	NA	NA	NA	2.1 U	5.9	2.1 U	10.6 U	2.1 U	NA	NA	NA	NA	NA	NA	2.1 U	7.1	2.2 U	9.4 U	2.4 U	NA
Tetramethylbenzene, 1,2,4,5-	3.4 J	1.1 U	0.28 J	NA	NA	NA	NA	NA	2.4 U	11 U	3.2 J	34 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	2.5 U
Thiophene	1.5 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.5 U	1.4 U	1.8 U	1.7 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.6 U
Trans-1,2-dichloroethene	1.8 U	0.79 U	0.79 U	2.8 U	3.1 U	2.8 U	14.3 U	2.9 U	1.7 U	1.6 U	2 U	2.0 U	0.79 U	0.79 U	2.8 U	3.1 U	3 U	12.7 U	3.2 U	1.8 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3.4 U	0.46 J	0.48 J	5.4 U	6 U	5.4 U	27.6 U	5.5 U	3.3 U	3.1 U	3.9 U	3.8 U	0.46 J	1.5 U	5.4 U	6.1 U	5.8 U	24.5 U	6.1 U	3.5 UJ
Trichlorobenzene,1,2,4-	3.3 U	1.5 U	1.5 U	20.8 U	23 U	20.8 U	103.9 U	21.5 U	3.2 UJ	3 U	3.8 U	3.7 U	1.5 U	1.5 U	20.8 U	23.7 U	22.3 U	96.5 U	23.7 U	3.4 UJ
Trichloroethane,1,1,1-	2.4 U	1.1 U	1.1 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 UJ	2.8 U	2.7 U	1.1 U	1.1 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U
Trichloroethane,1,1,2-	2.4 U	1.1 U	1.1 U	3.8 U	4.3 U	3.8 U	19.6 U	3.9 U	2.4 U	2.2 U	2.8 U	2.7 U	1.1 U	1.1 U	3.8 U	4.3 U	4.1 U	17.5 U	4.4 U	2.5 U
Trichloroethene	2.4 U	1.1 U	1.1 U	3.8 U	4.2 U	3.8 U	19.3 U	3.9 U	2.3 U	2.2 U	2.7 U	2.7 U	1.1 U	1.1 U	3.8 U	4.2 U	4.1 U	17.2 U	4.3 U	2.4 U
Trichlorofluoromethane	1.5 J	1.5	1.7	3.9 U	4.4 U	3.9 U	20.2 U	4 U	1.3 J	1.7 J	1.5 J	1.5 J	1.1	1.1 J	3.9 U	4.4 U	4.3 U	18 U	4.5 U	1.3 J
Trimethylbenzene,1,2,3-	2.2 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	1.3 J	2 U	1 J	2.5 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	1.0 J
Trimethylbenzene,1,2,4-	2.2 U	0.98 U	0.98 U	3.4 U	29	3.4 U	17.7 U	38.8	2.6	3.5 J	0.72 J	2.5 U	0.98 U	0.98 U	3.4 U	30	3.7 U	15.7 U	34.9	1.9 J
Trimethylbenzene,1,3,5-	2.2 U	0.98 U	0.98 U	3.4 U	10.8	3.4 UJ	17.7 U	9.8	0.75 J	2 U	2.5 U	2.5 U	0.98 U	0.98 U	3.4 U	10.8	3.7 UJ	15.7 U	8.8	2.2 UJ
Trimethylpentane, 2,2,4-	2.1 U	0.93 U	0.93 UJ	3.3 U	15	214.9	4391.7	934.4	0.51 J	1.9 U	2.4 U	2.3 U	0.93 U	0.93 U	3.3 U	16.8	387.8	4017.9	887.7	2.1 UJ
Undecane, n-	2.8 U	0.51 J	1.3 U	NA	NA	NA	NA	NA	2.8 U	4.6	3.2 U	3.2 U	0.64 J	0.52 J	NA	NA	NA	NA	NA	0.87 J
Vinyl bromide	1.9 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	1.9 U	1.8 U	2.2 U	2.2 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	2.0 U
Vinyl chloride	1.1 U	0.51 U	0.51 U	1.8 U	2 U	1.8 U	9.2 U	1.8 U	1.1 U	1 U	1.3 U	1.3 U	0.51 U	0.51 U	1.8 U	2 U	1.9 U	8.2 U	2 U	1.2 U
Other																				
Helium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	Duplicate of OU2SG09 2/21/2007	OU2SG09 5/24/2007	OU2SG09 7/25/2007	OU2SG09 9/12/2007	OU2SG09 12/19/2007	OU2SG09 3/27/2008	OU2SG09 5/25/2005	OU2SG10 8/31/2005	OU2SG10 2/2/2006	OU2SG10 6/15/2006	OU2SG10 9/8/2006	OU2SG10 2/22/2007	OU2SG10 6/14/2007	OU2SG10 7/25/2007	OU2SG10 9/19/2007	OU2SG10 12/19/2007	OU2SG10 3/27/2008	OU2SG11 2/21/2007	OU2SG11 6/14/2007	OU2SG11 9/12/2007	OU2SG11 12/19/2007
BTEX (ug/m3)																					
Benzene	0.74 UJ	1.3 U	1.8 UJ	1.4 U	0.64 U	0.64 U	2.8	4.5	5.8	26.2	19.5	2.2	2.2 J	1.5 UJ	1.4 U	0.26 J	0.64 U	3.6	4	2.1	0.19 J
Ethylbenzene	1.1 U	3.2	2.5 U	1.9 U	0.87 U	0.87 U	3.6 U	17.8	8.3	23.4 U	26.1	2.9	13	2.7 J	2.0 U	0.87 U	0.87 U	5.8	13	13	5.2
Toluene	4.1 UJ	120	32	5.2	8.7	1.2	18.5	64.1	37.7	52.8	135.7	13	1100	70 J	3.9	6.5	0.43 J	29	2300	1700	120
Xylene, m,p-	3.2 UJ	7.5	0.92 J	3.8 U	0.26 J	1.7 U	9.1	73.8	21.3	37.3	91.2	7.9	34	50 J	8.2	0.39 J	1.7 U	17	38	41	21
Xylene, o-	1.3 U	5	2.5 U	1.9 U	0.87 U	0.87 U	3.6 U	27.8	6.1	23.4 U	26.5	3.0	10	12 J	1.3 J	0.87 U	0.87 U	5.4	11	13	7.2
Other VOCs (ug/m3)																					
Acetaldehyde	0.41 UJ	87 J	92	54	2.2 U	4.5 U	NA	NA	NA	NA	NA	2.1 J	54 J	110 J	4.1 U	1.8 U	4.5 U	1600 J	66 U	91	1.8 U
Acetone	14 U	14 J	23 J	9.1	1.1 U	1.4 U	111.6	206.7	35.6	950.2	102.1	17	47	14 J	5.3	1.8 U	1.8 U	5.0 U	67	8.9	2.3 U
Acrolein (propenal)	0.52 UJ	2.3 U	1.3 U	1.0 U	0.46 U	1.2 U	NA	NA	NA	NA	NA	1.0 U	1.8 UJ	1.1 U	1.0 U	0.46 U	1.2 U	0.96 U	1.8 U	1.0 J	0.46 U
Allyl chloride	0.71 U	1.3 U	1.8 U	1.4 U	0.63 U	0.63 U	10.6 U	10.6 U	8.8 U	68.9 U	9.1 U	1.4 U	2.5 U	1.5 U	1.4 U	0.63 UJ	0.63 U	1.3 U	2.5 U	1.4 U	0.63 UJ
Benzothiophene	6.2 U	5.6 U	3.1 U	30 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	12 UJ	4.4 UJ	2.6 U	2.5 U	1.1 UJ	1.1 U	12 UJ	4.3 U	32 U	1.1 UJ
Bromodichloromethane	1.5 U	2.7 U	3.8 U	3.0 U	1.3 U	1.3 U	5.6 U	5.6 U	4.7 U	36.2 U	4.9 U	3.0 U	5.4 U	3.2 U	3.0 U	1.3 U	1.3 U	120	17	3.1 U	1.3 U
Bromoforn	2.4 UJ	4.2 U	5.8 U	4.6 U	2.1 U	2.1 U	8.7 U	8.7 U	7.2 U	55.8 U	7.5 U	4.7 U	8.3 U	4.9 U	4.7 U	2.1 U	2.1 U	4.3 U	8.1 U	4.8 U	2.1 U
Bromomethane	0.88 U	1.6 U	2.2 U	1.7 U	0.78 U	0.78 U	3.3 U	3.3 U	2.7 U	21 U	2.8 U	1.8 U	3.1 U	1.8 U	1.8 U	0.78 U	0.78 U	1.6 U	3.1 U	1.8 U	0.78 U
Butadiene, 1,3-	0.50 U	0.9 U	1.2 U	0.98 U	0.44 U	0.44 U	1.9 U	1.9 U	7.3	15.7	11.3	1.0 U	1.8 U	1 U	1.0 U	0.44 U	0.44 U	0.93 U	1.7 U	1.0 U	0.44 U
Butane	0.68 UJ	0.96 U	1.3 U	1.0 U	0.48 U	0.48 U	NA	NA	NA	NA	NA	11	1.5 J	1.2 J	0.92 J	1.3	0.26 J	9660	31	1.1 U	0.48 U
Butanone,2-	1.7 U	2.4	6.4	2.3	0.59 U	1.5 U	8.8	14.2	5 J	79.6	15.9	1.9 J	2.4 UJ	4.2 J	2.1	0.35 J	0.16 J	2.7 J	2.3 U	1.4 U	0.65
Carbon disulfide	0.71 U	2.8 J	15	7.8	0.37 J	0.68	2.6 U	5.6	3.1	16.8 U	5	7.6	13 J	17 J	6.3	3.6	0.83	1.3 U	27	17	0.72
Carbon tetrachloride	1.4 U	2.6 UJ	3.6 UJ	2.8 U	1.3 U	1.3 U	5.3 U	4.4 U	34 U	4.6 U	2.8 U	5 U	3 UJ	2.8 U	1.3 U	1.3 U	1.3 U	2.6 U	5 U	2.9 U	1.3 U
Chlorobenzene	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	3.9 U	3.9 U	3.2 U	24.9 U	3.4 U	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	1.2 J	3.6 U	2.1 U	0.92 U
Chloroethane	0.60 U	1.1 U	1.5 U	1.2 U	0.53 U	0.53 U	2.2 U	2.2 U	1.8 U	14.2 U	1.9 U	1.2 U	2.1 U	1.2 U	1.2 U	0.53 U	0.53 U	1.1 U	2.1 U	1.2 U	0.53 U
Chloroform	0.44 J	2.5	2.9	2.7	0.49 J	1.2	4.1 U	10.7	3.4 U	26.4 U	3.6 U	2.2 U	1500	1600	1000	240	160	1350	87	5.9	0.29 J
Chloromethane	0.47 UJ	0.84 U	0.55 J	0.91 U	0.41 U	0.41 U	7 U	7 U	5.8 U	45.4 U	6 U	0.93 U	1.6 U	0.97 U	0.94 U	0.41 U	0.41 U	0.87 U	1.6 U	0.95 U	0.41 U
Chlorotoluene,2-	1.2 U	2.1 U	2.9 U	2.3 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	2.3 U	4.1 U	2.4 U	2.4 U	1.0 U	1.0 U	2.2 U	4.1 U	2.4 U	1.0 U
Cryofluorane	1.6 U	2.8 U	4 U	3.1 U	1.4 U	1.4 U	5.9 U	5.9 U	4.9 U	37.7 U	5.1 U	3.2 U	5.6 U	3.3 U	3.2 U	1.4 U	1.4 U	2.9 U	5.5 U	3.2 U	1.4 U
Cyclohexane	0.79 U	36	3.1	0.68 J	1.4	0.25 J	271.9	3.4	2.4 U	18.6 U	2.9	1.6	270	470 J	130	2.1	0.25 J	410	430	190	4.4
Decane, n-	1.3 U	14	5.2	2.6 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	0.92 J	4.6 J	19 J	2.6 U	1.2 U	1.2 U	1.3 J	4.6 U	2.7 U	1.2 U
Dibromochloromethane	1.9 U	3.5 U	4.8 U	3.8 U	1.7 U	1.7 U	7.2 U	7.2 U	6 U	46 U	6.2 U	3.8 U	6.8 U	4 U	3.9 U	1.7 U	1.7 U	5.4	6.7 U	3.9 U	1.7 U
Dibromoethane,1,2-	1.8 U	3.1 U	4.4 U	3.4 U	1.5 U	1.5 U	6.5 U	6.5 U	5.4 U	41.5 U	5.6 U	3.5 U	6.1 U	3.6 U	3.5 U	1.5 U	1.5 U	3.2 U	6 U	3.6 U	1.5 U
Dichlorobenzene,1,2-	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U	2.8 U	2.7 U	1.2 U	1.2 U	2.5 U	4.7 U	2.8 U	1.2 U
Dichlorobenzene,1,3-	1.4 U	2.4 U	3.4 U	2.7 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 U	4.8 U	2.8 U	2.7 U	1.2 U	1.2 U	2.5 U	4.7 U	2.8 U	1.2 U
Dichlorobenzene,1,4-	1.4 U	2.2 J	1.2 J	2.7 U	1.2 U	1.2 U	5.1 U	5.1 U	4.2 U	32.5 U	4.4 U	2.7 UJ	4.8 U	2.4 J	1.2 J	1.2 U	1.2 U	2.5 UJ	4.7 U	2.2 J	0.78 J
Dichlorodifluoromethane	2.6 U	2.6	2.8 J	3.0	2.6	2.1	4.2 U	7.4	3.5 U	26.7 U	3.6 U	2.8	4 U	5.1 J	2.2 U	3.2	1.9	0.73 J	2 J	2.4	3.1
Dichloroethane,1,1-	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U	0.81 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U	1.9 U	1.8 U	0.81 U	0.81 U	1.7 U	3.2 U	1.9 U	0.81 U
Dichloroethane,1,2-	0.92 U	1.6 U	2.3 U	1.8 U	0.81 U	0.81 U	3.4 U	3.4 U	2.8 U	21.9 U	3 U	1.8 U	3.2 U	1.9 U	1.8 U	0.81 U	0.81 U	1.7 U	3.2 U	1.9 U	0.81 U
Dichloroethane, cis-1,2-	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U
Dichloroethane,1,1-	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U
Dichloropropane,1,2-	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	3.9 U	3.9 U	3.2 U	25 U	3.4 U	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	1.9 U	3.6 U	2.1 U	0.92 U
Dichloropropene, cis-1,3	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U	0.91 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U	2.1 U	2.1 U	0.91 U	0.91 U	1.9 U	3.6 U	2.1 U	0.91 U
Dichloropropene, trans-1,3	1.0 U	1.8 U	2.6 U	2.0 U	0.91 U	0.91 U	3.8 U	3.8 U	3.2 U	24.5 U	3.3 U	2.0 U	3.6 U	2.1 U	2.1 U	0.91 U	0.91 U	1.9 U	3.6 U	2.1 U	0.91 U
Dioxane,1,4-	0.62 J	1.5 U	2 U	1.6 U	1.8 U	0.72 U	12.3 U	12.3 U	10.1 U	79.3 U	10.5 U	4.1 U	7.2 U	1.7 U	1.6 U	1.8 U	0.72 U	3.8 U	7.1 U	1.7 U	1.8 U
Dodecane, n-	1.5 U	29	16	1.1 J	0.56 J	1.4 U	NA	NA	NA	NA	NA	1.1 J	3.6 J	3.3 U	0.79 J	0.90 J	1.4 U	1.5 J	25	4.3	1.0 J
Ethanol	18 U	3 J	34	21	2.5 U	0.84 J	75.4	33.9	35.8	92.3	45.2	54	5 J	18 J	14	1.4 J	0.97 J	30	10	30	2.8
Ethylthiophene, 2-	1.0 U	1.9 U	2.6 U	2.0 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	2.1 U	3.7 U	2.2 U	2.1 U	0.92 U	0.92 U	1.9 U	3.6 U	2.1 U	0.92 U
Ethyltoluene, p-	1.1 U	2 U	2.8 U	2.2 U	0.98 U	0.98 U	4.1 U	30.5	3.4 U	26.5 U	28.5	0.89 J	3.9 U	3.2 J	0.78 J	0.98 U	0.98 U	1.0 J	3.9 U	1.2 J	0.34 J
Heptane, n-	0.94 UJ	1.7 U	2.3 U	1.8 U	0.82 U	0.82 U	282.8	8.2	2.9 U	22.1 U	13.5	2.2	15	0.65 J	1.9 U	0.82 UJ	0.82 U	58	12	4.4	0.82 UJ
Hexachlorobutadiene	2.4 U	4.3 U	6 U	4.7 U	2.1 U	2.1 U	36.3 U	36.3 U	29.9 U	234.6 U	30.9 UJ	4.8 UJ	8.5 U	5 U	4.8 U	2.1 U	2.1 U	4.5 UJ	8.4 U	4.9 U	2.1 U
Hexane, n-	2.3 UJ	1.8	3.8	4.9	0.70 U	0.70 U	3.9 J	6.7	7	19 U	15.2	6.0	400	130	10	0.99	0.70 U	530	540	180	0.95
Hexanone,2-	2.3 U	1.7 U	0.75 J	1.8 U	0.82 U	0.82 U	13.9 U	13.9 U	11.5 U	90.1 U	11.9 U	4.6 U	3.3 U	0.67 J	1.9 U	0.82 U	0.82 U	4.3 U	3.2 U	1.9 U	0.82 U
Indan	1.1 U	2 U	2.7 U	2.1 U	0.97 U	0.97 U	NA	NA	NA	NA	NA	0.65 J	3.9 U	2.3 J	0.55 J	0.97 U	0.97 U	0.71 J	3.8 U	2.2 U	0.34 J
Indene	1.1 U	1.9 U	2.7 U	2.1 U	0.95 U	0.95 U	NA	NA	NA	NA	NA	2.2 U	3.8 U	2.2 U	2.2 U	0.95 U	0.95 U	2.0 U	3.7 U	2.2 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	4.1 U	4.1 U	3.4 U	26.5 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.82 U	1.5 U	2 U	1.6 U	0.72 U	0.72 U	4.3	9.7	2.5 U	19.5 U	2.6 U	1.6 U	2.9 U	1.7 U	1.6 U	0.72 U	0.72 U	1.5 U	2.8 U	1.7 U	0.72 U

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	Duplicate of OU2SG09 2/21/2007	OU2SG09 5/24/2007	OU2SG09 7/25/2007	OU2SG09 9/12/2007	OU2SG09 12/19/2007	OU2SG09 3/27/2008	OU2SG09 5/25/2005	OU2SG10 8/31/2005	OU2SG10 2/2/2006	OU2SG10 6/15/2006	OU2SG10 9/8/2006	OU2SG10 2/22/2007	OU2SG10 6/14/2007	OU2SG10 7/25/2007	OU2SG10 9/19/2007	OU2SG10 12/19/2007	OU2SG10 3/27/2008	OU2SG11 2/21/2007	OU2SG11 6/14/2007	OU2SG11 9/12/2007	OU2SG11 12/19/2007
Other VOCs Continued (ug/m3)																					
Octane, n-	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U	0.93 U	NA	NA	NA	NA	NA	1.4 J	4.4	2.2 U	2.1 U	0.93 U	0.93 U	4.8	2.6 J	0.86 J	0.56 J
Pentane	3.6 UJ	1.2 U	1.7 U	1.3 U	0.59 U	0.59 U	NA	NA	NA	NA	NA	4.1	2.4 U	1.4 U	1.3 U	0.59 U	0.59 U	2140	8.2	1.4 U	0.59 U
Propanol,2-	2.6 UJ	1.3 J	2.5 J	1.1 U	0.49 U	0.27 J	8.4 U	8.4 U	6.9 U	76.2	7.1 U	3.0	18	20 J	17	0.49 U	1.2 UJ	3.0	2.6 J	1.5	1.6 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	4.1 U	6.4	3.4 U	26.5 U	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.97 U	1.7 U	2.4 U	1.9 U	0.85 U	0.85 U	3.6 U	3.6 U	3 U	23 U	3.1 U	1.9 U	3.4 U	2 U	1.9 U	0.85 U	0.85 U	1.8 U	3.4 U	0.59 J	0.30 J
t-Butyl alcohol	0.69 U	1.2 U	3.8	1.0 J	0.61 U	0.61 U	NA	NA	NA	NA	NA	1.4 U	2.4 U	0.87 J	0.69 J	0.61 U	0.61 U	1.3 U	2.4 U	1.0 J	0.39 J
Tetrachloroethane,1,1,2,2-	1.6 U	2.8 U	3.9 U	3.0 U	1.4 U	1.4 U	5.8 U	5.8 U	4.8 U	37.1 U	5 U	3.1 U	5.5 U	3.2 U	3.1 U	1.4 U	1.4 U	2.9 U	5.4 U	3.2 U	1.4 U
Tetrachloroethene	1.5 U	2.8 U	3.8 U	3.0 U	1.4 U	1.4 U	41.4	6.8	7.5	36.6 U	17	3.1 U	12	14 J	8.2	1.6	0.94 J	14	11	1.6 J	1.4 U
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.1 U	15.9 U	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	1.2 U	3.2 J	1.9 J	30 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	2.5 U	4.4 U	7.3 J	2.1 J	1.1 U	1.1 U	2.3 U	4.3 J	6.1 J	3.3
Thiophene	0.78 U	1.4 U	2 UJ	1.5 U	0.69 U	0.69 U	NA	NA	NA	NA	NA	1.6 U	2.8 U	1.6 UJ	1.6 U	0.69 U	0.69 U	1.4 U	2.7 U	1.6 U	0.69 U
Trans-1,2-dichloroethene	0.90 U	1.6 U	2.2 U	1.8 U	0.79 U	0.79 U	3.3 U	3.3 U	2.8 U	21.4 U	2.9 U	1.8 U	3.2 U	1.9 U	1.8 U	0.79 U	0.79 U	1.7 U	3.1 U	1.8 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.8 U	3.1 U	4.3 U	3.4 U	1.5 U	0.57 J	6.4 U	6.4 U	5.4 U	41.4 U	5.6 U	3.5 U	6.1 U	3.6 U	3.5 U	1.5 U	0.39 J	3.2 U	6 U	3.5 U	1.5 U
Trichlorobenzene,1,2,4-	1.7 U	3 U	4.2 U	3.3 U	1.5 U	1.5 U	25.2 U	25.2 U	20.8 U	163.3 U	21.5 UJ	3.4 UJ	5.9 U	3.5 U	3.4 U	1.5 U	1.5 U	3.1 UJ	5.8 U	3.4 U	1.5 U
Trichloroethane,1,1,1-	1.2 U	2.2 UJ	3.1 U	2.4 U	1.1 U	1.1 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U	1.4 J	1.7 J	1.1 U	0.32 J	2.3 U	4.3 U	2.5 U	1.1 U
Trichloroethane,1,1,2-	1.2 U	2.2 U	3.1 U	2.4 U	1.1 U	1.1 U	4.6 U	4.6 U	3.8 U	29.5 U	4 U	2.5 U	4.4 U	2.6 U	2.5 U	1.1 U	1.1 U	2.3 U	4.3 U	2.5 U	1.1 U
Trichloroethene	1.2 U	2.2 U	3 U	2.4 U	1.1 U	1.1 U	4.5 U	4.5 U	3.8 U	29 U	3.9 U	2.4 U	4.3 U	0.66 J	0.98 J	1.1 U	1.1 U	2.3 U	4.2 U	2.5 U	1.1 U
Trichlorofluoromethane	1.3 U	2.3 U	1.3 J	1.5 J	0.90 J	1.2	4.7 U	16.3	3.9 U	30.3 U	14.6	1.6 J	9.4	12 J	11	2.9	1.5	1.1 J	4.4 U	1.3 J	1.3 U
Trimethylbenzene,1,2,3-	1.1 U	1.4 J	2.8 U	2.2 U	0.98 U	0.98 U	NA	NA	NA	NA	NA	1.3 J	3.9 U	4 J	1.2 J	0.98 U	0.98 U	2.0 J	3.9 U	1.7 J	0.54 J
Trimethylbenzene,1,2,4-	1.6 U	4.7 J	2.8 U	2.2 U	0.98 U	0.98 U	4.1 U	34.4	3.4 U	26.5 U	28 J	2.8	5.5	11 J	2.3	0.25 J	0.98 U	4.2	3.4 J	3.1	1.3
Trimethylbenzene,1,3,5-	1.1 U	2 U	2.8 U	2.2 U	0.98 U	0.98 U	4.1 U	11.8	3.4 UJ	26.5 U	8.4	0.78 J	2.1 J	3.6 J	1.2 J	0.98 U	0.98 U	1.3 J	3.9 U	1.0 J	0.39 J
Trimethylpentane, 2,2,4-	1.1 U	1.9 U	2.6 U	2.1 U	0.93 U	0.93 U	3.9 U	7.9	794.2	6540.8	841	3.0 J	2.5 J	2.2 U	2.1 U	0.93 U	0.93 U	2.0 U	4.2	2.2 U	0.93 U
Undecane, n-	1.4 U	5.8	5.9	2.8 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	0.87 J	5.1 U	3 U	2.9 U	1.3 U	1.3 U	1.7 J	5 U	3.0 U	1.3 U
Vinyl bromide	1.0 U	1.8 U	2.5 U	1.9 U	0.87 U	0.87 U	NA	NA	NA	NA	NA	2.0 U	3.5 U	2.1 U	2.0 U	0.87 U	0.87 U	1.8 U	3.4 U	2.0 U	0.87 U
Vinyl chloride	0.58 U	1 U	1.4 U	1.1 U	0.51 U	0.51 U	2.1 U	2.1 U	1.8 U	13.8 U	1.9 U	1.2 U	2 U	1.2 U	1.2 U	0.51 U	0.51 U	1.1 U	2 U	1.2 U	0.51 U
Other																					
Helium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.035	NA	NA	NA	NA	NA

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG11 4/3/2008	OU2SG12 2/21/200	OU2SG12 9/18/200	OU2SG12 12/19/2007	OU2SG12 3/27/2008	OU2SG13 3/30/2007	OU2SG13 5/24/2007	OU2SG13 7/25/2007	OU2SG13 9/20/2007	OU2SG13 12/19/2007	OU2SG13 4/3/2008	OU2SG14 3/30/2007	Duplicate of OU2SG14 3/30/2007	OU2SG14 6/14/2007	OU2SG14 12/19/2007	OU2SG14 4/3/2008	OU2SG15 4/3/2008	OU2SG16 4/3/2008	OU2SG17 4/3/2008	OU2SG18 4/3/2008	OU2SG22 3/27/2008
Other VOCs Continued (ug/m3)																					
Octane, n-	0.93 U	2.2 U	2.2 U	0.93 U	4.5	1.7 J	1.9 U	1.3 J	1.9 U	0.84 J	12	1.8 U	1.8 U	1.8 U	0.93 U	0.93 U	2.7	1.0	4.3	0.93 U	3.2
Pentane	1.4	1.4 U	1.4 U	0.59 U	0.59 U	1.6	1.2 U	6.1	1.1 J	0.41 J	0.31 J	1.1 U	1.1 U	1.2 U	0.59 U	0.59 U	0.39 J	0.47 J	0.75	0.59 U	0.51 J
Propanol,2-	0.48 J	0.86 J	0.81 J	0.49 U	0.95 J	1.4 J	2 J	4.8	1.9	2.4 J	0.63 J	1.7 J	3.2 J	4.8 U	0.49 U	0.29 J	1.0 J	0.53 J	1.5	0.53 J	1.6
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.40 J	2.0 U	2.0 U	0.85 U	0.85 U	1.7 U	1.7 U	1.2 J	1.7 U	0.34 J	1.4	1.7 J	25 J	1.7 U	0.85 U	0.85 U	0.36 J	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	0.30 J	1.4 U	1.4 U	0.61 U	0.61 U	1.2 UJ	1.2 U	5.1	3.2	0.61 U	0.36 J	1.1 UJ	1.2 UJ	1.2 U	0.61 U	0.61 U	0.68	0.28 J	0.94	0.38 J	0.39 J
Tetrachloroethane,1,1,2,2-	1.4 U	3.2 U	3.2 U	1.4 U	1.4 U	2.7 U	2.8 U	3.4 U	2.8 U	1.4 U	1.4 U	2.6 U	2.6 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.4 U	3.2 U	2.6 J	0.41 J	1.4 U	5.0	2.7 U	3.4 U	1.6 J	1.0 J	2.5	7.9	8.0	4	0.54 J	0.89 J	6.4	11	3.9	1.2 J	1.4
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	3.2	2.6 U	5.8 J	3.5	1.1 U	27 U	11 U	14 U	7.0	0.27 J	2.0	26 U	26 U	2.2 U	1.1 U	0.29 J	1.1	0.81 J	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	1.6 U	1.6 U	0.69 U	0.69 U	1.4 U	1.4 U	1.7 U	1.4 U	0.69 U	0.69 U	1.3 U	1.3 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	1.8 U	1.9 U	0.79 U	0.79 U	1.6 U	1.6 U	2 U	1.6 U	0.79 U	0.79 U	1.5 U	1.5 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.82 J	3.6 U	3.6 U	1.5 U	0.51 J	3.0 U	3.1 U	3.8 U	0.93 J	1.5 U	0.88 J	2.9 U	3.0 U	3 U	1.5 U	0.52 J	0.55 J	1.5 J	0.74 J	0.80 J	1.5 U
Trichlorobenzene,1,2,4-	1.5 U	3.5 UJ	3.5 U	1.5 U	1.5 U	2.9 U	3 U	3.7 U	3.0 U	1.5 U	1.5 U	2.8 UJ	2.9 UJ	2.9 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	1.1 U	2.5 U	2.6 U	1.1 U	1.1 U	2.2 U	2.2 UJ	2.7 U	2.2 U	1.1 U	1.1 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane,1,1,2-	1.1 U	2.5 U	2.6 U	1.1 U	1.1 U	2.2 U	2.2 U	2.7 U	2.2 U	1.1 U	1.1 U	2.0 U	2.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	2.5 U	2.5 U	1.1 U	1.1 U	2.1 U	2.2 U	2.7 U	2.2 U	0.32 J	1.1 U	2.0 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.7	1.6 J	1.4 J	1.5	1.2	1.3 J	2.3 U	1.1 J	1.6 J	1.4	1.5	1.4 J	1.8 J	1.2 J	1.7	1.1	1.2	1.4	1.9	1.7	1.1 J
Trimethylbenzene,1,2,3-	1.6	2.1 J	1.5 J	0.69 J	0.48 J	2.0 U	2 U	0.97 J	5.9	0.64 J	4.8	1.9	1.9 U	1.9 U	0.98 U	0.98 U	1.8	3.8	0.66 J	0.98 U	0.72 J
Trimethylbenzene,1,2,4-	0.53 J	3.0	2.1 J	0.98 U	0.98 U	2.0 UJ	2 U	2.4 U	6.9	2.4	1.6	1.8 U	1.9 U	1.9 U	0.98 U	0.98 U	0.53 J	0.46 J	0.98 U	0.98 U	0.98 U
Trimethylbenzene,1,3,5-	0.81 J	0.80 J	0.92 J	0.29 J	0.98 U	1.6 J	2 U	2.4 U	3.2	0.79 J	1.5	1.8 UJ	5.2 J	1.9 U	0.98 U	0.98 U	1.3	1.7	0.38 J	0.98 U	0.36 J
Trimethylpentane, 2,2,4-	0.93 UJ	2.2 U	2.2 U	0.93 U	0.93 U	1.8 UJ	1.9 U	2.3 U	1.9 U	0.93 U	0.93 UJ	1.8 UJ	1.8 UJ	1.8 U	0.93 U	0.93 UJ	0.36 J	0.93 UJ	0.93 UJ	0.93 UJ	0.93 U
Undecane, n-	4.8	1.6 J	3.0 U	1.3 U	0.78 J	3.7 J	1.7 J	5.2	2.5 J	0.83 J	1.8	2.2 J	2.5 UJ	2.5 J	0.96 J	0.45 J	2.9	0.80 J	0.92 J	1.3 U	1.0 J
Vinyl bromide	0.87 U	2.0 U	2.0 U	0.87 U	0.87 U	1.7 U	1.8 U	2.2 U	1.8 U	0.87 U	0.87 U	1.6 U	1.7 U	1.7 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	1.2 U	1.2 U	0.51 U	0.51 U	1.0 U	1 U	1.3 U	1.0 U	0.51 U	0.51 U	0.96 U	0.99 U	1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other																					
Helium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.072	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.04

