



Geotechnical
Environmental and
Water Resources
Engineering

**Quarterly Groundwater Monitoring Report
First Quarter (Q1) 2010**

Sag Harbor Former MGP Site

Village of Sag Harbor
Suffolk County, Long Island, NY
Site ID No. 1-52-159

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1. Sag Harbor Site and Adjacent Off-Site Areas

Q1 2010 Groundwater Monitoring Event Summary

Event Date: March 19-25, 2010

Site Phase: Quarterly groundwater monitoring

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

Monitoring Program: *Number of Wells:* A total of 16 monitoring wells are currently located in the vicinity of the site (see **Figure 2**). MW-05 was destroyed sometime between March and June 2007. Monitoring wells MW-01, MW-02, MW-03, MW-04, MW-06, SHMW-01S, SHMW-01I, SHMW-02I, SHMW-02D, SHMW-04S, SHMW-04I, SHMW-05S, SHMW-05I, SHMW-06S, and SHMW-06I were abandoned prior to the Q1 2009 sampling event due to the remediation activities being conducted at the site.

Hydrological Data: Groundwater levels were measured at 15 of 16 remaining monitoring wells. A car was parked over monitoring well SHMW-09S, preventing access to the well. Depth to groundwater and calculated groundwater elevations are provided on **Table 1**. The measuring points of MW-07S and MW-07I have been altered and therefore, the calculated groundwater elevations are not accurate. As a result, they were not used in preparation of the groundwater contour maps. Shallow and intermediate groundwater contours for high and low tidal conditions are depicted in **Figures 3 through 6**. The groundwater flow direction was generally to the west towards Sag Harbor Cove. The ranges in depth to water and water table elevation data, as well as calculated hydraulic gradients for the shallow and intermediate portions of the aquifer in Q1 2010 were as follows:

- Depth to the water table in shallow wells at high tide ranged from -0.22 (SHMW-12S) to

4.71 (SHMW-11S) feet below the well measuring point. SHMW-12S was artesian at high tide.

- Water table elevations in shallow wells at high tide ranged from 1.03 (SHMW-11S) to 5.21 (SHMW-8S) feet above mean sea level (MSL).
- Depth to the water table in shallow wells at low tide ranged from -0.19 (SHMW-12S) to 5.33 (SHMW-11S) feet below the well measuring point. SHMW-12S was artesian at low tide.
- Water table elevations in shallow wells at low tide ranged from 0.41 (SHMW-11S) to 5.14 (SHMW-8S) feet above MSL.
- The calculated shallow hydraulic gradient for high tide was 0.0040 feet/foot. The calculated shallow hydraulic gradient for low tide was 0.0049 feet/foot.
- Depth to groundwater in intermediate wells at high tide ranged from -0.35 (SHMW-12I) to 4.40 (SHMW-11I) feet below the well measuring point. SHMW-12I was artesian at high tide.
- Groundwater elevations in intermediate wells at high tide ranged from 1.39 (SHMW-11I) to 4.08 (SHMW-13I) feet above MSL.
- Depth to groundwater in intermediate wells at low tide ranged from -0.33 (SHMW-12I) to 5.62 (SHMW-11I) feet below the well measuring point. SHMW-12I was artesian at low tide.
- Groundwater elevations in intermediate wells at low tide ranged from -0.17 (SHMW-11I) to 3.62 (SHMW-12I) feet above MSL.
- The calculated intermediate hydraulic gradient for high tide was 0.0024 feet/foot. The calculated intermediate hydraulic gradient for low tide was 0.0031 feet/foot.

*NAPL
 Thickness
 Data:*

Table 2 provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q1 2010, all of the monitoring wells were monitored for NAPL as part of the groundwater monitoring program. There was no evidence of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) in any of the monitoring wells during Q1 2010.

*Chemical
Data:*

A total of seven monitoring wells were sampled for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE) by Environmental Protection Agency (EPA) Method 8260, and for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270. Well SHMW-07I was not sampled because it had approximately 10 feet of sand in the bottom of the well and SHMW-09S was not sampled due to access restrictions at the property. Well sampling was performed on March 24 and 25, 2010 and included all accessible shallow wells on the quarterly sampling list.

