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**Quarterly Groundwater Monitoring Report  
Fourth Quarter (Q4) 2010**

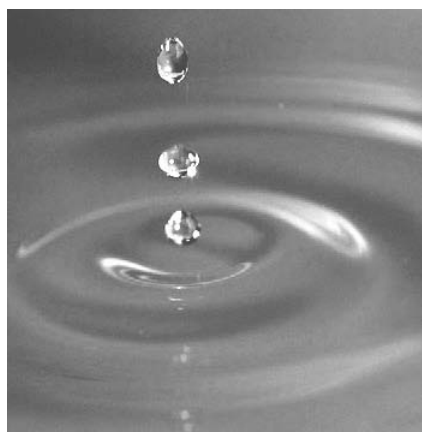
**Glen Cove  
Former MGP Site**

City of Glen Cove  
Nassau County, Long Island, New York  
Site ID No. 1-30-089P

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February 2011  
Project 093270-5-1504



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# 1. Introduction and Site Background

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This report presents the fourth quarter 2010 (Q4 2010) groundwater monitoring results for the Glen Cove Former Manufactured Gas Plant (MGP) Site located in Glen Cove, Nassau County, New York (the Site). This report has been prepared in accordance with the requirements of Section 6 of *DER-10* (Division of Environmental Remediation) *Technical Guidance for Site Investigation and Remediation*; the Order on Consent, Index No. D1-0001-98-11 signed by KeySpan Corporation (currently known as National Grid) and the New York State Department of Environmental Conservation (NYSDEC), and the *Remedial Action Plan, Glen Cove Former Manufactured Gas Plant, Town of Oyster Bay, Nassau Country, New York* (RAP) prepared by GEI Consultants, Inc. (GEI), dated March 2010.

The NYSDEC-approved remedy for the Site includes the excavation of shallow soils and offsite disposal of accessible MGP-related source material (or “hot spots”), groundwater treatment using oxygen injection technology, and the installation of recovery wells to remove mobile non-aqueous phase liquids (NAPL). Source material is defined in Chapter 6 of the New York Codes, Rules, and Regulations (NYCRR) Part 375-1.2(a). For the purposes of this Site, source material consists of materials containing tar or oil-like materials, where individual droplets, pools, or stringers are visible to the naked eye. The current property owner, Long Island Power Authority (LIPA), is planning to conduct a facility upgrade which will include the installation of underground utilities, foundation, pilings, and associated electric equipment. LIPA is planning to upgrade this substation to meet the growing energy demand in the Glen Cove region.

As part of the long term monitoring of the remedy, National Grid has begun quarterly monitoring of the groundwater at the Site. This data will provide a seasonal baseline of groundwater analytical results to compare against post-remedy concentrations and evaluate the overall effectiveness of the remedial action.

## 1.1 Site Description and History

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

To the west, the property slopes downward approximately 20 feet to Glen Cove Creek, a channelized stream, which eventually discharges to Hempstead Bay. Glen Cove Creek flows in a general south to north direction along the western site property line. The creek leaves the property boundary at the northwest corner of the Site through a box culvert that directs

flow beneath the Long Island Rail Road (LIRR) tracks. The creek eventually discharges to Mosquito Cove (Hempstead Bay). A site location map is included in **Figure 1**.

MGP operations at the Site began in 1905 under the ownership of the Sea Cliff and Glen Cove Gas Company. Facility structures were located on the northern section of the property, and consisted of a 60,000 cubic foot gas holder, boilers, purifiers, retorts, coal shed, engine room, tar and oil tank, and approximately 8 gas tanks. In 1929, the Long Island Lighting Company (LILCO) terminated MGP operations and demolished the facility's surface structures sometime thereafter. Site activities following 1929 consisted solely of natural gas storage in a Hortonsphere gas holder through the 1950s. The Hortonsphere was decommissioned and demolished between 1959 and 1966. A major electrical substation was constructed on the Site in the mid-1960s. In 1998, Brooklyn Union Gas (BUG) and LILCO merged to form the KeySpan Corporation, at which time the ownership of the substation was transferred to LIPA. In 2007, National Grid acquired responsibility for the former MGP property through the acquisition of KeySpan. Currently, the Site is owned by LIPA and operated by National Grid under contract to LIPA.

