



Geotechnical  
Environmental and  
Water Resources  
Engineering

**Quarterly Groundwater Monitoring Report  
Second Quarter (Q2) 2010**

**Sag Harbor  
Former MGP Site**

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

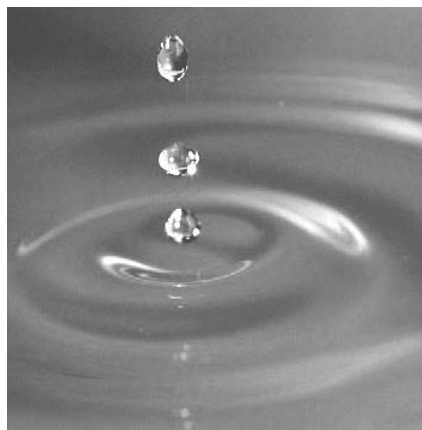
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# 1. Sag Harbor Site and Adjacent Off-Site Areas

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## Q2 2010 Groundwater Monitoring Event Summary

|                            |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Event Date:</b>         | June 23, 28 and 29, 2010                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Site Phase:</b>         | Quarterly groundwater monitoring                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Location:</b>           | The location of the Sag Harbor Former MGP Site is depicted on <b>Figure 1</b> . |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Monitoring Program:</b> | <i>Number of Wells:</i>                                                         | A total of 16 monitoring wells are currently located in the vicinity of the Site (see <b>Figure 2</b> ). 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                            | <i>Hydrological Data:</i>                                                       | Groundwater levels were measured at 14 of 16 remaining monitoring wells. A car was parked over monitoring wells SHMW-07S and SHMW-07I, preventing access to the wells. Depth to groundwater and calculated groundwater elevations are provided in <b>Table 1</b> . Shallow and intermediate groundwater contours for high and low tidal conditions are depicted in <b>Figures 3</b> through <b>6</b> . 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 Q2 2010 were as follows: <ul style="list-style-type: none"><li>▪ Depth to the water table in shallow wells at high tide ranged from <b>0.60</b> (SHMW-12S) to <b>4.83</b> (SHMW-11S) feet below the well measuring point.</li><li>▪ Water table elevations in shallow wells at high tide ranged from <b>0.91</b> (SHMW-11S) to <b>3.75</b></li></ul> |

(SHMW-08S) feet above mean sea level (MSL).

- Depth to the water table in shallow wells at low tide ranged from **0.61** (SHMW-12S) to **5.50** (SHMW-11S) feet below the well measuring point.
- Water table elevations in shallow wells at low tide ranged from **0.24** (SHMW-11S) to **3.75** (SHMW-08S) 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 **0.21** (SHMW-12I) to **4.63** (SHMW-11I) feet below the well measuring point.
- Groundwater elevations in intermediate wells at high tide ranged from **1.16** (SHMW-11I) to **3.59** (SHMW-08I) feet above MSL.
- Depth to groundwater in intermediate wells at low tide ranged from **0.23** (SHMW-12I) to **5.68** (SHMW-11I) feet below the well measuring point.
- Groundwater elevations in intermediate wells at low tide ranged from **0.11** (SHMW-11I) to **3.08** (SHMW-13I) 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 Q2 2010, 14 of 16 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 Q2 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 sampling was performed on June 28 and 29, 2010 and included all accessible shallow wells on the quarterly sampling list.

Chemical data for Q2 2010 (see **Table 3**) indicate:

- Total BTEX concentrations ranged from below method detection limits (ND) in three of the seven wells sampled to **3,946** micrograms per liter ( $\mu\text{g/L}$ ) in SHMW-07S.
- Total PAH concentrations ranged from below method detection limits (ND) in three of the seven wells sampled to **4,547**  $\mu\text{g/L}$  in SHMW-07S.
- MTBE concentrations were ND in five of the seven wells sampled. In the other two wells, SHMW-08S and SHMW-12S, the MTBE concentrations were relatively low (3  $\mu\text{g/L}$  and 1  $\mu\text{g/L}$ , respectively).