Chemical data for Q1 2010 (see **Table 3**) indicate:

- Total BTEX concentrations ranged from below method detection limits (ND) in 3 of 7 wells sampled to **1,825** micrograms per liter (µg/L) in SHMW-07S.
- Total PAH concentrations ranged from ND in 4 of 7 wells sampled to **3,410** µg/L in SHMW-07S.

**Data Trend
Analysis:**

In general, fairly consistent BTEX and PAH concentrations (see historical data in **Tables 4** and **5**) have been detected in shallow groundwater on and adjacent to the site when compared to previous sampling events. During Q1 2010, BTEX concentrations were below laboratory detection limits (ND) in three of the seven shallow wells sampled. In three of the four shallow wells that had detectable BTEX concentrations (SHMW-03S, SHMW-08S, and SHMW-12S), the BTEX concentrations detected were lower than or equal to the respective mean concentrations. In the remaining well (SHMW-07S), the BTEX concentration was above the mean for this well; however, the concentration has decreased in the last two sampling events and was within the historical range. Relatively minor increases in BTEX concentrations were observed in shallow wells SHMW-03S and SHMW-08S, where no discernable trend has been identified. The BTEX concentration in SHMW-12S increased from 58 µg/L in Q4 2009 to 222 µg/L in Q1 2010; however, the detected concentrations in this well have been varied historically with no trend identified.

In Q1 2010, PAH concentrations were ND in four of the seven shallow wells sampled. In two of the three shallow wells (SHMW-07S and SHMW-12S) that had detectable PAH concentrations, the PAH concentration was lower than its respective mean and had decreased from Q4 2009 levels. The Q1 2010 concentration in

monitoring well SHMW-08S (129 ug/L) was the highest concentration recorded during the historical monitoring period and continues an increasing trend.

MTBE concentrations remained ND limits in all of the seven wells sampled.

Variable dissolved constituent concentrations detected in shallow groundwater over the past sampling events are likely due, in part, to the rise and fall of the water table resulting in periods of both decreased and increased dissolution of adsorbed BTEX and PAHs trapped beneath the groundwater/air interface.

The historical NAPL data (see **Table 2**) indicates that measurable quantities of NAPL have primarily been found in two on-site shallow monitoring wells (MW-02 and MW-05), one on-site intermediate well (SHMW-02I), and one off-site shallow well (SHMW-04S).

Historically, trace amounts of NAPL have been found in two on-site shallow wells (MW-03 and MW-04), and one off-site shallow well (SHMW-06S). All of the wells in which NAPL has been historically detected were either destroyed or abandoned prior to the Q1 2010 groundwater monitoring event.

Current Plans: Continue quarterly groundwater and NAPL monitoring at accessible monitoring wells. A replacement monitoring well installation work plan was submitted to NYSDEC in June 2010. It is anticipated that the replacement groundwater and NAPL monitoring wells will be installed and sampled in late Q3 2010. All existing and new wells will be surveyed after the new wells have been installed.

Tables

Table 1
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Water Level Measurements and Calculated Water Elevations - Q1 2010