## 1.2 Geology

The shallow stratigraphy beneath the Site is comprised of heterogeneous fill and glacial outwash of Upper Pleistocene deposits. The stratigraphic sequence consists of outwash deposits overlain by heterogeneous fill. The heterogeneous fill across most of the Site ranges in thickness from approximately 10 feet throughout most of the former site to 30 feet in the offsite area just north of the Site boundary. The fill composition is primarily poorly sorted and highly permeable sand and gravel with varying percentages of gravel, silt, clay, and coal fragments. The glacial outwash deposits consist mainly of interbedded layers of permeable sand and gravel, and less permeable silty sand. The top of the glacial unit was encountered from approximately 10 feet below ground surface (ft bgs) on the central portion of the Site to approximately 32 ft bgs from the top of the railroad embankment. The ground surface elevation of the Site is significantly lower than the top of the railroad embankment, and when factoring in the ground surface elevation difference, the glacial deposits are encountered at similar elevations across the Site and beneath the railroad embankment.

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

### 1.3 Hydrogeology

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

Groundwater elevations of site wells were similar for the shallow and intermediate wells ranging from about 45 to 53 feet above mean sea level (ft-msl). Groundwater elevation contours indicate a consistent groundwater flow direction to the west for the shallow zone wells and the west-northwest for the intermediate zone.

The water table surface of the shallow groundwater follows the general topography of the Site sloping from east to west. The hydraulic gradient is relatively steep (0.06 feet/foot) in the eastern and western portions of the Site and less steep (0.02 feet/foot) in the western portion of the Site with an average gradient of 0.04 feet/foot. A uniform hydraulic gradient of about 0.01 feet/foot is present in the intermediate groundwater across the Site. The estimated groundwater seepage flow velocities, assuming an effective porosity of 20 percent, were calculated for the shallow and intermediate aquifer zones as 0.044 and 0.001 feet per day (ft/day), respectively.

The potential vertical hydraulic gradients in the central portion of the Site indicate a downward potential vertical gradient. However, an upward potential vertical gradient was present along the Site's western boundary. Wells installed offsite to the north of the Site showed variable potential vertical hydraulic gradients, likely due to recharge from rainfall events.

### 1.4 Historical Groundwater Monitoring Event Summary

Three groundwater monitoring events were conducted at the Site prior to 2010. Groundwater sample collection and analysis, and NAPL/groundwater measurements were conducted in 2004, 2005, and 2008.

The groundwater monitoring wells and piezometers were monitored for the presence of NAPL during the May 2004, and June, August and October 2005 product/water level measurement events. An electronic product/water interface probe was used to measure groundwater levels, light non-aqueous phase liquids (LNAPL), dense non-aqueous phase liquids (DNAPL), and total well depth. The product/water level measurement results indicated the absence of LNAPL from all of the wells monitored and the detection of DNAPL in one monitoring well, GCMW-13S. At monitoring well GCMW-13S, a DNAPL thickness of 0.74 feet was measured in June 2005. The DNAPL thickness decreased steadily to 0.54 and 0.34 feet in August and October 2005, respectively.

Total benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations, and total polycyclic aromatic hydrocarbon (PAH) concentrations from these historical sampling events are presented in **Figure 5**.

## 2. Glen Cove Site and Adjacent Offsite Areas

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### 2.1 Q4 2010 Groundwater Monitoring Event Summary

<b>Event Dates:</b>	December 7, 8, and 9, 2010
<b>Site Phase:</b>	Quarterly groundwater monitoring
<b>Location:</b>	The location of the Glen Cove Former MGP Site is depicted in <b>Figure 1</b> .

### 2.2 Monitoring Program

#### 2.2.1 Number of Wells

A total of 21 monitoring wells and piezometers are currently located at or adjacent to the Site. Piezometer PZ-03 is believed to have been destroyed in 2007. Monitoring well and piezometer locations are depicted in **Figure 2**.