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG23 3/27/2008	OU2SG24 4/3/2008	OU3SG01 9/20/2007	OU3SG01 12/19/2007	OU3SG01 4/3/2008	OZSG01 2/19/2008	OZSG01 3/17/2008	OZSG01 3/21/2008	OZSG02 2/19/2008	OZSG02 3/17/2008	OZSG03 2/21/2007	OZSG03 2/19/2008	OZSG03 3/17/2008	OZSG03 3/21/2008	OZSG04 2/19/2008	OZSG04 3/17/2008	OZSG04 3/21/2008	OZSG05 2/19/2008	OZSG05 3/17/2008	OZSG05 3/21/2008
BTEX (ug/m3)																				
Benzene	0.38 J	0.21 J	0.50 J	0.89	0.88	0.22 J	1.2 J	0.21 J	0.26 J	0.20 J	1.0 J	0.64 U	0.23 J	0.64 U	1.1	0.27 J	0.31 J	0.64 U	0.64 U	0.64 U
Ethylbenzene	0.38 J	0.26 J	1.9 U	4.2	3.1	0.35 J	2.2	1.6	0.35 J	0.82 J	2.5	0.87 U	0.83 J	0.87 U	1.8	0.65 J	0.22 J	0.35 J	0.60 J	0.87 U
Toluene	1.4	1.6	3.8	49	360	15	7.8	2.2	6.6	5.2	6.6	4.6	3.9	1.4	8.5	3.6	1.0	13	3.7	1.0
Xylene, m,p-	1.3 J	0.64 J	0.58 J	16	7.7	1.1 J	4.9 J	0.83 J	0.87 J	2.6	7.2	0.56 J	2.8	0.44 J	5.2	2.0	0.65 J	1.1 J	2.0	0.45 J
Xylene, o-	0.49 J	0.32 J	0.67 J	6.5	3.7	0.39 J	1.5 J	0.87 U	0.43 J	0.87	2.9	0.22 J	1.3	0.32 J	2.1	0.79 J	0.27 J	0.39 J	0.71 J	0.87 U
Other VOCs (ug/m3)																				
Acetaldehyde	4.5 U	4.5 U	21	1.8 U	4.5 U	1.6 J	22 U	7.2 J	1.7 J	4.5 U	0.55 J	2.1 J	4.5 U	4.5 U	3.4 J	4.5 U	26 J	2.4 J	5.2	5.4
Acetone	7.7 J	1.9 U	7.0	2.8 U	1.9 U	2.5 J	5.9 U	1.2 U	1.7	1.2 U	12	3.7 J	1.2 U	2.5 U	4.1	1.2 U	1.2 U	2.3	4.8 U	2.3 U
Acrolein (propenal)	1.2 U	1.2 U	1.0 U	0.46 U	1.2 U	0.46 U	5.7 U	1.2 U	0.46 U	1.2 U	0.93 U	0.46 U	1.2 U	1.2 U	0.46 U	1.2 U	1.2 U	0.46 U	1.2 U	1.2 U
Allyl chloride	0.63 U	0.63 U	1.4 U	0.63 UJ	0.63 U	0.63 U	3.1 U	0.63 U	0.63 U	0.63 U	1.3 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzothiophene	1.1 U	1.1 UJ	2.4 U	1.1 UJ	1.1 UJ	1.1 UJ	5.5 U	1.1 U	1.1 UJ	1.1 U	11 UJ	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U
Bromodichloromethane	1.3 U	1.3 U	3.0 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	1.3 U	2.7 U	1.3 U	3.0	2.8	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	2.1 U	2.1 U	4.6 U	2.1 U	2.1 U	2.1 U	10 U	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.78 U	0.78 U	1.7 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	0.44 U	0.44 U	0.98 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	0.90 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	0.48 U	0.18 J	1.0 U	2.9	0.48 U	0.62	83	12	0.43 J	27	3.1	0.48 U	4.5	0.74	0.74	160	180	0.78	0.48 U	0.48 U
Butanone, 2-	14	0.66 J	1.8	0.62	0.38 J	0.62	3.0 U	0.34 J	0.44 J	1.2	0.90 J	26	1.0	0.54 J	0.50 J	1.4	1.8	2.1	32	0.36 J
Carbon disulfide	0.38 J	0.51 J	3.0	1.5	8.5	0.22 J	3.1 U	0.26 J	0.59 J	0.65 U	1.3 U	0.62 U	0.62 U	0.59 J	0.62 U	0.40 J	0.62 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	1.3 U	1.3 U	2.8 U	1.3 U	1.3 U	1.3 U	6.3 U	0.38 J	1.3 U	1.3 U	2.6 U	0.41 J	0.63 J	0.54 J	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.92 U	0.92 U	2.0 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.53 U	0.53 U	1.2 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.42 J	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.34 J	0.36 J	3.7	0.54 J	0.64 J	0.93 J	4.9 U	1.4	0.98 U	0.98 U	2.0 U	2.9	40	44	0.98 U	0.98 U	0.98 U	0.98 U	0.36 J	0.98 U
Chloromethane	0.41 U	0.14 J	0.92 U	0.41 U	0.15 J	0.41 U	2.1 U	0.41 U	0.41 U	0.41 U	0.25 J	0.41 U	0.41 U	0.41 U	0.41 U	0.17 J	0.16 J	0.41 U	0.27 J	0.41 U
Chlorotoluene, 2-	1.0 U	1.0 U	2.3 U	1.0 U	1.0 U	1.0 U	5.2 U	1.0 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.4 U	1.4 U	3.1 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	2.0	1.5	1.1 J	1.4 U	1.4 U	1.4 U
Cyclohexane	0.69 U	0.28 J	1.8	0.21 J	7.0	0.21 J	1300	0.69 U	0.69 U	22	1.4 U	0.69 U	10	1.5	0.69 U	0.32 J	0.27 J	0.69 U	0.69 U	0.69 U
Decane, n-	2.0	1.7	2.6 U	1.9	1.2 U	5.4	7.6	3.7	2.8	9.2	1.4 J	3.3	10	1.2 UJ	2.0	8.0	3.0	4.7	12	2.5
Dibromochloromethane	1.7 U	1.7 U	3.8 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U	1.7 U	1.7 U	3.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane, 1,2-	1.5 U	1.5 U	3.4 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U	1.5 U	1.5 U	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene, 1,2-	1.2 U	1.2 U	2.7 U	1.2 U	1.2 U	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	0.48 J	0.59 J	2.7 U	0.84 J	0.56 J	1.3	3.3 J	1.4	1.0 J	3.2	2.4 U	1.2	3.5	0.65 J	1.2 U	3.1	0.61 J	0.66 J	4.6	0.41 J
Dichlorobenzene, 1,4-	1.2 U	1.2 U	2.7 U	0.72 J	0.46 J	1.2 U	6.0 U	1.2 U	1.2 U	0.39 J	2.4 U	1.2 U	0.38 J	1.2 U	1.2 U	0.31 J	1.2 U	1.2 U	0.43 J	1.2 U
Dichlorodifluoromethane	2.1	2.3	2.7	2.8	2.2	2.0	1.5 J	2.0	1.3	1.8	16	3.0	8.9	5.8	5.2	4.7	4.1	2.3	2.4	2.1
Dichloroethane, 1,1-	0.81 U	0.81 U	1.8 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.26 J	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	0.81 U	0.81 U	1.8 U	0.81 U	0.81 U	0.81 U	4.0 U	0.81 U	0.81 U	0.81 U	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, cis-1,2-	0.79 U	0.79 U	1.8 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene, 1,1-	0.79 U	0.79 U	1.8 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.21 J	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane, 1,2-	0.92 U	0.92 U	2.0 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	0.91 U	0.91 U	2.0 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	0.91 U	0.91 U	2.0 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U	0.91 U	0.91 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane, 1,4-	0.72 U	0.72 U	1.6 U	1.8 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Dodecane, n-	2.9	1.0 J	1.8 J	1.2 J	0.62 J	1.0 J	2.3 J	5.1	0.70 J	2.1	2.5 J	0.85 J	2.6	5.2	1.3 J	2.1	2.5	1.5	5.1	24
Ethanol	4.6 J	6.2	6.6	21	3.5 J	2.8	18	3.4 J	1.5 J	11	20	1.6 J	11	2.5 J	1.8 J	9.9	8.9	2.2	6.5	4.7 J
Ethylthiophene, 2-	0.92 U	0.92 U	2.0 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U	0.92 U	0.92 U	1.9 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	0.98 U	0.98 U	2.2 U	2.6	0.97 J	0.98 U	4.9 U	0.98 U	0.98 U	0.46 J	0.70 J	0.98 U	0.60 J	0.98 U	0.44 J	0.35 J	0.98 U	0.25 J	0.41 J	0.98 U
Heptane, n-	0.82 U	0.82 UJ	1.8 U	13 J	0.82 UJ	2.9	3.3 J	0.82 U	1.2	1.4	0.5 J	0.92	1.3	0.82 U	2.2	1.1	0.82 U	2.1	0.79 J	0.82 U
Hexachlorobutadiene	2.1 U	2.1 U	4.7 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U	2.1 U	2.1 U	4.3 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane, n-	0.45 J	0.78	2.1	0.56 J	2.1	0.70 U	270	28	0.70 U	1.4	2.2	0.70 U	0.45 J	0.70 U	0.70	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Hexanone, 2-	1.1	0.82 U	1.8 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	4.2 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Indan	0.97 U	0.97 U	2.1 U	1.7	0.68 J	0.97 U	4.8 U	0.97 U	0.97 U	0.27 J	1.3 J	0.97 U	0.39 J	0.97 U	0.97 U	0.26 J	0.97 U	0.97 U	0.33 J	0.97 U
Indene	0.95 U	0.95 U	2.1 U	0.95 U	0.95 U	0.95 U	4.8 U	0.95 U	0.95 U	0.95 U	1.9 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	0.72 U	0.72 U	1.6 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	1.5 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone, 4-	1.6	0.82 U	1.8 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U												

Table 5-1
 Summary of Soil Vapor Results for OU-2 and OU-3
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2 & 3

Sample ID: Date Collected:	OU2SG23 3/27/2008	OU2SG24 4/3/2008	OU3SG01 9/20/2007	OU3SG01 12/19/2007	OU3SG01 4/3/2008	OZSG01 2/19/2008	OZSG01 3/17/2008	OZSG01 3/21/2008	OZSG02 2/19/2008	OZSG02 3/17/2008	OZSG03 2/21/2007	OZSG03 2/19/2008	OZSG03 3/17/2008	OZSG03 3/21/2008	OZSG04 2/19/2008	OZSG04 3/17/2008	OZSG04 3/21/2008	OZSG05 2/19/2008	OZSG05 3/17/2008	OZSG05 3/21/2008
Other VOCs Continued (ug/m3)																				
Octane, n-	1.6	9.7	2.1 U	1.3	0.93 U	2.8	66	1.2	1.4	80	0.76 J	0.95	64	0.81 J	1.6	60	1.5	2.5	52	0.68 J
Pentane	0.20 J	0.59 U	0.52 J	0.83	0.44 J	0.59 U	170	17	0.32 J	12	0.78 J	0.59 U	3.7	0.44 J	0.62	40	27	0.59 U	0.59 U	0.27 J
Propanol,2-	0.96 J	1.0 J	1.6	1.6 J	0.61 J	0.49 U	6.0 J	1.2 U	0.49 U	5.5 j	1.0	0.49 U	3.8 J	1.2 U	45	28 J	1.2 UJ	0.49 U	2.0 J	0.73 J
Propylbenzene, n-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.85 U	0.85 U	1.9 U	0.26 J	0.41 J	0.85 U	4.3 U	0.85 U	0.85 U	0.27 J	1.7 U	0.85 U	0.34 J	0.85 U	0.85 U	0.22 J	0.85 U	0.85 U	0.22 J	0.85 U
t-Butyl alcohol	0.77	0.36 J	3.0	0.45 J	0.61 U	0.61 U	3.0 U	0.61 U	0.61 U	0.61 U	1.2 U	0.61 U	0.61 U	0.61 U	0.61 U	0.33 J	0.61 U	0.61 U	0.27 J	0.26 J
Tetrachloroethane,1,1,2,2-	1.4 U	1.4 U	3.0 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U	1.4 U	1.4 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	0.88 J	3.3	0.90 J	0.81 J	1.2 J	0.95 J	9.8	4.2	3.9	5.8	0.96 J	1.0 J	4.4	1.6	12	9.2	4.4	1.2 J	3.5	1.2 J
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	0.45 J	1.1 U	2.4 U	0.77 J	0.94 J	0.27 J	5.5 U	1.1 U	0.27 J	0.33 J	2.2 U	1.1 U	1.1 U	1.1 U	0.49 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thiophene	0.69 U	0.69 U	1.5 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	1.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	0.79 U	0.79 U	1.8 U	0.79 U	0.79 U	0.79 U	4.0 U	0.79 U	0.79 U	0.79 U	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	0.48 J	0.71 J	3.4 U	1.5 U	0.76 J	0.54 J	7.7 U	1.5 U	0.54 J	0.39 J	3.1 U	0.57 J	0.80 J	0.39 J	0.46 J	0.46 J	0.50 J	0.54 J	0.82 J	0.51 J
Trichlorobenzene,1,2,4-	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U	7.4 U	1.5 U	1.5 U	1.5 U	3.0 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	1.1 U	1.1 U	1.1 J	1.1 U	1.1 U	1.1 U	2.2 J	1.2	1.1 U	0.32 J	2.2 U	1.1 U	0.29 J	1.1 U	2.3	2.1	2.4	1.8	1.2	1.1 J
Trichloroethane,1,1,2-	1.1 U	1.1 U	2.4 U	1.1 U	1.1 U	1.1 U	5.4 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.1 U	2.4 U	1.1 U	1.1 U	1.1 U	5.4 U	1.5	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.0 J	1.3	1.5 J	1.2 U	1.3	2.2	1.7 J	1.2	1.4	1.8	1.9 J	1.1	1.8	1.1 J	7.2	7.4	6.2	1.5	1.6	1.1
Trimethylbenzene,1,2,3-	0.98	0.38 J	0.65 J	2.6	3.4	0.84 J	1.8 J	0.98 U	0.69 J	1.5	2.1	0.65 J	2.0	0.98 U	1.8	1.4	0.43 J	0.84 J	1.9	0.34 J
Trimethylbenzene,1,2,4-	0.32 J	0.98 U	0.98 J	9.5	0.48 J	0.34 J	4.9 U	0.98 U	0.98 U	0.53 J	4.2	0.98 U	0.67 J	0.98 U	0.98	0.42 J	0.98 U	0.25 J	0.50 J	0.98 U
Trimethylbenzene,1,3,5-	0.38 J	0.98 U	2.2 U	2.7	1.1	0.34 J	4.9 U	0.98 U	0.34 J	0.54 J	1.1 J	0.26 J	1.0	0.98 U	0.69 J	0.51 J	0.98 U	0.34 J	0.67 J	0.98 U
Trimethylpentane, 2,2,4-	0.37 J	0.93 UJ	2.1 U	0.93 U	0.93 UJ	0.93 U	4.7 U	0.93 U	0.93 U	0.93 U	1.9 U	0.93 U	0.93 U	0.93 U	0.61 J	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Undecane, n-	0.89 J	0.49 J	1.4 J	1.3	1.3 U	1.0 J	1.7 J	2.0	0.57 J	1.7	1.6 J	0.80 J	1.6	1.3 UJ	0.77 J	1.5	1.5	0.96 J	2.4	7.3
Vinyl bromide	0.87 U	0.87 U	1.9 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U	0.87 U	0.87 U	1.8 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	0.51 U	0.51 U	1.1 U	0.51 U	0.51 U	0.51 U	2.6 U	0.51 U	0.51 U	0.51 U	1.0 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Other																				
Helium	NA	NA	NA	0.131	NA	NA	NA	NA	NA	NA	NA	0.099	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

- NE - not established
- ND - not detected; total concentration is listed as ND because no compounds were detected in the group
- NA - not analyzed

- J - estimated value
- U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
- B - Analyte detected in the associated method blank
- E - Value above quantitation range

Bolding indicates a detected result value
 Shading and bolding indicates that the detected result value exceeds NYSDOH 95th percentile
 ug/m3 - micrograms per cubic meter
 BTEX - benzene, toluene, ethylbenzene, and xylene
 VOCs - volatile organic compounds

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006
BTEX (ug/m3)														
Benzene	5.8	2.5 U	2.6 U	2.4 U	2.4 U	2.2	2.2 U	2.4 U	2.4 U	2.4 U	2.5 U	2.3 U	2.3 U	2.6 U
Ethylbenzene	1.9	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	3.5 U
Toluene	21	3 U	3 U	2.9 U	2.8 U	2.4 U	2.6 U	2.9 U	2.9 U	2.8 U	3 U	3.8	3.3	12.1 J
Xylene, m,p-	3.1	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	3.5 U
Xylene, o-	2.5	3.4 U	3.5 U	3.3 U	3.2 U	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	3.5 U
Xylene, total	NE	NC	NC	NC	NC	2.8 U	3 U	3.3 U	3.3 U	3.2 U	3.4 U	3.2 U	3.2 U	NC
Other VOCs (ug/m3)														
Acetaldehyde	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	58	16.9	14.3	7.1 U	7.1 U	16.9	30.9	22.1	10	12.4	7.6 U	6.9 UJ	9.7 J	14.5 J
Acrolein (propenal)	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Allyl chloride	NE	10 U	10 U	9.4 U	9.4 U	8.1 U	8.8 U	9.4 U	9.4 U	9.4 U	10 U	9.1 U	9.1 U	10 U
Benzothiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NE	5.3 U	5.4 U	5.1 U	5 U	4.4 U	4.7 U	5.1 U	5.1 U	5 U	5.3 U	4.9 U	4.9 U	5.4 U
Bromoform	NE	8.2 U	8.3 U	7.9 U	7.6 U	6.7 U	7.2 U	7.9 U	7.9 U	7.6 U	8.2 U	7.5 U	7.5 U	8.3 U
Bromomethane	0.9	3.1 U	3.1 U	3 U	2.9 U	2.5 U	2.7 U	3 U	3 U	2.9 U	3.1 U	2.8 U	2.8 U	3.1 U
Butadiene, 1,3-	NE	1.7 U	1.8 U	1.7 U	1.6 U	1.4 U	1.5 U	1.7 U	1.7 U	1.6 U	1.7 U	1.6 U	1.6 U	1.8 U
Butane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butanone,2-	17	2.8	2.4 J	2.2 U	2.2 U	1.9 U	3.2	2.7	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U	2.4 U
Carbon disulfide	NE	2.5 U	4.7	2.4 U	2.3 U	2 U	2.2 U	2.4 U	2.5	2.3 U	2.5 U	2.3 U	2.3 U	2.5 U
Carbon tetrachloride	1	5 U	5 U	4.8 U	4.7 U	4.1 U	4.4 U	4.8 U	4.8 U	4.7 U	5 U	4.6 U	4.6 U	5 U
Chlorobenzene	<0.25	3.6 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.6 U	3.4 U	3.4 U	3.7 U
Chloroethane	0.4	2.1 U	2.1 U	2 U	2 U	1.7 U	1.8 U	2 U	2 U	2 U	2.1 U	1.9 U	1.9 U	2.1 U
Chloroform	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Chloromethane	4.6	6.6 U	6.6 U	6.2 U	6.2 U	5.4 U	5.8 U	6.2 U	6.2 U	6.2 U	6.6 U	6 U	6 U	6.6 U
Chlorotoluene,2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cryofluorane	1.3	5.5 U	5.6 U	5.3 U	5.2 U	4.5 U	4.9 U	5.3 U	5.3 U	5.2 U	5.5 U	5.1 U	5.1 U	5.6 U
Cyclohexane	3	2.7 U	2.8 U	2.6 U	2.5 U	2.2 U	2.4 U	2.6 U	2.6 U	2.5 U	2.7 U	2.5 U	2.5 U	2.8 U
Decane, n-	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NE	6.7 U	6.8 U	6.5 U	6.3 U	5.5 U	6 U	6.5 U	6.5 U	6.3 U	6.7 U	6.2 U	6.2 U	6.8 U
Dibromoethane,1,2-	<0.25	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U	6.1 U
Dichlorobenzene,1,2-	0.9	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorobenzene,1,3-	0.7	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorobenzene,1,4-	0.8	4.7 U	4.8 U	4.6 U	4.4 U	3.9 U	4.2 U	4.6 U	4.6 U	4.4 U	4.7 U	4.4 U	4.4 U	4.8 U
Dichlorodifluoromethane	11	3.9 U	4 U	3.8 U	3.7 U	3.2 U	3.5 U	3.8 U	3.8 U	3.7 U	3.9 U	3.6 U	3.6 U	4 U
Dichloroethane,1,1-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.2 U
Dichloroethane,1,2-	<0.25	3.2 U	3.2 U	3.1 U	3 U	2.6 U	2.8 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.2 U
Dichloroethene, cis-1,2-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Dichloroethene,1,1-	<0.25	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Dichloropropane,1,2-	<0.25	3.7 U	3.7 U	3.5 U	3.4 U	3 U	3.2 U	3.5 U	3.5 U	3.4 U	3.7 U	3.4 U	3.4 U	3.7 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U	3.6 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.6 U	3.4 U	3.4 U	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.6 U	3.3 U	3.3 U	3.6 U
Dioxane,1,4-	NE	11.5 U	11.5 U	10.8 U	10.8 U	9.4 U	10.1 U	10.8 U	10.8 U	10.8 U	11.5 U	10.5 U	10.5 U	11.5 U
Dodecane, n-	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-2
 Ambient Air Analytical Data
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA01 7/21/2004	Duplicate of OU2AA01 7/21/2004	OU2AA01 10/13/2004	Duplicate of OU2AA01 10/13/2004	OU2AA01 5/5/2005	Duplicate of OU2AA01 5/5/2005	OU2AA01 8/30/2005	Duplicate of OU2AA01 8/30/2005	OU2AA01 2/1/2006	Duplicate of OU2AA01 2/1/2006	OU2AA01 6/14/2006	Duplicate of OU2AA01 6/14/2006	OU2AA01 9/7/2006
Other VOCs (ug/m3)														
Ethanol	220	6 U	6.8	5.7 U	5.7 U	4.9 U	8.7	5.7 U	5.7 U	5.7 U	22.6	5.5 U	5.5 U	22.6 J
Ethylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyltoluene, p-	NE	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Heptane, n-	5.1	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.3 U
Hexachlorobutadiene	7	34.1 U	34.1 U	32 U	32 U	27.7 U	29.9 U	32 U	32 U	32 U	34.1 U	30.9 U	30.9 U	34.1 UJ
Hexane, n-	3.6	2.8 U	2.8 U	2.7 U	2.6 U	2.3 U	2.5 U	2.7 U	2.7 U	2.6 U	2.8 U	2.6 U	2.6 U	2.8 U
Hexanone,2-	NE	13.1 U	13.1 U	12.3 U	12.3 U	10.7 U	11.5 U	12.3 U	12.3 U	12.3 U	13.1 U	11.9 U	11.9 U	13.1 U
Indan	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	15.5 U
Indene	NE	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	15.2 U
Isopropyl benzene	0.4	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Methyl tert-butyl ether	5.9	2.8 U	2.9 U	2.7 U	2.7 U	2.3 U	2.5 U	2.7 U	2.7 U	2.7 U	2.8 U	2.6 U	2.6 U	2.9 U
Methyl-2-pentanone,4-	2.9	3.2 U	3.3 U	3.1 U	3 U	2.7 U	2.9 U	3.1 U	3.1 U	3 U	3.2 U	3 U	3 U	3.3 U
Methylene chloride	2.9	2.7 UJ	2.8 UJ	2.6 U	2.6 U	2.3 U	2.4 U	2.6 U	2.6 U	2.6 U	2.7 U	2.5 U	2.5 U	2.8 U
Methylnaphthalene,1-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylnaphthalene,2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	16.8 U	16.8 U	15.7 U	15.7 U	13.6 UJ	14.7 UJ	15.7 U	15.7 U	15.7 U	16.8 U	15.2 UJ	15.2 UJ	16.8 U
Nonane	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Octane, n-	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentane	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propanol,2-	NE	7.9 U	7.9 U	7.4 U	7.4 U	6.4 U	6.9 U	7.4 U	7.4 U	7.4 U	7.9 U	7.1 U	7.1 U	9.6 J
Propylbenzene, n-	0.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Styrene	0.6	3.4 U	3.4 U	3.2 U	3.2 U	2.8 U	3 U	3.2 U	3.2 U	3.2 U	3.4 U	3.1 U	3.1 U	3.4 U
t-Butyl alcohol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane,1,1,2,2-	<0.25	5.4 U	5.5 U	5.2 U	5.1 U	4.5 U	4.8 U	5.2 U	5.2 U	5.1 U	5.4 U	5 U	5 U	5.5 U
Tetrachloroethene	1.6	5.4 U	5.4 U	5.2 U	5 U	4.4 U	4.7 U	5.2 U	5.2 U	5 U	5.4 U	5 U	5 U	5.4 U
Tetrahydrofuran	0.4	2.3 U	2.4 U	2.2 U	2.2 U	1.9 U	2.1 U	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U	2.2 U	2.4 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiophene	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.1 U	3.2 U	3 U	2.9 U	2.6 U	2.8 U	3 U	3 U	2.9 U	3.1 U	2.9 U	2.9 U	3.2 U
Trichloro-1,2,2-trifluoroethane,	3.6	6.1 U	6.1 U	5.8 U	5.7 U	5 U	5.4 U	5.8 U	5.8 U	5.7 U	6.1 U	5.6 U	5.6 U	6.1 U
Trichlorobenzene,1,2,4-	4.8	23.7 U	23.7 U	22.3 U	22.3 U	19.3 U	20.8 U	22.3 U	22.3 U	22.3 U	23.7 U	21.5 U	21.5 U	23.7 UJ
Trichloroethane,1,1,1-	0.7	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U	4.4 U
Trichloroethane,1,1,2-	<0.25	4.3 U	4.4 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.3 U	4 U	4 U	4.4 U
Trichloroethene	0.5	4.2 U	4.3 U	4.1 U	4 U	3.5 U	3.8 U	4.1 U	4.1 U	4 U	4.2 U	3.9 U	3.9 U	4.3 U
Trichlorofluoromethane	6.1	4.4 U	4.5 U	4.3 U	4.2 U	3.7 U	3.9 U	4.3 U	4.3 U	4.2 U	4.4 U	4.1 U	4.1 U	4.5 U
Trimethylbenzene,1,2,3-	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimethylbenzene,1,2,4-	2.5	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 UJ
Trimethylbenzene,1,3,5-	1	3.9 U	3.9 U	3.7 U	3.6 U	3.2 U	3.4 U	3.7 U	3.7 U	3.6 U	3.9 U	3.6 U	3.6 U	3.9 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.7 U	3.6 U	3.5 U	3 U	3.3 U	3.6 U	3.6 U	3.5 U	3.7 U	3.4 U	3.4 U	3.7 U
Undecane, n-	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl bromide	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	2 U	2 U	1.9 U	1.9 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	2 U

Table 5-2
 Ambient Air Analytical Data
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006
BTEX (ug/m3)												
Benzene	5.8	2.6 U	5.0	4.5 J	4.5 J	0.43 J	1.4 B	3.3	2.0	2.4 U	2.5 U	2.4 U
Ethylbenzene	1.9	3.6 U	2.5	1.7	2.0	0.87 U	0.69 J	1.5	0.74 J	3.2 U	3.4 U	3.3 U
Toluene	21	3.1 UJ	15	16 J	19 J	0.74 J	4.0	10	6.8	2.8 U	2.9 U	2.9 U
Xylene, m,p-	3.1	3.6 U	7.6	5.4 J	6.5 J	0.25 J	1.8	4.6	2.7	3.2 U	3.4 U	3.3 U
Xylene, o-	2.5	3.6 U	2.8	1.9	2.0	0.87 U	0.56 J	1.6	0.92	3.2 U	3.4 U	3.3 U
Xylene, total	NE	NC	NC	NC	NC	NC	NC	NC	NC	3.2 U	3.4 U	3.3 U
Other VOCs (ug/m3)												
Acetaldehyde	NE	NA	2.7 J	2.6 UJ	2.6 J	43 J	18	1.8 U	7.4 J	NA	NA	NA
Acetone	58	7.8 UJ	14	16	16	19	9.3	19	13 J	33.3	33.3	7.1 U
Acrolein (propenal)	NE	NA	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.23 J	NA	NA	NA
Allyl chloride	NE	10.3 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	9.4 U	9.7 U	9.4 U
Benzothiophene	NE	NA	5.5 UJ	5.5 UJ	5.5 UJ	2.7 UJ	14 U	1.1 U	1.1 U	NA	NA	NA
Bromodichloromethane	NE	5.5 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	5 U	5.2 U	5.1 U
Bromoform	NE	8.5 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.6 U	8.1 U	7.9 U
Bromomethane	0.9	3.2 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	2.9 U	3 U	3 U
Butadiene, 1,3-	NE	1.8 U	0.86	0.66	0.84	0.44 U	0.44 U	0.44 U	0.48	1.6 U	1.7 U	1.7 U
Butane	NE	NA	15	14 J	15 J	0.48 U	1.8	15	5.4	NA	NA	NA
Butanone,2-	17	2.4 U	1.7	3.0	2.7	1	3.1	5.9	2.0	6.2	2.3 U	2.2 U
Carbon disulfide	NE	2.6 U	1.7	0.62 U	0.62 U	0.62 U	0.34 JB	0.16 J	0.62 U	2.3 U	2.4 U	2.4 U
Carbon tetrachloride	1	5.2 U	1.3 U	0.44 J	1.3 U	0.57 J	0.57 J	0.44 J	0.55 J	4.7 U	4.9 U	4.8 U
Chlorobenzene	<0.25	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U
Chloroethane	0.4	2.2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	2 U	2.1 U	2 U
Chloroform	0.5	4 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.6 U	3.8 U	3.7 U
Chloromethane	4.6	6.8 U	1.2 J	1.1 J	1.1 J	1.3	0.99	1.0	1.0	6.2 U	6.4 U	6.2 U
Chlorotoluene,2-	NE	NA	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	NA	NA	NA
Cryofluorane	1.3	5.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.2 U	5.5 U	5.3 U
Cyclohexane	3	2.8 U	1.2	1.3	1.2	0.69 U	0.34 J	0.69	0.40 J	2.5 U	2.7 U	2.6 U
Decane, n-	3.6	NA	0.99 J	1.3 J	1.3 J	1.2 U	0.52 J	0.70 J	0.54 J	NA	NA	NA
Dibromochloromethane	NE	7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6.3 U	6.6 U	6.5 U
Dibromoethane,1,2-	<0.25	6.3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.7 U	6 U	5.8 U
Dichlorobenzene,1,2-	0.9	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U
Dichlorobenzene,1,3-	0.7	4.9 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.4 U	4.7 U	4.6 U
Dichlorobenzene,1,4-	0.8	4.9 U	1.2 UJ	0.60 J	0.60 J	1.2 U	0.36 J	0.60 J	1.2 U	4.4 U	4.7 U	4.6 U
Dichlorodifluoromethane	11	4.1 U	2.8	3.1	3.1	2.9	2.5	2.7	2.1	3.7 U	3.9 U	3.8 U
Dichloroethane,1,1-	<0.25	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U
Dichloroethane,1,2-	<0.25	3.3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	3 U	3.2 U	3.1 U
Dichloroethene, cis-1,2-	<0.25	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U
Dichloroethene,1,1-	<0.25	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U
Dichloropropane,1,2-	<0.25	3.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.4 U	3.6 U	3.5 U
Dichloropropene, cis-1,3	<0.25	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U
Dichloropropene, trans-1,3	<0.25	3.7 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.4 U	3.5 U	3.4 U
Dioxane,1,4-	NE	11.9 U	1.8 U	1.8 U	1.8 U	1.8 U	0.72 U	1.8 U	0.72 U	10.8 U	11.2 U	10.8 U
Dodecane, n-	7.6	NA	0.42 J	1.4 U	0.56 J	1.4 U	1.4 U	1.4 U	1.4 U	NA	NA	NA

Table 5-2
 Ambient Air Analytical Data
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	Duplicate of OU2AA01 9/7/2006	Field Blank OU2AA01 2/22/2007	OU2AA01 2/22/2007	Duplicate of OU2AA01 2/22/2007	OU2AA01 6/14/2007	OU2AA01 9/19/2007	OU2AA01 12/19/2007	OU2AA01 3/27/2008	OU2AA02 5/5/2005	OU2AA02 8/30/2005	OU2AA02 2/1/2006
Other VOCs (ug/m3)												
Ethanol	220	6.8 J	30	26 U	25 J	10	15	24	20	8.9	5.8 U	5.7 U
Ethylthiophene, 2-	NE	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA
Ethyltoluene, p-	NE	4 U	0.59 J	0.49 J	0.49 J	0.98 U	0.98 U	0.44 J	0.29 J	3.6 U	3.8 U	3.7 U
Heptane, n-	5.1	3.4 U	2.6	2.3 J	2.3	0.82 U	0.70 J	1.2	1.1	3 U	3.2 U	3.1 U
Hexachlorobutadiene	7	35.2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	32 U	33.1 U	32 U
Hexane, n-	3.6	2.9 U	5.9	5.7 J	5.6 J	0.21 J	1.4	2.8	1.8	2.6 U	2.7 U	2.7 U
Hexanone,2-	NE	13.5 U	2.0 U	2.0 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	12.3 U	12.7 U	12.3 U
Indan	NE	16 U	0.58 J	0.97 U	0.48 J	0.97 U	0.97 U	0.29 J	0.97 U	NA	NA	NA
Indene	NE	15.7 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA
Isopropyl benzene	0.4	4 U	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.7 U
Methyl tert-butyl ether	5.9	3 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.7 U	2.8 U	2.7 U
Methyl-2-pentanone,4-	2.9	3.4 U	0.65 J	0.82 U	0.45 J	1.2	0.82 U	0.82 U	0.82 U	3 U	3.2 U	3.1 U
Methylene chloride	2.9	2.8 U	5.9 J	8.0	7.2 J	2.4	1.5 B	1.9	1.5 J	2.6 U	2.7 U	2.6 U
Methylnaphthalene,1-	NE	NA	14 U	14 U	14 U	29 U	5.8 U	14 UJ	1.2 U	NA	NA	NA
Methylnaphthalene,2-	NE	NA	14 U	14 U	14 U	5.8 U	14 U	14 U	1.2 U	NA	NA	NA
Methylthiophene, 2-	NE	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA
Methylthiophene, 3-	NE	NA	0.80 U	0.80 U	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA
Naphthalene	10	17.3 U	2.6 U	0.26 J	0.37 J	5.2 UJ	1.0 U	0.52 J	1.0 U	15.7 UJ	16.3 U	15.7 U
Nonane	1.2	NA	1.1	1.5	1.6	1 U	1.0 U	0.63 J	0.59 J	NA	NA	NA
Octane, n-	2.1	NA	0.93	0.89 J	1.2	0.93 U	0.28 J	0.65 J	0.93 U	NA	NA	NA
Pentane	NE	NA	7.3	6.2 J	6.5 J	0.98	1.6	5.7	3.1	NA	NA	NA
Propanol,2-	NE	8.1 UJ	4.0	5.2 J	4.8 J	9.1	1.7	3.4 J	2.5	7.4 U	7.6 U	7.4 U
Propylbenzene, n-	0.5	4 U	NA	NA	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.7 U
Styrene	0.6	3.5 U	0.38 J	0.25 J	0.43 J	0.85 U	0.85 U	0.38 J	0.85 U	3.2 U	3.3 U	3.2 U
t-Butyl alcohol	NE	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.18 J	0.61 U	0.61 U	NA	NA	NA
Tetrachloroethane,1,1,2,2-	<0.25	5.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.1 U	5.4 U	5.2 U
Tetrachloroethene	1.6	5.6 U	1.2 J	2.4	3.3	1.4 U	0.68 J	2.2	0.96 J	5 U	5.3 U	5.2 U
Tetrahydrofuran	0.4	2.4 U	NA	NA	NA	NA	NA	NA	NA	2.2 U	2.3 U	2.2 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	1.1 U	1.1 U	1.1 U	1.1 U	14 U	1.1 U	1.1 U	NA	NA	NA
Thiophene	NE	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.9 U	3.1 U	3 U
Trichloro-1,2,2-trifluoroethane,	3.6	6.3 U	0.54 J	0.69 J	0.54 J	0.59 J	0.69 J	0.61 J	1.5 U	5.7 U	6 U	5.8 U
Trichlorobenzene,1,2,4-	4.8	24.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	3.7 U	1.5 U	1.5 U	1.5 U	22.3 U	23 U	22.3 U
Trichloroethane,1,1,1-	0.7	4.5 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U
Trichloroethane,1,1,2-	<0.25	4.5 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4 U	4.3 U	4.1 U
Trichloroethene	0.5	4.4 U	1.1	3.0 J	3.1	1.1 U	0.43 J	3.5	0.97 J	4 U	4.2 U	4.1 U
Trichlorofluoromethane	6.1	4.6 U	1.8	2.1	2.1	1.9 J	1.5	1.4	1.3	4.2 U	4.4 U	4.3 U
Trimethylbenzene,1,2,3-	0.6	NA	1.2	1.0	1.2	0.98 U	0.98 U	0.49 J	0.26 J	NA	NA	NA
Trimethylbenzene,1,2,4-	2.5	4 UJ	3.0	1.9	2.5	0.98 U	0.64 J	0.98 U	0.91 J	3.6 U	3.8 U	3.7 U
Trimethylbenzene,1,3,5-	1	4 U	0.98	0.59 J	0.79 J	0.98 U	0.98 U	0.49 J	0.29 J	3.6 U	3.8 U	3.7 U
Trimethylpentane, 2,2,4-	2	3.8 U	4.9 J	4.5 J	4.8 J	0.23 J	1.4	1.3	1.0	3.5 U	3.6 U	3.6 U
Undecane, n-	2.3	NA	0.57 J	1.3 U	1.1 J	6.4 UJ	0.45 J	0.89 J	0.46 J	NA	NA	NA
Vinyl bromide	NE	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA
Vinyl chloride	<0.25	2.1 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.9 U	2 U	1.9 U