Well ID	Top of Casing Elevation (ft)	Tide	Time	3/19/2010		Notes
				Depth to Water (ft)	Groundwater Elevation (ft)	
MW-01	5.09	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-02	4.48	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-03	4.59	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-04	4.13	High	--	--	--	Well abandoned
		Low	--	--	--	
MW-05	5.07	High	--	--	--	Well destroyed
		Low	--	--	--	
MW-06	5.38	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-01S	4.52	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-01I	4.47	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-02I	5.22	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-02D	5.19	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-03S	5.43	High	13:52	2.48	2.95	
		Low	7:29	2.62	2.81	
SHMW-03I	5.43	High	13:52	1.72	3.71	
		Low	7:29	2.64	2.79	
SHMW-04S	5.71	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-04I	5.71	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-05S	6.23	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-05I	6.14	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-06S	4.44	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-06I	4.43	High	--	--	--	Well abandoned
		Low	--	--	--	
SHMW-07S	5.05	High	13:38	0.33	4.72	Measuring point lowered (well to be resurveyed)
		Low	7:41	0.39	4.66	
SHMW-07I	5.00	High	13:38	1.06	3.94	Measuring point lowered (well to be resurveyed)
		Low	7:42	1.59	3.41	
SHMW-08S	5.26	High	13:47	0.05	5.21	
		Low	7:46	0.12	5.14	
SHMW-08I	5.08	High	13:47	1.09	3.99	
		Low	7:47	1.78	3.30	
SHMW-09S	4.36	High	NM	NM	NM	Car parked over well
		Low	NM	NM	NM	
SHMW-09I	4.41	High	13:30	0.80	3.61	
		Low	7:37	1.20	3.21	
SHMW-10S	5.91	High	13:20	3.94	1.97	
		Low	7:31	4.49	1.42	
SHMW-10I	5.89	High	13:20	3.30	2.59	
		Low	7:32	4.32	1.57	
SHMW-11S	5.74	High	13:27	4.71	1.03	
		Low	7:34	5.33	0.41	
SHMW-11I	5.79	High	13:27	4.40	1.39	
		Low	7:35	5.62	0.17	
SHMW-12S	3.42	High	13:22	-0.22	3.64	Artesian
		Low	7:39	-0.19	3.61	
SHMW-12I	3.29	High	13:33	-0.35	3.64	Artesian
		Low	7:40	-0.33	3.62	
SHMW-13S	4.68	High	13:41	0.15	4.53	
		Low	7:43	0.15	4.53	
SHMW-13I	4.70	High	13:42	0.62	4.08	
		Low	7:44	1.16	3.54	