#### 2.2.2 Hydrological Data

Groundwater levels were measured at 20 monitoring wells and piezometers on December 9, 2010. Depth to groundwater and calculated groundwater elevations are provided in **Table 1**. Shallow and intermediate groundwater contours for Q4 2010 are depicted in **Figures 3 and 4**, respectively. The groundwater flow direction was generally to the west towards Glen Cove Creek. The ranges in depth to water and water table elevation data for the shallow and intermediate/deep portions of the aquifer in Q4 2010 are presented below.

##### Shallow Groundwater Zone

- Depth to the water table in shallow wells ranged from 4.10 (PZ-07) to 27.55 (GCMW-08S) feet below the well measuring point.
- Water table elevations in shallow wells ranged from 45.69 (GCMW-15) to 53.78 (GCMW-12S and PZ-05) feet above mean sea level (MSL).
- The calculated shallow hydraulic gradient was 0.025 feet/foot.

##### Intermediate/Deep Groundwater Zone

- Depth to groundwater in intermediate/deep wells ranged from 4.75 (GCMW-10I) to 26.32 (GCMW-08D) feet below the well measuring point.
- Groundwater elevations in intermediate/deep wells ranged from 47.46 (PZ-02A) to 52.50 (GCMW-08D) feet above MSL.
- The calculated intermediate hydraulic gradient was 0.012 feet/foot.

### 2.2.3 Groundwater Analytical Data

During Q4 2010, sampling of the site monitoring wells was conducted on December 7 through 9, 2010 and included all accessible wells on the quarterly sampling list. A total of 21 monitoring wells and piezometers were sampled for the following analytes:

- BTEX and methyl tert butyl ether (MTBE) via Environmental Protection Agency (EPA) Method 8260.
- PAHs and semi-volatile organic vapors (SVOCs) via EPA Method 8270.

Chemical data for Q4 2010 is presented in **Table 2**. The Q4 2010 analytical results for total BTEX and total PAH are presented in **Figure 5**.

### 2.2.4 Chemical Data

- Total BTEX concentrations ranged from less than method detection limits (ND) in 17 of the 21 wells sampled, to 1,002 micrograms per liter ( $\mu\text{g/L}$ ) in GCMW-11S in Q4 2010.
- Total PAH concentrations ranged from ND in 15 of the 21 wells sampled, to 11,885  $\mu\text{g/L}$  in GCMW-13S in Q4 2010.
- Detections of non-PAH SVOCs were sparse and included three SVOCs (carbazole, dibenzofuran and phenol) for which no groundwater standards exist.

## 2.3 Data Trend Analysis

### Baseline Data Trend Analysis

Q1 2010 was the first groundwater monitoring event conducted at the Glen Cove Former MGP Site since 2008. Subsequent groundwater monitoring events have been and will be conducted on a quarterly basis. Data trend analyses have been made based on prior sampling events conducted at the Site including 2004, 2005 and 2008 to provide a baseline comparison. Data trend analyses will continue on a quarterly basis to provide a more accurate understanding of site conditions.

In general, fairly consistent BTEX and PAH concentrations have been detected in shallow groundwater on and adjacent to the Site since the first sampling event in 2004. Decreases have been observed in the northwest portion of the Site in PZ-01A from 2004 to Q1 2010 for BTEX (223  $\mu\text{g/L}$  to non-detect) and PAHs (581 to 2  $\mu\text{g/L}$ ).

Between 2008 and Q1 2010, BTEX concentrations decreased in four of the five wells that had detections. Minor increases in BTEX concentrations during 2008 to 2010 were observed in wells GCMW-09S (2 to 98  $\mu\text{g/L}$ ) and GCMW-11I (non-detect to 21  $\mu\text{g/L}$ ).