**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 compared to previous sampling events. During Q2 2010, BTEX concentrations were below laboratory detection limits (ND) in three of the seven shallow wells sampled. In two of the four shallow wells that had detectable BTEX concentrations (SHMW-03S and SHMW-12S), the BTEX concentrations detected were lower than the respective mean concentrations. The concentration in well SHMW-08S was relatively low (13  $\mu\text{g/L}$ ), and near historical concentrations. In the remaining well (SHMW-07S), the Q2 2010 BTEX concentration (3,946  $\mu\text{g/L}$ ) is the highest value recorded in the historical monitoring period, but the historical concentrations in the well have been sporadic, and the Q2 2010 concentration is near historical high levels. The BTEX concentrations in SHMW-03S and SHMW-12S decreased from 37  $\mu\text{g/L}$  to 5  $\mu\text{g/L}$  and 219  $\mu\text{g/L}$  to 217  $\mu\text{g/L}$  from Q1 2010 to Q2 2010; however, the detected concentrations in these wells have been varied historically with no trend identified.

In Q2 2010, PAH concentrations were ND in three of the seven shallow wells sampled. In all four of the shallow wells (SHMW-03S,

SHMW-07S, SHMW-08S, and SHMW-12S) that had detectable PAH concentrations, the PAH concentration increased from Q1 2010 levels. In one of the four wells, SHMW-03S (22 µg/L) had a concentration below its historical mean. The concentrations detected in SHMW-07S and SHMW-12S (4,547 µg/L and 585 µg/L, respectively) were above the historical mean concentrations, but within the historical concentration range. The Q2 2010 concentration in well SHMW-08S (201 µg/L) is the highest value recorded during the historical monitoring period, but was within one order-of-magnitude of its mean. Concentration trends in wells SHMW-07S, SHMW-08S, SHMW-03S and SHMW-12S have been varied, generally showing no discernable trend.

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 PAH 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 Q2 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 New York State Department of Environmental Conservation (NYSDEC) in June 2010. It is anticipated that the replacement groundwater and NAPL monitoring wells will be installed and sampled in early Q4 2010. All existing and new wells will be surveyed after the new wells have been installed.

## Tables

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Table 1  
Water Level Measurements and Calculated Water Elevations - Q2 2010  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | Top of Casing Elevation (ft) | Tide | Time | 6/23/2010           |                            | 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 | 828  | 3.03                | 2.40                       |                      |
|          |                              | Low  | 1442 | 3.11                | 2.32                       |                      |
| SHMW-03I | 5.43                         | High | 828  | 2.20                | 3.23                       |                      |
|          |                              | Low  | 1442 | 2.87                | 2.56                       |                      |
| 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 | NM   | NM                  | NM                         | Car parked over well |
|          |                              | Low  | NM   | NM                  | NM                         |                      |
| SHMW-07I | 5.00                         | High | NM   | NM                  | NM                         | Car parked over well |
|          |                              | Low  | NM   | NM                  | NM                         |                      |
| SHMW-08S | 5.26                         | High | 844  | 1.51                | 3.75                       |                      |
|          |                              | Low  | 1428 | 1.51                | 3.75                       |                      |
| SHMW-08I | 5.08                         | High | 844  | 1.49                | 3.59                       |                      |
|          |                              | Low  | 1428 | 2.17                | 2.91                       |                      |
| SHMW-09S | 4.36                         | High | 835  | 1.23                | 3.13                       |                      |
|          |                              | Low  | 1437 | 1.11                | 3.25                       |                      |
| SHMW-09I | 4.41                         | High | 835  | 1.35                | 3.06                       |                      |
|          |                              | Low  | 1437 | 1.62                | 2.79                       |                      |
| SHMW-10S | 5.91                         | High | 830  | 4.02                | 1.89                       |                      |
|          |                              | Low  | 1446 | 4.53                | 1.38                       |                      |
| SHMW-10I | 5.89                         | High | 830  | 3.58                | 2.31                       |                      |
|          |                              | Low  | 1446 | 4.69                | 1.20                       |                      |
| SHMW-11S | 5.74                         | High | 832  | 4.83                | 0.91                       |                      |
|          |                              | Low  | 1452 | 5.50                | 0.24                       |                      |
| SHMW-11I | 5.79                         | High | 832  | 4.63                | 1.16                       |                      |
|          |                              | Low  | 1452 | 5.68                | 0.11                       |                      |
| SHMW-12S | 3.42                         | High | 839  | 0.60                | 2.82                       |                      |
|          |                              | Low  | 1433 | 0.61                | 2.81                       |                      |
| SHMW-12I | 3.29                         | High | 839  | 0.21                | 3.08                       |                      |
|          |                              | Low  | 1433 | 0.23                | 3.06                       |                      |
| SHMW-13S | 4.68                         | High | 841  | 1.43                | 3.25                       |                      |
|          |                              | Low  | 1425 | 1.55                | 3.13                       |                      |
| SHMW-13I | 4.70                         | High | 841  | 1.20                | 3.50                       |                      |
|          |                              | Low  | 1425 | 1.62                | 3.08                       |                      |