-- Not Available

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
MW-01	None Observed	Odor	None Observed	Not Checked	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
MW-02	Approx. 0.16' of DNAPL, sheen on surface	Approx. 0.15' of DNAPL, sheen on surface	Approx. 0.29' of DNAPL	Approx. 0.2' of DNAPL	Approx. 0.01' of DNAPL, 1.0' intermittent DNAPL	Approx. 0.1' of DNAPL	Approx. 0.11' of DNAPL	Approx. 0.16' of DNAPL	Approx. 0.15' of DNAPL	Approx. 0.15' of DNAPL	Trace DNAPL at bottom of tape	Approx. 0.13' of DNAPL	Approx. 0.09' DNAPL, naphthalene-like odor	Approx. 0.01' DNAPL
MW-03	Intermittent DNAPL for 1.5'	Approx. 0.03' of DNAPL, naphthalene-like odor	NR	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	None, naphthalene-like odor	No DNAPL observed
MW-04	None Observed	Approx. 0.02' of DNAPL, naphthalene-like odor	NR	Trace DNAPL at bottom of tape	None Observed	None Observed	Trace DNAPL at bottom of tape	Not Checked (under snow pile)	None Observed	None Observed	None Observed	Trace DNAPL at bottom of tape	Trace DNAPL at bottom of tape	Trace DNAPL
MW-05	Blebs of LNAPL	Approx. 1.0' of DNAPL, naphthalene-like odor	Approx. 0.75' of DNAPL	Approx. 4.5' of LNAPL/NAPL	Approx. 0.35' of DNAPL, 3.6' intermittent DNAPL	Trace DNAPL at bottom of tape, bubbles in WC	Trace DNAPL at bottom of tape	Approx. 0.6' of DNAPL, approx. 0.02' of LNAPL	Sporadic DNAPL, approx. 0.1' of LNAPL	Sporadic DNAPL, approx. 0.1' of LNAPL	Approx. 3.0' of DNAPL	Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL	DNAPL blebs in purge H ₂ O, 0.5' DNAPL coating on tubes	Approx. 0.15' of DNAPL, approx. 0.1' of LNAPL
MW-06	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01S	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-01I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-02I	None Observed	Approx. 4.9' of DNAPL, sheen	Approx. 4.7' of DNAPL	Approx. 4.9' of DNAPL	Approx. 1.0' of DNAPL, 3.0' intermittent DNAPL	Approx. 0.6' of DNAPL	Approx. 0.65' of DNAPL	Approx. 0.5' of DNAPL	Approx. 0.45' of DNAPL	Approx. 1.1' of DNAPL	Approx. 0.75' of DNAPL	Approx. 0.4' of DNAPL	Approx. 1.3' of DNAPL, naphthalene-like odor	Approx. 0.35' of DNAPL
SHMW-02D	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
SHMW-03S	None Observed	Odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-03I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-04S	None Observed	Approx. 0.6' of DNAPL, naphthalene-like odor	NR	Approx. 0.7' of DNAPL, 2.3' intermittent DNAPL	Approx. 0.55' of DNAPL	Approx. 0.29' of DNAPL	Approx. 0.35' of DNAPL	Approx. 0.22' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.90' of DNAPL	Approx. 0.26' of DNAPL	Approx. 0.5' DNAPL, naphthalene-like odor	Approx. 0.25' of DNAPL
SHMW-04I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-05S	None Observed	Blebs of DNAPL in purge water, odor	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	No DNAPL observed
SHMW-05I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-06S	Slight sheen and naphthalene-like odor	Naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	Trace DNAPL at bottom of tape	Approx. 0.10' DNAPL, naphthalene-like odor	Trace DNAPL
SHMW-06I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07S	Sheen and naphthalene-like odor	Slight odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-07I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-08S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
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Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	May 2002 Observations	May 2004 Observations	August 2004 Observations	October 2004 Observations	November 2004 Observations	December 2004 Observations	January 2005 Observations	February 2005 Observations	March 2005 Observations	April/Q1 2005 Observations	June/Q2 2005 Observations	September/Q3 2005 Observations	December/Q4 2005 Observations	March/Q1 2006 Observations
SHMW-08I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09S	None Observed	Slight naphthalene-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-09I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-10I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-11I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12S	None Observed	Sheen, strong sulfur-like odor	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-12I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13S	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
SHMW-13I	None Observed	None Observed	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
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Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations	December/Q4 2009 Observations	March/Q1 2010 Observations
MW-01	NR	NR	NR	NR	NR	NR	None Observed	None Observed	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-02	Approx. 0.12' of DNAPL	Approx. 0.15' DNAPL	Approx. 0.10' DNAPL	Approx. 0.20' DNAPL	Approx. 0.07' DNAPL	Approx. 0.11' DNAPL	Approx. ~0.08'	Trace DNAPL	Moderate DNAPL; not measureable	Trace DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-03	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	No DNAPL observed	Trace DNAPL (coating on tubes)	None Observed	Trace DNAPL (coating on tubes)	Trace	Trace DNAPL (On bottom 1.5' of tubes)	Trace DNAPL	Trace DNAPL (0.05' at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-04	Trace DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.02'	NR	Trace DNAPL	Trace DNAPL (at bottom of tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
MW-05	Approx. 0.22' DNAPL; 0.05' of LNAPL	Approx. 0.55' DNAPL; 0.06' of LNAPL	Trace LNAPL; DNAPL in purge water (not measurable)	Trace LNAPL; DNAPL in purge water (not measurable)	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed	Well Destroyed
MW-06	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-01I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-02I	Approx. 0.43' of DNAPL	Approx. 0.5' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Approx. ~0.60'	Approx. 3' DNAPL	Approx. 1.5' DNAPL	Approx. 4' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-02D	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned

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Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations	December/Q4 2009 Observations	March/Q1 2010 Observations
SHMW-03S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-03I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	None Observed	NR	None Observed	NR	None Observed	None Observed
SHMW-04S	Approx. 0.5' of DNAPL	Approx. 0.25' of DNAPL	Approx. 0.30' of DNAPL	Approx. 0.40' DNAPL	Approx. 0.50' DNAPL	Approx. 0.5' DNAPL	Approx. ~0.61'	Approx. 1.05' DNAPL	Approx. 0.6' DNAPL	Approx. 0.75' DNAPL	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-04I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05S	None Observed	None Observed	None Observed	None Observed	None Observed	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-05I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06S	Approx. 0.2' of DNAPL	Approx. 0.2' of DNAPL	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace DNAPL (coating on tubes)	Trace	Trace DNAPL (on tubing)	Trace DNAPL	Trace DNAPL (on tubing)	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-06I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned	Well Abandoned
SHMW-07S	NR	NR	NR	None Observed	NR	NR	Trace	NR	NR	Trace DNAPL (on side of tubing approx 1' off bottom)	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	Trace DNAPL (on side of tubing)	None Observed	None Observed
SHMW-07I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed (approximately 10 feet of sand present in well)	None Observed (approximately 10 feet of sand present in well)
SHMW-08S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	None Observed	None Observed	None Observed