In Q1 2010, PAH concentrations were below laboratory detection limits in 13 of the 21 wells and piezometers sampled. Decreases in PAH concentrations were observed in four of the



eight wells with detections, from 2008 to 2010. Notably, concentrations decreased during 2008 to 2010 in GCMW-11S (7,421 to 6,462 µg/L) and GCMW-13S (11,047 to 7,128 µg/L). Between 2008 and Q1 2010, PAH concentrations increased in two of the 21 wells and piezometers sampled; from 14 to 180 µg/L in GWMW-08S and from 380 to 543 µg/L in GCMW-09S.

#### Q4 2010 Data Trend Analysis

In Q4 2010, BTEX concentrations were detected in four of the 21 sampled wells and piezometers (GCMW-11I at 23 µg/L, GCMW-09S at 45µg/L, GCMW-13S at 950 µg/L, and GCMW-11S at 1,002 µg/L) and were within the range of historical values. In GCMW-11I, the Q4 2010 concentrations constitute a decreasing trend when compared to historical concentrations. In GCMW-09S and GCMW-13S, historical concentrations have fluctuated and no trend is apparent. In GCMW-11S, the Q4 2010 concentrations constitute a stable trend when compared to historical concentrations.

In Q4 2010, total PAH concentrations were ND in 15 of the 21 wells and piezometers sampled. In two of the six wells with detections, PAH concentrations were low and near groundwater standards. In the remaining four wells with detections, total PAH concentrations ranged from 322 µg/L in GCMW-08S to 11,855 µg/L in GCMW-13S. A decreasing total PAH trend exists with one well (GCMW-09I) when compared to historical concentrations. An increasing total PAH trend exists in one well (GCMW-08S) when compared to historical concentrations. Historical total PAH concentrations fluctuate in GCMW-09S and no trend is discernable. In the remaining two wells with the highest total PAH concentrations (GCMW-11S and GCMW-13S), the associated concentration trends are stable when compared to historical concentrations.

No remediation activities have occurred at the Site between the sampling events and concentration fluctuations may be related to changes in the water table level and other site conditions.

## **2.4 Future Plans**

- Continue quarterly groundwater and NAPL monitoring.
- Phase 1 of planned remedial action activities is scheduled to begin in late Q1 2011 to remove shallow accessible source material at the Site.

## Tables

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Table 1  
Water Level Measurements and Calculated Groundwater Elevations  
Glen Cove Former MGP Site  
Glen Cove, New York

Well ID	Date of Measurement	Screened Interval (feet bgs)	Time of Measurement	Well Casing Diameter (inches)	Well Elevation <sup>1</sup> (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Notes
PZ-01A	12/9/2010	25 - 35	1024	2	57.11	8.74	48.37	
PZ-02A	12/9/2010	18 - 21	1020	2	58.58	11.12	47.46	
PZ-03*	-	14 - 19	-	-	56.76	-	-	
PZ-04	12/9/2010	16 - 19	1120	2	56.96	8.90	48.06	
PZ-05	12/9/2010	8 - 18	1005	2	62.88	9.10	53.78	
PZ-06	12/9/2010	7 - 17	1007	2	58.52	5.48	53.04	
PZ-07	12/9/2010	3 - 10	1012	2	50.36	4.10	46.26	
GCMW-08S	12/9/2010	26 - 36	1051	2	78.59	27.55	51.04	
GCMW-08D	12/9/2010	60 - 70	1052	2	78.82	26.32	52.50	
GCMW-09S	12/9/2010	8 - 18	1023	2	56.81	7.47	49.34	
GCMW-09I	12/9/2010	26 - 36	-	2	56.88	NM	-	
GCMW-10S	12/9/2010	11 - 16	1015	2	52.62	6.71	45.91	
GCMW-10I	12/9/2010	16 - 26	1014	2	53.08	4.75	48.33	
GCMW-11S	12/9/2010	8 - 20	0800	2	57.52	8.33	49.19	
GCMW-11I	12/9/2010	23 - 28	0855	2	57.45	7.80	49.65	
GCMW-12S	12/9/2010	14 - 24	1006	2	66.63	12.85	53.78	
GCMW-13S	12/9/2010	12 - 22	1033	2	57.73	9.24	48.49	
GCMW-13I	12/9/2010	25 - 30	1034	2	57.73	9.10	48.63	
GCMW-14S	12/9/2010	8 - 18	1117	2	58.74	11.31	47.43	
GCMW-14I	12/9/2010	25 - 30	1118	2	58.75	10.61	48.14	
GCMW-15	12/9/2010	6 - 16	1104	2	51.34	5.65	45.69	
GCMW-16	12/9/2010	6 - 16	1103	2	51.29	4.95	46.34	