Table 5-2
 Ambient Air Analytical Data
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007	OU2AA02 5/24/2007	OU2AA02 9/18/2007	OU2AA02 12/18/2007	OU2AA02 3/26/2008	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006
BTEX (ug/m3)													
Benzene	5.8	2.5 U	2.4 U	5.6 J	0.73	0.26 JB	1.2	0.64 J	2.2 U	2.4 U	2.3 U	2.4 U	2.5 U
Ethylbenzene	1.9	3.4 U	3.2 U	2.8 J	0.87 U	0.87 U	0.65 J	0.24 J	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Toluene	21	3.1	2.8 U	19 J	4.5	0.90	11	0.88	2.6 U	2.8 U	3.2	4.1	7.2
Xylene, m,p-	3.1	3.4 U	3.2 U	8.2 J	0.59 J	0.22 J	1.6 J	0.57 J	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Xylene, o-	2.5	3.4 U	3.2 U	2.7 U	0.87 U	0.87 U	0.52 J	0.87 U	3 U	3.2 U	3.1 U	3.3 U	3.4 U
Xylene, total	NE	3.4 U	NC	NC	NC	NC	NC	NC	3 U	3.2 U	3.1 U	3.3 U	NC
Other VOCs (ug/m3)													
Acetaldehyde	NE	NA	NA	2.6 UJ	17 UJ	5.4	1.8 U	3.8 J	NA	NA	NA	NA	NA
Acetone	58	20	18.1	14 U	30 J	22	14	10 J	19.2	7.4	10.5	13.8	18.1
Acrolein (propenal)	NE	NA	NA	0.46 U	0.28 J	0.46 U	1.2	1.2 U	NA	NA	NA	NA	NA
Allyl chloride	NE	10 U	9.4 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	8.8 U	9.4 U	9.1 U	9.4 U	9.7 U
Benzothiophene	NE	NA	NA	5.5 UJ	2.7 U	14 U	1.1 U	1.1 UJ	NA	NA	NA	NA	NA
Bromodichloromethane	NE	5.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	4.7 U	5 U	4.8 U	5.1 U	5.2 U
Bromoform	NE	8.2 U	7.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.2 U	7.6 U	7.4 U	7.9 U	8.1 U
Bromomethane	0.9	3.1 U	2.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	2.7 U	2.9 U	2.8 U	3 U	3 U
Butadiene, 1,3-	NE	1.7 U	1.6 U	0.77 U	0.44 U	0.44 U	0.44 U	0.44 U	1.5 U	1.6 U	1.6 U	1.7 U	1.7 U
Butane	NE	NA	NA	15 J	1.2	0.48 U	4.2	2.5	NA	NA	NA	NA	NA
Butanone,2-	17	7.1	5	2.1 J	1.5	0.50 J	2.1	0.88 J	2.8	2.2 U	3.5 J	4.4	3.8
Carbon disulfide	NE	14.6	2.8	0.62 U	0.62 U	0.22 JB	0.25 J	0.62 U	2.2 U	2.6	6.2	2.4 U	2.8
Carbon tetrachloride	1	5 U	4.7 U	1.3 U	1.3 UJ	0.50 J	0.57 J	0.52 J	4.4 U	4.7 U	4.5 U	4.8 U	4.9 U
Chlorobenzene	<0.25	3.6 U	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U
Chloroethane	0.4	2.1 U	2 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.8 U	2 U	1.9 U	2 U	2.1 U
Chloroform	0.5	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Chloromethane	4.6	6.6 U	6.2 U	1.0 U	1.2	1.0	1.1	1.0	5.8 U	6.2 U	6 U	6.2 U	6.4 U
Chlorotoluene,2-	NE	NA	NA	1.0 U	1 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA
Cryofluorane	1.3	5.5 U	5.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.9 U	5.2 U	5 U	5.3 U	5.5 U
Cyclohexane	3	2.7 U	2.5 U	1.3 J	0.69 U	0.69 U	0.58 J	0.69 U	2.4 U	2.5 U	2.5 U	2.6 U	2.7 U
Decane, n-	3.6	NA	NA	1.2 U	1.2 U	1.2 U	19	1.2 UJ	NA	NA	NA	NA	NA
Dibromochloromethane	NE	6.7 U	6.3 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	6 U	6.3 U	6.1 U	6.5 U	6.6 U
Dibromoethane, 1,2-	<0.25	6.1 U	5.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.4 U	5.7 U	5.5 U	5.8 U	6 U
Dichlorobenzene, 1,2-	0.9	4.7 U	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorobenzene, 1,3-	0.7	4.7 U	4.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorobenzene, 1,4-	0.8	4.7 U	4.4 U	0.60 J	1.2 U	1.2 U	1.2 U	1.2 U	4.2 U	4.4 U	4.3 U	4.6 U	4.7 U
Dichlorodifluoromethane	11	3.9 U	3.7 U	2.7 U	2.6	2.6	2.5	2.0	3.5 U	3.7 U	3.6 U	3.8 U	3.9 U
Dichloroethane, 1,1-	<0.25	3.2 U	3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U
Dichloroethane, 1,2-	<0.25	3.2 U	3 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.8 U	3 U	2.9 U	3.1 U	3.2 U
Dichloroethene, cis-1,2-	<0.25	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Dichloroethene, 1,1-	<0.25	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Dichloropropane, 1,2-	<0.25	3.7 U	3.4 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3.2 U	3.4 U	3.3 U	3.5 U	3.6 U
Dichloropropene, cis-1,3	<0.25	3.6 U	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U
Dichloropropene, trans-1,3	<0.25	3.6 U	3.4 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U
Dioxane, 1,4-	NE	11.5 U	10.8 U	1.8 U	0.72 U	0.72 U	1.8 U	0.72 U	10.1 U	10.8 U	10.5 U	10.8 U	11.2 U
Dodecane, n-	7.6	NA	NA	1.4 U	1.4 U	1.4 U	51	1.4 U	NA	NA	NA	NA	NA

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA02 6/14/2006	OU2AA02 9/7/2006	OU2AA02 2/22/2007	OU2AA02 5/24/2007	OU2AA02 9/18/2007	OU2AA02 12/18/2007	OU2AA02 3/26/2008	OU2AA03 5/25/2005	OU2AA03 8/31/2005	OU2AA03 2/2/2006	OU2AA03 6/15/2006	OU2AA03 9/8/2006
Other VOCs (ug/m3)													
Ethanol	220	6 U	7.2	20 U	1 J	1.9	17	4.1 J	5.3 U	5.7 U	5.5 U	5.7 U	30.1
Ethylthiophene, 2-	NE	NA	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	NA	NA	NA	NA
Ethyltoluene, p-	NE	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Heptane, n-	5.1	3.2 U	3 U	3.0 J	0.82 U	0.82 U	1.1	0.32 J	2.9 U	3 U	3 U	3.1 U	3.2 U
Hexachlorobutadiene	7	34.1 U	32 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	29.9 U	32 U	30.9 U	32 U	33.1 U
Hexane, n-	3.6	2.8 U	2.6 U	6.2 J	0.43 J	0.70 U	0.95	0.43 J	2.5 U	2.6 U	2.5 U	2.7 U	2.7 U
Hexanone,2-	NE	13.1 U	12.3 U	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	11.5 U	12.3 U	11.9 U	12.3 U	12.7 U
Indan	NE	NA	14.5 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	NA	NA	NA	NA	15 U
Indene	NE	NA	14.3 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	NA	NA	NA	NA	14.7 U
Isopropyl benzene	0.4	3.9 U	3.6 U	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Methyl tert-butyl ether	5.9	2.8 U	2.7 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	2.5 U	2.7 U	2.6 U	2.7 U	2.8 U
Methyl-2-pentanone,4-	2.9	3.2 U	3 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.9 U	3 U	2.9 U	3.1 U	3.2 U
Methylene chloride	2.9	2.7 U	2.6 U	3.8 U	0.57 J	2.5	1.2 U	1.7 U	2.4 U	2.6 U	2.5 U	2.6 U	3
Methylnaphthalene, 1-	NE	NA	NA	14 U	14 U	5.8 U	14 UJ	1.2 U	NA	NA	NA	NA	NA
Methylnaphthalene,2-	NE	NA	NA	14 U	5.8 U	14 U	14 U	1.2 U	NA	NA	NA	NA	NA
Methylthiophene, 2-	NE	NA	NA	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Methylthiophene, 3-	NE	NA	NA	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	NA	NA	NA	NA	NA
Naphthalene	10	16.8 UJ	15.7 U	0.31 J	1 U	1.0 U	1.0 U	1.0 U	14.7 U	15.7 U	15.2 U	15.7 UJ	16.3 U
Nonane	1.2	NA	NA	1.2 J	1 U	1.0 U	0.47 J	1.0 U	NA	NA	NA	NA	NA
Octane, n-	2.1	NA	NA	1.2 J	0.93 U	0.93 U	0.93 U	0.93 U	NA	NA	NA	NA	NA
Pentane	NE	NA	NA	7.2 J	0.62	0.21 J	6.2	0.94 J	NA	NA	NA	NA	NA
Propanol,2-	NE	7.9 U	7.4 U	3.8 J	0.62 J	5.6	4.2 J	1.2 U	6.9 U	7.4 U	7.1 U	7.4 U	7.6 U
Propylbenzene, n-	0.5	3.9 U	3.6 U	NA	NA	NA	NA	NA	3.4 U	3.6 U	3.5 U	3.7 U	3.8 U
Styrene	0.6	3.4 U	3.2 U	0.85 U	0.85 U	0.85 U	0.38 J	0.85 U	3 U	3.2 U	3.1 U	3.2 U	3.3 U
t-Butyl alcohol	NE	NA	NA	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	NA	NA	NA	NA	NA
Tetrachloroethane,1,1,2,2-	<0.25	5.4 U	5.1 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.8 U	5.1 U	4.9 U	5.2 U	5.4 U
Tetrachloroethene	1.6	5.4 U	5 U	1.5 J	1.4 U	1.4 U	0.41 J	1.4 U	4.7 U	5 U	4.9 U	5.2 U	5.3 U
Tetrahydrofuran	0.4	2.3 U	2.2 U	NA	NA	NA	NA	NA	2.1 U	2.2 U	2.1 J	2.2 U	2.3 U
Tetramethylbenzene, 1,2,4,5-	NE	NA	NA	1.1 U	5.5 U	14 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
Thiophene	NE	NA	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	NA	NA	NA	NA
Trans-1,2-dichloroethene	NE	3.1 U	2.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.8 U	2.9 U	2.9 U	3 U	3.1 U
Trichloro-1,2,2-trifluoroethane,	3.6	6.1 U	5.7 U	1.5 U	1.5 U	0.69 J	0.54 J	0.53 J	5.4 U	5.7 U	5.5 U	5.8 U	6 U
Trichlorobenzene,1,2,4-	4.8	23.7 U	22.3 UJ	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	20.8 U	22.3 U	21.5 U	22.3 U	23 U
Trichloroethane,1,1,1,-	0.7	4.3 U	4 U	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U
Trichloroethane,1,1,2-	<0.25	4.3 U	4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.3 U
Trichloroethene	0.5	4.2 U	4 U	1.2 J	1.1 U	1.1 U	0.59 J	1.1 U	3.8 U	4 U	3.9 U	4.1 U	4.2 U
Trichlorofluoromethane	6.1	4.4 U	4.2 U	1.8 J	1.4	1.5	1.2	1.0 J	3.9 U	4.2 U	4 U	4.3 U	4.4 U
Trimethylbenzene,1,2,3-	0.6	NA	NA	1.2 J	0.98 U	0.98 U	0.98 U	0.98 U	NA	NA	NA	NA	NA
Trimethylbenzene,1,2,4-	2.5	3.9 U	3.6 UJ	2.8 U	0.98 U	0.98 U	0.59 J	0.98 U	3.4 U	3.6 U	3.6	3.7 U	3.8 U
Trimethylbenzene,1,3,5-	1	3.9 U	3.6 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	3.4 U	3.6 U	3.5 UJ	3.7 U	3.8 U
Trimethylpentane, 2,2,4-	2	3.7 U	3.5 U	5.2 J	1.2	0.93 U	0.70 J	0.93 U	3.3 U	3.5 U	3.4 U	3.6 U	3.6 U
Undecane, n-	2.3	NA	NA	1.3 U	1.3 U	1.3 U	67	1.3 U	NA	NA	NA	NA	NA
Vinyl bromide	NE	NA	NA	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	NA	NA	NA	NA	NA
Vinyl chloride	<0.25	2 U	1.9 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	1.8 U	1.9 U	1.8 U	1.9 U	2 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008
BTEX (ug/m3)										
Benzene	5.8	0.64 U	0.28 J	0.80 B	3.0	2.1	0.70 U	0.35 JB	1.5	2.0
Ethylbenzene	1.9	0.87 U	0.87 U	0.35 J	1.8	0.82 J	0.87 U	0.87 U	0.39 J	0.65 J
Toluene	21	1.2 U	0.44 J	2.2	8.9	6.7	1.1 U	0.68 J	2.6	4.7
Xylene, m,p-	3.1	1.7 U	0.3 J	0.87 J	5.7	2.1	1.7 U	0.22 J	1.0 J	2.0
Xylene, o-	2.5	0.87 U	0.87 U	0.35 J	2.0	0.89	0.87 U	0.87 U	0.39 J	0.65 J
Xylene, total	NE	NC	NC	NC	NC	NC	NC	NC	NC	NC
Other VOCs (ug/m3)										
Acetaldehyde	NE	0.41 UJ	16 J	6.5	1.8 U	12 J	0.58 UJ	15	1.8 U	13 J
Acetone	58	6.2 U	25	12	13	14 J	6.4 U	9.4	8.0	10 J
Acrolein (propenal)	NE	0.46 U	0.46 U	0.46 U	0.46 U	0.49 J	0.46 U	0.46 U	0.46 U	0.30 J
Allyl chloride	NE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
Benzo(a)thiophene	NE	5.5 UJ	2.7 UJ	14 U	1.1 U	1.1 U	5.5 UJ	14 U	1.1 U	1.1 U
Bromodichloromethane	NE	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	0.9	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	NE	0.44 U	0.44 U	0.44 U	0.44 U	0.15 J	0.44 U	0.44 U	0.44 U	0.44 U
Butane	NE	2.0 U	0.48 U	0.59	8.4	4.8	2.8 U	0.57	3.1	4.1
Butanone,2-	17	1.5 U	0.59 U	0.71	1.0	1.7	1.5 U	2.2	0.71	1.3 J
Carbon disulfide	NE	0.62 U	0.62 U	0.28 JB	0.62 U	0.62 U	0.62 U	0.37 JB	0.62 U	0.62 U
Carbon tetrachloride	1	0.50 J	0.75 J	0.57 J	0.50 J	0.61 J	0.44 J	0.63 J	0.50 J	0.55 J
Chlorobenzene	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	0.4	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Chloroform	0.5	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	4.6	0.95 U	1	1.0	1.1	1.0	1.0 U	1.0	0.99	1.1
Chlorotoluene,2-	NE	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cryofluorane	1.3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Cyclohexane	3	0.69 U	0.69 U	0.69 U	0.86	0.89	0.69 U	0.69 U	0.31 J	0.40 J
Decane, n-	3.6	1.2 U	1.2 U	1.2 U	0.70 J	0.49 J	1.2 U	1.2 U	1.2 U	1.2 U
Dibromochloromethane	NE	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromoethane,1,2-	<0.25	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dichlorobenzene,1,2-	0.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,3-	0.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene,1,4-	0.8	1.2 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane	11	2.3 U	3.1	2.4	2.6	2.6	2.5 U	2.6	2.2	2.0
Dichloroethane,1,1-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane,1,2-	<0.25	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, cis-1,2-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene,1,1-	<0.25	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloropropane,1,2-	<0.25	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3	<0.25	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dioxane,1,4-	NE	1.8 U	1.8 U	0.72 U	1.8 U	0.72 U	1.8 U	0.72 U	1.8 U	0.72 U
Dodecane, n-	7.6	1.4 U	1.4 U	1.4 U	1.4 U	0.66 J	1.4 U	1.4 U	1.4 U	1.4 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Units No. 2

Sample Location: Sample ID: Date Collected:	NYSDOH Background Outdoor Air 95th Percentile1	OU2AA03 2/21/2007	OU2AA03 6/14/2007	OU2AA03 9/12/2007	OU2AA03 12/19/2007	OU2AA03 3/27/2008	OU2AA04 2/21/2007	OU2AA04 9/18/2007	OU2AA04 12/19/2007	OU2AA04 3/27/2008
Other VOCs (ug/m3)										
Ethanol	220	3.5 U	3.4 J	5.2	19	21	3.9 U	9.2	5.5 U	12
Ethylthiophene, 2-	NE	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethyltoluene, p-	NE	0.98 U	0.98 U	0.98 U	0.59 J	0.26 J	0.98 U	0.98 U	0.98 U	0.98 U
Heptane, n-	5.1	0.82 U	0.82 U	0.45 J	1.9	1.0	0.82 U	0.82 U	0.57 J	1.2
Hexachlorobutadiene	7	2.1 UJ	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U
Hexane, n-	3.6	0.70 U	0.18 J	0.74	3.2	1.8	0.70 U	1.2	1.2	1.5
Hexanone,2-	NE	2.0 U	0.82 U	0.82 U	0.82 U	0.82 U	2.0 U	0.82 U	0.82 U	0.82 U
Indan	NE	0.97 U	0.97 U	0.97 U	0.34 J	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Indene	NE	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Isopropyl benzene	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	5.9	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methyl-2-pentanone,4-	2.9	0.82 U	0.82 U	0.82 U	0.82 U	0.28 J	0.82 U	0.82 U	0.82 U	0.82 U
Methylene chloride	2.9	5.6 U	1.5	1.0 B	0.69 U	1.8	6.1 U	2.5	0.69 U	0.85 J
Methylnaphthalene,1-	NE	14 U	29 U	5.8 U	14 UJ	1.2 U	14 U	5.8 U	14 UJ	1.2 U
Methylnaphthalene,2-	NE	14 U	5.8 U	14 U	14 U	1.2 U	14 U	14 U	14 U	1.2 U
Methylthiophene, 2-	NE	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Methylthiophene, 3-	NE	0.80 U	0.8 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U
Naphthalene	10	2.6 U	5.2 UJ	1.0 U	0.37 J	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U
Nonane	1.2	1.0 U	1 U	1.0 U	0.68 J	0.39 J	1.0 U	1.0 U	1.0 U	0.29 J
Octane, n-	2.1	0.93 U	0.93 U	0.93 U	0.65 J	0.35 J	0.93 U	0.93 U	0.93 U	0.31 J
Pentane	NE	0.59 U	0.59 U	0.74	6.5	2.8	0.77 U	0.59 U	2.3	2.3
Propanol,2-	NE	0.49 U	0.49 U	3.8	1.1 J	3.0	0.49 U	0.56	0.49 U	1.9
Propylbenzene, n-	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	0.6	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
t-Butyl alcohol	NE	0.61 U	0.61 U	0.61 U	0.61 U	0.31 J	0.61 U	0.18 J	0.61 U	0.32 J
Tetrachloroethane,1,1,2,2-	<0.25	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene	1.6	1.4 U	1.4 U	1.4 U	0.41 J	1.4	1.4 U	1.4 U	1.4 U	0.51 J
Tetrahydrofuran	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetramethylbenzene, 1,2,4,5-	NE	1.1 U	1.1 U	14 U	0.44 J	1.1 U	1.1 U	14 U	1.1 U	1.1 U
Thiophene	NE	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Trans-1,2-dichloroethene	NE	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trichloro-1,2,2-trifluoroethane,	3.6	1.5 U	1.5 U	0.61 J	0.54 J	1.5 U	1.5 U	0.69 J	0.69 J	0.47 J
Trichlorobenzene,1,2,4-	4.8	1.5 UJ	3.7 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U
Trichloroethane,1,1,1-	0.7	1.1 U	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane,1,1,1,2-	<0.25	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	0.5	1.1 U	1.1 U	1.1 U	1.1 U	1.3	1.1 U	0.27 J	1.1 U	0.87 J
Trichlorofluoromethane	6.1	1.4 U	1.5 J	1.4	1.3	1.2	1.5 U	1.4	1.2	1.2
Trimethylbenzene,1,2,3-	0.6	0.98 U	0.98 U	0.98 U	0.64 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylbenzene,1,2,4-	2.5	0.98 U	0.98 U	0.29 J	2.1	0.66 J	0.98 U	0.98 U	0.98 U	0.60 J
Trimethylbenzene,1,3,5-	1	0.98 U	0.98 U	0.98 U	0.59 J	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Trimethylpentane, 2,2,4-	2	0.93 U	0.93 U	0.56 J	2.0	0.81 J	0.93 U	0.93 U	0.37 J	0.94
Undecane, n-	2.3	1.3 U	6.4 UJ	1.3 U	0.38 J	0.62 J	1.3 U	1.3 U	1.3 U	0.33 J
Vinyl bromide	NE	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	<0.25	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Table 5-2
Ambient Air Analytical Data
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and

Notes:

¹ Source: New York State Department of Health (NYSDOH), October 2006. Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes reported in various locations within sampled homes in NYS, 1997-2003. Background values for naphthalene are from the NYSDOH 1997 Control Home Database presented in Table C3 of the NYSDOH 2006 Guidance.

NE - not established

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

NA - not analyzed

NC - not calculated

J - estimated value

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

B - Analyte detected in the associated method blank

E - Value above quantitation range

Bolding indicates a detected result value

Shading and bolding indicates that the detected result value exceeds NYSDOH 95th percentile

ug/m³ - micrograms per cubic meter

BTEX - benzene, toluene, ethylbenzene, and xylene

VOCs - volatile organic compounds

Table 6-1
 Water Level Measurements and Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well ID	Date of Measurement	Time of Measurement	Well Casing Diameter (inches)	Well Elevation (feet above MSL) ¹	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-01S	1/16/2008	13:35	1.00	18.18	3.9	14.28	
WCMW-01I	1/16/2008	13:32	1.00	17.99	3.69	14.30	
WCMW-01D	1/16/2008	13:40	1.00	17.69	3.41	14.28	
WCMW-02S	1/16/2008	14:07	1.00	15.34	2.27	13.07	
WCMW-02I	1/16/2008	14:04	1.00	15.23	2.12	13.11	
WCMW-02D	1/16/2008	14:18	1.00	15.15	1.99	13.16	
WCMW-03S	1/16/2008	11:56	2.00	17.15	2.87	14.28	
WCMW-03I	1/16/2008	11:59	2.00	17.2	2.98	14.22	
WCMW-03I2	1/16/2008	12:03	2.00	17.12	2.95	14.17	
WCMW-04S	1/16/2008	12:14	2.00	19.27	5.30	13.97	
WCMW-04I	1/16/2008	12:13	2.00	19.21	5.19	14.02	
WCMW-04I2	1/16/2008	12:11	2.00	19.16	5.04	14.12	
WCMW-05S	1/16/2008	12:04	2.00	18.46	4.32	14.14	
WCMW-05I	1/16/2008	12:06	2.00	18.27	4.20	14.07	
WCMW-05I2	1/16/2008	12:08	2.00	18.39	4.31	14.08	
WCMW-06S	1/16/2008	14:15	2.00	14.78	0.95	13.83	
WCMW-06I	1/16/2008	14:16	2.00	14.92	1.10	13.82	
WCMW-06I2	1/16/2008	14:18	2.00	15.08	1.25	13.83	
WCMW-07S	--	--	2.00	NS	NM	NC	No access
WCMW-07I	--	--	2.00	NS	NM	NC	No access
WCMW-07I2	--	--	2.00	NS	NM	NC	No access
WCMW-08S	1/16/2008	11:40	2.00	17.65	3.01	14.64	
WCMW-08I	1/16/2008	11:42	2.00	17.72	3.06	14.66	
WCMW-08I2	1/16/2008	11:46	2.00	17.76	3.02	14.74	
WCMW-09S	1/16/2008	11:47	2.00	18.03	3.58	14.45	
WCMW-10S	1/17/2008	7:22	2.00	17.44	3.26	14.18	
WCMW-10D	1/17/2008	7:19	2.00	17.36	3.18	14.18	
WCMW-11S	--	--	2.00	NS	NM	NC	No access
WCMW-11I	--	--	2.00	NS	NM	NC	No access
WCMW-11D	--	--	2.00	NS	NM	NC	No access
BBSW-14*	1/16/2008	13:52	NA	15.05	5.09	9.96	Watchogue Creek at Union Blvd.

Notes:

1 - Well Elevations obtained from 2007 Survey and reference NVGD88 datum

NS - 2007 Survey Data Not Available

-- Not Available

NM - Not Measured

NC - Not Calculated

* - Surface Water Gauging Station

Table 6-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		November-99	June-02	November-02	March-03	July-03	September-03	January-04	April-04	June-04
WCMW-01S	2.0 - 12.0	NM	13.89	14.15	15.01	14.66	13.92	14.21	15.27	13.62
WCMW-01I	35.0 - 45.0	NM	14.01	14.22	14.72	14.59	13.98	14.22	15.26	13.66
WCMW-01D	64.0 - 72.0	NM	14.00	14.12	14.89	14.59	13.97	14.31	15.24	13.63
WCMW-02S	3.0 - 13.0	NM	12.96	13.12	13.53	13.45	12.92	13.09	14.00	12.66
WCMW-02I	34.5 - 44.5	NM	12.86	13.03	13.43	13.34	12.86	13.01	13.96	12.56
WCMW-02D	62.0 - 72.0	NM	12.92	13.10	13.64	13.44	12.90	12.75	14.01	12.61
WCMW-03S	4.83 - 9.83	NM	NM	13.96	14.67	14.48	13.75	NM	15.04	13.44
WCMW-03I	19.4 - 24.4	NM	NM	14.15	14.71	14.58	13.93	NM	15.16	13.61
WCMW-03I2	28.55 - 33.55	NM	NM	13.98	14.52	14.41	13.76	NM	14.98	13.46
WCMW-04S	1.5 - 11.5	NM	NM	13.97	14.50	14.36	13.70	NM	15.06	13.39
WCMW-04I	19.0 - 24.0	NM	NM	13.94	14.49	14.36	13.70	NM	15.00	13.41
WCMW-04I2	29.85 - 34.85	NM	NM	14.05	14.58	14.43	13.79	NM	15.07	13.48
WCMW-05S	1.4 - 11.4	NM	NM	14.20	14.68	14.46	13.82	NM	15.05	13.48
WCMW-05I	19.61 - 24.61	NM	NM	13.98	14.51	14.40	13.76	NM	14.99	13.44
WCMW-05I2	29.46 - 34.46	NM	NM	14.02	14.54	14.43	13.81	NM	15.02	13.48
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	NM	NM	13.86	14.33	14.21	13.60	NM	14.79	13.27
WCMW-07I2**	28.95 - 33.95	NM	NM	14.67	15.19	15.06	14.42	14.64	15.66	NM
WCMW-08S	4.2 - 9.2	NM	NM	14.55	15.14	15.02	14.32	14.57	15.59	14.00
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-08I2	26.9 - 31.9	NM	NM	14.55	15.13	15.05	14.33	14.59	15.61	14.03
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

NM - not measured

bgs - below ground surface

NC - not calculated

Well Elevations obtained from 2007 Survey and reference NVGD88 datum

** 2007 Groundwater Elevation Data not Available. Groundwater elevation data presented is in reference to the NGVD29 Datum

Table 6-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)							
		October-04	February-05	May-05	August-05	November-05	February-06	May-06	July/Aug-06
WCMW-01S	2.0 - 12.0	14.09	14.89	14.61	13.45	15.05	14.87	14.51	14.20
WCMW-01I	35.0 - 45.0	14.10	14.78	14.61	13.37	15.05	14.88	14.52	14.19
WCMW-01D	64.0 - 72.0	14.09	13.89	14.71	13.41	15.07	NM	14.51	14.18
WCMW-02S	3.0 - 13.0	13.03	14.07	13.44	12.25	13.69	13.53	13.22	12.95
WCMW-02I	34.5 - 44.5	12.95	13.52	13.41	12.28	13.75	13.61	13.28	12.98
WCMW-02D	62.0 - 72.0	12.98	13.46	13.55	12.34	13.84	13.64	13.32	12.98
WCMW-03S	4.83 - 9.83	13.96	14.64	14.41	13.42	15.03	14.87	14.52	14.23
WCMW-03I	19.4 - 24.4	14.05	14.69	14.55	13.32	14.96	14.80	14.43	14.11
WCMW-03I2	28.55 - 33.55	13.89	14.50	14.38	13.30	14.95	14.79	14.42	14.10
WCMW-04S	1.5 - 11.5	13.83	14.46	14.32	13.10	14.73	14.59	14.23	13.90
WCMW-04I	19.0 - 24.0	13.83	14.47	14.33	13.10	14.73	14.59	14.23	13.90
WCMW-04I2	29.85 - 34.85	13.88	14.55	14.45	13.21	14.83	14.64	14.32	13.99
WCMW-05S	1.4 - 11.4	13.97	14.66	14.39	13.18	14.85	14.70	14.31	13.99
WCMW-05I	19.61 - 24.61	13.89	14.52	14.37	13.16	14.81	14.65	14.29	13.97
WCMW-05I2	29.46 - 34.46	13.92	14.57	14.41	13.17	14.84	14.68	14.33	13.98
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-06I2	29.83 - 34.83	13.74	14.39	14.22	12.98	14.62	NM	14.12	NM
WCMW-07I2**	28.95 - 33.95	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-08S	4.2 - 9.2	14.45	15.11	15.01	13.73	15.43	15.26	14.92	14.58
WCMW-08I	19.2 - 24.2	NM	NM	NM	NM	NM	NM	NM	14.60
WCMW-08I2	26.9 - 31.9	14.47	15.14	15.03	13.77	15.44	15.27	14.92	14.59
WCMW-09S	5.0 - 15.0	NM	NM	NM	NM	NM	15.05	14.71	14.39
WCMW-10S	15.0 - 20.0	NM	NM	NM	NM	NM	NM	NM	NM
WCMW-10D	40.0 - 50.0	NM	NM	NM	NM	NM	14.82	14.46	14.14
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	15.84	NM	NM
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	15.84	NM	NM
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	15.81	NM	NM

Notes:

NM - not measured

bgs - below ground surface

NC - not calculated

Well Elevations obtained from 2007 Survey ar

** 2007 Groundwater Elevation Data not Avail

Table 6-2
 Historic Calculated Groundwater Elevations
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well Identification	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level (MSL)								
		November-06	January-07	May-07	July/Aug-07	Oct/Nov-07	January-08	Minimum	Average	Maximum
WCMW-01S	2.0 - 12.0	14.61	14.59	14.83	14.09	13.51	14.28	13.45	14.38	15.27
WCMW-01I	35.0 - 45.0	14.65	14.64	14.87	14.14	13.53	14.3	13.37	14.38	15.26
WCMW-01D	64.0 - 72.0	14.63	14.53	14.84	14.14	13.55	14.28	13.41	14.31	15.24
WCMW-02S	3.0 - 13.0	13.39	13.35	13.60	12.95	12.35	13.07	12.25	13.21	14.07
WCMW-02I	34.5 - 44.5	13.43	13.41	13.67	12.98	12.34	13.11	12.28	13.17	13.96
WCMW-02D	62.0 - 72.0	13.47	13.44	13.70	13.02	12.39	13.16	12.34	13.21	14.01
WCMW-03S	4.83 - 9.83	14.61	14.57	14.83	14.09	13.43	14.28	13.42	14.31	15.04
WCMW-03I	19.4 - 24.4	14.55	14.56	14.80	14.06	13.41	14.22	13.32	14.33	15.16
WCMW-03I2	28.55 - 33.55	14.55	14.54	14.79	14.05	13.40	14.17	13.30	14.25	14.98
WCMW-04S	1.5 - 11.5	14.36	14.33	14.58	13.83	13.18	13.97	13.10	14.12	15.06
WCMW-04I	19.0 - 24.0	14.36	14.35	14.59	13.84	13.20	14.02	13.10	14.12	15.00
WCMW-04I2	29.85 - 34.85	14.45	14.43	14.70	13.94	13.29	14.12	13.21	14.21	15.07
WCMW-05S	1.4 - 11.4	14.48	14.43	14.67	13.92	13.25	14.14	13.18	14.23	15.05
WCMW-05I	19.61 - 24.61	14.42	14.40	14.66	13.92	13.27	14.07	13.16	14.17	14.99
WCMW-05I2	29.46 - 34.46	14.46	14.44	14.70	13.95	13.31	14.08	13.17	14.21	15.02
WCMW-06S	2.0 - 12.0	NM	NM	NM	NM	13.03	13.83	13.03	13.43	13.83
WCMW-06I	19.55 - 24.55	NM	NM	NM	NM	13.02	13.82	13.02	13.42	13.82
WCMW-06I2	29.83 - 34.83	NM	14.25	14.45	13.69	13.07	13.83	12.98	13.97	14.79
WCMW-07I2**	28.95 - 33.95	NM	NM	NM	NM	NM	NC	14.42	14.94	15.66
WCMW-08S	4.2 - 9.2	14.99	15.01	15.29	14.52	13.82	14.64	13.73	14.76	15.59
WCMW-08I	19.2 - 24.2	15.03	15.03	15.28	14.51	13.85	14.66	13.85	14.71	15.28
WCMW-08I2	26.9 - 31.9	15.02	15.02	15.28	14.52	13.82	14.74	13.77	14.78	15.61
WCMW-09S	5.0 - 15.0	14.81	14.82	15.08	14.32	13.64	14.45	13.64	14.59	15.08
WCMW-10S	15.0 - 20.0	NM	14.57	17.44	NM	13.47	14.18	13.47	14.92	17.44
WCMW-10D	40.0 - 50.0	NM	14.57	17.36	NM	13.42	14.18	13.42	14.71	17.36
WCMW-11S**	5.0 - 15.0	NM	NM	NM	NM	NM	NM	15.84	15.84	15.84
WCMW-11I**	25.0 - 35.0	NM	NM	NM	NM	NM	NM	15.84	15.84	15.84
WCMW-11D**	50.0 - 60.0	NM	NM	NM	NM	NM	NM	15.81	15.81	15.81

Notes:

NM - not measured

bgs - below ground surface

NC - not calculated

Well Elevations obtained from 2007 Survey ar

** 2007 Groundwater Elevation Data not Avail

Table 6-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)												
		Sampling Date												
		2002		2003			2004				2005			
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
WCMW-01D	64.0 - 72.0	0	0	--	0	--	--	0	0	--	--	--	--	--
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	0	--	0	--	--	--
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	0	11	0	0	0	10	0
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--	--
WCMW-02I	34.5 - 44.5	0	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	0	--	0	--	--	--
WCMW-03I	19.4 - 24.4	--	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
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	14	23	10
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	0	--	0	--	--	0
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--	--	0
WCMW-04S	1.5 - 11.5	--	33	0	15	16	12	0	10	40	0	16	0	0
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	0	--	--	0
WCMW-05S	1.4 - 11.4	--	0	0	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-06S	2.0 - 12.0	--	0	0	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-07S	2.76 - 12.76	--	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-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 6-3
 Summary of Historic Total BTEX Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Report
 Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total BTEX Groundwater Concentration (ug/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2006				2007				2008								
March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar										
WCMW-01D	64.0 - 72.0	0	--	--	--	0	--	0	2	0	0	0	2	0	2			
WCMW-01I	35.0 - 45.0	0	--	--	--	0	--	0	1	0	0	0	1	0	1			
WCMW-01S	2.0 - 12.0	0	0	23	0	0	0	13	9	2	0	23	3	0	23			
WCMW-02D	62.0 - 72.0	0	--	--	--	0	--	0	0	0	0	0	0	0	0			
WCMW-02I	34.5 - 44.5	0	--	--	--	0	--	0	0	0	0	0	0	0	0			
WCMW-02S	3.0 - 13.0	0	0	0	0	0	0	4	6	0	0	6	1	0	6			
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-03S	4.83 - 9.83	--	0	22	20	0	12	32	0	20	0	42	14	0	42			
WCMW-04I	19.0 - 24.0	--	--	--	0	--	--	0	0	0	0	0	0	0	0			
WCMW-04I2	29.85 - 34.85	--	--	--	0	--	--	0	0	0	0	0	0	0	0			
WCMW-04S	1.5 - 11.5	11	10	31	16	0	12	23	25	6	0	40	14	0	40			
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	0	0			
WCMW-05S	1.4 - 11.4	--	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			
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
WCMW-06S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	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-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	0	0	0	0	0			
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	0	0	0	0	0	0	0	0			
WCMW-08S	4.2 - 9.2	0	--	--	--	--	--	0	0	0	0	0	0	0	0			
WCMW-09S	5.0 - 15.0	0	0	0	--	--	--	0	0	0	0	0	0	0	0			
WCMW-10D	40.0 - 50.0	0	0	0	--	--	--	1	0	0	0	1	0	0	1			
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
WCMW-11D	50.0 - 60.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0			
WCMW-11I	25.0 - 35.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0			
WCMW-11S	5.0 - 15.0	80	--	148	--	--	--	--	--	--	80	148	114	80	148			
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0			