-- Not Available  
NM: Not Measured

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | May 2002 Observations                    | May 2004 Observations                         | August 2004 Observations | October 2004 Observations                      | November 2004 Observations                      |
|----------|------------------------------------------|-----------------------------------------------|--------------------------|------------------------------------------------|-------------------------------------------------|
| MW-01    | None Observed                            | Odor                                          | None Observed            | Not Checked                                    | 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 |
| 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                   |
| MW-04    | None Observed                            | Approx. 0.02' of DNAPL, naphthalene-like odor | NR                       | Trace DNAPL at bottom of tape                  | None Observed                                   |
| 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 |
| MW-06    | None Observed                            | Slight naphthalene-like odor                  | NR                       | NR                                             | NR                                              |
| SHMW-01S | None Observed                            | Slight naphthalene-like odor                  | NR                       | NR                                             | NR                                              |
| SHMW-01I | None Observed                            | None Observed                                 | 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  |
| SHMW-02D | None Observed                            | None Observed                                 | NR                       | NR                                             | NR                                              |
| SHMW-03S | None Observed                            | Odor                                          | NR                       | NR                                             | NR                                              |
| SHMW-03I | None Observed                            | None Observed                                 | 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                          |
| SHMW-04I | None Observed                            | None Observed                                 | NR                       | NR                                             | NR                                              |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | May 2002 Observations                  | May 2004 Observations               | August 2004 Observations | October 2004 Observations | November 2004 Observations |
|----------|----------------------------------------|-------------------------------------|--------------------------|---------------------------|----------------------------|
| SHMW-05S | None Observed                          | Blebs of DNAPL in purge water, odor | NR                       | None Observed             | None Observed              |
| SHMW-05I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-06S | Slight sheen and naphthalene-like odor | Naphthalene-like odor               | NR                       | NR                        | NR                         |
| SHMW-06I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-07S | Sheen and naphthalene-like odor        | Slight odor                         | NR                       | NR                        | NR                         |
| SHMW-07I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-08S | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-08I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-09S | None Observed                          | Slight naphthalene-like odor        | NR                       | NR                        | NR                         |
| SHMW-09I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-10S | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-10I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-11S | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |
| SHMW-11I | None Observed                          | None Observed                       | NR                       | NR                        | NR                         |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | May 2002 Observations | May 2004 Observations          | August 2004 Observations | October 2004 Observations | November 2004 Observations |
|----------|-----------------------|--------------------------------|--------------------------|---------------------------|----------------------------|
| SHMW-12S | None Observed         | Sheen, strong sulfur-like odor | NR                       | NR                        | NR                         |
| SHMW-12I | None Observed         | None Observed                  | NR                       | NR                        | NR                         |
| SHMW-13S | None Observed         | None Observed                  | NR                       | NR                        | NR                         |
| SHMW-13I | None Observed         | None Observed                  | NR                       | NR                        | NR                         |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December 2004 Observations                   | January 2005 Observations     | February 2005 Observations                    | March 2005 Observations                | April/Q1 2005 Observations             |
|----------|----------------------------------------------|-------------------------------|-----------------------------------------------|----------------------------------------|----------------------------------------|
| MW-01    | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| MW-02    | 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                 |
| MW-03    | 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          |
| MW-04    | None Observed                                | Trace DNAPL at bottom of tape | Not Checked (under snow pile)                 | None Observed                          | None Observed                          |
| MW-05    | 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. |
| MW-06    | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-01S | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-01I | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-02I | 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                  |
| SHMW-02D | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-03S | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-03I | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |
| SHMW-04S | 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                 |
| SHMW-04I | NR                                           | NR                            | NR                                            | NR                                     | NR                                     |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December 2004 Observations | January 2005 Observations | February 2005 Observations | March 2005 Observations | April/Q1 2005 Observations |
|----------|----------------------------|---------------------------|----------------------------|-------------------------|----------------------------|
| SHMW-05S | None Observed              | None Observed             | None Observed              | None Observed           | None Observed              |
| SHMW-05I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-06S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-06I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-07S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-07I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-08S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-08I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-09S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-09I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-10S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-10I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-11S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-11I | NR                         | NR                        | NR                         | NR                      | NR                         |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December 2004 Observations | January 2005 Observations | February 2005 Observations | March 2005 Observations | April/Q1 2005 Observations |