**Notes:**

bgs - Below Ground Surface

<sup>1</sup> - Well Elevations Obtained From 2008 RI

MSL - Mean Sea Level

\* Destroyed

NM - Not Measured

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

Sample Name: Sample Date:	NYS AWQS	GCMW-08S 12/7/2010	GCMW-08D 12/9/2010	GCMW-09S 12/7/2010	Duplicate of: GCMW-09S 12/7/2010	GCMW-09I 12/7/2010	GCMW-10S 12/7/2010	GCMW-10I 12/7/2010	GCMW-11S 12/9/2010	GCMW-11I 12/9/2010	GCMW-12S 12/9/2010	GCMW-13S 12/9/2010
<b>BTEX (ug/L)</b>												
Benzene	1	1 U	1 U	2	2	1 U	1 U	1 U	140	20	1 U	1 U
Toluene	5	1 U	1 U	2	2	1 U	1 U	1 U	22	1 U	1 U	30
Ethylbenzene	5	1 U	1 U	20	21	1 U	1 U	1 U	420 D	1 U	1 U	330 D
Xylene, total	5	1 U	1 U	21	22	1 U	1 U	1 U	420	3	1 U	590
Total BTEX	NE	ND	ND	45	47	ND	ND	ND	1002	23	ND	950
<b>Other VOCs (ug/L)</b>												
Acetone	50*	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	1 BJ	5 U	1 BJ
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butanone,2-	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60*	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane,1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U
Dichloroethane,1,2-	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene,1,1-	0.07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene,1,2- (total)	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropane,1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, cis-1,3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, trans-1,3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexanone,2-	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10*	10 U	3	10 U	1 J	6 J	10 U	10 U	1 J	38	10 U	6 J
Methyl-2-pentanone,4-	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7	1 U	1 U	6
Tetrachloroethane,1,1,2,2-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	3	1	7	1 U	1	1 U	1 U
Trichloroethane,1,1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane,1,1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

Sample Name: Sample Date:	NYS AWQS	GCMW-08S 12/7/2010	GCMW-08D 12/9/2010	GCMW-09S 12/7/2010	Duplicate of: GCMW-09S 12/7/2010	GCMW-09I 12/7/2010	GCMW-10S 12/7/2010	GCMW-10I 12/7/2010	GCMW-11S 12/9/2010	GCMW-11I 12/9/2010	GCMW-12S 12/9/2010	GCMW-13S 12/9/2010
<b>Non-carcinogenic PAHs (ug/L)</b>												
Acenaphthene	20*	39	10 U	51	54	5 J	10 U	10 U	230 DJ	10 U	10 U	2000 U
Acenaphthylene	NE	28	10 U	3 J	3 J	5 J	10 U	10 U	30	10 U	10 U	14
Anthracene	50*	15	10 U	9 J	9 J	10 U	10 U	10 U	11	10 U	10 U	8 J
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*	15	10 U	8 J	9 J	6 J	10 U	10 U	5 J	10 U	10 U	4 J
Fluorene	50	40	10 U	28	30	10 U	10 U	10 U	56	10 U	10 U	40
Methylnaphthalene,2-	NE	10 U	10 U	11	11	10 U	10 U	10 U	250 DJ	10 U	10 U	770 DJ
Naphthalene	10*	2 J	10 U	300 D	280 D	10 U	10 U	10 U	4100 D	10 U	10 U	11000 D
Phenanthrene	50*	160	10 U	33	32	10 U	10 U	10 U	63	10 U	10 U	45
Pyrene	50*	17	10 U	8 J	8 J	6 J	10 U	10 U	5 J	10 U	10 U	4 J
<b>Carcinogenic PAHs (ug/L)</b>												
Benz[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	2 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 UJ	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*	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz[a,h]anthracene	NE	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
<b>Total PAHs (ug/L)</b>												
Total PAHs	NE	322	ND	451	436	22	ND	ND	4750	ND	ND	11885
<b>Other SVOCs (ug/L)</b>												
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromophenyl phenyl ether,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NE	10 U	10 U	1 J	1 J	10 U	10 U	10 U	22	10 U	10 U	8 J
Chloro-3-methylphenol,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroaniline,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloronaphthalene,2-	10*	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenol,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenyl phenyl ether,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NE	11	10 U	7 J	8 J	10 U	10 U	10 U	11	10 U	10 U	9 J