Table 6-3
Summary of Historic Total BTEX Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Report
Operable Unit No. 4 (OU-4)

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 6-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)												
		Sampling Date												
		2002		2003			2004			2005				
		June/July	Nov/Dec	Feb-Apr	Jul/Aug	Sept/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec
WCMW-01D	64.0 - 72.0	45	35	--	0	--	--	0	0	--	--	--	--	--
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--	--
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298	14
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--	--
WCMW-02I	34.5 - 44.5	0	4	0	0	0	--	0	0	--	--	--	--	--
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--	--
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1261	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-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800	376
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-04S	1.5 - 11.5	--	1,080	141	69	270	50	0	219	836	17	136	204	153
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-05S	1.4 - 11.4	--	0	31	0	0	0	10	0	14	12	--	--	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-06S	2.0 - 12.0	--	39	0	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-07S	2.76 - 12.76	--	0	0	0	56	--	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-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 6-4
 Summary of Historic Total PAH Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Well No.	Screen Interval (feet)	Total PAH Groundwater Concentrations (ug/L)														
		Sampling Date														
		2006				2007				2008		Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		March	June	Jul/Aug	Nov/Dec	March	May-July	Aug-Oct	Oct-Dec	Jan-Mar						
WCMW-01D	64.0 - 72.0	0	--	--	--	0	--	0	0	0	0	45	9	0	45	
WCMW-011	35.0 - 45.0	0	--	--	--	0	--	0	0	0	0	2	0	0	2	
WCMW-01S	2.0 - 12.0	0	10	340	130	78	291	203	345	47	0	756	152	0	756	
WCMW-02D	62.0 - 72.0	0	--	--	--	0	--	0	0	0	0	0	0	0	0	
WCMW-02I	34.5 - 44.5	0	--	--	--	0	--	0	0	0	0	4	0	0	4	
WCMW-02S	3.0 - 13.0	0	0	30	0	0	0	77	101	0	0	125	31	0	125	
WCMW-03I	19.4 - 24.4	--	1,770	--	--	--	--	255	315	939	255	1,770	1,051	255	1,770	
WCMW-03I2	28.55 - 33.55	--	83	--	--	--	--	5	37	6	5	402	176	5	402	
WCMW-03S	4.83 - 9.83	--	242	339	233	198	240	305	44	122	34	800	300	34	800	
WCMW-04I	19.0 - 24.0	--	--	--	144	--	--	142	94	70	0	221	122	0	221	
WCMW-04I2	29.85 - 34.85	--	--	--	0	--	--	0	0	0	0	95	10	0	95	
WCMW-04S	1.5 - 11.5	116	57	264	445	95	214	194	326	186	0	1,080	244	0	1,080	
WCMW-05I	19.61 - 24.61	--	286	--	--	--	--	242	287	162	156	338	265	156	338	
WCMW-05I2	29.46 - 34.46	--	0	--	--	--	--	7	31	0	0	214	22	0	214	
WCMW-05S	1.4 - 11.4	--	0	--	--	0	0	3	3	5	0	31	5	0	31	
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	52	0	0	0	52	6	0	52	
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	0	11	0	0	11	2	0	11	
WCMW-06S	2.0 - 12.0	--	--	--	--	0	0	1	0	0	0	39	4	0	39	
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	0	0	0	0	0	
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	0	0	0	0	0	
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	0	56	11	0	56	
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	0	0	0	0	0	0	0	0	
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	0	0	0	0	0	0	0	0	
WCMW-08S	4.2 - 9.2	0	--	--	--	--	--	0	0	0	0	0	0	0	0	
WCMW-09S	5.0 - 15.0	0	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	0	0	
WCMW-10S	15.0 - 20.0	0	0	21	0	0	0	0	0	0	0	21	3	0	21	
WCMW-11D	50.0 - 60.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-11I	25.0 - 35.0	0	--	0	--	--	--	--	--	--	0	0	0	0	0	
WCMW-11S	5.0 - 15.0	1,037	--	590	--	--	--	--	--	--	590	1,037	814	590	1,037	
WCMW-12D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	2	--	--	--	2	2	
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	16	--	--	--	16	16	
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	0	--	--	--	0	0	
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	4	--	--	--	4	4	

Table 6-4
Summary of Historic Total PAH Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

NOTES:

-- = Not Analyzed/Applicable

ug/L - Micrograms per liter

Historic Minimum, Maximum and Mean calculations do not include data from the current quarter.

During the First and Second Quarter 2003 sampling events, select wells were sampled via bladder pump and peristaltic pump.

Peristaltic pump results are shown on this table.

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:		OU4 WCMW-01D 64-74 ft 3/11/2008	OU4 WCMW-01I 35-45 ft 3/11/2008	OU4 WCMW-01S 2-12 ft 3/11/2008	OU4 WCMW-02D 62-72 ft 3/12/2008	OU4 WCMW-02I 34.5-44.5 ft 3/11/2008	OU4 WCMW-02S 3-13 ft 3/11/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	2 J	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	2	ND	ND	ND
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	10 U	4 J
Naphthalene	10*	10 U	10 U	15	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	2 J	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	10 U	10 U	4 J	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcin PAHs (ug/L)							
Acenaphthene	20*	10 U	10 U	27	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	12	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	2 J	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	4 J	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	2 J	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic	NE	ND	ND	47	ND	ND	ND
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	ND	ND	47	ND	ND	ND

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU4 WCMW-031 19.4-24.4 ft 3/6/2008	OU4 WCMW-0312 28.55-33.55 ft 3/6/2008	OU4 WCMW-03S 4.83-9.83 ft 3/6/2008	OU4 WCMW-04I 19-24 ft 3/7/2008	OU4 WCMW-04I2 19-24 ft 3/7/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	6	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	5 J	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	3 J	10 U	10 U
Xylene, o-	NE	10 U	10 U	6	10 U	10 U
Xylene, total	5	10 U	10 U	9	10 U	10 U
Total BTEX	NE	ND	ND	20	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	2 J	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	2 J	10 U	10 U
Methyl tert-butyl ether	NE	10 U	1 J	1 J	10 U	1 J
Naphthalene	10*	380	4 J	36	2 J	2 J
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	3 J	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10	10 U	24	10 U	10 U
Trimethylbenzene, 1,2,4-	5	21	10 U	23	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	10 U	10 U
Non-carcin PAHs (ug/L)						
Acenaphthene	20*	30	10 U	73	10	10 U
Acenaphthylene	NE	230	10 U	10 U	27	10 U
Anthracene	50*	9	10 U	4 J	4 J	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	2 J	2 J	2 J	10 U	10 U
Fluorene	50*	61	10 U	17	7	10 U
Methylnaphthalene,2-	NE	510	10 U	10 U	10 U	10 U
Naphthalene	10*	41	10 U	14	2 J	10 U
Phenanthrene	50*	53	10 U	10	20	10 U
Pyrene	50*	3 J	4 J	2 J	10 U	10 U
Total Noncarcinogenic	NE	939	6	122	70	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	939	6	122	70	ND

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU4 WCMW-04S 1.5-11.5 ft 3/7/2008	OU4 WCMW-05I 19.61-24.61 ft 3/10/2008	OU4 WCMW-05I2 19.61-24.61 ft 3/10/2008	OU4 WCMW-05S 1.4-11.4 ft 3/10/2008	OU4 WCMW-06I 19.55-24.55 ft 3/12/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	4 J	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	2 J	10 U	10 U	10 U	10 U
Xylene, total	5	2	10 U	10 U	10 U	10 U
Total BTEX	NE	6	ND	ND	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	71	2 J	1 J	5
Naphthalene	10*	87	44	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	8 J	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	13	3 J	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Vinyl chloride	2	10 U	10 U	10 U	10 U	10 UJ
Non-carcin PAHs (ug/L)						
Acenaphthene	20*	69	12	10 U	5	10 U
Acenaphthylene	NE	2 J	50	10 U	10 U	10 U
Anthracene	50*	6	7	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	2 J	10 U	10 U	10 U
Fluorene	50*	24	7	10 U	10 U	10 U
Methylnaphthalene,2-	NE	14	49	10 U	10 U	10 UJ
Naphthalene	10*	44	2 J	10 U	10 U	10 U
Phenanthrene	50*	26	30	10 U	10 U	10 U
Pyrene	50*	1 J	3 J	10 U	10 U	10 U
Total Noncarcinogenic	NE	186	162	ND	5	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	186	162	ND	5	ND

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU4 WCMW-06I2 29.83-34.83 ft 3/12/2008	OU4 WCMW-06S 2-12 ft 3/12/2008	OU4 WCMW-08I 19.2-24.2 ft 3/4/2008	OU4 WCMW-08I2 19.2-24.2 ft 3/4/2008	OU4 WCMW-08S 4.2-19.2 ft 3/6/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	5	10	10 U	1 J	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcin PAHs (ug/L)						
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 UJ	10 UJ	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic	NE	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	ND	ND	ND	ND	ND

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU4 WCMW-09 5-15 ft 3/10/2008	OU4 WCMW-10D 40-50 ft 3/12/2008	OU4 WCMW-10S 15-20 ft 3/10/2008	OU4 WCMW-12D 67-72 ft 3/13/2008	OU4 WCMW-12I 25-30 ft 3/13/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	2 J	2 J
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 U	10 U	10 U	10 U	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	2 J	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	10 U	10 U	10 U	10 U	1 J
Naphthalene	10*	10 U	10 U	10 U	8	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 U	10 UJ	10 U	10 UJ	10 U
Non-carcin PAHs (ug/L)						
Acenaphthene	20*	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 UJ	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic	NE	ND	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	ND	ND	ND	ND	ND

Table 6-5
 Summary of Expanded Groundwater Analytical Results
 Bay Shore/Brightwaters Former MGP Site
 Operations, Maintenance and Monitoring Program
 Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:	NYSDEC SCG	OU4 WCMW-12S 3-13 ft 3/13/2008	OU4 WCMW-13D 65-70 ft 3/12/2008	OU4 WCMW-13I 25-30 ft 3/12/2008	OU4 WCMW-13S 3-13 ft 3/12/2008	OU4 WCMW-14D 67-72 ft 3/13/2008
BTEX (ug/L)						
Benzene	1	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND
Other VOCs (ug/L)						
Acetone	50*	10 U	10 U	10 U	10 U	4 J
Butanone,2-	50*	10 U	10 U	2 J	10 U	5 J
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U
Cyclohexane	NE	10 UJ	10 U	10 U	10 U	10 U
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	10 U	1 J	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 UJ	10 U	10 U	10 U	10 U
Hexane, n-	NE	10 UJ	10 U	10 U	10 U	10 U
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	7	10 U	10 U	12	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,2,4-	5	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 UJ	10 U	10 U	10 U	10 U
Vinyl chloride	2	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Non-carcin PAHs (ug/L)						
Acenaphthene	20*	2 J	10 U	10 U	10 U	10 U
Acenaphthylene	NE	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	10 U	10 U	10 U
Total Noncarcinogenic	NE	2	ND	ND	ND	ND
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND
Total PAHs (ug/L)						
Total PAHs	NE	2	ND	ND	ND	ND

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

Operable Unit: Well ID: Screened Interval (Feet): Date Sampled:		OU4 WCMW-141 20-25 ft 3/13/2008	OU4 WCMW-1412 30-35 ft 3/14/2008	OU4 WCMW-14S 2-12 ft 3/13/2008	OU4 WCMW-16I 20-25 ft 3/13/2008	OU4 WCMW-16I2 30-35 ft 3/13/2008	OU4 WCMW-16S 2-12 ft 3/13/2008
BTEX (ug/L)							
Benzene	1	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, m,p-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, o-	NE	10 U	10 U	10 U	10 U	10 U	10 U
Xylene, total	5	10 U	10 U	10 U	10 U	10 U	10 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)							
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U
Butanone,2-	50*	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	2 J
Cyclohexane	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Dichlorobenzene,1,2-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,3-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorobenzene,1,4-	3	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	NE	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Dichloroethane,1,1-	5	10 U	1 J	10 U	10 U	10 U	10 U
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	10 U	10 U	10 U
Dichloroethene,1,1-	5	10 U	10 U	10 U	10 U	10 U	10 U
Heptane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Hexane, n-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Isopropyl benzene	5	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	NE	3 J	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	160	5 J	10 U	10 U	10 U	10 U
Propylbenzene, n-	5	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene, 1,3,5-/P-	NE	3 J	10 U	10 U	10 U	10 U	10 U
Trimethylbenzene,1,2,4-	5	11	10 U	10 U	10 U	10 U	10 U
Trimethylpentane, 2,2,4-	NE	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
Vinyl chloride	2	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Non-carcin PAHs (ug/L)							
Acenaphthene	20*	8	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NE	6	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	NE	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50*	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50*	2 J	10 U	10 U	10 U	10 U	4 J
Total Noncarcinogenic	NE	16	ND	ND	ND	ND	4
Carcinogenic PAHs (ug/L)							
Benz[a]anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	NE	ND	ND	ND	ND	ND	ND
Total PAHs (ug/L)							
Total PAHs	NE	16	ND	ND	ND	ND	4

Table 6-5
Summary of Expanded Groundwater Analytical Results
Bay Shore/Brightwaters Former MGP Site
Operations, Maintenance and Monitoring Program
Operable Unit No. 4 (OU-4)

NOTES:

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

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

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

NYSDEC SCG - New York State Department of Environmental Conservation Standards, Criteria and Guidance

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

NA - not analyzed

NE - not established

Bolding indicates the compound was detected

Shading indicates an exceedance of established NYSDEC SCGs

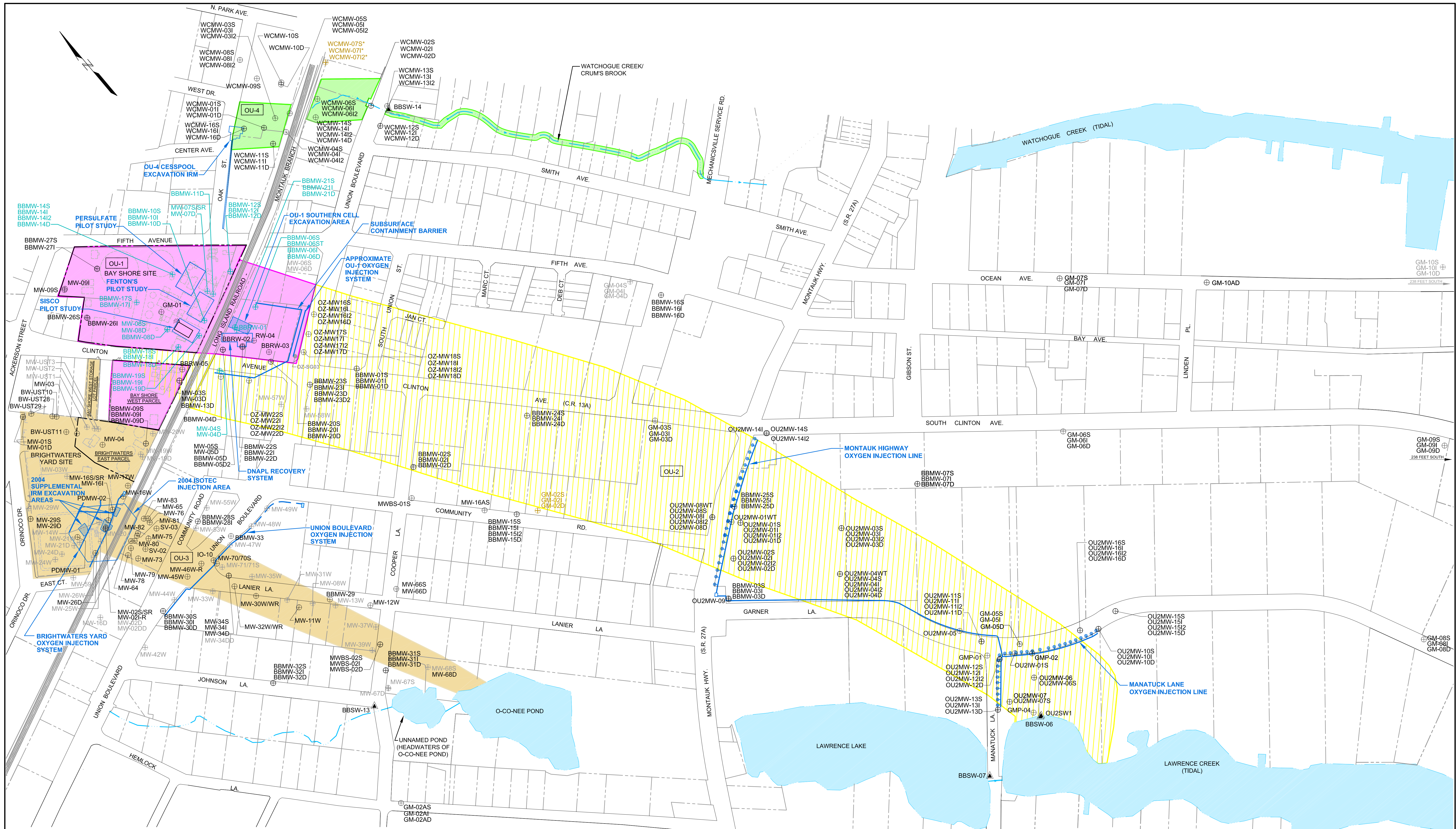
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

J - estimated value

U - indicates not detected at or above the reporting limit shown

bgs - below ground surface

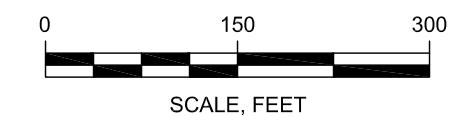
Figures



- 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.

- LEGEND:**
- ⊕ GM-02AS ACTIVE MONITORING WELL LOCATION
 - ⊕ MW-67D DESTROYED MONITORING WELL LOCATION
 - ⊕ BMW-21S ABANDONED MONITORING WELL LOCATION
 - ⊕ GM-02S ACTIVE BUT UNAVAILABLE FOR SAMPLING MONITORING WELL LOCATION
 - ⊕ WCMW-07S* CONDITION UNKNOWN
 - ▲ BBSW-06 SURFACE WATER GAUGING STATION LOCATION

- ⊕ OU2MW-01S EXISTING MONITORING WELL CLUSTER LOCATION
- S=SHALLOW
- I=INTERMEDIATE
- I2= INTERMEDIATE TWO
- D=DEEP



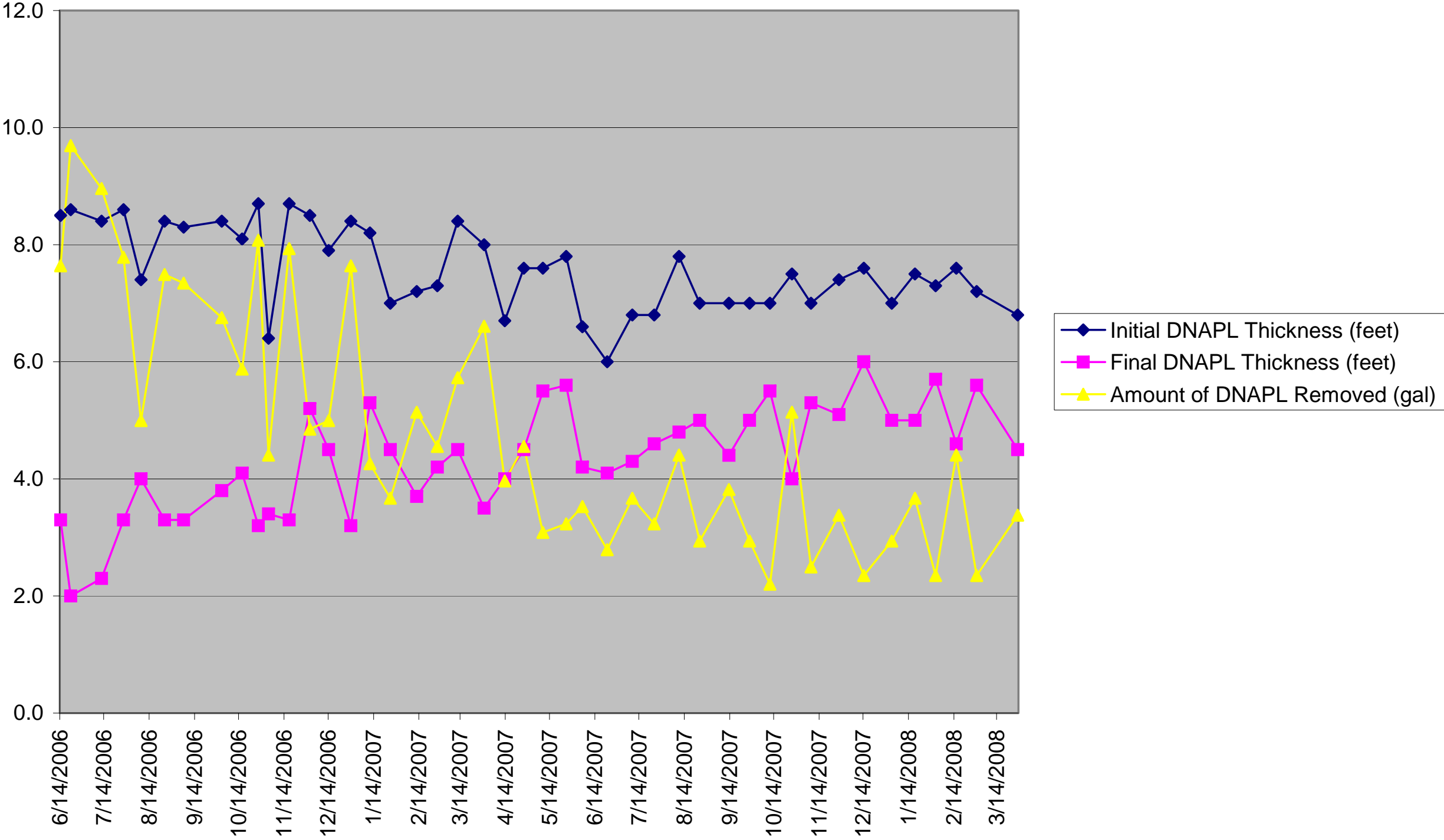
BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK
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PROJECT 061140-8-1707



MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP

\\GEN\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\Figs\Bay-wells PLATE 6-08.dwg Jun 18, 2008

DNAPL Recovery Data BBRW-02



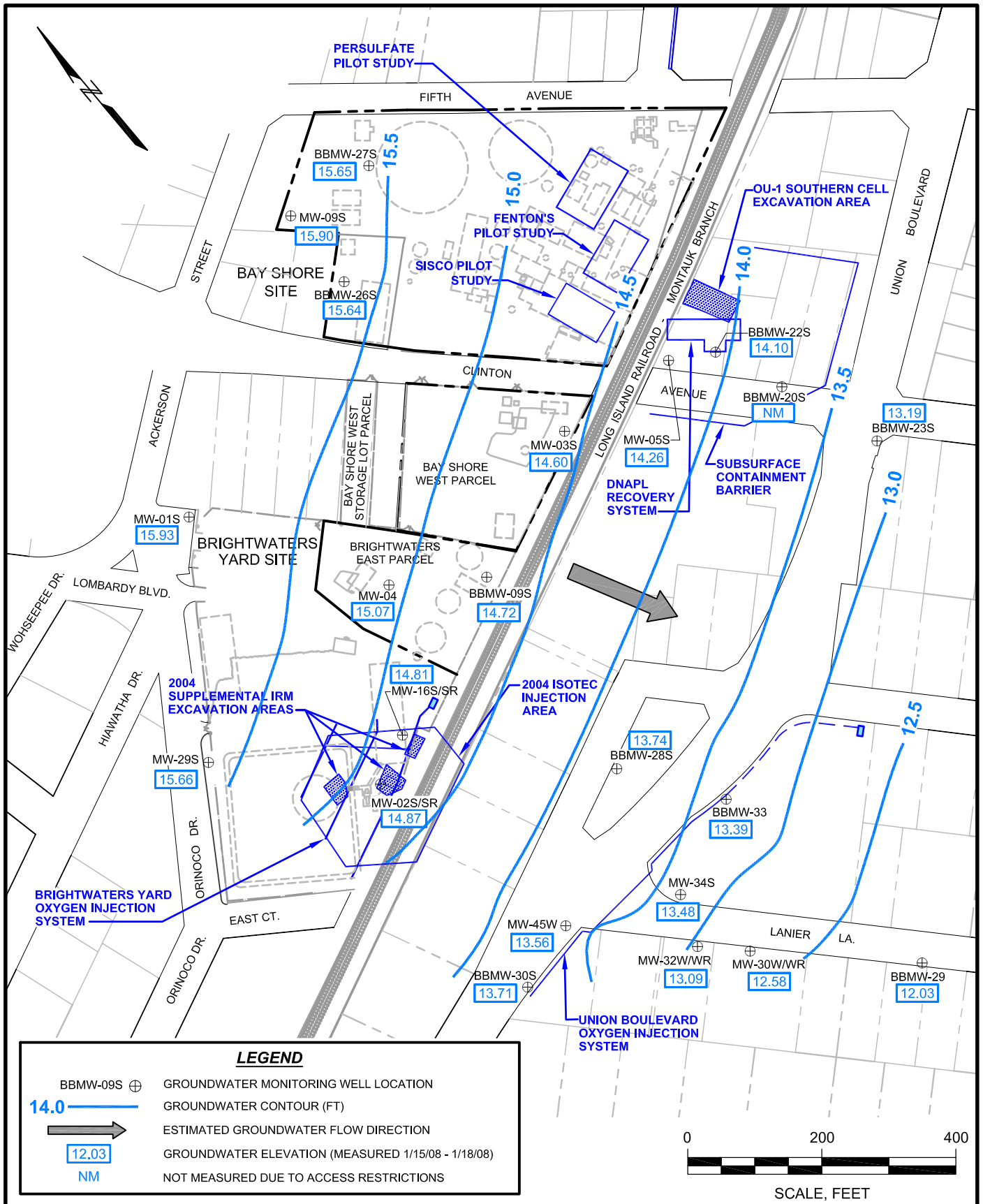
BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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Project 061140-8-1707

**DNAPL RECOVERY DATA
BBRW-02**

June 2008 Figure 2



BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

nationalgrid

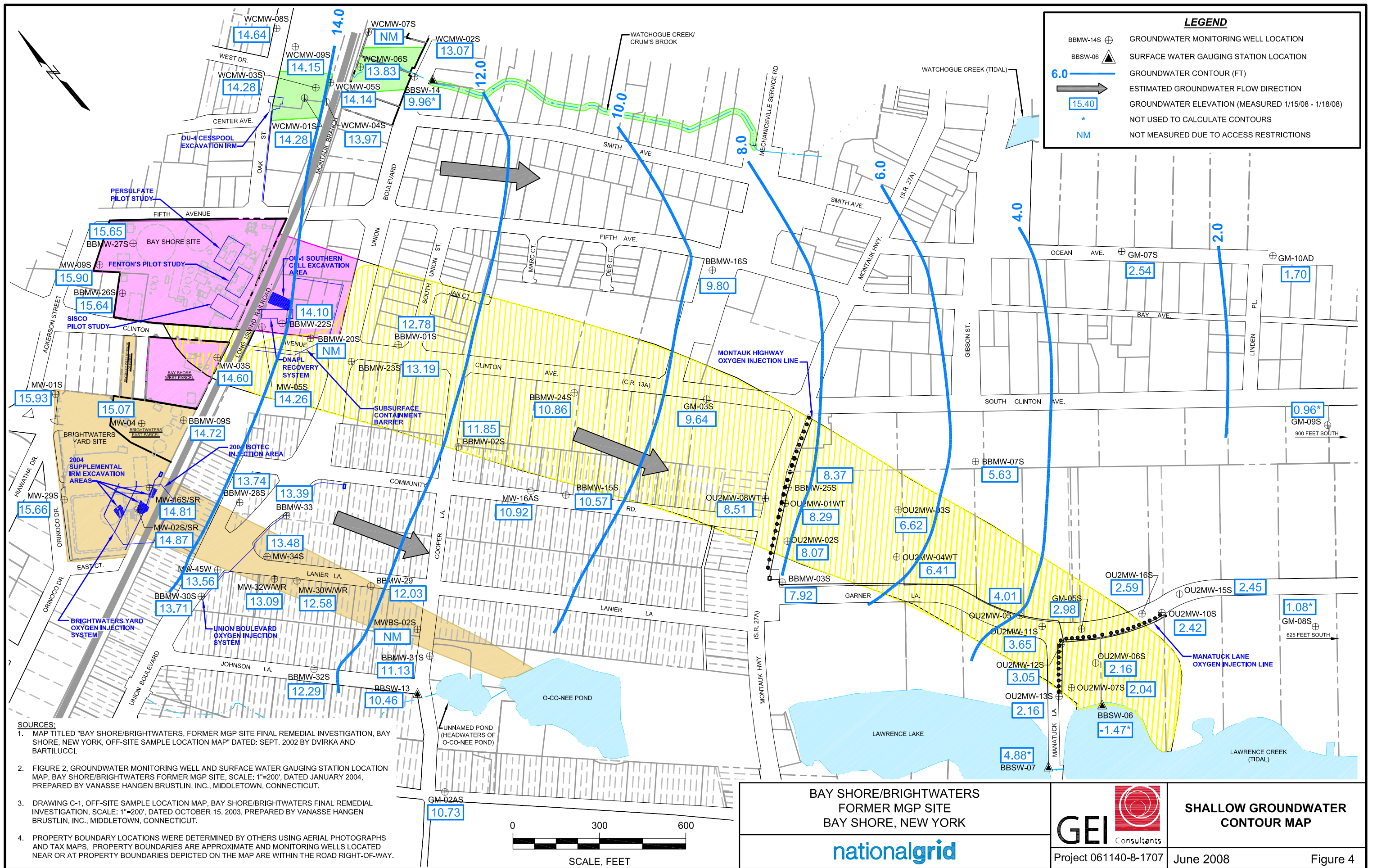


Project 061140-8-1707

**ON-SITE
SHALLOW GROUNDWATER
CONTOUR MAP**

June 2008

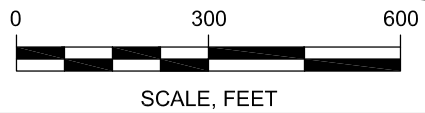
Figure 3



LEGEND

- BBMW-14S ⊕ GROUNDWATER MONITORING WELL LOCATION
- BBSW-06 ▲ SURFACE WATER GAUGING STATION LOCATION
- 6.0 — GROUNDWATER CONTOUR (FT)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- 15.40 GROUNDWATER ELEVATION (MEASURED 1/15/08 - 1/18/08)
- * NOT USED TO CALCULATE CONTOURS
- NM NOT MEASURED DUE TO ACCESS RESTRICTIONS

- 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

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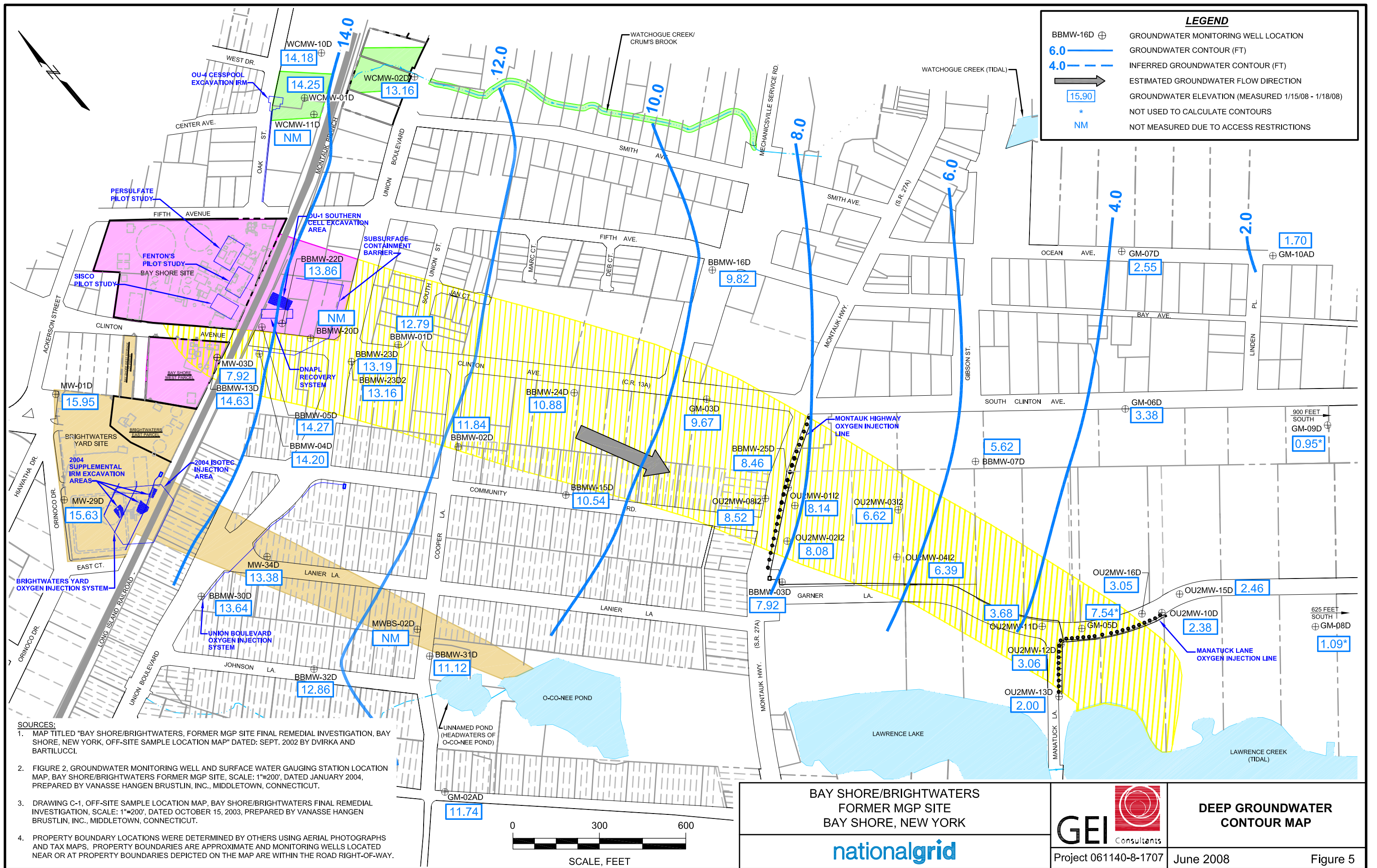
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**SHALLOW GROUNDWATER
CONTOUR MAP**