|----------|----------------------------|---------------------------|----------------------------|-------------------------|----------------------------|
| SHMW-12S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-12I | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-13S | NR                         | NR                        | NR                         | NR                      | NR                         |
| SHMW-13I | NR                         | NR                        | NR                         | NR                      | NR                         |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | June/Q2 2005 Observations     | September/Q3 2005 Observations                 | December/Q4 2005 Observations                                      | March/Q1 2006 Observations                    | June/Q2 2006 Observations           |
|----------|-------------------------------|------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|-------------------------------------|
| MW-01    | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| MW-02    | Trace DNAPL at bottom of tape | Approx. 0.13' of DNAPL                         | Approx. 0.09' DNAPL, naphthalene-like odor                         | Approx. 0.01' DNAPL                           | Approx. 0.12 ' of DNAPL             |
| MW-03    | Trace DNAPL at bottom of tape | Trace DNAPL at bottom of tape                  | None, naphthalene-like odor                                        | No DNAPL observed                             | Trace DNAPL (coating on tubes)      |
| MW-04    | None Observed                 | Trace DNAPL at bottom of tape                  | Trace DNAPL at bottom of tape                                      | Trace DNAPL                                   | Trace DNAPL                         |
| MW-05    | Approx. 3.0' of DNAPL         | Approx. 0.75' of DNAPL, approx. 0.12' of LNAPL | DNAPL blebs in purge H <sub>2</sub> O, 0.5' DNAPL coating on tubes | Approx. 0.15' of DNAPL, approx. 0.1' of LNAPL | Approx. 0.22' DNAPL; 0.05' of LNAPL |
| MW-06    | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-01S | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-01I | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-02I | Approx. 0.75' of DNAPL        | Approx. 0.4' of DNAPL                          | Approx. 1.3' of DNAPL, naphthalene-like odor                       | Approx. 0.35' of DNAPL                        | Approx. 0.43' of DNAPL              |
| SHMW-02D | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-03S | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-03I | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |
| SHMW-04S | Approx. 0.90' of DNAPL        | Approx. 0.26' of DNAPL                         | Approx. 0.5' DNAPL, naphthalene-like odor                          | Approx. 0.25' of DNAPL                        | Approx. 0.5' of DNAPL               |
| SHMW-04I | NR                            | NR                                             | NR                                                                 | NR                                            | NR                                  |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | June/Q2 2005 Observations | September/Q3 2005 Observations | December/Q4 2005 Observations              | March/Q1 2006 Observations | June/Q2 2006 Observations |
|----------|---------------------------|--------------------------------|--------------------------------------------|----------------------------|---------------------------|
| SHMW-05S | None Observed             | None Observed                  | None Observed                              | No DNAPL observed          | None Observed             |
| SHMW-05I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-06S | NR                        | Trace DNAPL at bottom of tape  | Approx. 0.10' DNAPL, naphthalene-like odor | Trace DNAPL                | Approx. 0.2' of DNAPL     |
| SHMW-06I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-07S | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-07I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-08S | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-08I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-09S | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-09I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-10S | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-10I | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-11S | NR                        | NR                             | NR                                         | NR                         | NR                        |
| SHMW-11I | NR                        | NR                             | NR                                         | NR                         | NR                        |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | June/Q2 2005 Observations | September/Q3 2005 Observations | December/Q4 2005 Observations | March/Q1 2006 Observations | June/Q2 2006 Observations |
|----------|---------------------------|--------------------------------|-------------------------------|----------------------------|---------------------------|
| SHMW-12S | NR                        | NR                             | NR                            | NR                         | NR                        |
| SHMW-12I | NR                        | NR                             | NR                            | NR                         | NR                        |
| SHMW-13S | NR                        | NR                             | NR                            | NR                         | NR                        |
| SHMW-13I | NR                        | NR                             | NR                            | NR                         | NR                        |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | September/Q3 2006 Observations      | December/Q4 2006 Observations                      | March/Q1 2007 Observations                         | June/Q2 2007 Observations      | September/Q3 2007 Observations |
|----------|-------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------|--------------------------------|
| MW-01    | NR                                  | NR                                                 | NR                                                 | NR                             | NR                             |
| MW-02    | Approx. 0.15' DNAPL                 | Approx. 0.10' DNAPL                                | Approx. 0.20' DNAPL                                | Approx. 0.07' DNAPL            | Approx. 0.11' DNAPL            |
| MW-03    | Trace DNAPL (coating on tubes)      | No DNAPL observed                                  | Trace DNAPL (coating on tubes)                     | None Observed                  | Trace DNAPL (coating on tubes) |
| MW-04    | 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) |
| MW-05    | 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                 |
| MW-06    | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-01S | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-01I | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-02I | 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) |
| SHMW-02D | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-03S | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-03I | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |
| SHMW-04S | Approx. 0.25' of DNAPL              | Approx. 0.30' of DNAPL                             | Approx. 0.40' DNAPL                                | Approx. 0.50' DNAPL            | Approx. 0.5' DNAPL             |
| SHMW-04I | NR                                  | NR                                                 | None Observed                                      | NR                             | NR                             |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | September/Q3 2006<br>Observations | December/Q4 2006<br>Observations  | March/Q1 2007 Observations        | June/Q2 2007 Observations         | September/Q3 2007<br>Observations |