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 2
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical NAPL Observations

Well ID	June/Q2 2006 Observations	September/Q3 2006 Observations	December/Q4 2006 Observations	March/Q1 2007 Observations	June/Q2 2007 Observations	September/Q3 2007 Observations	December/Q4 2007 Observations	March/Q1 2008 Observations	June/Q2 2008 Observations	September/Q3 2008 Observations	December/Q4 2008 Observations	March/Q1 2009 Observations	June/Q2 2009 Observations	September/Q3 2009 Observations	December/Q4 2009 Observations	March/Q1 2010 Observations
SHMW-08I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	Well Inaccessible or Abandoned	Well Inaccessible	None Observed	NR	None Observed	None Observed
SHMW-09S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	Well Inaccessible	None Observed	None Observed	None Observed	Well Inaccessible
SHMW-09I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-10S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-10I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-11S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-11I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-12S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-12I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed
SHMW-13S	NR	NR	NR	None Observed	NR	NR	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed	None Observed
SHMW-13I	NR	NR	NR	None Observed	NR	NR	None Observed	NR	NR	NR	NR	NR	NR	NR	None Observed	None Observed

Notes:
DNAPL - Dense Non-aqueous Phase Liquid
LNAPL - Light Non-aqueous Phase Liquid
WC - Water Column
NR - Gauging Not Required

Table 3
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of BTEX, MTBE and PAH Results - Q1 2010

Sample Name: Sample Date:	NYS AWQS	SHMW-03S 3/24/2010	Duplicate of: SHMW-03S 3/24/2010	SHMW-07S 3/25/2010	SHMW-08S 3/24/2010	SHMW-10S 3/25/2010	SHMW-11S 3/24/2010	SHMW-12S 3/25/2010	SHMW-13S 3/24/2010
BTEX (ug/L)									
Benzene	1	6 J	6 J	410	6 J	10 U	10 U	180	10 U
Toluene	5	10 U	10 U	45	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5	20	20	790	10 U	10 U	10 U	15	10 U
Xylene, total	5	14	14	580	10 U	10 U	10 U	27	10 U
Total BTEX	NE	40	40	1,825	6	ND	ND	222	ND
Other VOCs (ug/L)									
Methyl tert-butyl ether	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Non-carcinogenic PAHs (ug/L)									
Acenaphthene	20*	10 U	16	150 J	23	10 U	10 U	4 J	10 U
Acenaphthylene	NE	10 U	1 J	3 J	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	11	3 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	10 U
Fluoranthene	50*	10 U	10 U	6	4 J	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	35	12	10 U	10 U	10 U	10 U
Methylnaphthalene,2-	NE	10 U	10 U	250 J	5	10 U	10 U	3 J	10 U
Naphthalene	10*	10 U	10 U	2,900	55	10 U	10 U	170	10 U
Phenanthrene	50*	10 U	10 U	49	23	10 U	10 U	10 U	10 U
Pyrene	50*	10 U	10 U	6	4 J	10 U	10 U	10 U	10 U
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
Dibenz[a,h]anthracene	NE	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 PAHs (ug/L)									
Total PAHs	NE	ND	17	3,410	129	ND	ND	177	ND

Table 3
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of BTEX, MTBE and PAH Results - Q1 2010

Notes:

Analytes in red are not detected in any sample

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 PAHs 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

Bolding indicates a detected concentration

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

Validation Qualifiers:

J - estimated value

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

Table 4
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical Total BTEX Results