June 2008

Figure 4



LEGEND

- BMW-16D ⊕ GROUNDWATER MONITORING WELL LOCATION
- 6.0 — GROUNDWATER CONTOUR (FT)
- 4.0 - - - INFERRED GROUNDWATER CONTOUR (FT)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- 15.90 GROUNDWATER ELEVATION (MEASURED 1/15/08 - 1/18/08)
- * NOT USED TO CALCULATE CONTOURS
- NM NOT MEASURED DUE TO ACCESS RESTRICTIONS

- 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

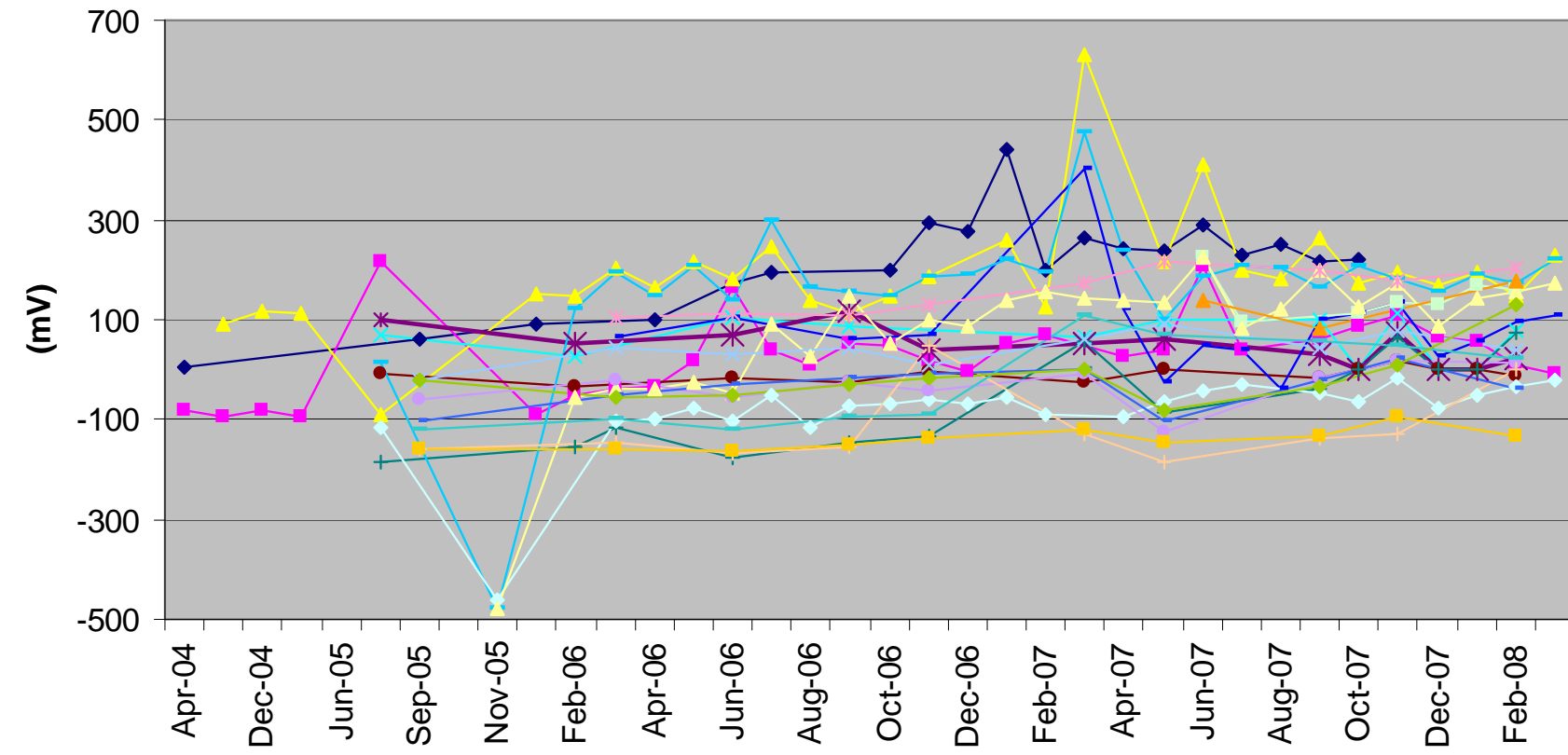
Project 061140-8-1707

**DEEP GROUNDWATER
CONTOUR MAP**

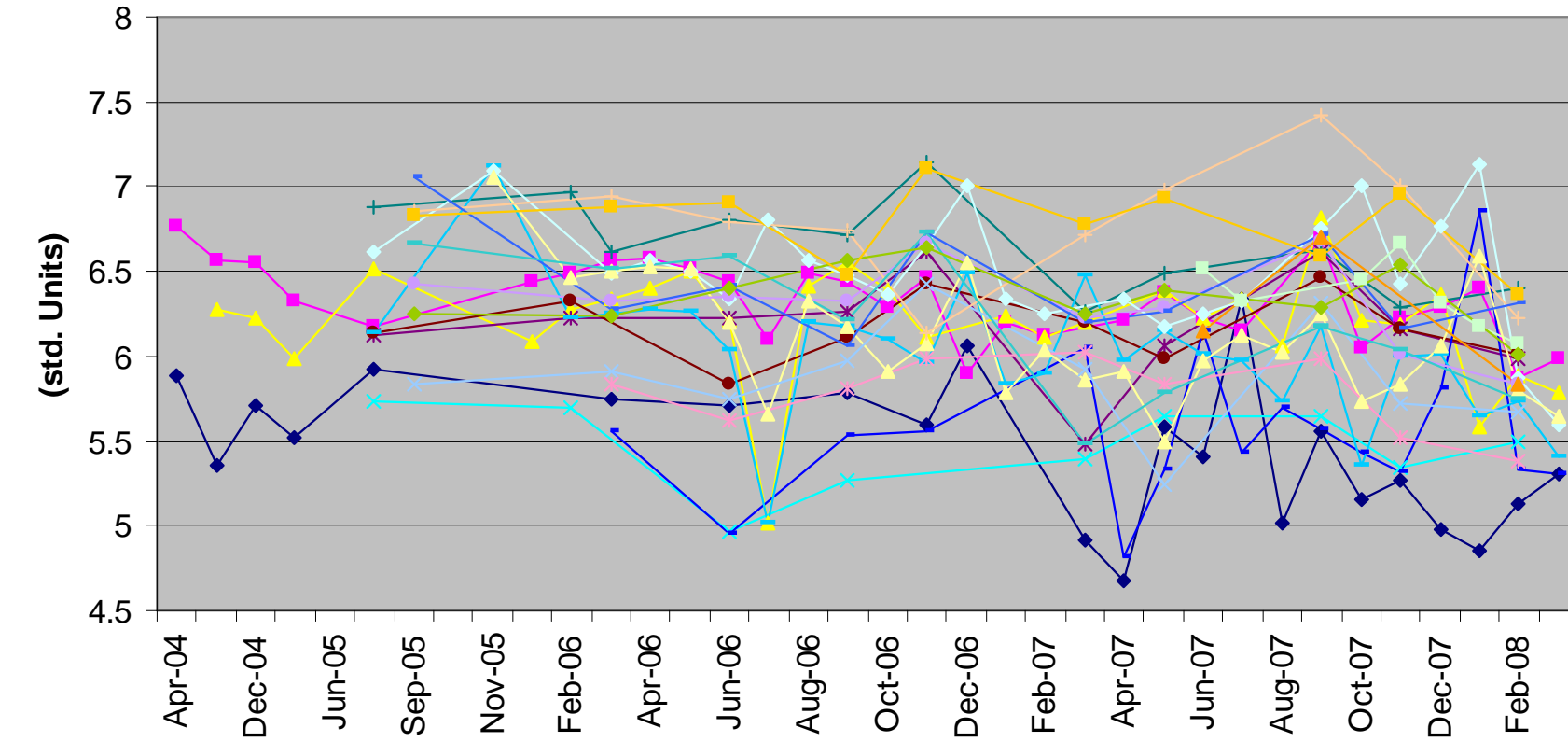
June 2008

Figure 5

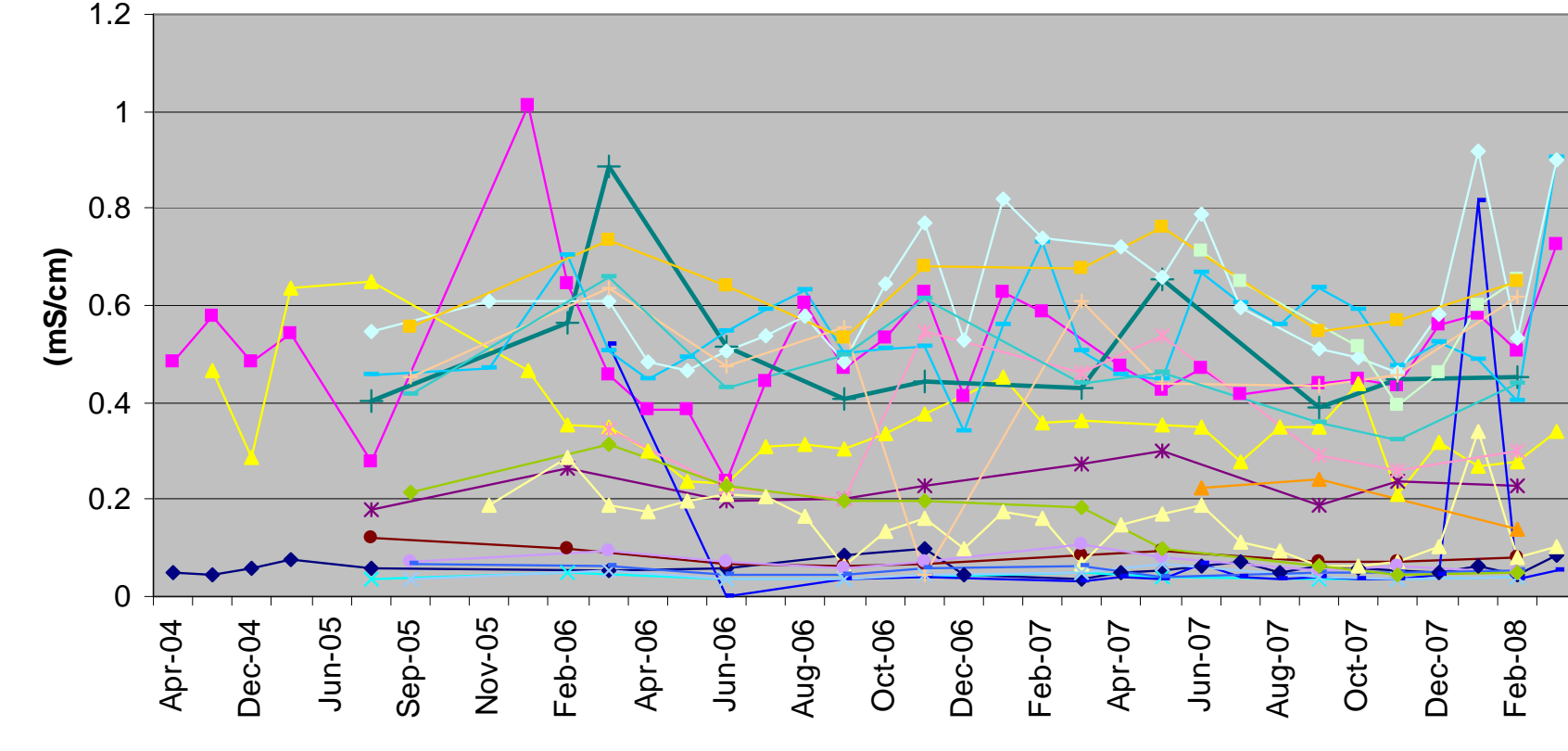
Oxidation Reduction Potential (mV)
Garner Lane Oxygen Injection System
Montauk Highway Injection Line



pH (std. Units)
Garner Lane Oxygen Injection System
Montauk Highway Injection Line

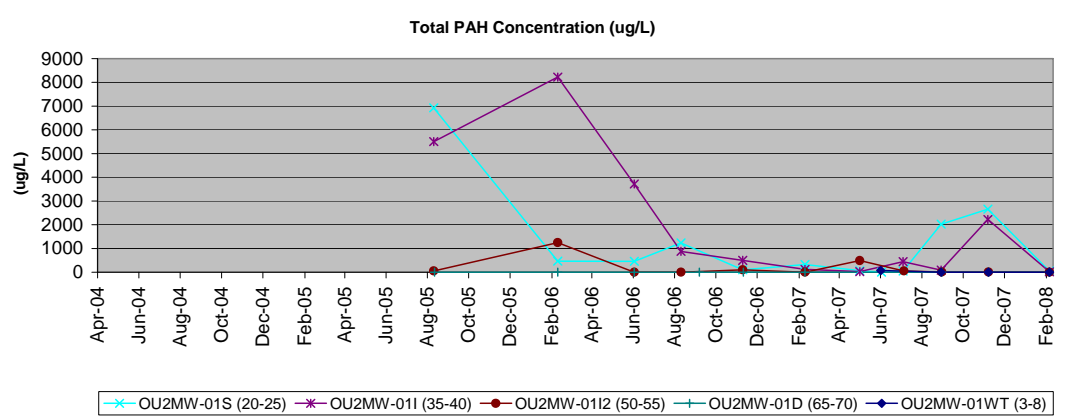
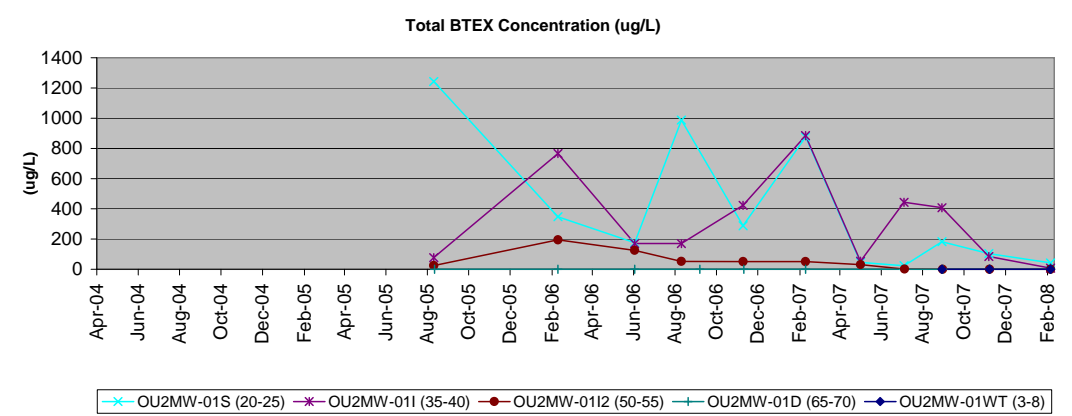
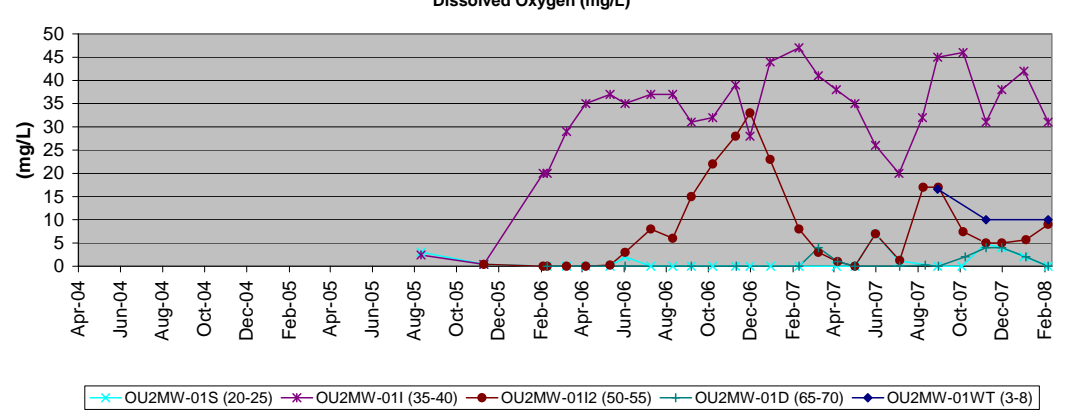


Conductivity (mS/cm)
Garner Lane Oxygen Injection System
Montauk Highway Injection Line

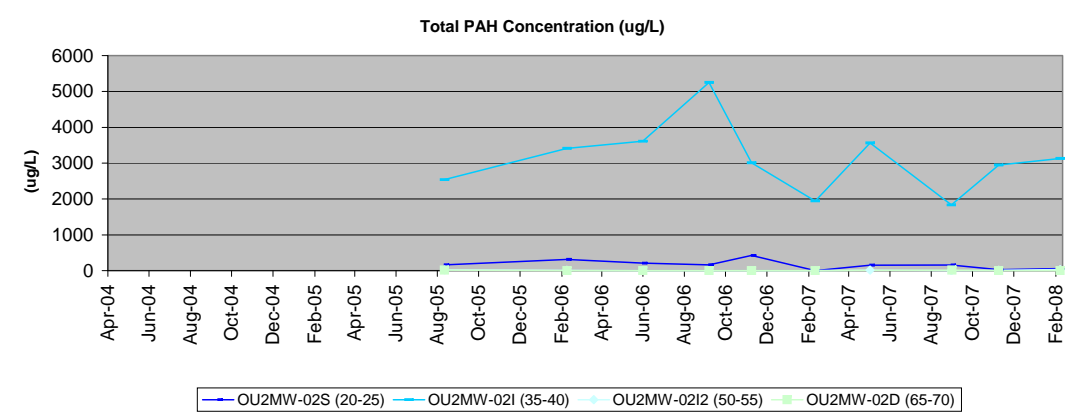
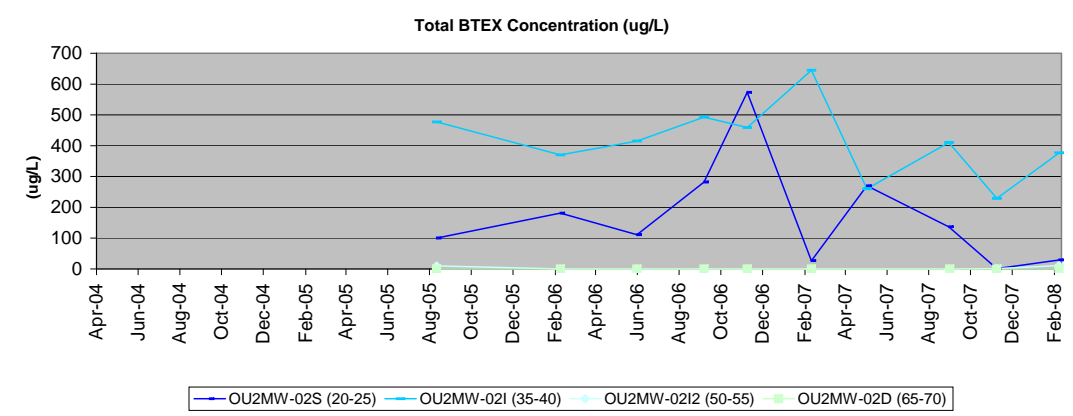
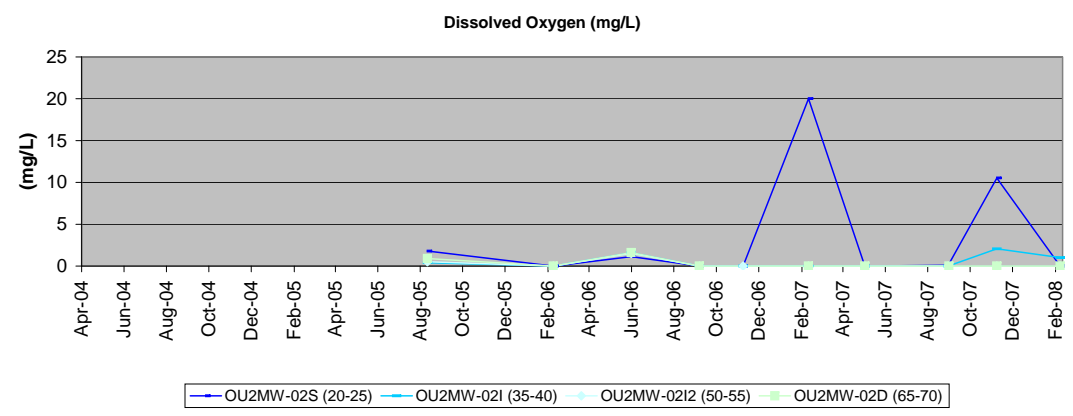


- BMW-25D
- BMW-25I
- BMW-25S
- OU2MW-02D
- OU2MW-02I
- OU2MW-02S
- OU2MW-01D
- OU2MW-01I
- OU2MW-01S
- OU2MW-01WT
- OU2MW-012
- OU2MW-03D
- OU2MW-03I
- OU2MW-032
- OU2MW-03S
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- OU2MW-04S
- OU2MW-04WT

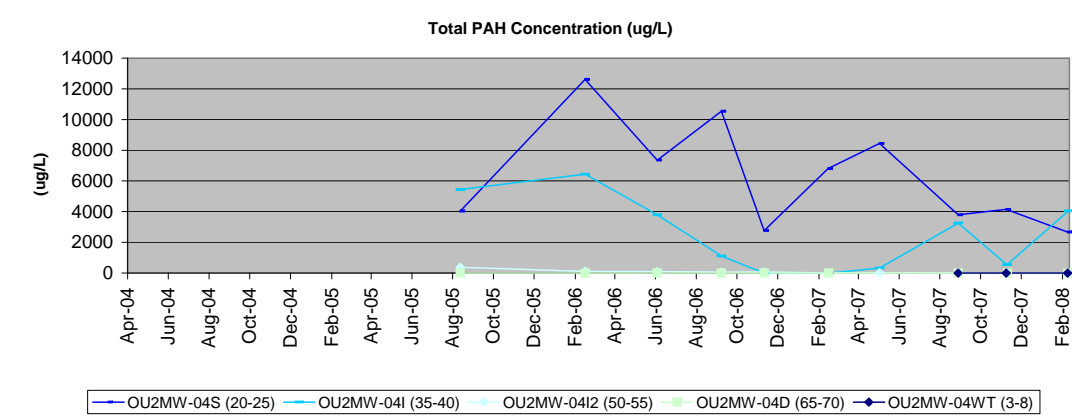
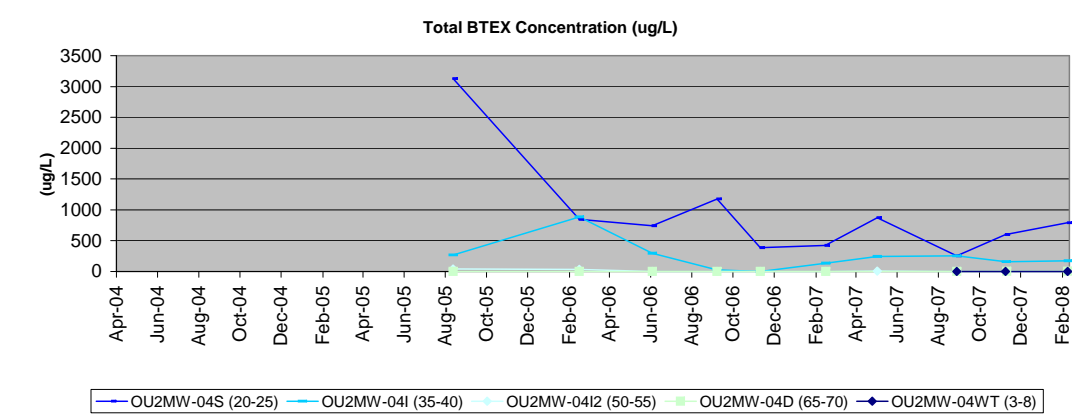
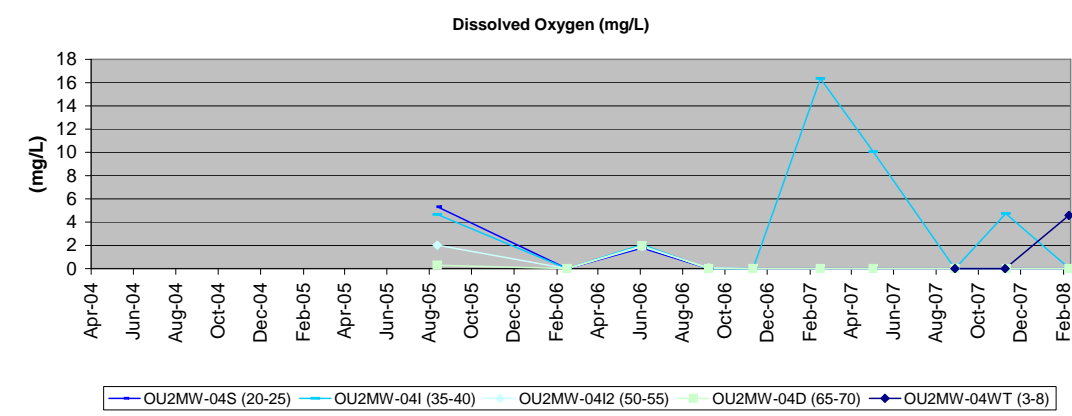
OU2MW-01



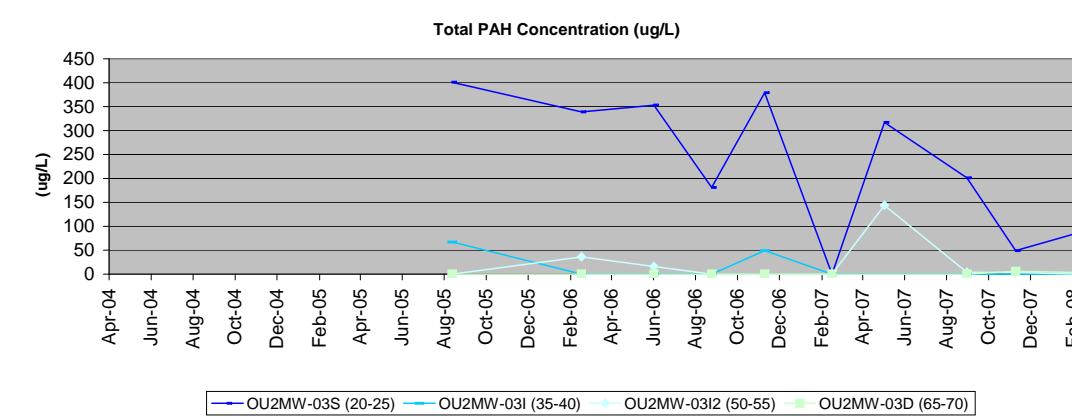
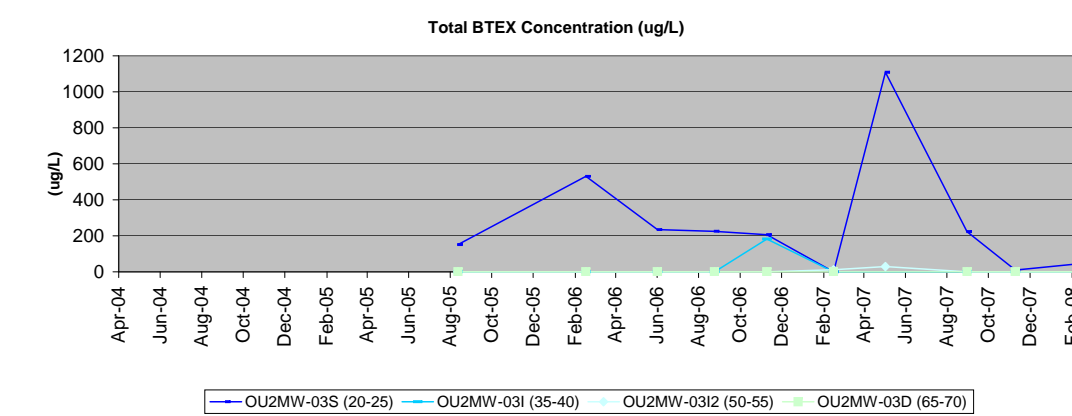
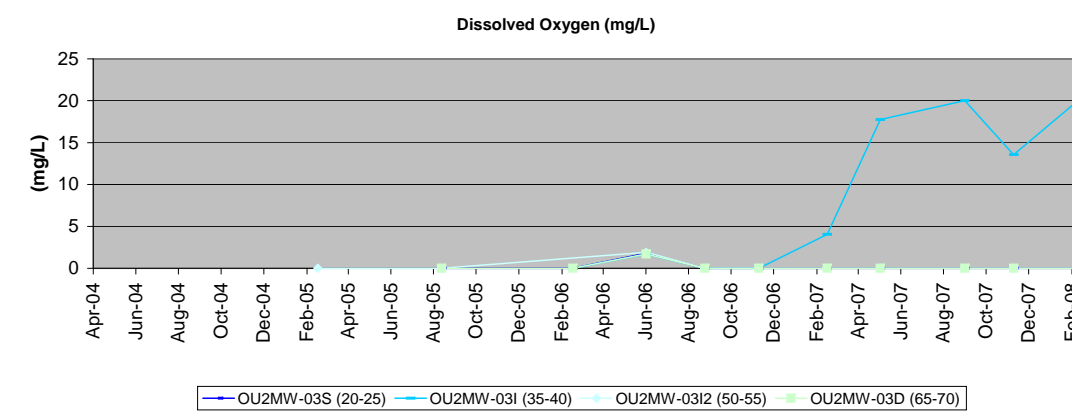
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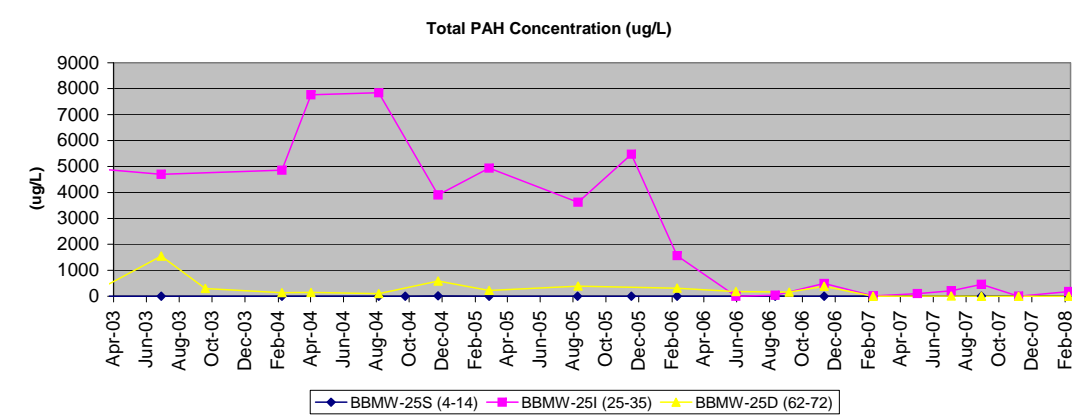
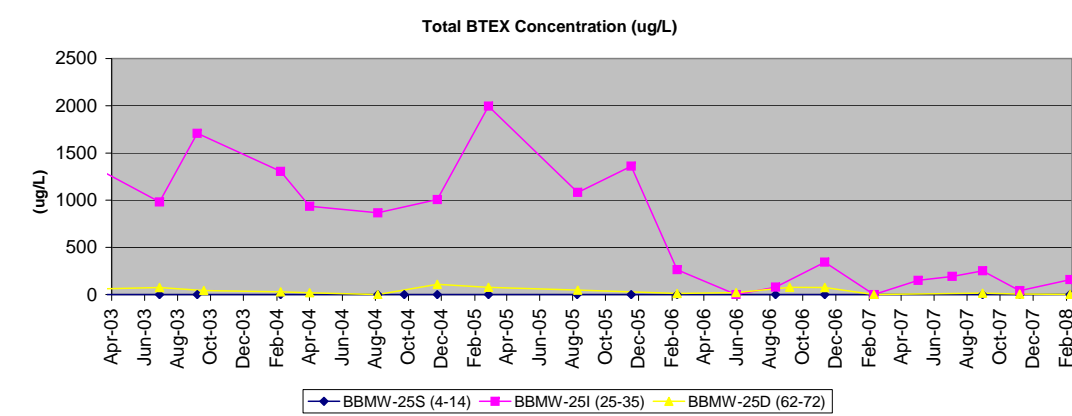
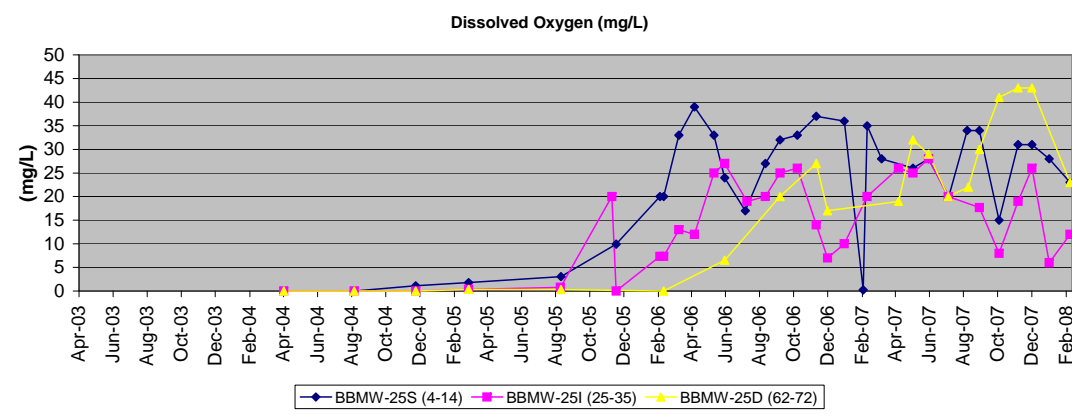
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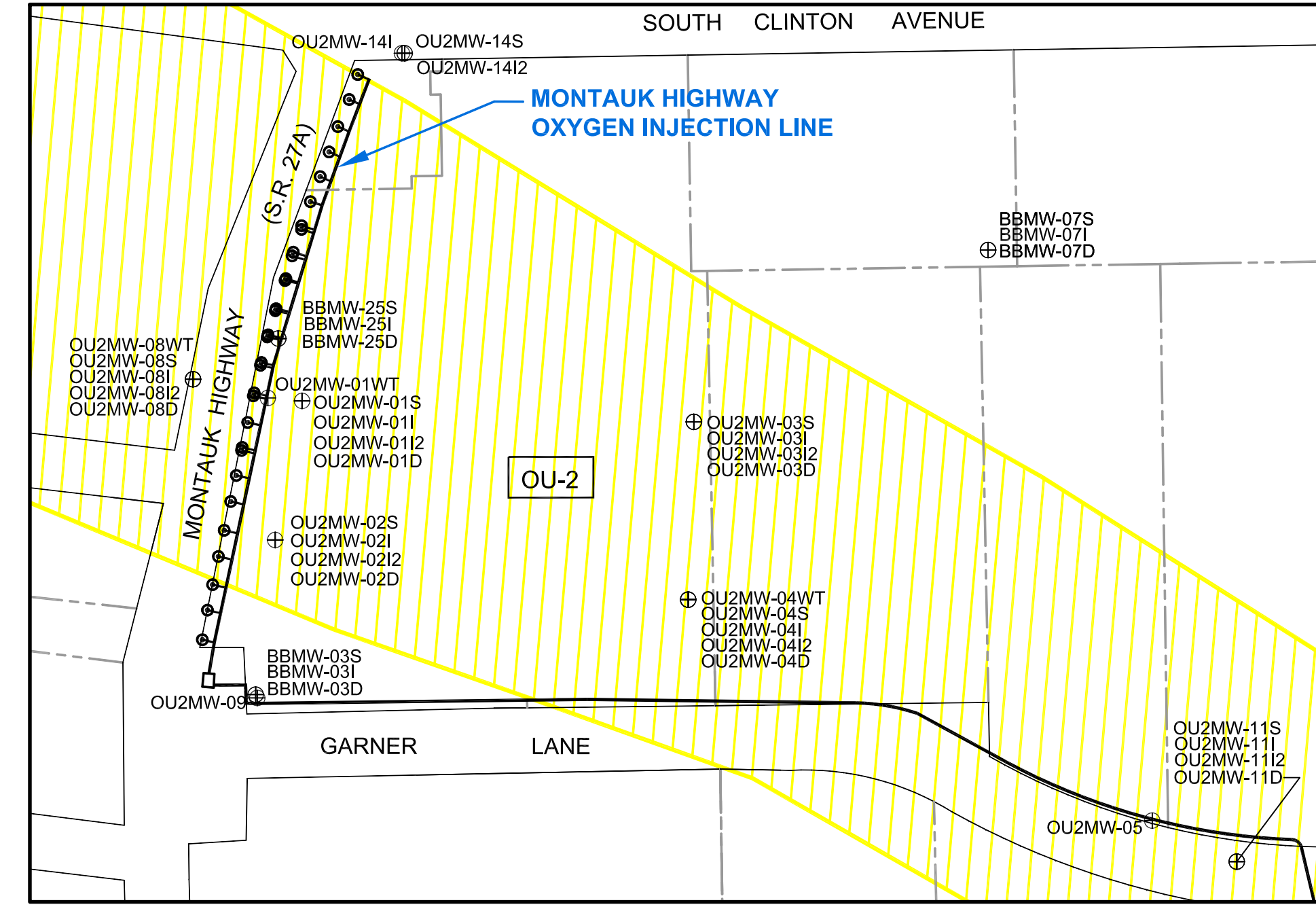
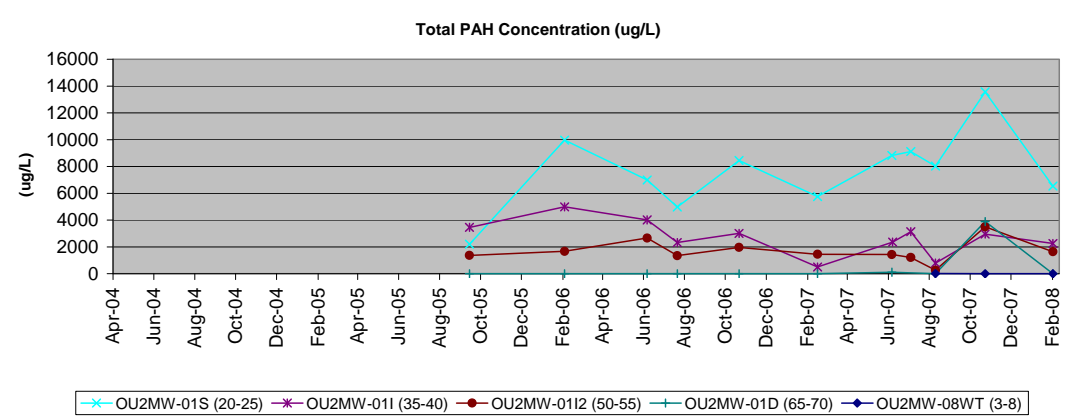
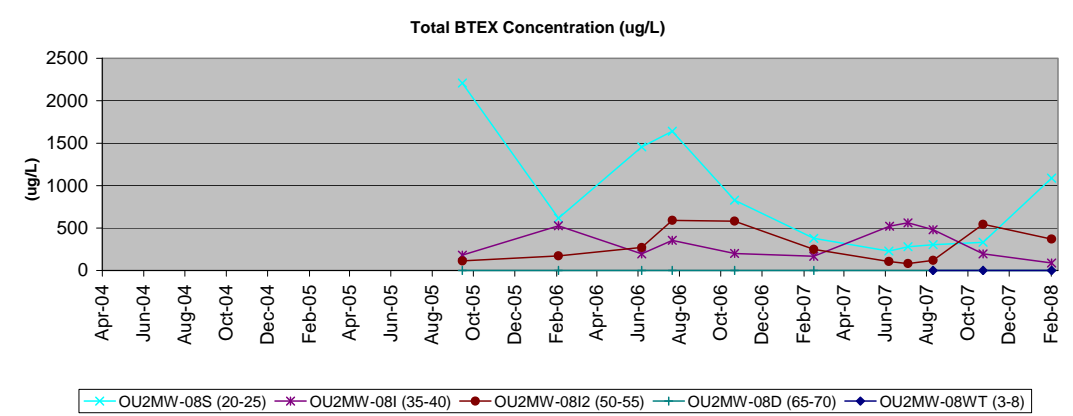
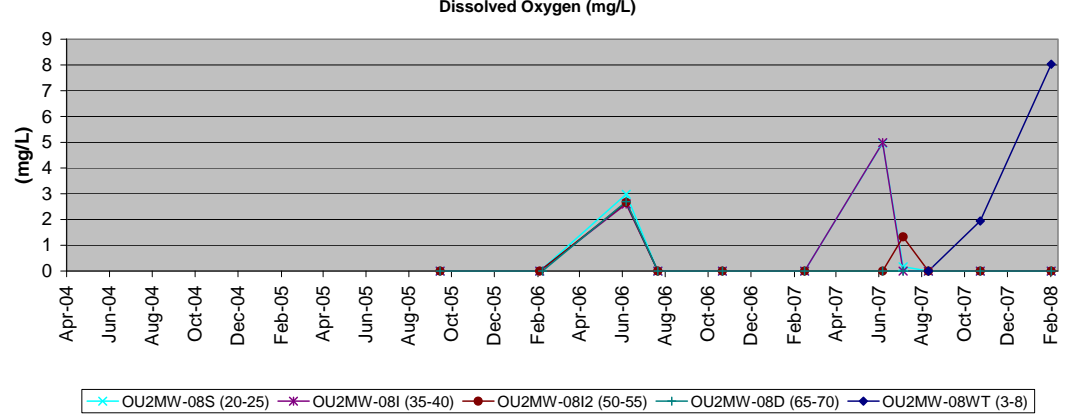
OU2MW-03