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

	Sample Name: Sample Date:	NYS AWQS	GCMW-08S 12/7/2010	GCMW-08D 12/9/2010	GCMW-09S 12/7/2010	Duplicate of: GCMW-09S 12/7/2010	GCMW-09I 12/7/2010	GCMW-10S 12/7/2010	GCMW-10I 12/7/2010	GCMW-11S 12/9/2010	GCMW-11I 12/9/2010	GCMW-12S 12/9/2010	GCMW-13S 12/9/2010
Dichlorobenzene, 1,2-		3	10 U	10 U	10 U	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	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	10 U	10 U	10 U
Dichlorobenzidine, 3,3'-		5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorophenol, 2,4-		5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphenol, 2,4-		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinitro-2-methylphenol, 4,6-		NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-		10*	25 U	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrotoluene, 2,4-		5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinitrotoluene, 2,6-		5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene		0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene		0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 4-		1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 2-		1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

	Sample Name: Sample Date:	NYS AWQS	GCMW-08S 12/7/2010	GCMW-08D 12/9/2010	GCMW-09S 12/7/2010	Duplicate of: GCMW-09S 12/7/2010	GCMW-09I 12/7/2010	GCMW-10S 12/7/2010	GCMW-10I 12/7/2010	GCMW-11S 12/9/2010	GCMW-11I 12/9/2010	GCMW-12S 12/9/2010	GCMW-13S 12/9/2010
Nitroaniline,2-		5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline,3-		5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline,4-		5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene		0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol,2-		NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol,4-		NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodi-n-propylamine		NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine		50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol		1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol		1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
Trichlorobenzene,1,2,4-		5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol,2,4,5-		NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol,2,4,6-		NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

Sample Name: Sample Date:	NYS AWQS	GCMW-13I 12/9/2010	GCMW-14S 12/8/2010	GCMW-14I 12/8/2010	GCMW-15 12/8/2010	GCMW-16 12/8/2010	PZ-01A 12/7/2010	PZ-02A 12/7/2010	Duplicate of: PZ-02A 12/7/2010	PZ-04 12/8/2010	PZ-05 12/9/2010	PZ-06 12/9/2010	PZ-07 12/7/2010
<b>BTEX (ug/L)</b>													
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene, total	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total BTEX	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Other VOCs (ug/L)</b>													
Acetone	50*	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50*	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Butanone, 2-	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	60*	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,1-	5	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethane, 1,2-	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, 1,1-	0.07	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroethene, 1,2- (total)	NE	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropane, 1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, cis-1,3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloropropene, trans-1,3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexanone, 2-	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10*	21	10 U	10 U	10 U	1 J	10 U	10 U	10 U	1	10 U	10 U	10 U
Methyl-2-pentanone, 4-	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethane, 1,1,2,2-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	3	1 U	1	1 U	2	3	1 U	1 U	1 U	1 U	1 U	17
Trichloroethane, 1,1,1-	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethane, 1,1,2-	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1	2	1 U	1 U	1 U	1 U	1 U	1 U	1
Vinyl chloride	2	1 U	1 U	1 U	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U



Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

Sample Name: Sample Date:	NYS AWQS	GCMW-13I 12/9/2010	GCMW-14S 12/8/2010	GCMW-14I 12/8/2010	GCMW-15 12/8/2010	GCMW-16 12/8/2010	PZ-01A 12/7/2010	PZ-02A 12/7/2010	Duplicate of: PZ-02A 12/7/2010	PZ-04 12/8/2010	PZ-05 12/9/2010	PZ-06 12/9/2010	PZ-07 12/7/2010
<b>Non-carcinogenic PAHs (ug/L)</b>													
Acenaphthene	20*	10 U	10 U	10 U	1 J	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	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	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 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	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	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	10 U	10 U	10 U	10 U
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Phenanthrene	50*	10 U	10 U	10 U	1 J	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
<b>Carcinogenic PAHs (ug/L)</b>													
Benz[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 UJ	10 UJ	10 UJ	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
Dibenz[a,h]anthracene	NE	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
<b>Total PAHs (ug/L)</b>													
Total PAHs	NE	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
<b>Other SVOCs (ug/L)</b>													
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(chloroisopropyl)ether	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromophenyl phenyl ether,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	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
Carbazole	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloro-3-methylphenol,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroaniline,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloronaphthalene,2-	10*	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Chlorophenol,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorophenyl phenyl ether,4-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

	Sample Name: Sample Date:	NYS AWQS	GCMW-13I 12/9/2010	GCMW-14S 12/8/2010	GCMW-14I 12/8/2010	GCMW-15 12/8/2010	GCMW-16 12/8/2010	PZ-01A 12/7/2010	PZ-02A 12/7/2010	Duplicate of: PZ-02A 12/7/2010	PZ-04 12/8/2010	PZ-05 12/9/2010	PZ-06 12/9/2010	PZ-07 12/7/2010
Dichlorobenzene, 1,2-	3	10 U	10 U	10 U	10 U	10 U	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	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	10 U	10 U	10 U	10 U	10 U
Dichlorobenzidine, 3,3'-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorophenol, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	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	10 U
Dimethyl phthalate	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	10 U
Dimethylphenol, 2,4-	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	10 U
Di-n-butyl phthalate	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	10 U
Dinitro-2-methylphenol, 4,6-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dinitrophenol, 2,4-	10*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ	25 UJ	25 U
Dinitrotoluene, 2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinitrotoluene, 2,6-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	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	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ
Isophorone	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	10 U
Methylphenol, 4-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylphenol, 2-	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

	Sample Name: Sample Date:	NYS AWQS	GCMW-13I 12/9/2010	GCMW-14S 12/8/2010	GCMW-14I 12/8/2010	GCMW-15 12/8/2010	GCMW-16 12/8/2010	PZ-01A 12/7/2010	PZ-02A 12/7/2010	Duplicate of: PZ-02A 12/7/2010	PZ-04 12/8/2010	PZ-05 12/9/2010	PZ-06 12/9/2010	PZ-07 12/7/2010
Nitroaniline,2-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline,3-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitroaniline,4-	5	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol,2-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrophenol,4-	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodi-n-propylamine	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	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	10 U
Pentachlorophenol	1	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorobenzene,1,2,4-	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol,2,4,5-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorophenol,2,4,6-	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2  
Groundwater Analytical Results - Q4 2010  
Glen Cove Former MGP Site  
Glen Cove, New York

**Notes:**

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

BTEX - benzene, toluene, ethylbenzene, and xylenes

VOCs - volatile organic compounds

PAHs - polycyclic aromatic hydrocarbons

SVOCs - semivolatile organic compounds

Total BTEX and Total VOCs are calculated using detects only.

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

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

NE - not established

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

Bolding indicates a detected concentration

Shading and bolding indicates that the detected concentration is above the NYS AWQS objective it was compared to

**Data Qualifiers:**

B - Analyte detected in the associated method blank

BJ - Analyte was detected in a sample at a level between three and five times that of the blank and estimated result