|----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| SHMW-05S | None Observed                     | None Observed                     | None Observed                     | None Observed                     | NR                                |
| SHMW-05I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-06S | Approx. 0.2' of DNAPL             | Trace DNAPL (coating on<br>tubes) | Trace DNAPL (coating on<br>tubes) | Trace DNAPL (coating on<br>tubes) | Trace DNAPL (coating on<br>tubes) |
| SHMW-06I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-07S | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-07I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-08S | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-08I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-09S | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-09I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-10S | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-10I | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-11S | NR                                | NR                                | None Observed                     | NR                                | NR                                |
| SHMW-11I | NR                                | NR                                | None Observed                     | NR                                | NR                                |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | September/Q3 2006<br>Observations | December/Q4 2006<br>Observations | March/Q1 2007 Observations | June/Q2 2007 Observations | September/Q3 2007<br>Observations |
|----------|-----------------------------------|----------------------------------|----------------------------|---------------------------|-----------------------------------|
| SHMW-12S | NR                                | NR                               | None Observed              | NR                        | NR                                |
| SHMW-12I | NR                                | NR                               | None Observed              | NR                        | NR                                |
| SHMW-13S | NR                                | NR                               | None Observed              | NR                        | NR                                |
| SHMW-13I | NR                                | NR                               | None Observed              | NR                        | NR                                |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2007 Observations | March/Q1 2008 Observations            | June/Q2 2008 Observations       | September/Q3 2008 Observations          | December/Q4 2008 Observations  |
|----------|-------------------------------|---------------------------------------|---------------------------------|-----------------------------------------|--------------------------------|
| MW-01    | None Observed                 | None Observed                         | Trace DNAPL                     | Trace DNAPL (at bottom of tubing)       | Well Inaccessible or Abandoned |
| MW-02    | Approx. ~0.08'                | Trace DNAPL                           | Moderate DNAPL; not measureable | Trace DNAPL                             | Well Inaccessible or Abandoned |
| MW-03    | Trace                         | Trace DNAPL (On bottom 1.5' of tubes) | Trace DNAPL                     | Trace DNAPL (0.05' at bottom of tubing) | Well Inaccessible or Abandoned |
| MW-04    | Approx. ~0.02'                | NR                                    | Trace DNAPL                     | Trace DNAPL (at bottom of tubing)       | Well Inaccessible or Abandoned |
| MW-05    | Well Destroyed                | Well Destroyed                        | Well Destroyed                  | Well Destroyed                          | Well Destroyed                 |
| MW-06    | None Observed                 | None Observed                         | None Observed                   | None Observed                           | Well Inaccessible or Abandoned |
| SHMW-01S | None Observed                 | None Observed                         | None Observed                   | None Observed                           | Well Inaccessible or Abandoned |
| SHMW-01I | None Observed                 | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned |
| SHMW-02I | Approx. ~0.60'                | Approx. 3' DNAPL                      | Approx. 1.5' DNAPL              | Approx. 4' DNAPL                        | Well Inaccessible or Abandoned |
| SHMW-02D | None Observed                 | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned |
| SHMW-03S | None Observed                 | None Observed                         | None Observed                   | None Observed                           | None Observed                  |
| SHMW-03I | None Observed                 | NR                                    | NR                              | NR                                      | None Observed                  |
| SHMW-04S | Approx. ~0.61'                | Approx. 1.05' DNAPL                   | Approx. 0.6' DNAPL              | Approx. 0.75' DNAPL                     | Well Inaccessible or Abandoned |
| SHMW-04I | None Observed                 | NR                                    | NR                              | NR                                      | Well Inaccessible or Abandoned |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2007<br>Observations | March/Q1 2008 Observations | June/Q2 2008 Observations | September/Q3 2008<br>Observations                    | December/Q4 2008<br>Observations |
|----------|----------------------------------|----------------------------|---------------------------|------------------------------------------------------|----------------------------------|
| SHMW-05S | None Observed                    | None Observed              | None Observed             | None Observed                                        | Well Inaccessible or Abandoned   |
| SHMW-05I | None Observed                    | NR                         | NR                        | NR                                                   | Well Inaccessible or Abandoned   |
| SHMW-06S | Trace                            | Trace DNAPL (on tubing)    | Trace DNAPL               | Trace DNAPL (on tubing)                              | Well Inaccessible or Abandoned   |
| SHMW-06I | None Observed                    | NR                         | NR                        | NR                                                   | Well Inaccessible or Abandoned   |
| SHMW-07S | Trace                            | NR                         | NR                        | Trace DNAPL (on side of tubing approx 1' off bottom) | Well Inaccessible or Abandoned   |
| SHMW-07I | None Observed                    | NR                         | NR                        | NR                                                   | Well Inaccessible or Abandoned   |
| SHMW-08S | None Observed                    | None Observed              | None Observed             | None Observed                                        | Well Inaccessible or Abandoned   |
| SHMW-08I | None Observed                    | NR                         | NR                        | NR                                                   | Well Inaccessible or Abandoned   |
| SHMW-09S | None Observed                    | None Observed              | None Observed             | None Observed                                        | None Observed                    |
| SHMW-09I | None Observed                    | NR                         | NR                        | NR                                                   | NR                               |
| SHMW-10S | None Observed                    | None Observed              | None Observed             | None Observed                                        | None Observed                    |
| SHMW-10I | None Observed                    | NR                         | NR                        | NR                                                   | NR                               |
| SHMW-11S | None Observed                    | None Observed              | None Observed             | None Observed                                        | None Observed                    |