BMW-25



OU2MW-08



LEGEND:

- ⊕ OU2MW-08 ACTIVE MONITORING WELL LOCATION
- WT,S,I,I2,D WATER TABLE, SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

0 120 240
SCALE, FEET

- SOURCES:**
1. M&S TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVRKA 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

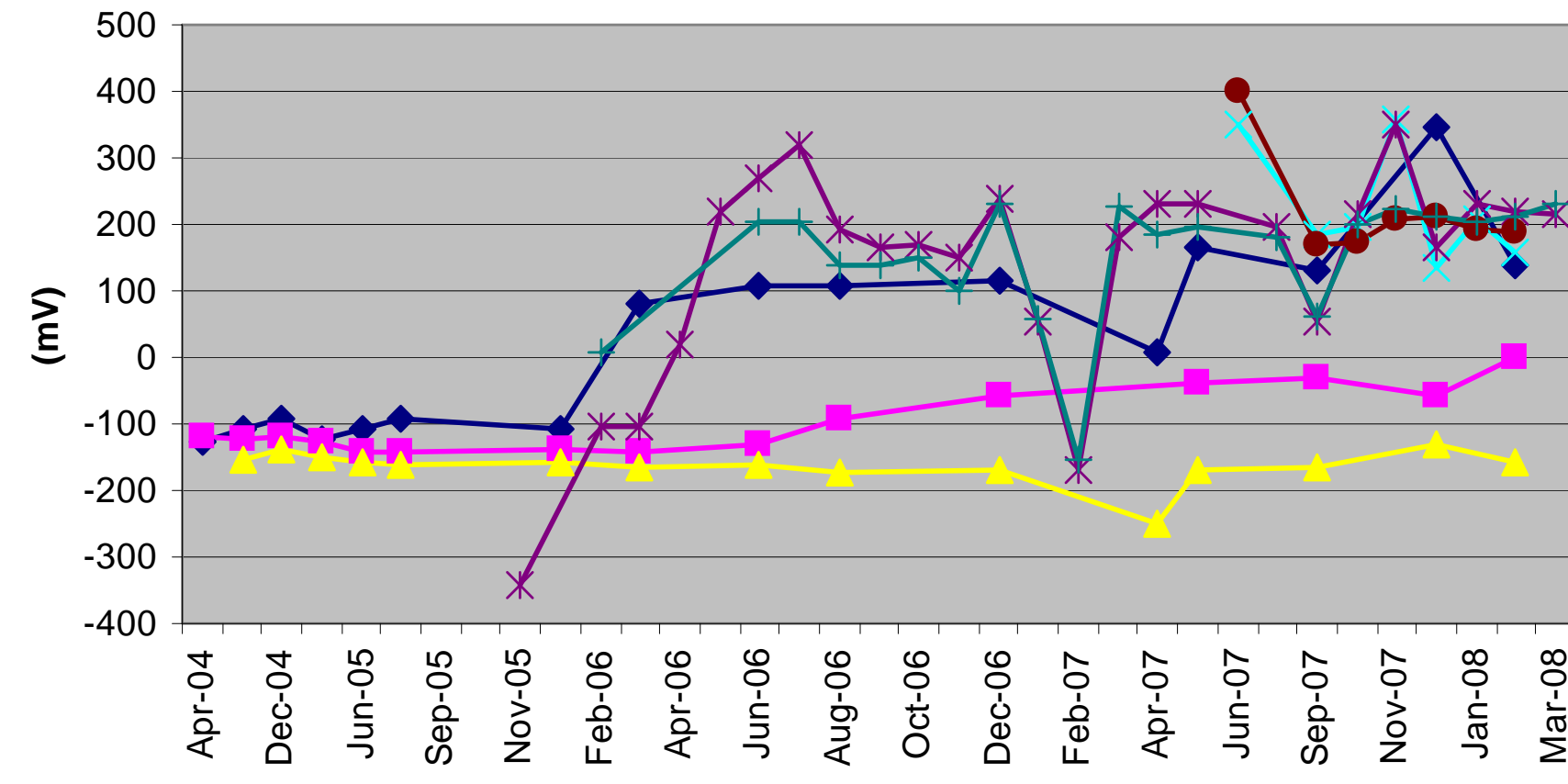
nationalgrid

PROJECT 061140-8-1707

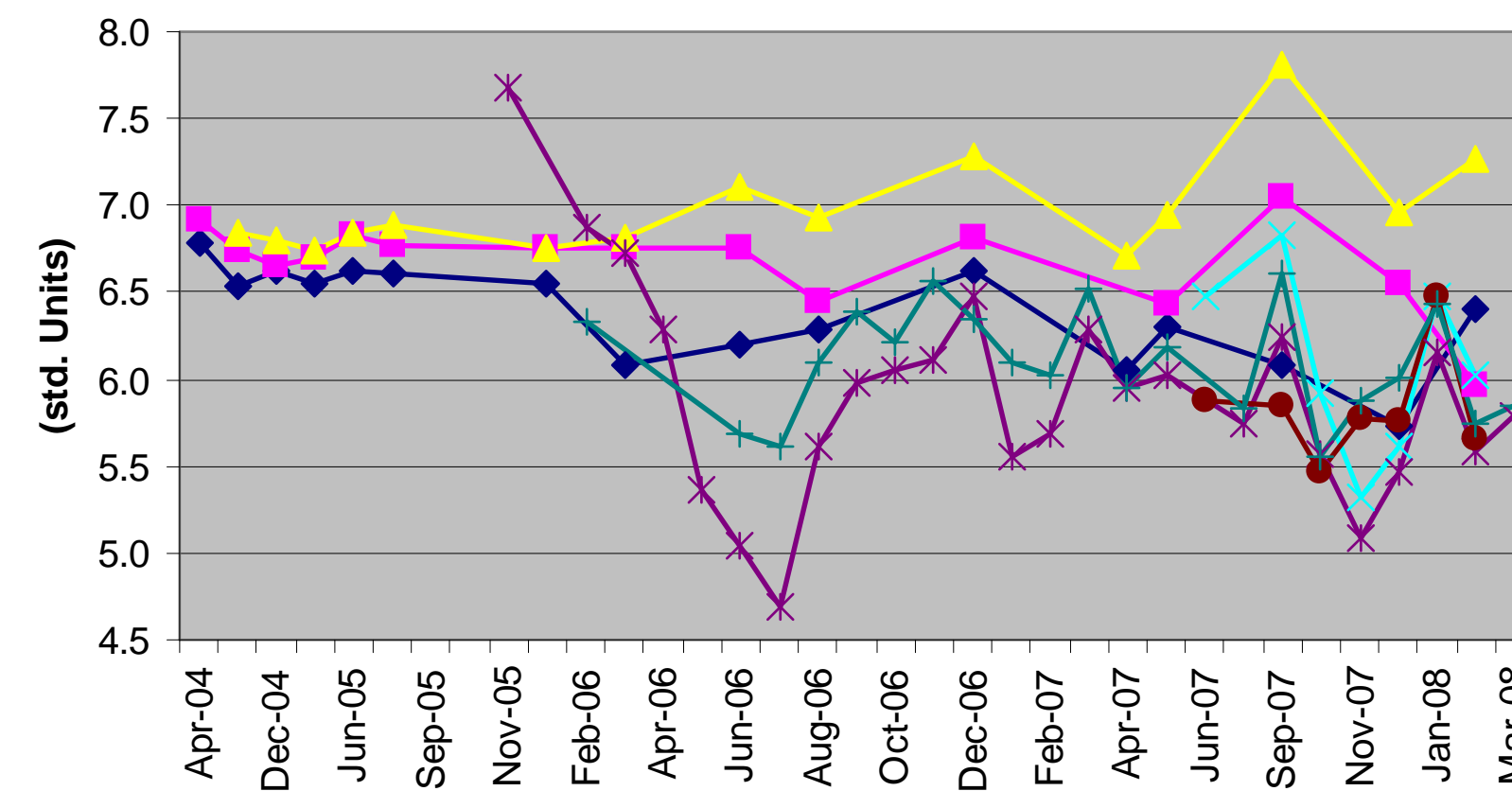
GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

**MONTAUK HIGHWAY OXYGEN
INJECTION LINE GROUNDWATER
DATA**

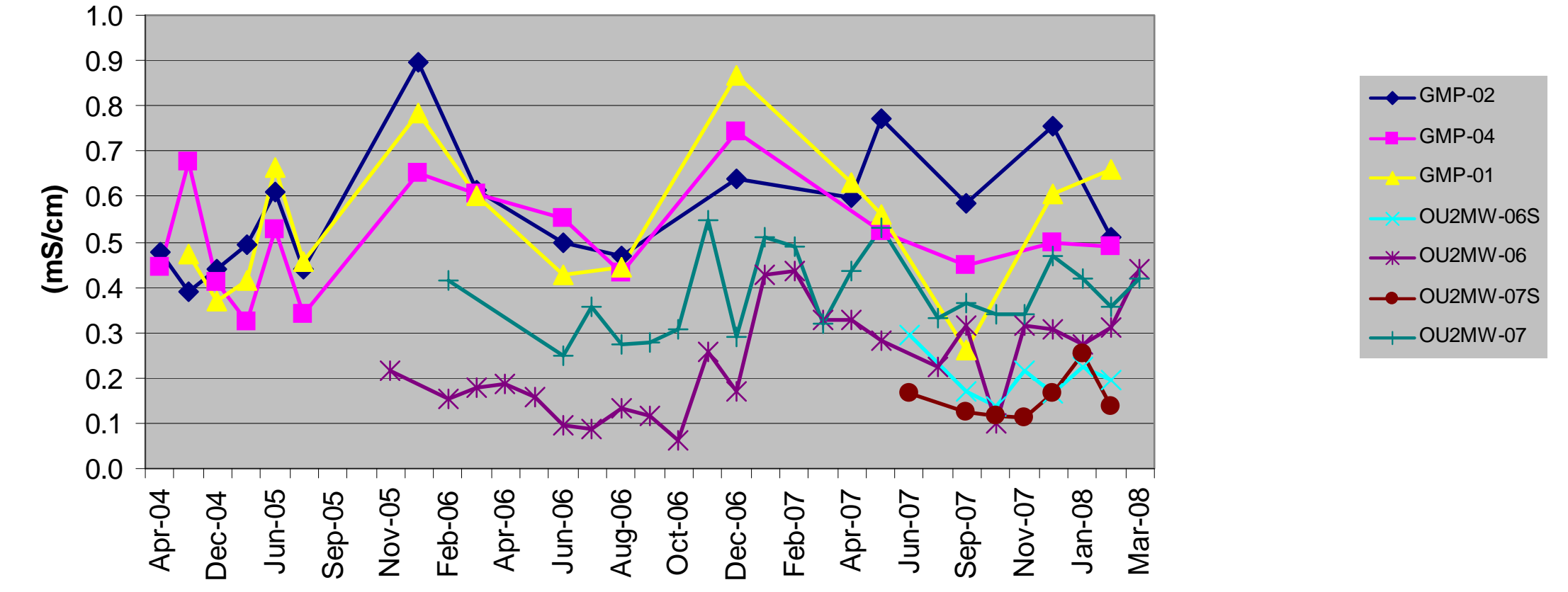
Oxidation Reduction Potential (mV)
Garner Lane Oxygen Injection System
Manatuck Lane Injection Line



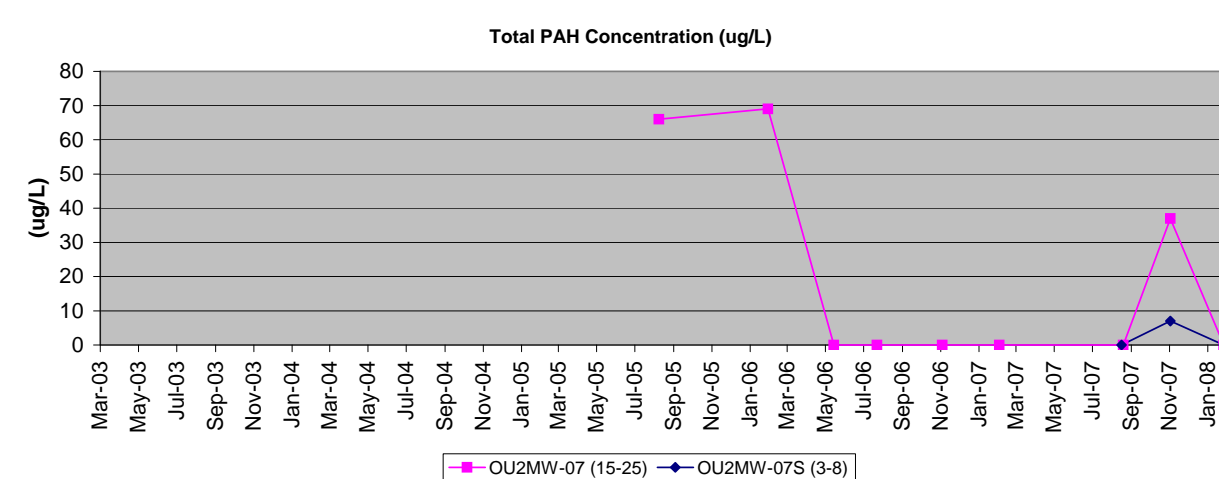
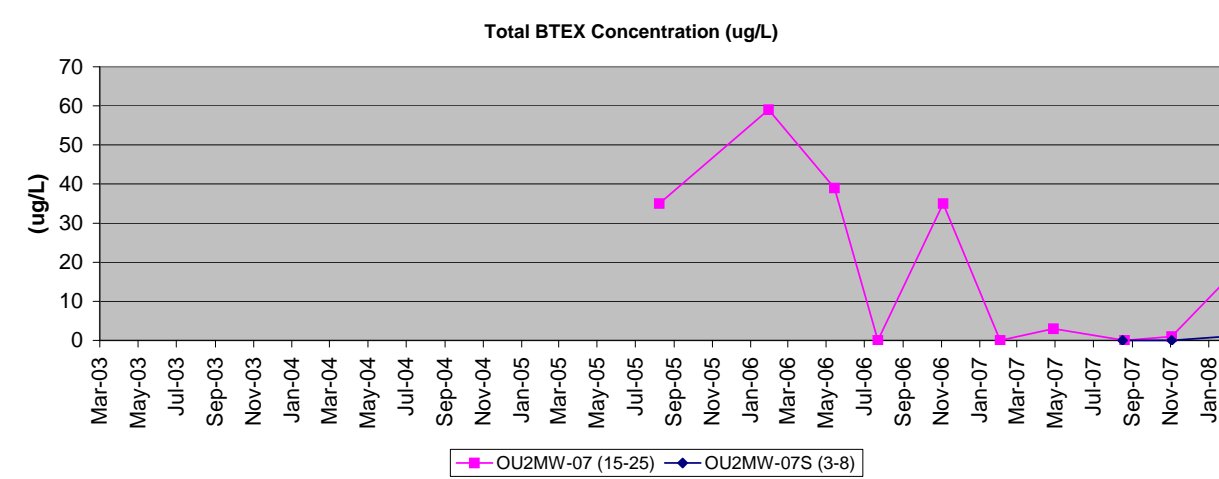
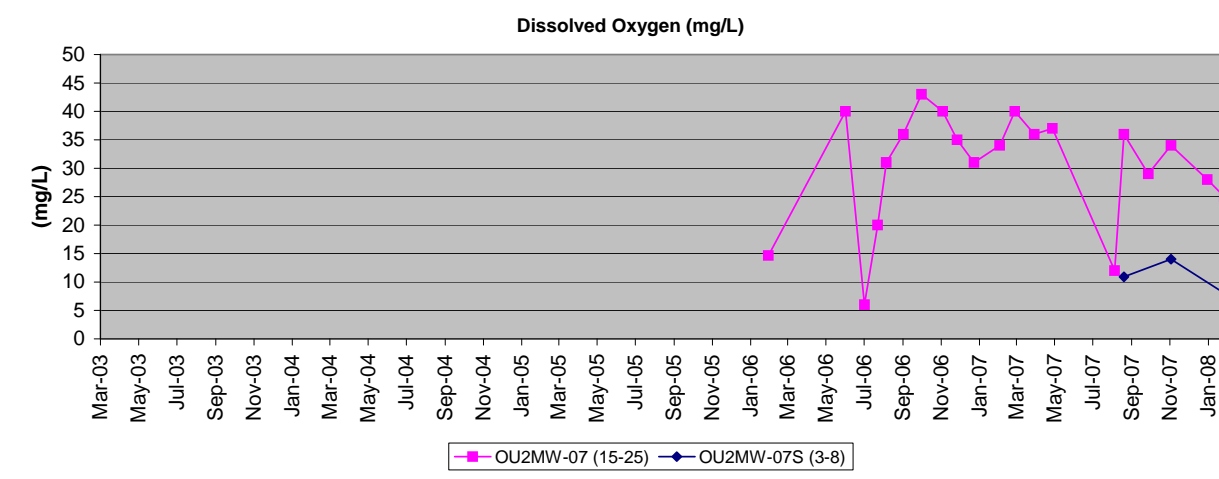
pH (std. Units)
Garner Lane Oxygen Injection System
Manatuck Lane Injection Line



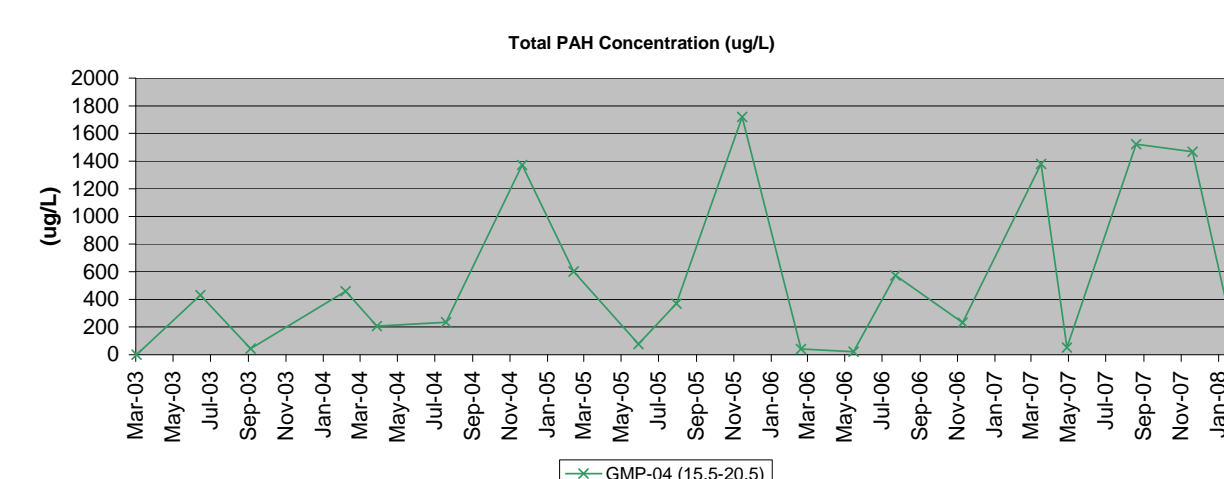
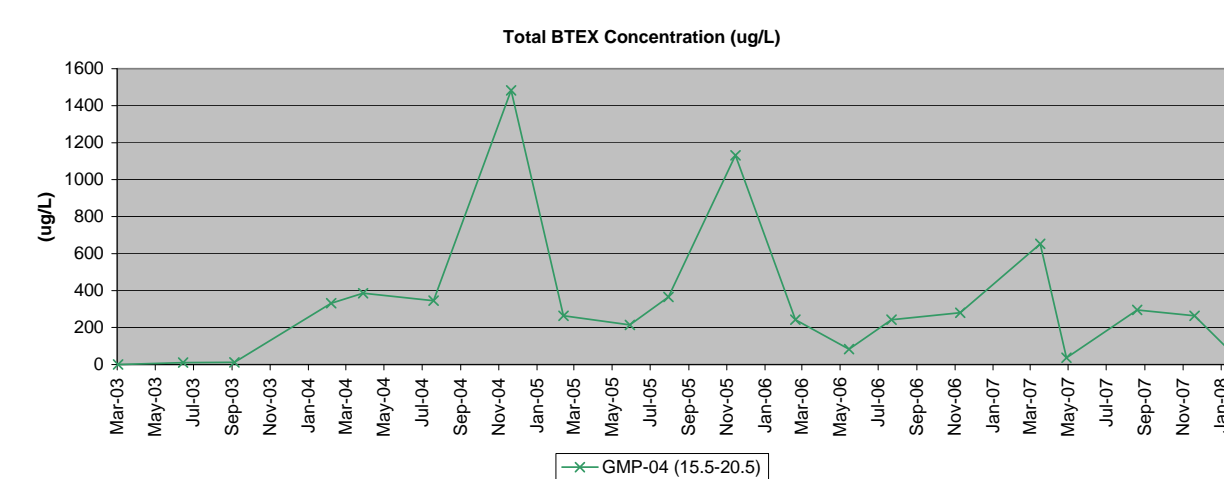
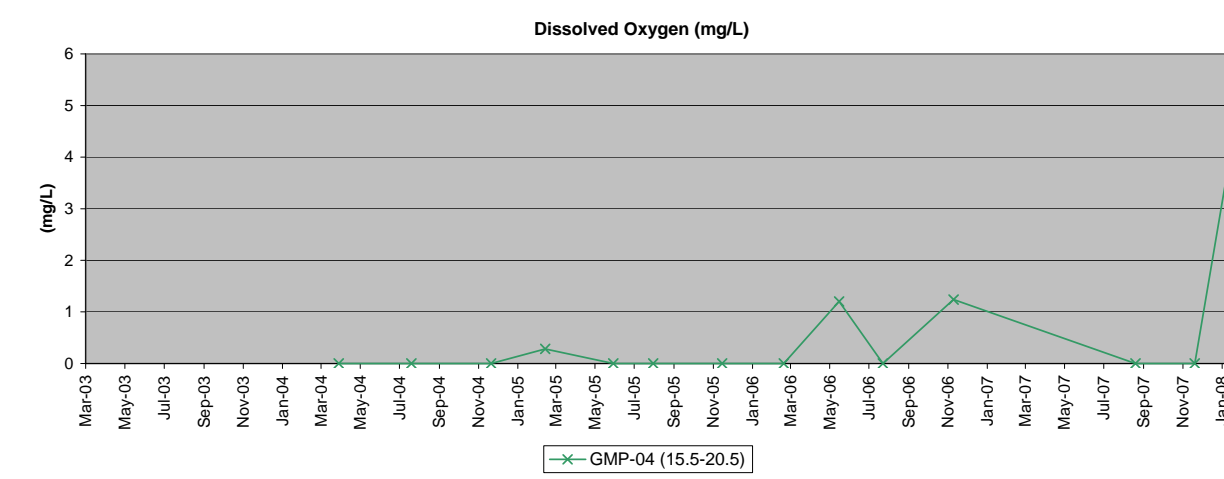
Conductivity (mS/cm)
Garner Lane Oxygen Injection System
Manatuck Lane Injection Line



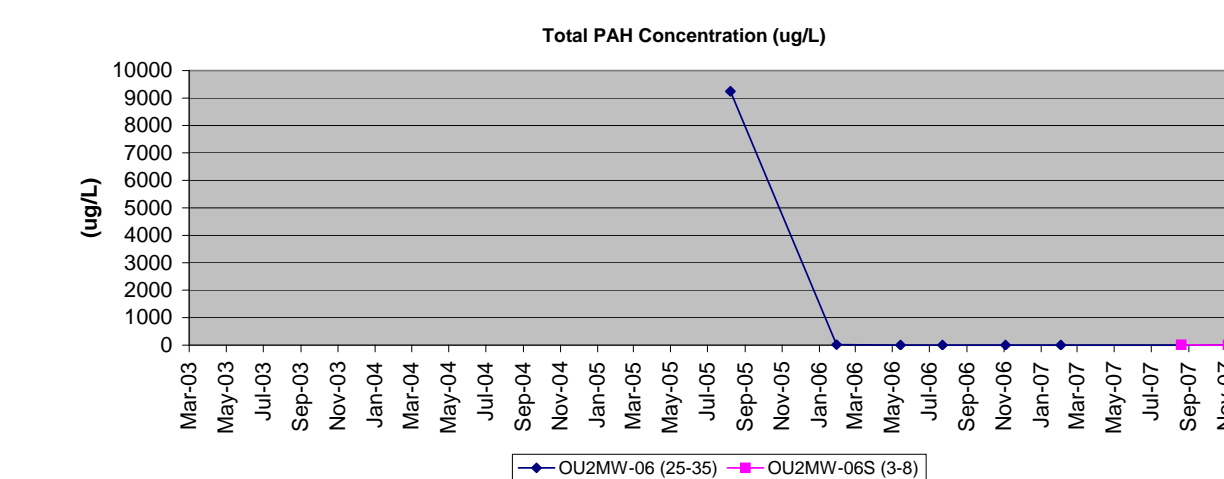
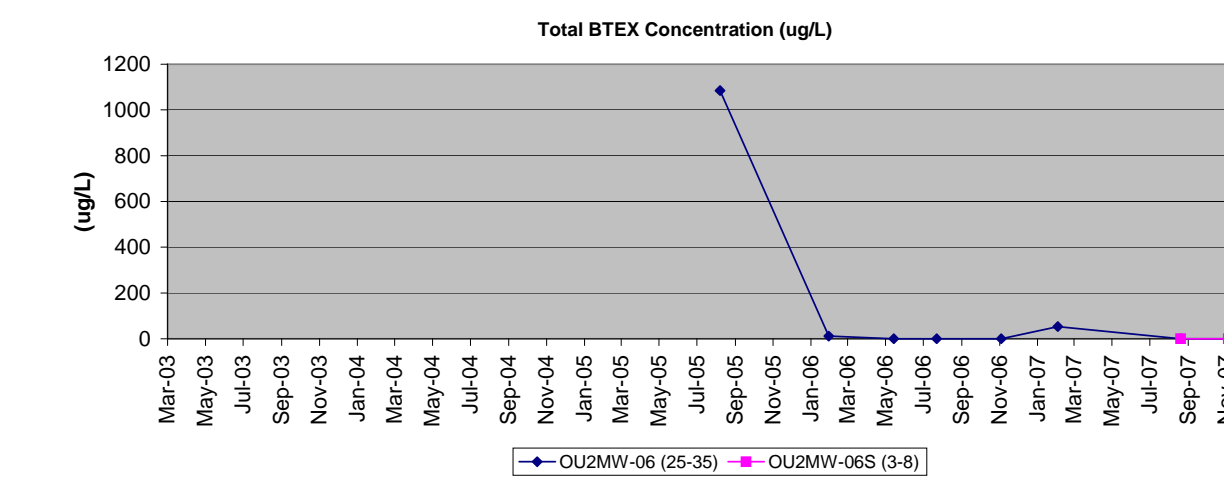
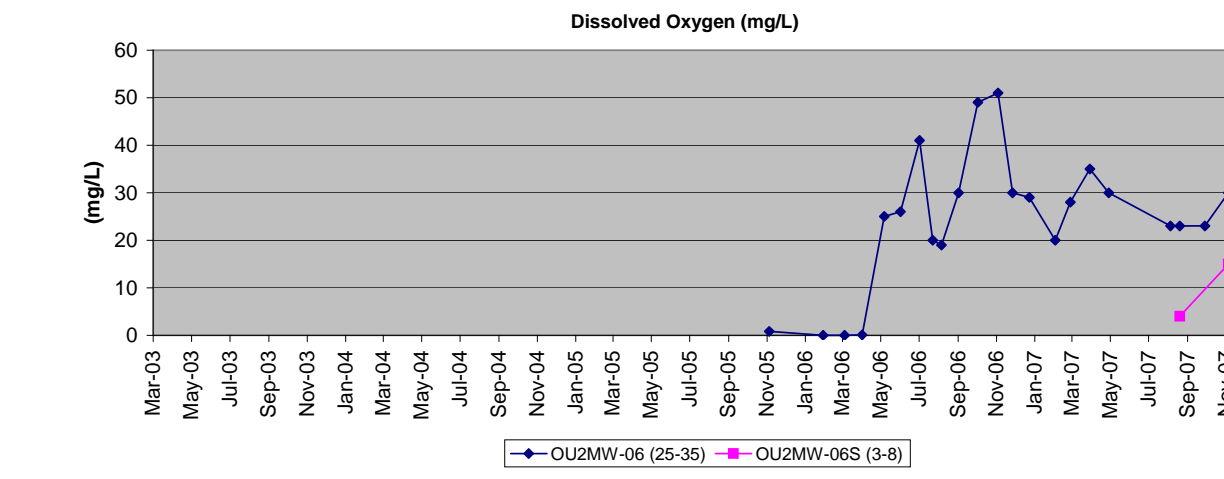
OU2MW-07