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)																	
		Sampling Date																	
		1995	2000		2002	2004		2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	2,720	10	68	9	4	0	0	12	67	0	21	47	310	190	160	240	150	270
MW-02	0.50 - 7.25	5,429	8,840	7,940	5,840	13,287	8,740	7,333	13,010	--	13,720	7,591	--	14,174	12,267	8,678	12,810	15,181	98
MW-03	2.17 - 10.17	1,222	668	1,553	1,363	2,573	--	2,050	2,867	560	2,622	4,880	1,971	4,965	2,398	1,680	2,930	3,225	2,831
MW-04	1.25 - 6.81	864	35	--	10	208	--	0	0	225	299	268	193	181	101	0	51	89	66
MW-05	2.46 - 7.46	9,100	170	5	102	11,600	2,938	2,697	18,900	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	334	47	30	91	49	--	33	55	39	36	74	37	11	54	0	37	31	0
SHMW-01S	1.0 - 6.0	--	--	1,413	874	2,102	--	1,367	1,810	406	1,313	2,562	2,085	5,183	2,915	691	2,460	2,600	1,684
SHMW-01I	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	0	--	--	--
SHMW-02I	35.0 - 45.0	--	--	26	0	1,179	16	20	20	19	25	0	0	0	0	--	11	12	15
SHMW-02D	65.0 - 75.0	--	--	5	4	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-03S	2.0 - 12.0	--	--	63	0	110	--	48	53	46	75	131	67	97	13	122	80	12	50
SHMW-03I	35.0 - 45.0	--	--	0	52	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-04S	2.0 - 12.0	--	--	7,940	3,154	12,180	--	9,369	17,730	8,960	21,920	25,860	9,361	18,398	10,489	6,883	20,488	16,120	10,378
SHMW-04I	35.0 - 45.0	--	--	5	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-05S	2.0 - 12.0	--	--	37	69	83	--	107	282	2,960	115	202	45	43	26	35	458	676	98
SHMW-05I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	--	--	2,392	2,463	3,057	--	2,630	1,950	--	2,910	2,622	1,702	4,289	2,196	1,475	2,285	2,162	1,565
SHMW-06I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-07S	1.0 - 11.0	--	--	2,011	1,562	414	--	1,482	3,340	2,458	1,722	1,400	1,060	--	1,137	185	--	2,139	726
SHMW-07I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-08S	1.0 - 7.0	--	--	5	2	9	--	0	14	0	15	11	0	19	0	0	0	0	12
SHMW-08I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-09S	2.0 - 12.0	--	--	1,024	506	1,100	--	500	1,000	--	920	1,130	770	768	500	418	1,240	178	600
SHMW-09I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-10S	5.0 - 15.0	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-12S	1.5 - 6.5	--	--	--	0	344	--	142	930	69	290	140	463	581	182	85	623	81	0
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	23
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0

Table 4
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical Total BTEX Results

Well No.	Screen Interval (feet)	Total BTEX Concentrations (µg/L)											
		Sampling Date									Min	Max	Mean
		2008				2009				2010			
		March	June	Sep	Dec	March	June	Sept	Dec	March			
MW-01	1.50 - 7.32	337	141	208	--	--	--	--	--	--	0	2,720	236
MW-02	0.50 - 7.25	8,865	7,415	2,240	--	--	--	--	--	--	98	15,181	9,129
MW-03	2.17 - 10.17	2,842	2,241	2,875	--	--	--	--	--	--	560	4,965	2,416
MW-04	1.25 - 6.81	--	15	79	--	--	--	--	--	--	0	864	149
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	5	18,900	5,689
MW-06	2.47 - 7.47	1	33	7	--	--	--	--	--	--	0	334	50
SHMW-01S	1.0 - 6.0	1,595	306	243	--	--	--	--	--	--	243	5,183	1,756
SHMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	5	1
SHMW-02I	35.0 - 45.0	18	41	29	--	--	--	--	--	--	0	1,179	80
SHMW-02D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	0	5	2
SHMW-03S	2.0 - 12.0	3	0	5	13	111	24	4	9	40	0	131	47
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	52	6
SHMW-04S	2.0 - 12.0	7,567	8,059	7,561	--	--	--	--	--	--	3,154	25,860	12,357
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	5	1
SHMW-05S	2.0 - 12.0	77	83	64	--	--	--	--	--	--	26	2,960	303
SHMW-05I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
SHMW-06S	2.0 - 6.0	1,296	1,343	1,298	--	--	--	--	--	--	1,296	4,289	2,214
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
SHMW-07S	1.0 - 11.0	--	1,075	1,374	--	--	1,500	3,472	2,183	1,825	185	3,472	1,635
SHMW-07I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
SHMW-08S	1.0 - 7.0	8	9	10	--	--	5	5	4	6	0	19	6
SHMW-08I	35.0 - 45.0	--	--	--	--	--	0	--	0	--	0	0	0
SHMW-09S	2.0 - 12.0	1,039	1,298	671	483	--	584	455	224	--	178	1,298	741
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	0	0
SHMW-10S	5.0 - 15.0	0	1	0	0	0	0	0	0	0	0	1	0
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	0	0	0
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	0	0
SHMW-12S	1.5 - 6.5	166	482	111	279	28	315	45	58	222	0	930	252
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	2	--	0	23	4
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	0	0