| SHMW-11I | None Observed                    | NR                         | NR                        | NR                                                   | NR                               |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2007<br>Observations | March/Q1 2008 Observations | June/Q2 2008 Observations | September/Q3 2008<br>Obseervations | December/Q4 2008<br>Obseervations |
|----------|----------------------------------|----------------------------|---------------------------|------------------------------------|-----------------------------------|
| SHMW-12S | None Observed                    | None Observed              | None Observed             | None Observed                      | None Observed                     |
| SHMW-12I | None Observed                    | NR                         | NR                        | NR                                 | NR                                |
| SHMW-13S | None Observed                    | None Observed              | None Observed             | None Observed                      | None Observed                     |
| SHMW-13I | None Observed                    | NR                         | NR                        | NR                                 | NR                                |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | March/Q1 2009 Observations | June/Q2 2009 Observations | September/Q3 2009 Observations |
|----------|----------------------------|---------------------------|--------------------------------|
| MW-01    | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| MW-02    | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| MW-03    | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| MW-04    | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| MW-05    | Well Destroyed             | Well Destroyed            | Well Destroyed                 |
| MW-06    | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-01S | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-01I | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-02I | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-02D | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-03S | None Observed              | None Observed             | None Observed                  |
| SHMW-03I | NR                         | None Observed             | NR                             |
| SHMW-04S | Well Abandoned             | Well Abandoned            | Well Abandoned                 |
| SHMW-04I | Well Abandoned             | Well Abandoned            | Well Abandoned                 |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | March/Q1 2009 Observations | June/Q2 2009 Observations | September/Q3 2009 Observations  |
|----------|----------------------------|---------------------------|---------------------------------|
| SHMW-05S | Well Abandoned             | Well Abandoned            | Well Abandoned                  |
| SHMW-05I | Well Abandoned             | Well Abandoned            | Well Abandoned                  |
| SHMW-06S | Well Abandoned             | Well Abandoned            | Well Abandoned                  |
| SHMW-06I | Well Abandoned             | Well Abandoned            | Well Abandoned                  |
| SHMW-07S | Well Inaccessible          | None Observed             | Trace DNAPL (on side of tubing) |
| SHMW-07I | Well Inaccessible          | None Observed             | NR                              |
| SHMW-08S | Well Inaccessible          | None Observed             | None Observed                   |
| SHMW-08I | Well Inaccessible          | None Observed             | NR                              |
| SHMW-09S | Well Inaccessible          | None Observed             | None Observed                   |
| SHMW-09I | NR                         | NR                        | NR                              |
| SHMW-10S | None Observed              | None Observed             | None Observed                   |
| SHMW-10I | NR                         | NR                        | NR                              |
| SHMW-11S | None Observed              | None Observed             | None Observed                   |
| SHMW-11I | NR                         | NR                        | NR                              |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | March/Q1 2009 Observations | June/Q2 2009 Observations | September/Q3 2009 Observations |
|----------|----------------------------|---------------------------|--------------------------------|
| SHMW-12S | None Observed              | None Observed             | None Observed                  |
| SHMW-12I | NR                         | NR                        | NR                             |
| SHMW-13S | None Observed              | None Observed             | None Observed                  |
| SHMW-13I | NR                         | NR                        | NR                             |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2009 Observations | March/Q1 2010 Observations | June/Q2 2010 Observations |
|----------|-------------------------------|----------------------------|---------------------------|
| MW-01    | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| MW-02    | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| MW-03    | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| MW-04    | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| MW-05    | Well Destroyed                | Well Destroyed             | Well Destroyed            |
| MW-06    | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-01S | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-01I | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-02I | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-02D | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-03S | None Observed                 | None Observed              | None Observed             |
| SHMW-03I | None Observed                 | None Observed              | None Observed             |
| SHMW-04S | Well Abandoned                | Well Abandoned             | Well Abandoned            |
| SHMW-04I | Well Abandoned                | Well Abandoned             | Well Abandoned            |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2009 Observations                                 | March/Q1 2010 Observations                                    | June/Q2 2010 Observations |
|----------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------|
| SHMW-05S | Well Abandoned                                                | Well Abandoned                                                | Well Abandoned            |
| SHMW-05I | Well Abandoned                                                | Well Abandoned                                                | Well Abandoned            |
| SHMW-06S | Well Abandoned                                                | Well Abandoned                                                | Well Abandoned            |
| SHMW-06I | Well Abandoned                                                | Well Abandoned                                                | Well Abandoned            |
| SHMW-07S | None Observed                                                 | None Observed                                                 | Well Inaccessible         |
| SHMW-07I | None Observed (approximately 10 feet of sand present in well) | None Observed (approximately 10 feet of sand present in well) | Well Inaccessible         |
| SHMW-08S | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-08I | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-09S | None Observed                                                 | Well Inaccessible                                             | None Observed             |
| SHMW-09I | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-10S | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-10I | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-11S | None Observed                                                 | None Observed                                                 | None Observed             |
| SHMW-11I | None Observed                                                 | None Observed                                                 | None Observed             |