D - Results for dilution

J - estimated value

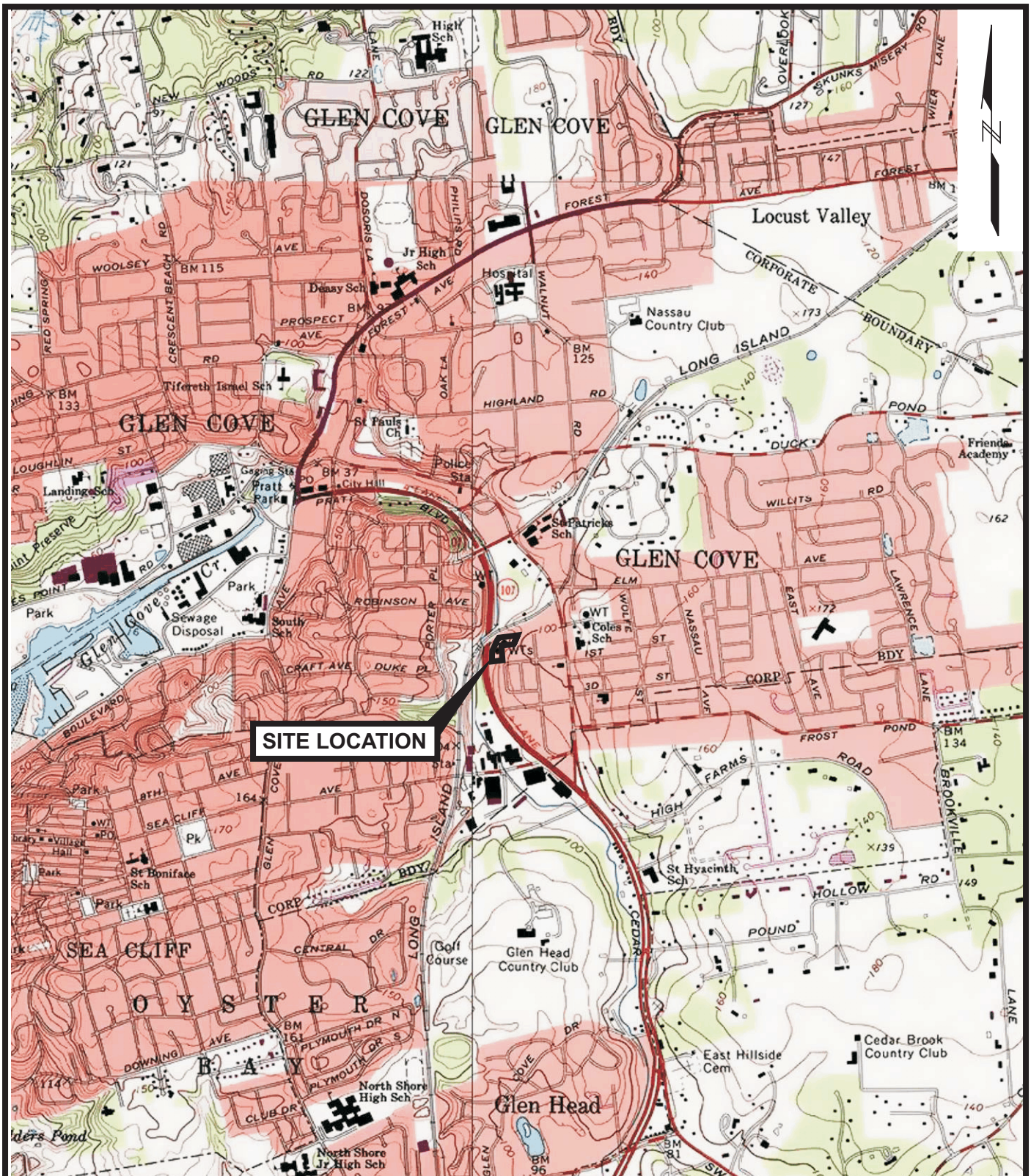
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

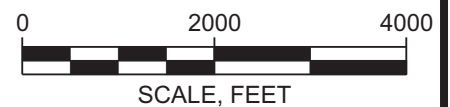
## Figures

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GLEN COVE FORMER MGP SITE  
GLEN COVE, NEW YORK

**nationalgrid**



Project 093270-5-1504

**SITE LOCATION MAP**

February 2011

Figure 1