NOTES:

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylene

Table 5
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical Total PAH Results

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)																	
		Sampling Date																	
		1995	2000		2002	2004		2005				2006				2007			
		Nov	Mar	Apr	May	May	Aug	Mar/Apr	June	Sept	Dec	March	June	Sept	Dec	March	June	Sept	Dec
MW-01	1.50 - 7.32	4,906	1,548	257	402	30	24	0	61	200	0	0	0	97	95	0	54	87	39
MW-02	0.50 - 7.25	6,991	5,511	5,114	10,729	25,167	4,414	5,809	10,504	--	6,919	5,209	--	0	8,617	3,150	7,421	5,398	165
MW-03	2.17 - 10.17	7,034	3,065	3,433	3,774	3,522	--	2,272	4,557	516	92	1,256	565	4,831	6,212	349	489	463	2,904
MW-04	1.25 - 6.81	3,612	75	--	0	90	--	0	22	1,098	103	11	37	66	31	0	66	238	6
MW-05	2.46 - 7.46	16,386	779	101	1,160	431,600	2,049	918	188,200	--	--	--	--	--	--	--	--	--	--
MW-06	2.47 - 7.47	5,416	894	653	258	33	--	90	79	204	0	22	0	0	645	35	46	17	0
SHMW-01S	1.0 - 6.0	--	--	4,147	2,663	2,424	--	1,989	2,185	840	0	42	115	3,989	3,874	0	1,058	1,691	42
SHMW-01I	35.0 - 45.0	--	--	32	0	0	--	--	--	--	0	--	--	--	0	--	--	--	--
SHMW-02I	35.0 - 45.0	--	--	266	0	580,200	41	185	124	271	30	74	32	91	89	0	10	175	32
SHMW-02D	65.0 - 75.0	--	--	308	76	89	--	--	--	--	0	--	--	--	0	--	--	--	15
SHMW-03S	2.0 - 12.0	--	--	422	0	295	--	79	130	117	339	0	0	147	118	430	191	12	154
SHMW-03I	35.0 - 45.0	--	--	2	320	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-04S	2.0 - 12.0	--	--	4,275	5,107	5,965	--	3,959	6,669	4,684	5,879	2,364	3,572	4,196	6,250	2,632	3,999	4,693	4,305
SHMW-04I	35.0 - 45.0	--	--	18	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-05S	2.0 - 12.0	--	--	13	170	94	--	82	91	26	53	17	11	11	110	0	0	14	8
SHMW-05I	35.0 - 45.0	--	--	0	17	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-06S	2.0 - 6.0	--	--	4,130	4,694	3,024	--	3,162	2,366	--	4,157	120	201	3,900	4,062	1,703	3,574	4,368	380
SHMW-06I	35.0 - 45.0	--	--	2	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-07S	1.0 - 11.0	--	--	7,211	6,585	2,708	--	3,224	4,604	6,187	3,507	2,004	3,119	--	3,721	0	--	3,902	4
SHMW-07I	35.0 - 45.0	--	--	0	0	0	--	--	--	--	0	--	--	--	2,212	--	--	--	0
SHMW-08S	1.0 - 7.0	--	--	110	71	94	--	25	70	33	83	112	57	77	99	13	90	10	13
SHMW-08I	35.0 - 45.0	--	--	13	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-09S	2.0 - 12.0	--	--	1,787	2,472	1,697	--	1,463	1,600	--	2,609	94	1,935	1,138	2,737	48	206	2,246	130
SHMW-09I	35.0 - 45.0	--	--	3	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-10S	5.0 - 15.0	--	--	--	22	6	--	0	0	0	0	0	0	0	0	0	0	0	1
SHMW-10I	35.5 - 45.5	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0
SHMW-11S	3.5 - 13.5	--	--	--	0	3	--	173	0	0	0	0	0	0	0	0	0	0	0
SHMW-11I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	4
SHMW-12S	1.5 - 6.5	--	--	--	60	218	--	71	600	230	260	110	470	310	280	15	560	0	155
SHMW-12I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	20
SHMW-13S	1.5 - 6.5	--	--	--	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
SHMW-13I	35.0 - 45.0	--	--	--	0	0	--	--	--	--	0	--	--	--	0	--	--	--	0