Table 2  
Summary of Historical NAPL Observations  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well ID  | December/Q4 2009 Observations | March/Q1 2010 Observations | June/Q2 2010 Observations |
|----------|-------------------------------|----------------------------|---------------------------|
| SHMW-12S | None Observed                 | None Observed              | None Observed             |
| SHMW-12I | None Observed                 | None Observed              | None Observed             |
| SHMW-13S | None Observed                 | None Observed              | None Observed             |
| SHMW-13I | 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 3  
Summary of BTEX, MTBE and PAH Results - Q2 2010  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Sample Name:<br>Sample Date:        | NYS<br>AWQS | SHMW-03S<br>6/28/2010 | SHMW-07S<br>6/28/2010 | SHMW-08S<br>6/28/2010 | SHMW-10S<br>6/29/2010 | SHMW-11S<br>6/29/2010 | SHMW-12S<br>6/28/2010 | SHMW-13S<br>6/28/2010 | Duplicate of:<br>SHMW-13S<br>6/28/2010 |
|-------------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------------|
| <b>BTEX (ug/L)</b>                  |             |                       |                       |                       |                       |                       |                       |                       |                                        |
| Benzene                             | 1           | 2 J                   | 1200                  | 9 J                   | 10 U                  | 10 U                  | 160                   | 10 U                  | 10 U                                   |
| Toluene                             | 5           | 10 U                  | 46                    | 10 U                  | 10 U                  | 10 U                  | 1 J                   | 10 U                  | 10 U                                   |
| Ethylbenzene                        | 5           | 2 J                   | 1600                  | 1 J                   | 10 U                  | 10 U                  | 18                    | 10 U                  | 10 U                                   |
| Xylene, total                       | 5           | 1 J                   | 1100                  | 3 J                   | 10 U                  | 10 U                  | 38                    | 10 U                  | 10 U                                   |
| Total BTEX                          | NE          | 5                     | 3946                  | 13                    | ND                    | ND                    | 217                   | ND                    | ND                                     |
| <b>Other VOCs (ug/L)</b>            |             |                       |                       |                       |                       |                       |                       |                       |                                        |
| Methyl tert-butyl ether             | 10*         | 10 U                  | 10 U                  | 3 J                   | 10 U                  | 10 U                  | 1 J                   | 10 U                  | 10 U                                   |
| <b>Non-carcinogenic PAHs (ug/L)</b> |             |                       |                       |                       |                       |                       |                       |                       |                                        |
| Acenaphthene                        | 20*         | 13                    | 180 J                 | 30                    | 10 U                  | 10 U                  | 8 J                   | 10 U                  | 10 U                                   |
| Acenaphthylene                      | NE          | 10 U                  | 4 J                   | 10 U                  | 10 U                  | 10 U                  | 10 U                  | 10 U                  | 10 U                                   |
| Anthracene                          | 50*         | 1 J                   | 16                    | 4 J                   | 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                                   |
| Fluoranthene                        | 50*         | 2 J                   | 7                     | 5                     | 10 U                  | 10 U                  | 10 U                  | 10 U                  | 10 U                                   |
| Fluorene                            | 50*         | 3 J                   | 52                    | 13                    | 10 U                  | 10 U                  | 10 U                  | 10 U                  | 10 U                                   |
| Methylnaphthalene,2-                | NE          | 10 U                  | 290 J                 | 3 J                   | 10 U                  | 10 U                  | 7 J                   | 10 U                  | 10 U                                   |
| Naphthalene                         | 10*         | 10 U                  | 3900                  | 110                   | 10 U                  | 10 U                  | 570                   | 10 U                  | 10 U                                   |
| Phenanthrene                        | 50*         | 1 J                   | 90 J                  | 31                    | 10 U                  | 10 U                  | 10 U                  | 10 U                  | 10 U                                   |
| Pyrene                              | 50*         | 2 J                   | 8                     | 5 J                   | 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                                   |
| 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 UJ                 | 10 UJ                 | 10 U                  | 10 U                  | 10 UJ                 | 10 UJ                 | 10 UJ                                  |
| 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                                   |
| <b>Total PAHs (ug/L)</b>            |             |                       |                       |                       |                       |                       |                       |                       |                                        |
| Total PAHs                          | NE          | 22                    | 4547                  | 201                   | ND                    | ND                    | 585                   | ND                    | ND                                     |