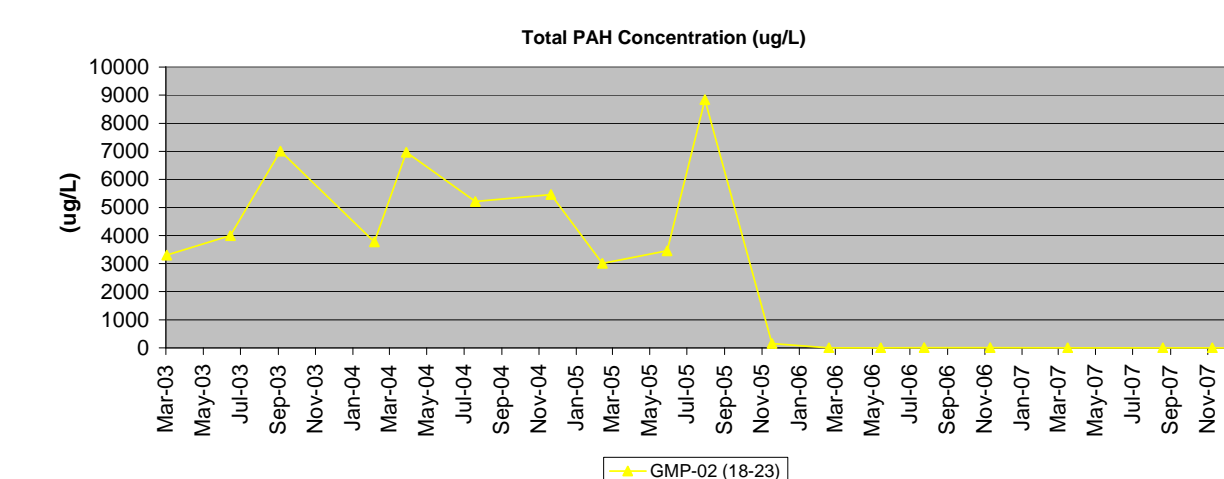
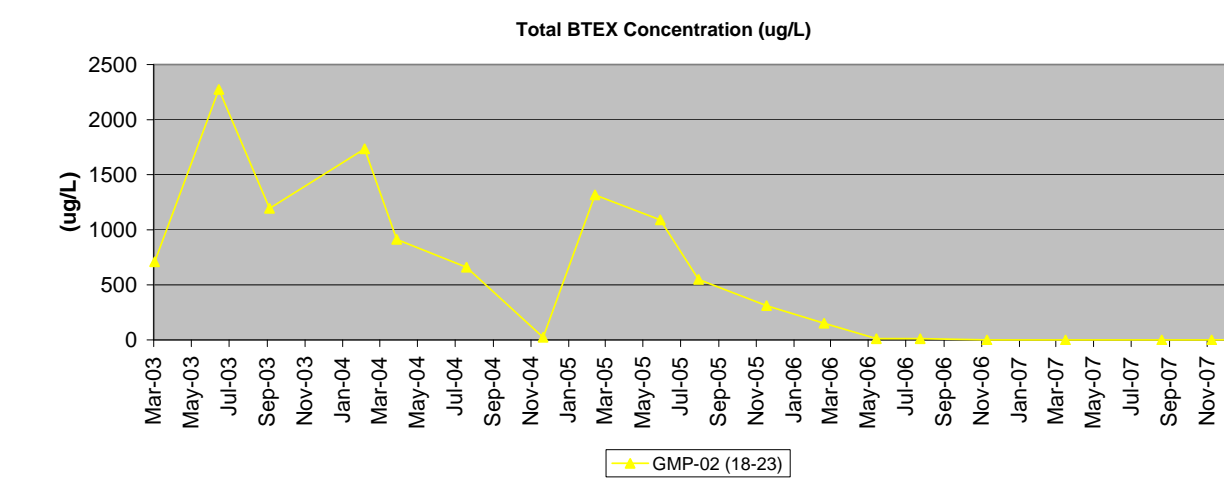
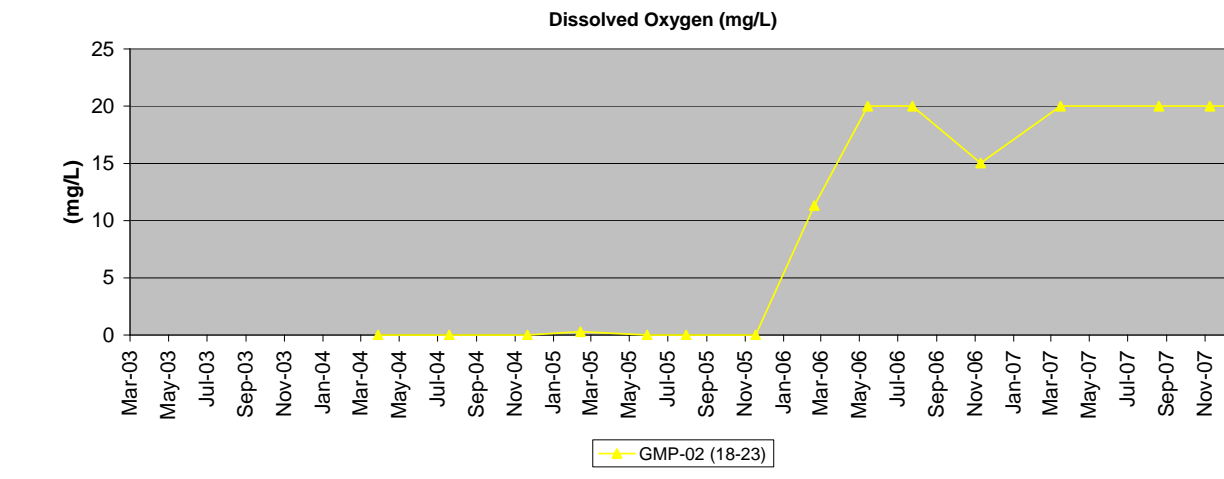
GMP-04



OU2MW-06



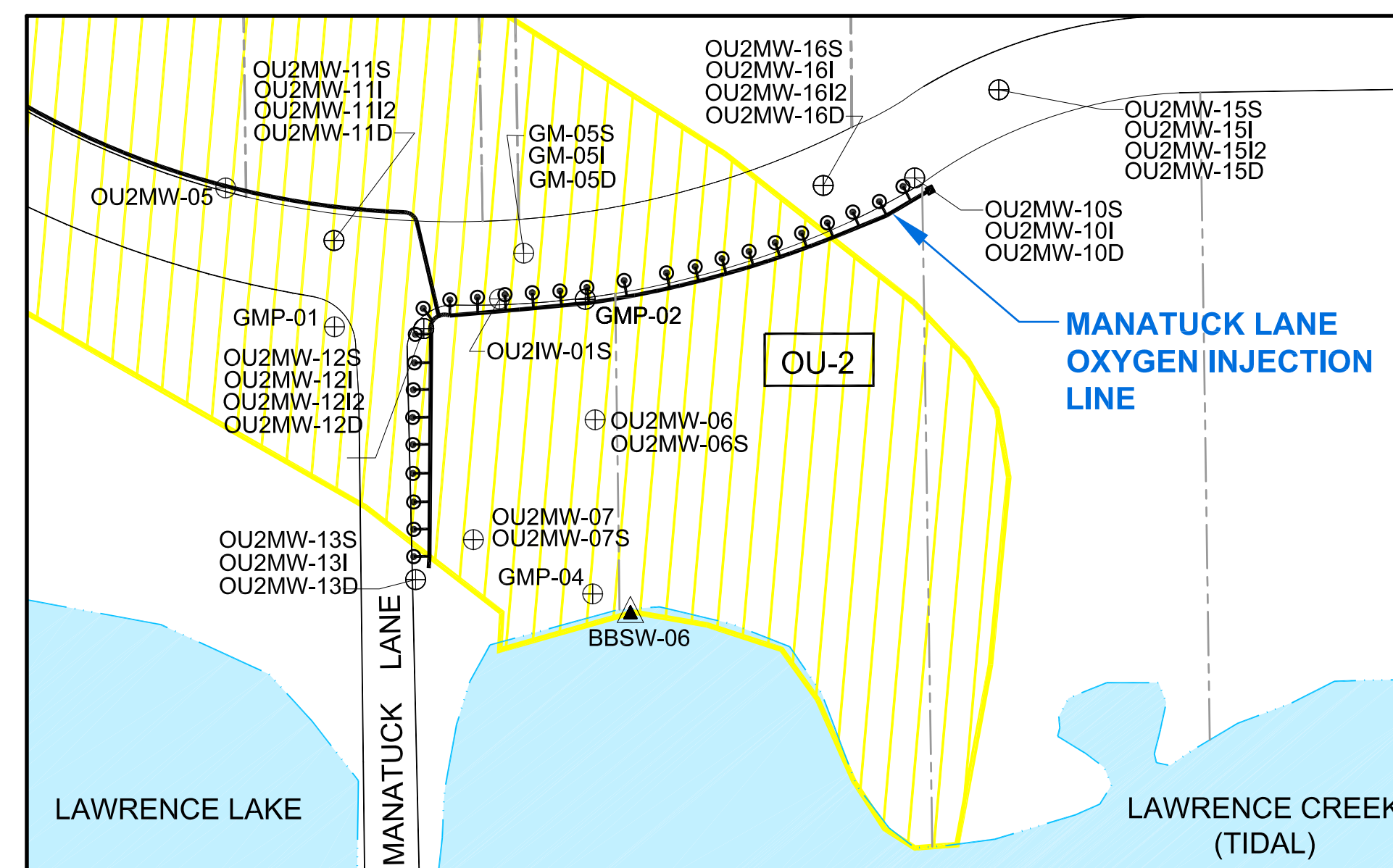
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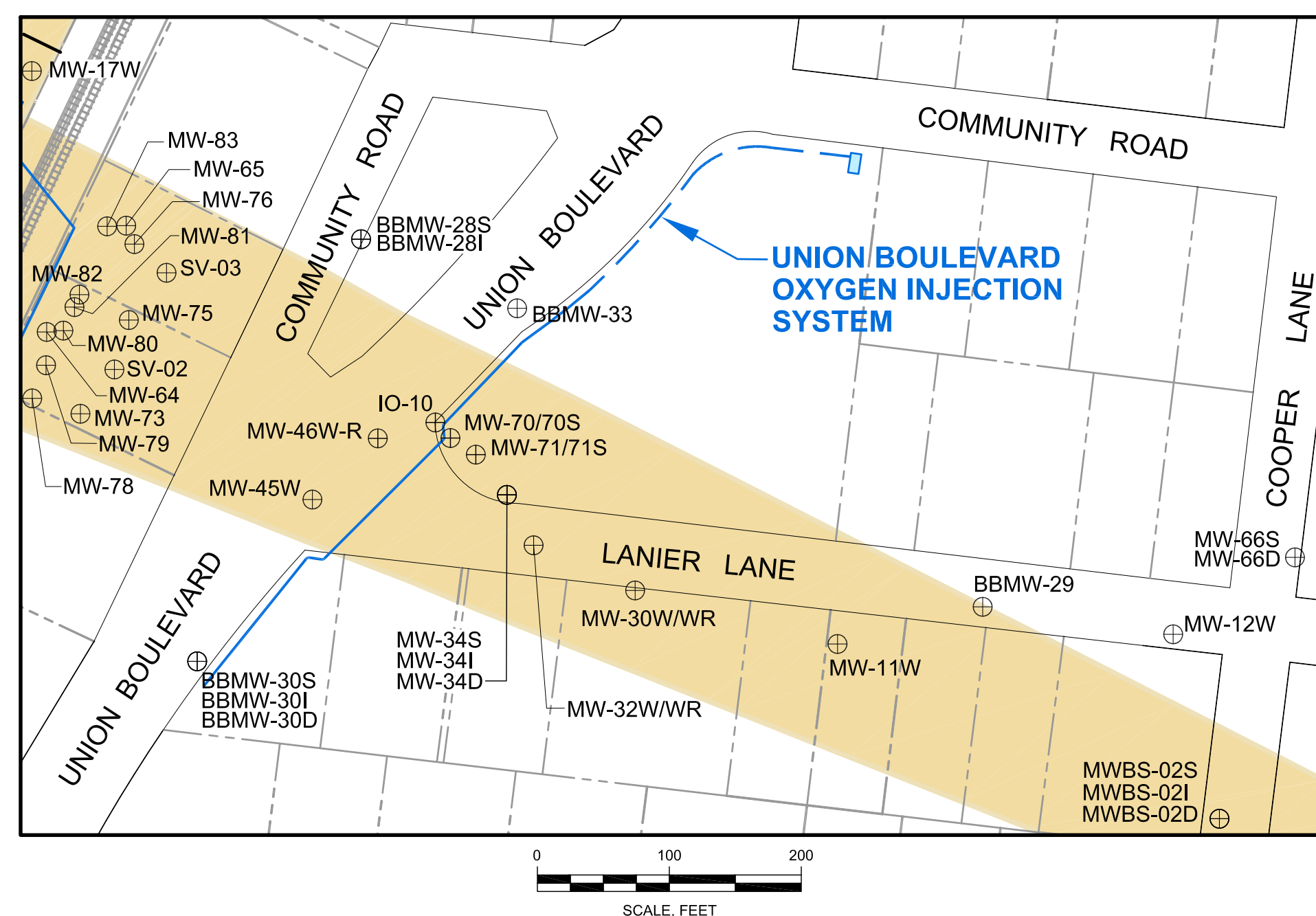
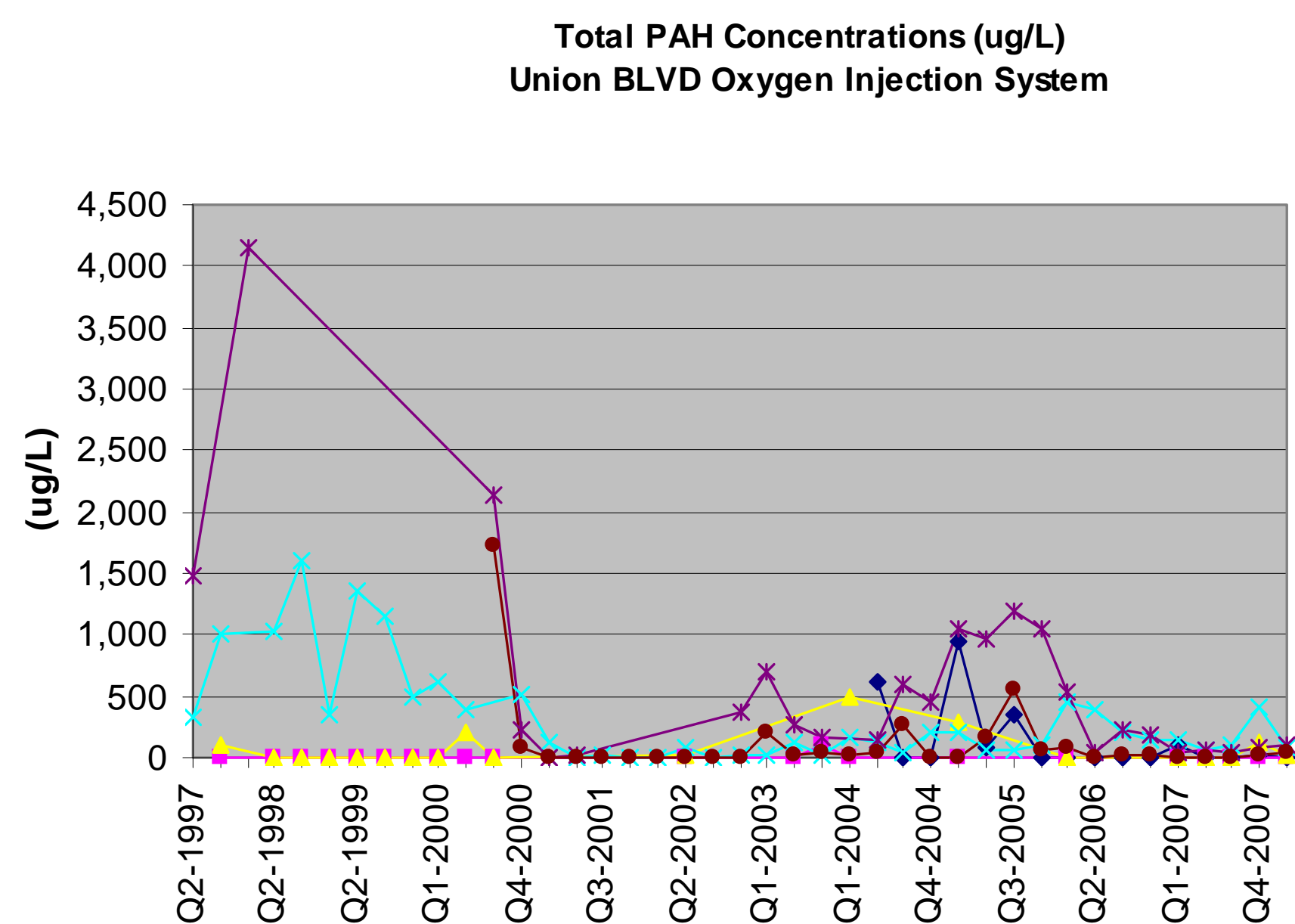
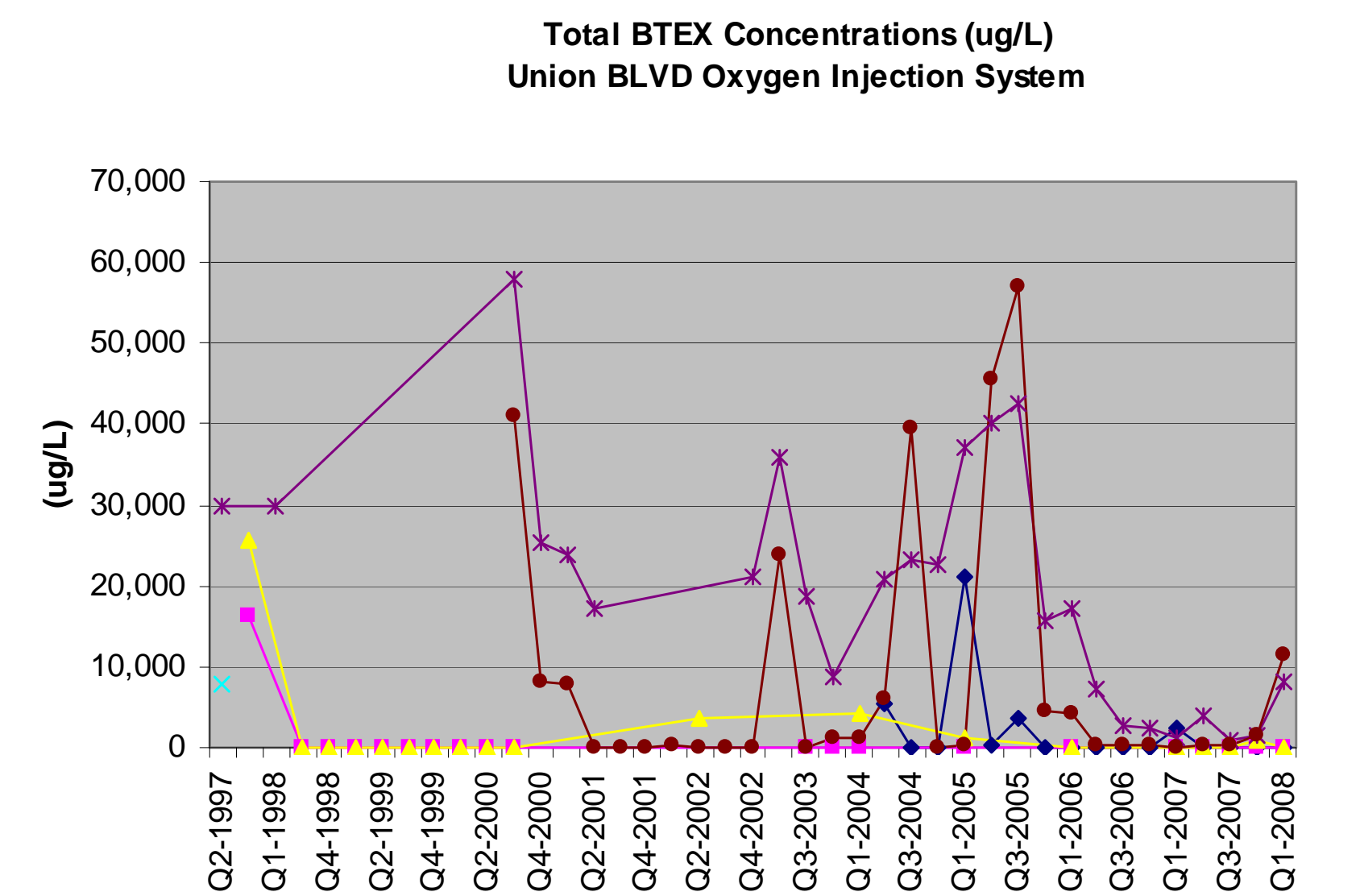
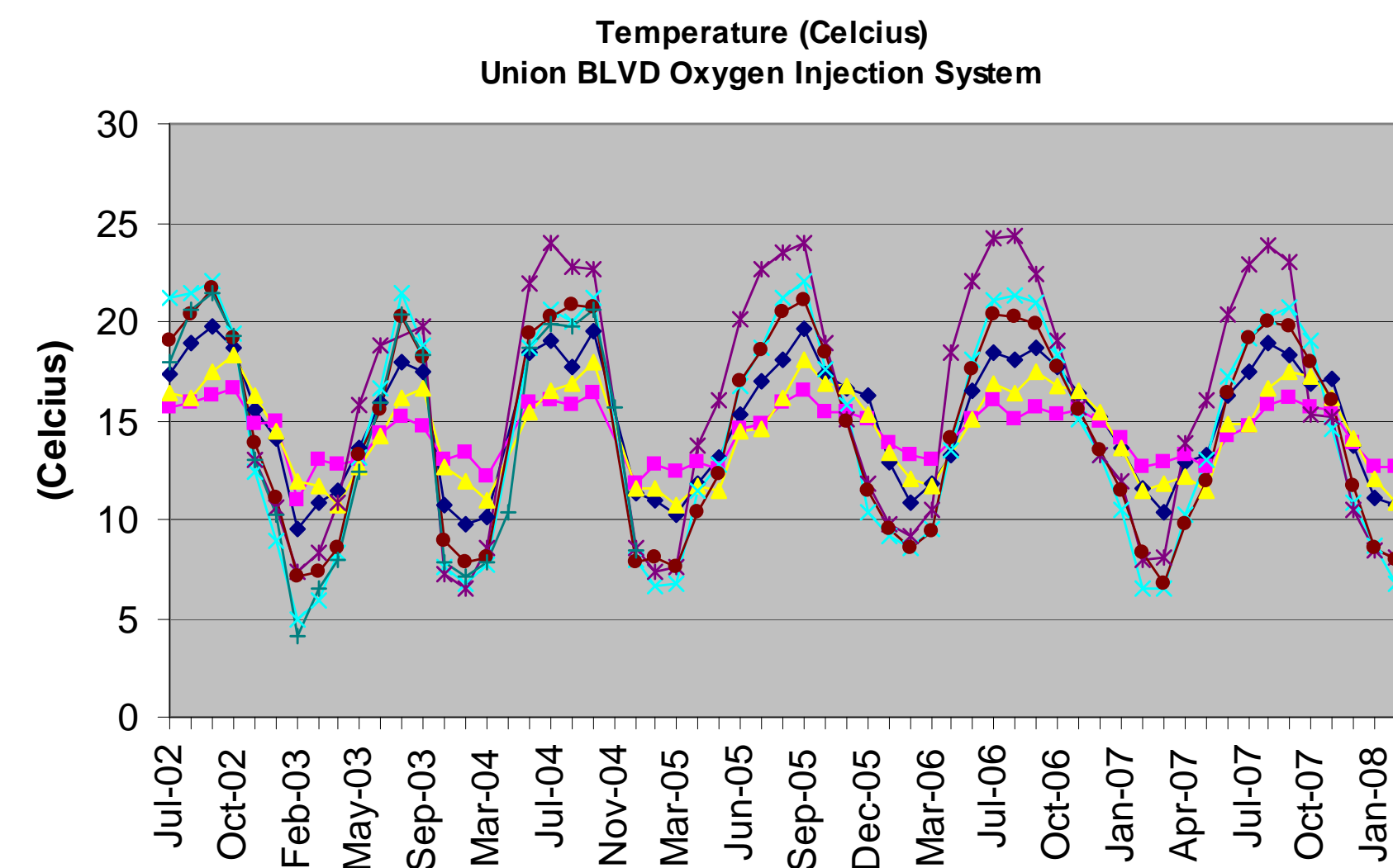
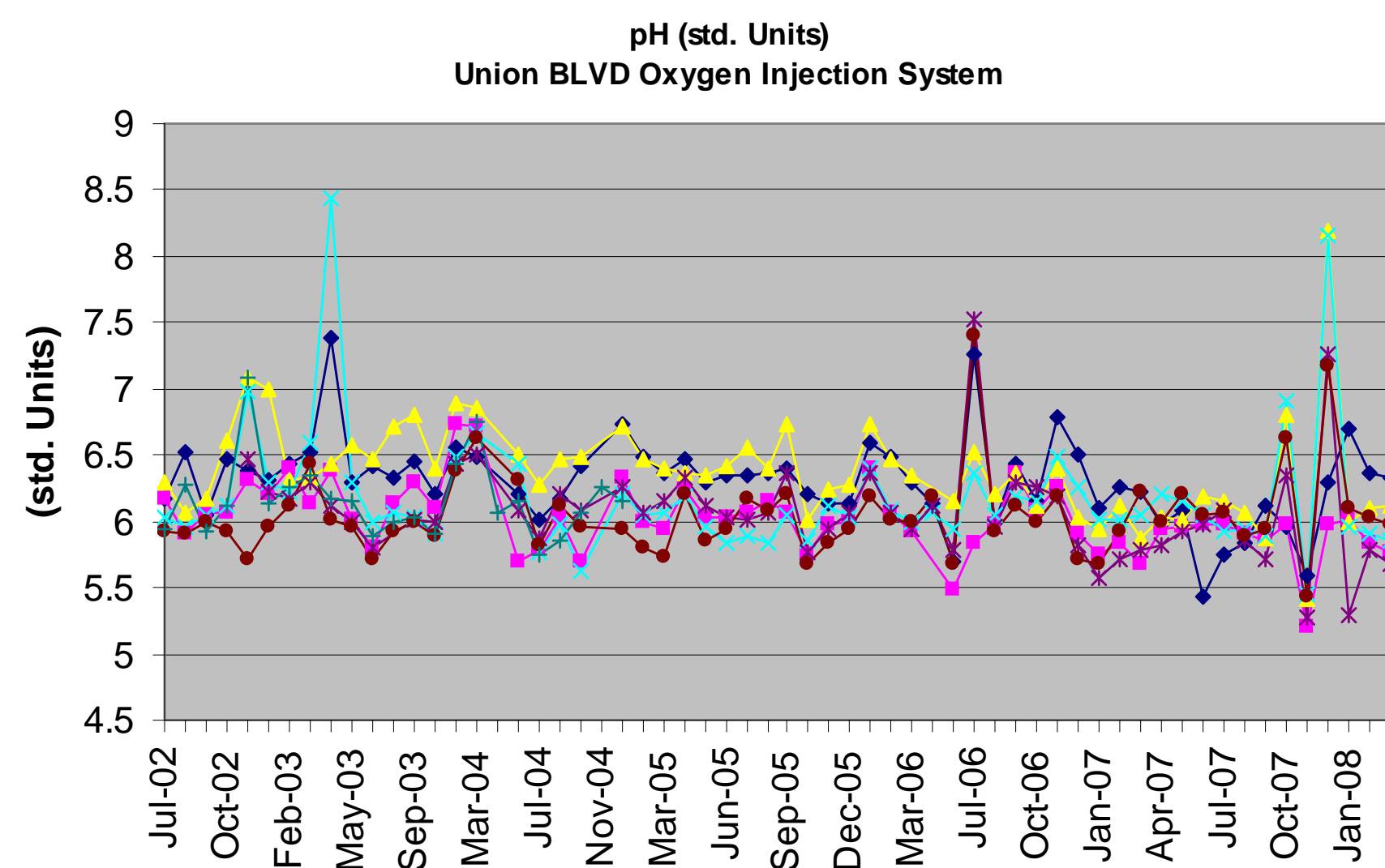
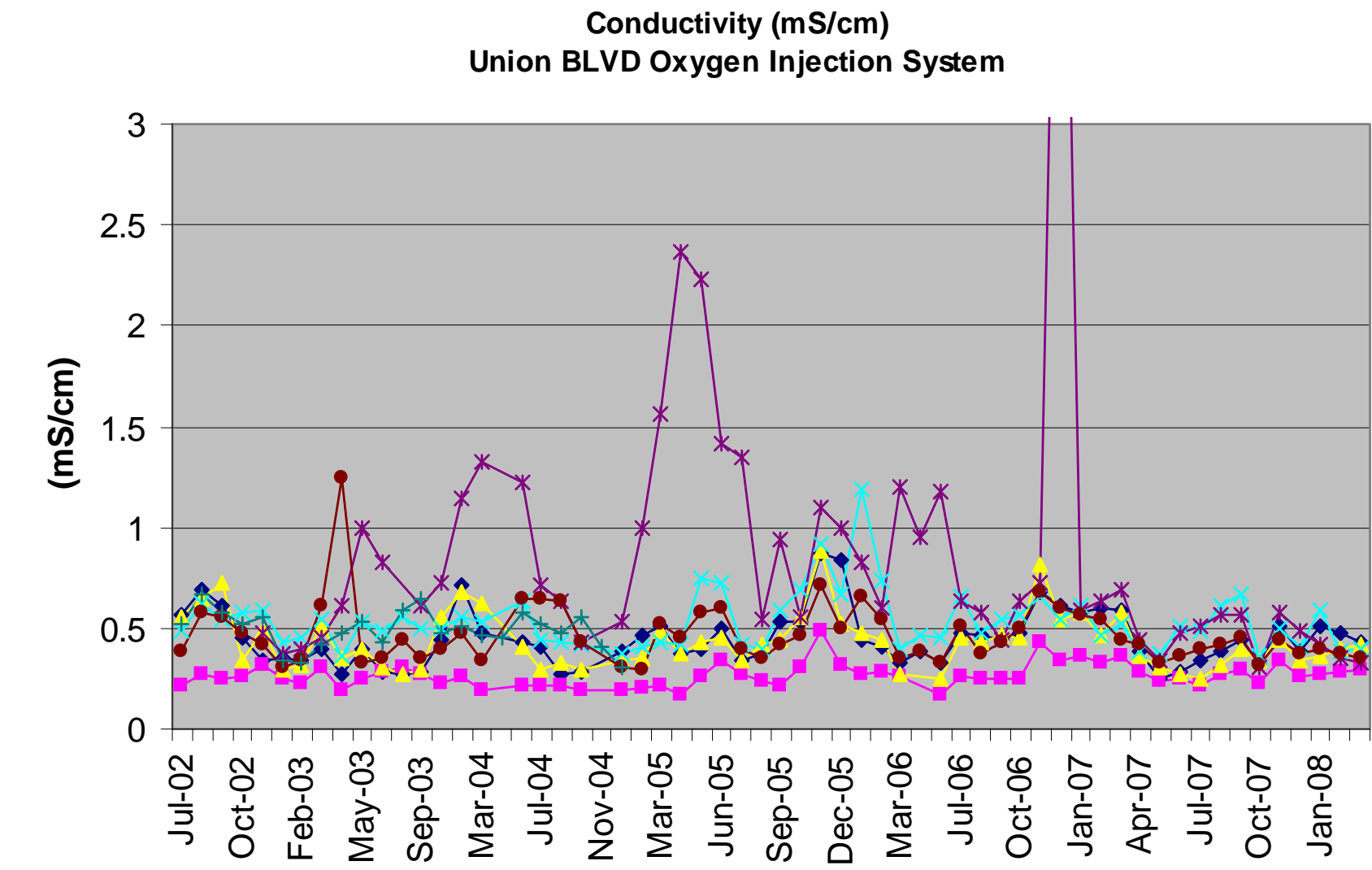
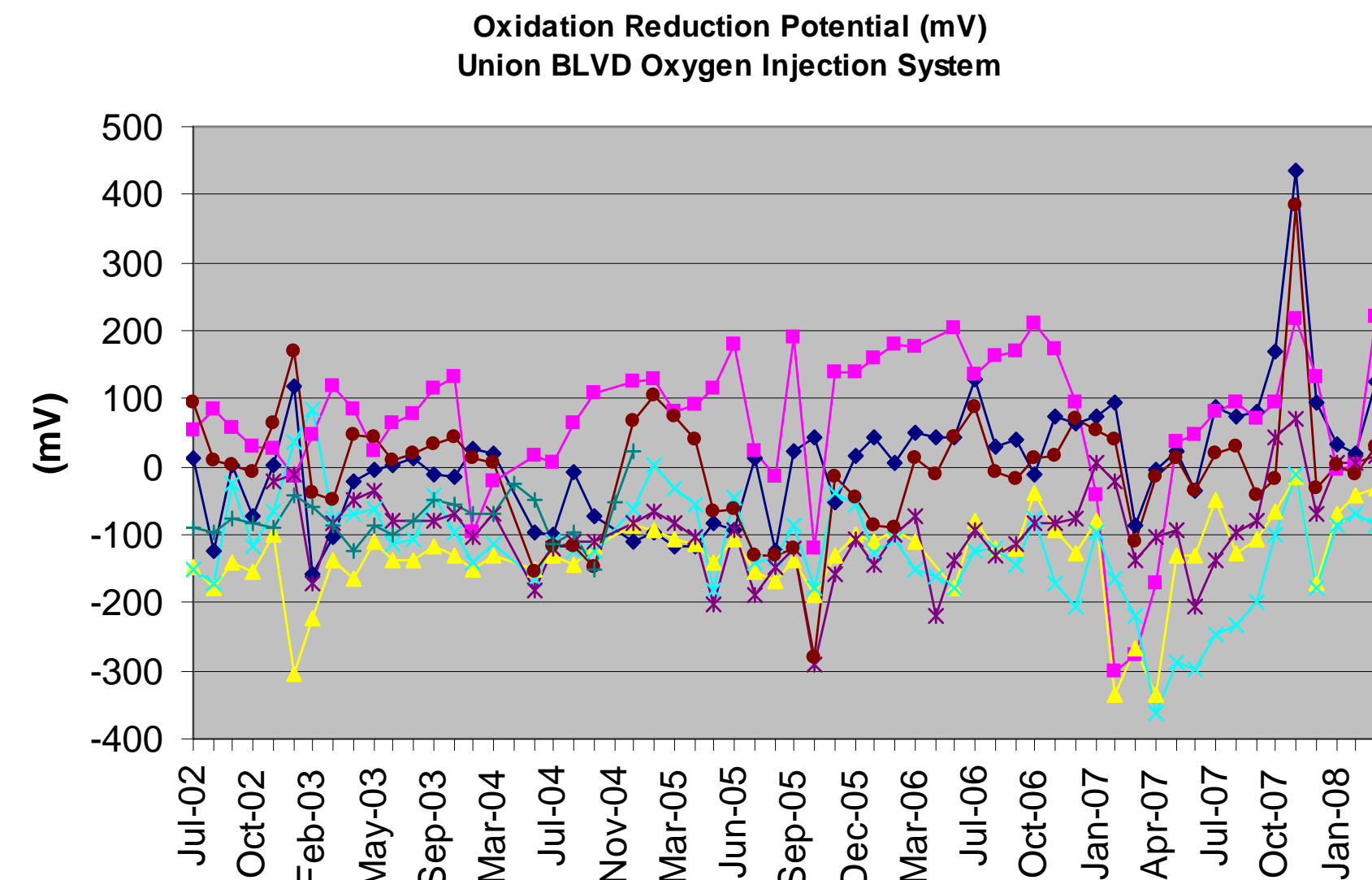
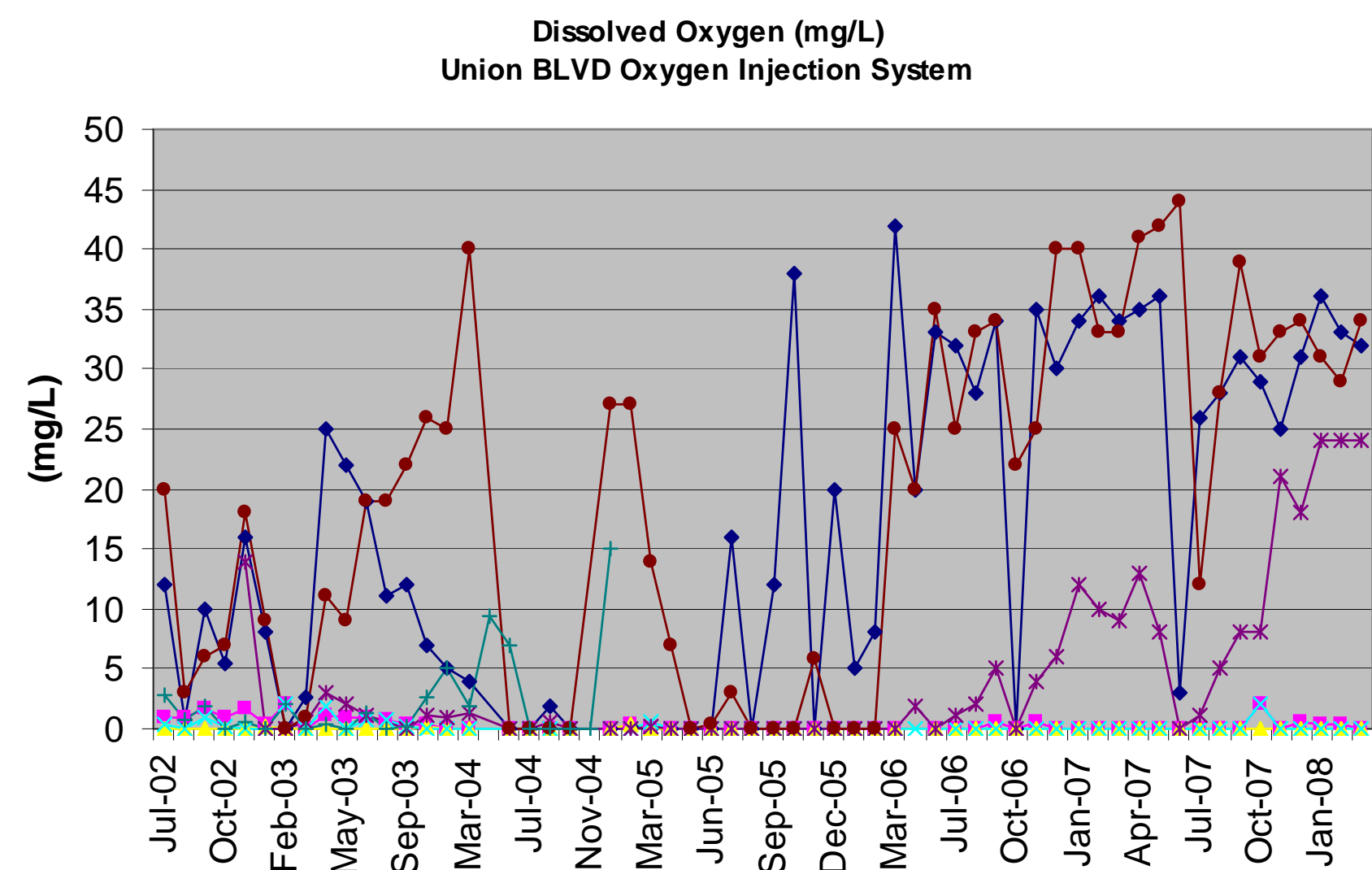
LEGEND:

- ⊕ S, I, I, 2, D ACTIVE MONITORING WELL LOCATION
- SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP
- ▲ BBSW-06 SURFACE WATER GAUGING STATION LOCATION

- 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.
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BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK nationalgrid PROJECT 061140-8-1707	 455 WINDING BROOK DRIVE SUITE 201 GLASTONBURY, CONNECTICUT 06033	MANATUCK LANE OXYGEN INJECTION LINE GROUNDWATER DATA



LEGEND:

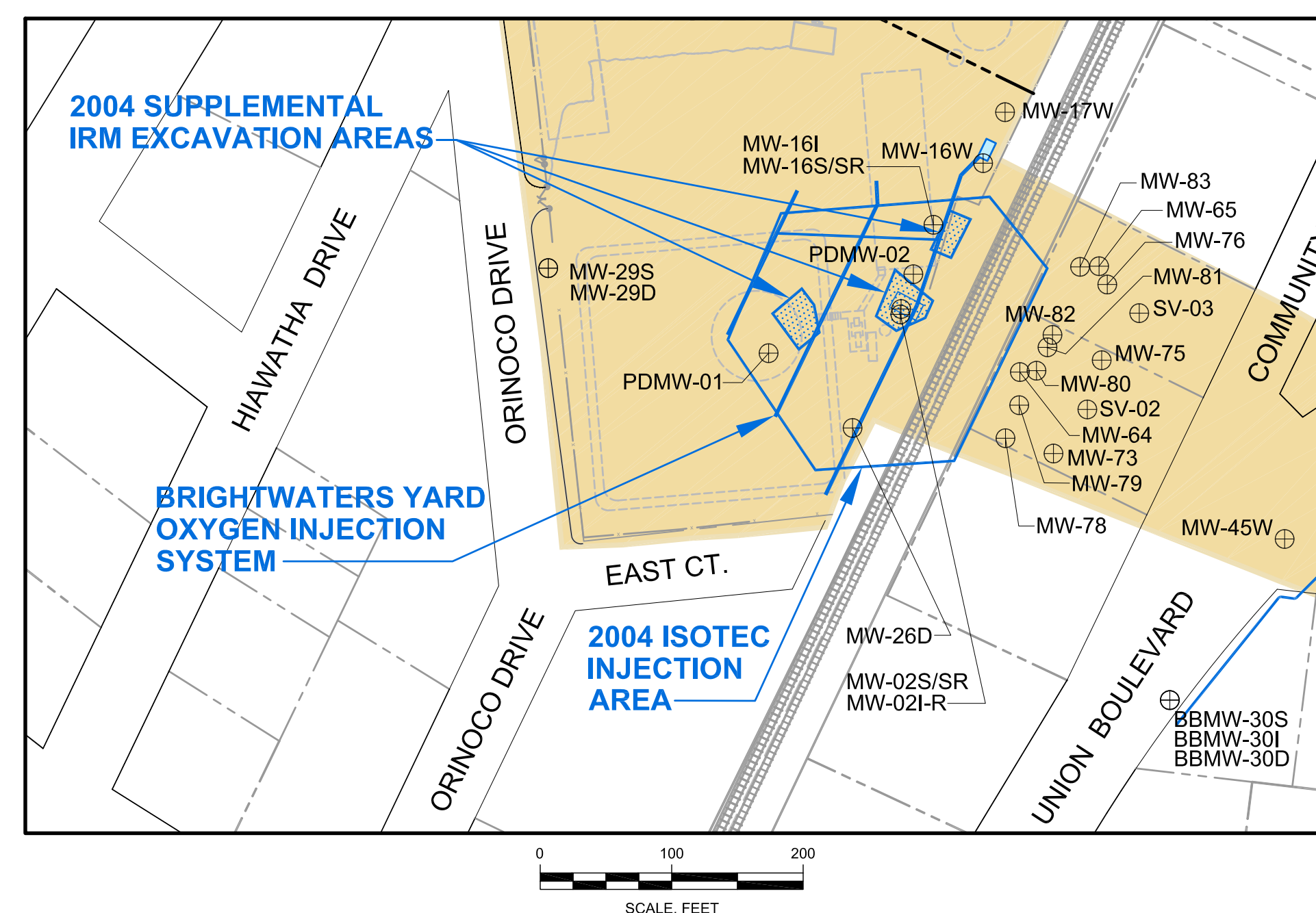
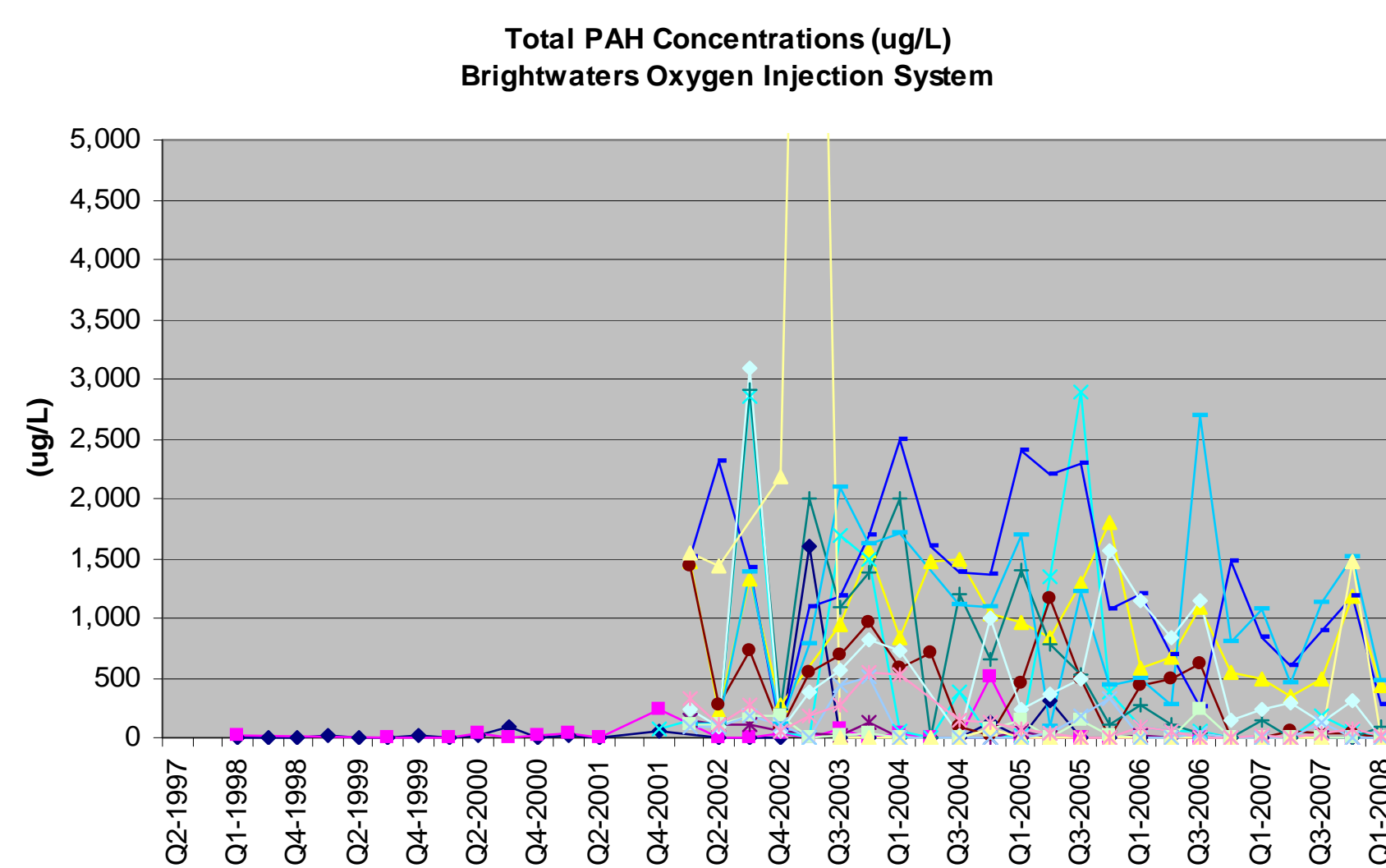
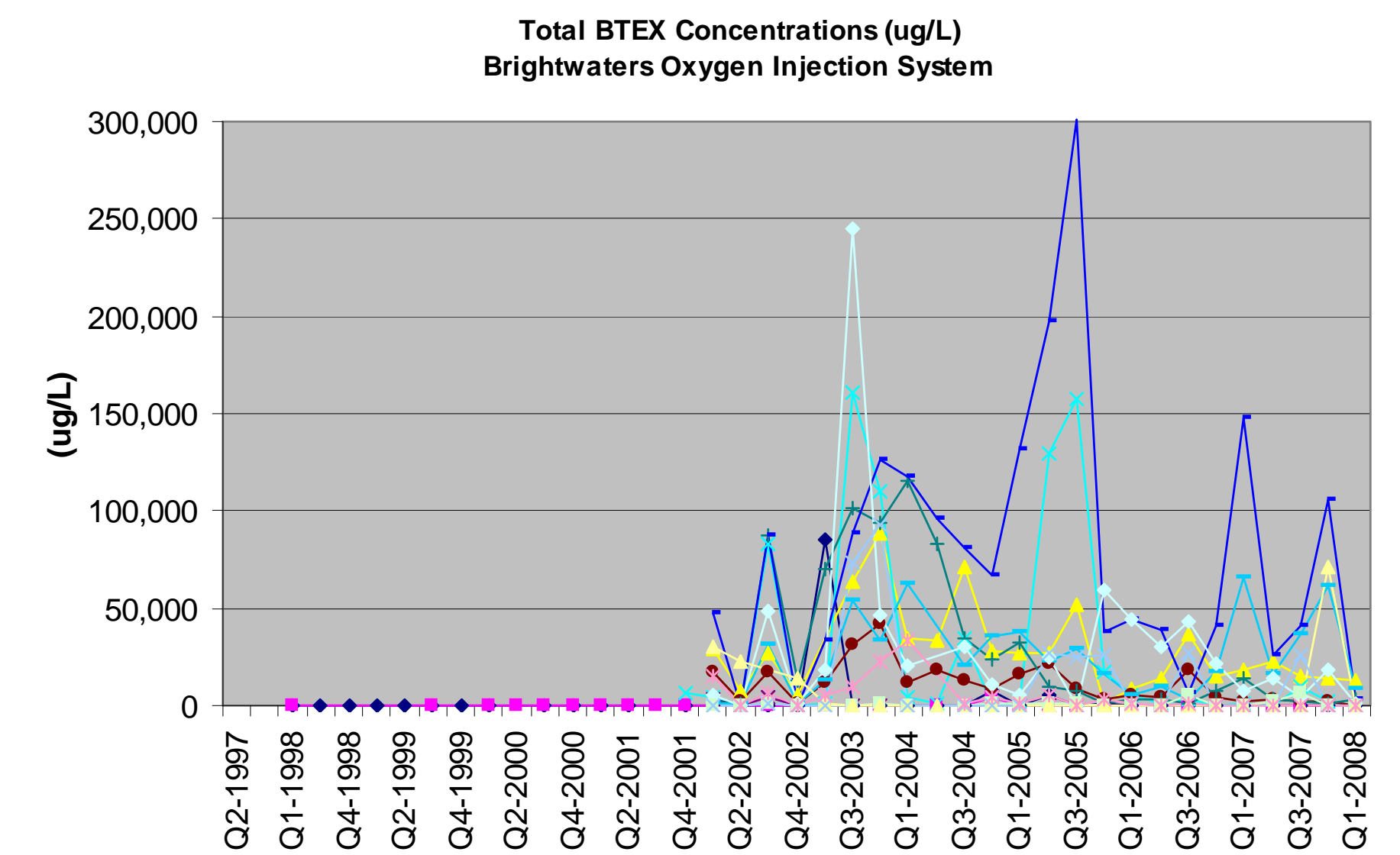
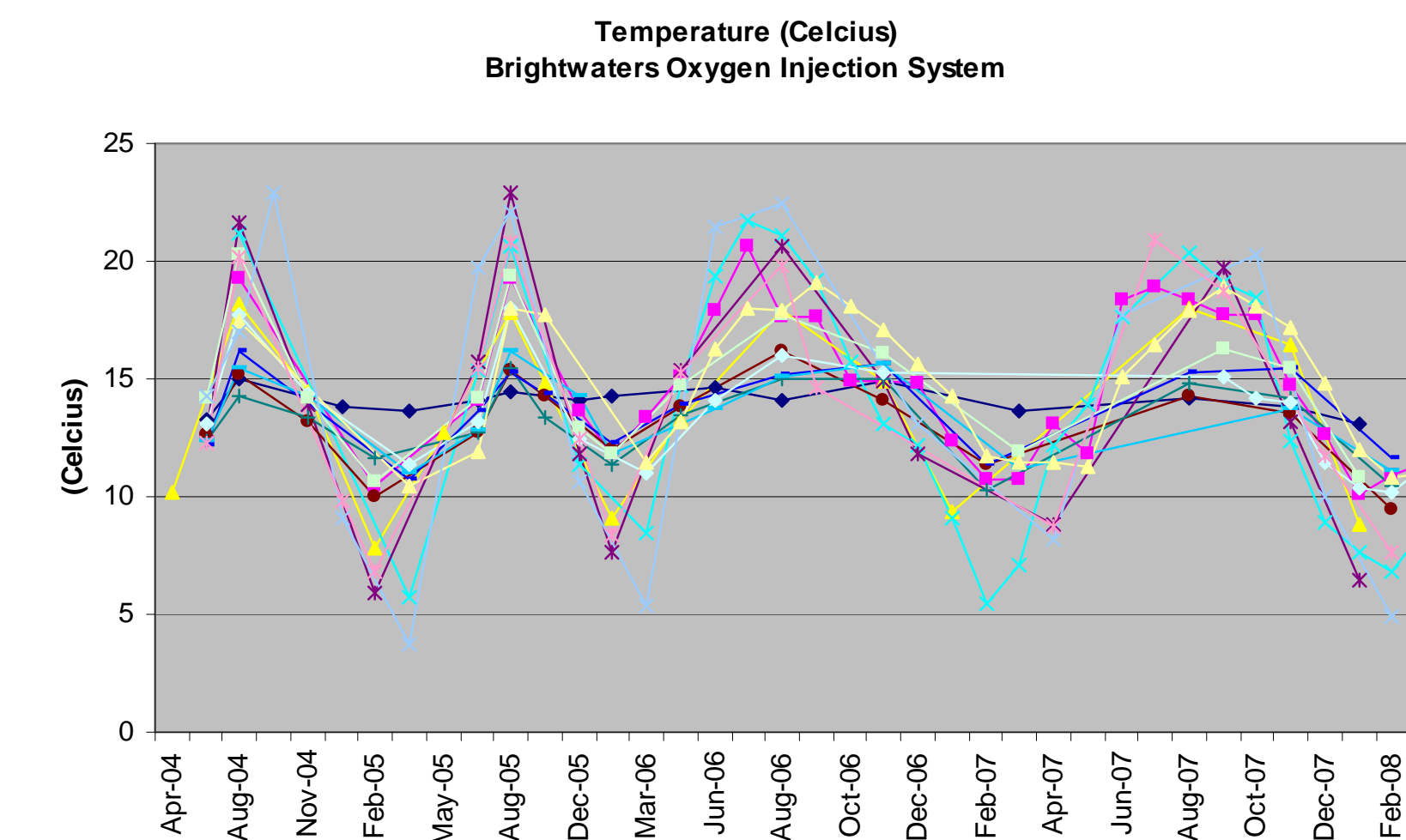
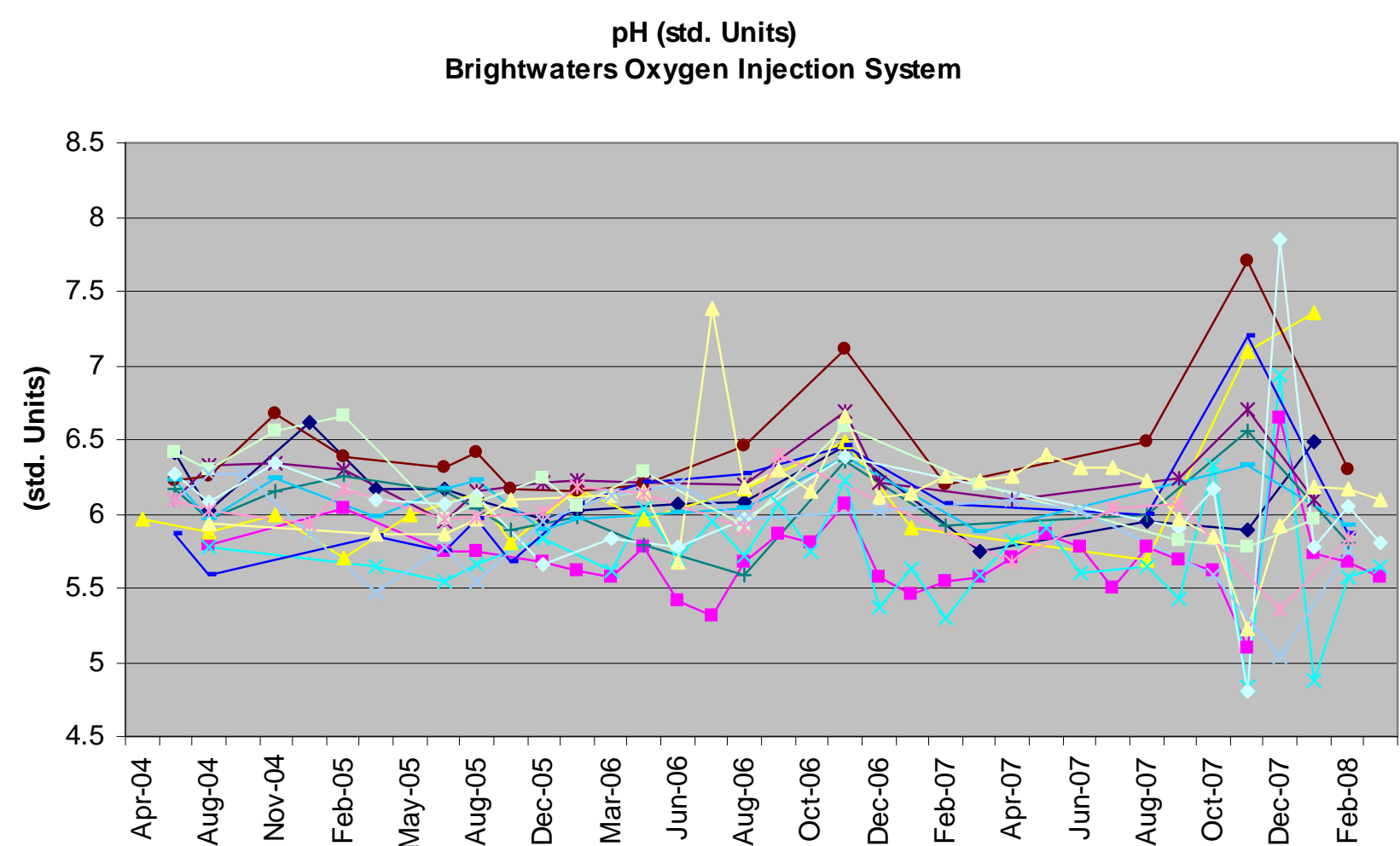
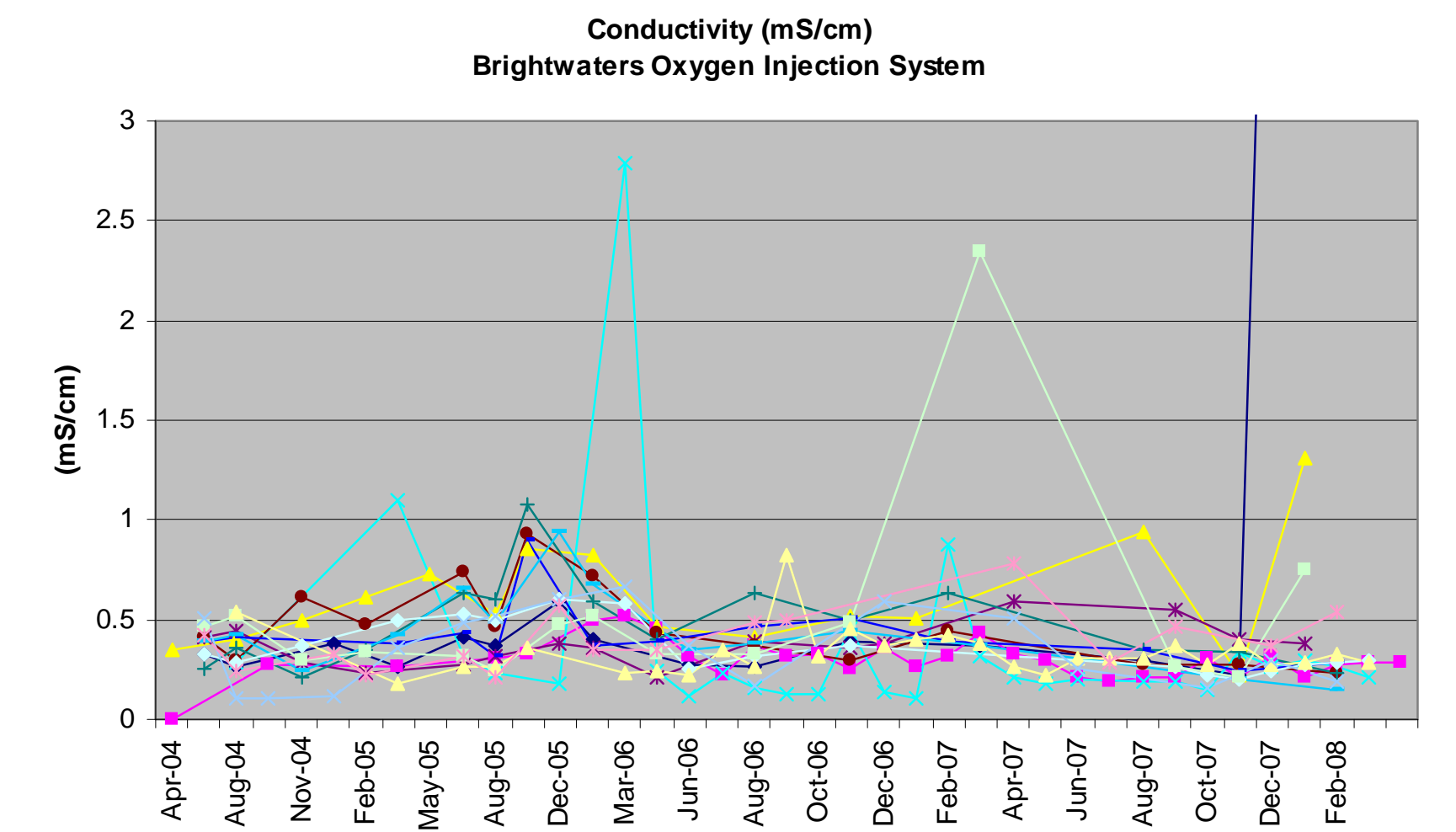
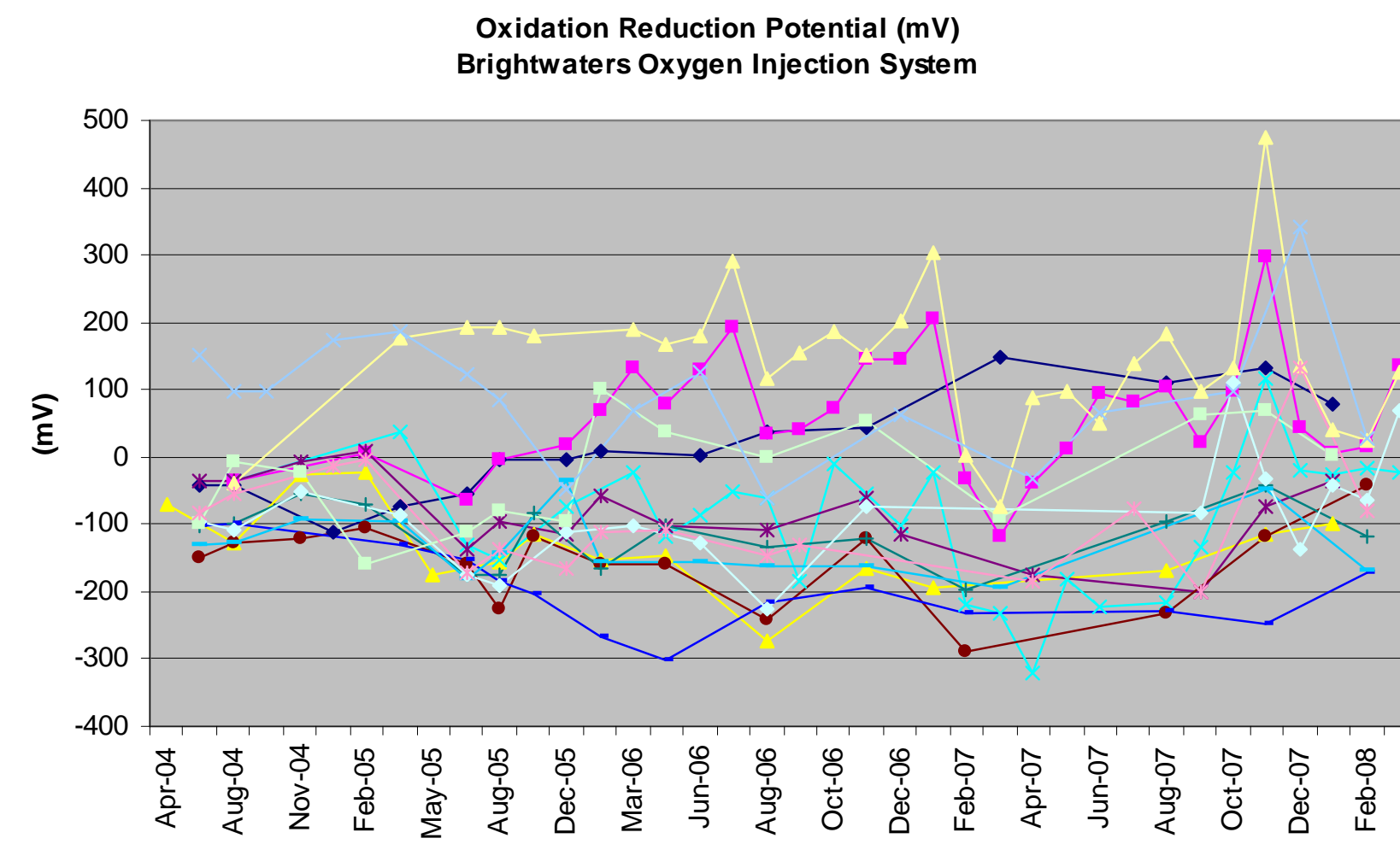
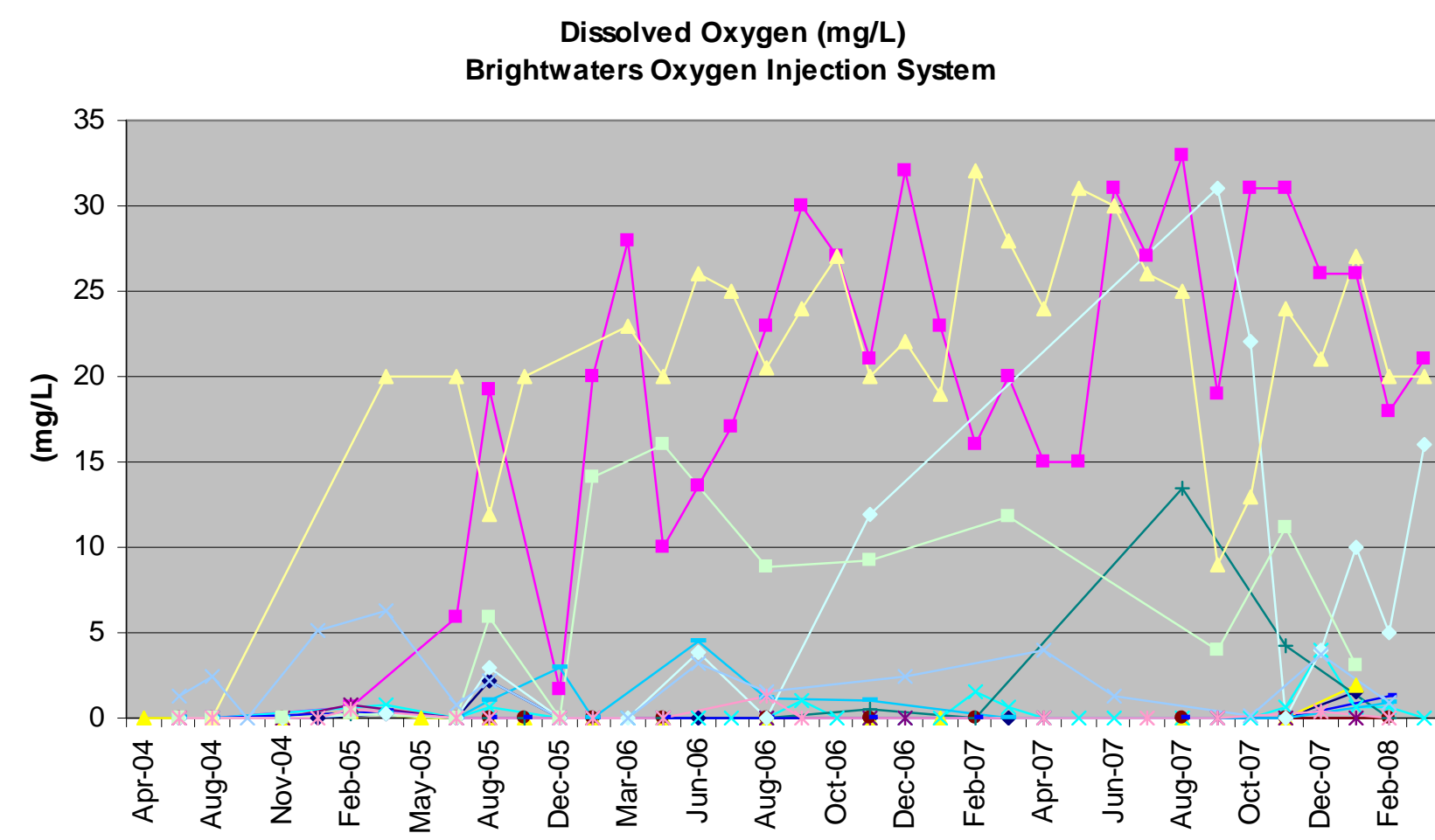
- ⊕ OU2MW-01 S, I, I, 2, D
- ⊕ ACTIVE MONITORING WELL
- ⊕ LOCATION USED
- ⊕ SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

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.
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- ⊕ IO-10
- ⊕ MW-34D
- ⊕ MW-34I
- ⊕ MW-34S
- ⊕ MW-46WR
- ⊕ MW-70/70S
- ⊕ MW-71/71S

BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK nationalgrid	 455 WINDING BROOK DRIVE SUITE 201 GLASTONBURY, CONNECTICUT 06033	UNION BOULEVARD OXYGEN INJECTION SYSTEM GROUNDWATER DATA



LEGEND:
 ⊕ MW-83 S,I,I2,D
 ⊕ ACTIVE MONITORING WELL
 ⊕ LOCATION USED
 ⊕ SHALLOW, INTERMEDIATE, INTERMEDIATE 2, DEEP

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.
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BAY SHORE/BRIGHTWATERS FORMER MGP SITE BAY SHORE, NEW YORK 	 455 WINDING BROOK DRIVE SUITE 201 GLASTONBURY, CONNECTICUT 06033	BRIGHTWATERS YARD OXYGEN INJECTION SYSTEM GROUNDWATER DATA	
		PROJECT 061140-8-1707	June 2008

Appendices A, B, and C (electronic only)

Appendix A: OU-2 Oxygen Injection System OM&M Data

Appendix B: OU-3 Oxygen Injection Systems OM&M Data

Appendix C: Soil Vapor Analytical Results Operable Unit No. 2