Table 5
Sag Harbor Former MGP Site
Groundwater Monitoring Program
Summary of Historical Total PAH Results

Well No.	Screen Interval (feet)	Total PAH Concentrations (µg/L)											Min	Max	Mean
		Sampling Date													
		2008				2009				2010					
		March	June	Sep	Dec	March	June	Sept	Dec	March					
MW-01	1.50 - 7.32	145	2	35	--	--	--	--	--	--	0	4,906	380		
MW-02	0.50 - 7.25	400	3,455	3,488	--	--	--	--	--	--	0	25,167	6,235		
MW-03	2.17 - 10.17	508	96	1,109	--	--	--	--	--	--	92	7,034	2,352		
MW-04	1.25 - 6.81	--	0	22	--	--	--	--	--	--	0	3,612	304		
MW-05	2.46 - 7.46	--	--	--	--	--	--	--	--	--	101	431,600	80,149		
MW-06	2.47 - 7.47	0	0	10	--	--	--	--	--	--	0	5,416	420		
SHMW-01S	1.0 - 6.0	0	0	0	--	--	--	--	--	--	0	4,147	1,392		
SHMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	32	6		
SHMW-02I	35.0 - 45.0	8	42	209	--	--	--	--	--	--	0	580,200	30,625		
SHMW-02D	65.0 - 75.0	--	--	--	--	--	--	--	--	--	0	308	81		
SHMW-03S	2.0 - 12.0	0	0	17	29	0	20	0	0	0	0	430	108		
SHMW-03I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	320	36		
SHMW-04S	2.0 - 12.0	0	1,328	1,868	--	--	--	--	--	--	0	6,669	3,986		
SHMW-04I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	18	3		
SHMW-05S	2.0 - 12.0	2	0	31	--	--	--	--	--	--	0	170	41		
SHMW-05I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	17	3		
SHMW-06S	2.0 - 6.0	0	44	5,848	--	--	--	--	--	--	0	5,848	2,690		
SHMW-06I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	2	0		
SHMW-07S	1.0 - 11.0	--	54	3,252	--	--	2,919	4,722	5,286	3,410	0	7,211	3,496		
SHMW-07I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	2,212	369		
SHMW-08S	1.0 - 7.0	14	21	55	--	--	59	60	112	129	10	129	64		
SHMW-08I	35.0 - 45.0	--	--	--	--	--	1	--	0	--	0	13	2		
SHMW-09S	2.0 - 12.0	0	92	485	503	--	68	39	389	--	0	2,737	1,084		
SHMW-09I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	3	0		
SHMW-10S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	22	1		
SHMW-10I	35.5 - 45.5	--	--	--	0	--	0	--	0	--	0	0	0		
SHMW-11S	3.5 - 13.5	0	0	0	0	0	0	2	0	0	0	173	8		
SHMW-11I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	4	1		
SHMW-12S	1.5 - 6.5	9	137	259	280	0	332	4	216	177	0	600	201		
SHMW-12I	35.0 - 45.0	--	--	--	0	--	--	--	0	--	0	20	3		
SHMW-13S	1.5 - 6.5	0	0	0	0	0	0	0	0	0	0	0	0		
SHMW-13I	35.0 - 45.0	--	--	--	0	--	0	--	0	--	0	0	0		

NOTES:

-- not analyzed or not applicable

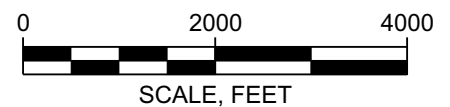
µg/L - micrograms per liter

PAH - polycyclic aromatic hydrocarbons

Figures



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SAG HARBOR FORMER MGP SITE
SAG HARBOR, NEW YORK

nationalgrid



Project 093190-2-1203

SITE LOCATION MAP

June 2010

Figure 1