Table 4  
Summary of Historical Total BTEX Results  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| 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  
Summary of Historical Total BTEX Results  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| 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 | June  |       |        |        |
| 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    | 5     | 0     | 131    | 45     |
| 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 | 3,946 | 185   | 3,946  | 1,751  |
| SHMW-07I | 35.0 - 45.0            | --                               | --    | --    | --  | --    | --    | --    | --    | --    | --    | 0     | 0      | 0      |
| SHMW-08S | 1.0 - 7.0              | 8                                | 9     | 10    | --  | --    | 5     | 5     | 4     | 6     | 13    | 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     | 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      | 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   | 217   | 0     | 930    | 250    |
| 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      | 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  
Summary of Historical Total PAH Results  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| 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  
Summary of Historical Total PAH Results  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program - Q2 2010

| Well No. | Screen Interval (feet) | Total PAH Concentrations (µg/L) |       |       |     |       |       |       |       |       |       |     |         |        |
|----------|------------------------|---------------------------------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-----|---------|--------|
|          |                        | Sampling Date                   |       |       |     |       |       |       |       |       |       | Min | Max     | Mean   |
|          |                        | 2008                            |       |       |     | 2009  |       |       |       | 2010  |       |     |         |        |
|          |                        | March                           | June  | Sep   | Dec | March | June  | Sept  | Dec   | March | June  |     |         |        |
| 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     | 22    | 0   | 430     | 104    |
| 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 | 4,547 | 0   | 7,211   | 3,548  |
| SHMW-07I | 35.0 - 45.0            | --                              | --    | --    | --  | --    | --    | --    | --    | --    | --    | 0   | 2,212   | 369    |
| SHMW-08S | 1.0 - 7.0              | 14                              | 21    | 55    | --  | --    | 59    | 60    | 112   | 129   | 201   | 10  | 201     | 70     |
| 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     | 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     | 0   | 173     | 7      |
| 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   | 585   | 0   | 600     | 218    |
| 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       | 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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(www.nationalgeographic.com/topo)"

0 2000 4000  
SCALE, FEET

SAG HARBOR FORMER MGP SITE  
SAG HARBOR, NEW YORK

**nationalgrid**



Project 093190-2-1203

**SITE LOCATION MAP**

September 2010

Figure 1

