



Geotechnical  
Environmental and  
Water Resources  
Engineering

**Quarterly Groundwater Monitoring Report  
Fourth Quarter (Q4) 2009**

## **Sag Harbor Former MGP Site**

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

**Submitted to:**  
National Grid  
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# 1. Sag Harbor Site and Adjacent Off-Site Areas

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## Q4 2009 Groundwater Monitoring Event Summary

|                            |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Event Date:</b>         | December 15-21, 2009                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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 all 16 remaining monitoring wells. Depth to groundwater and calculated groundwater elevations are provided on <b>Table 1</b> . The measuring points of MW-07S, MW-07I, and MW-09S have been altered and therefore, the calculated groundwater elevations are not accurate. As a result, they were not used in preparation of the groundwater contour maps. Shallow and intermediate groundwater contours for high and low tidal conditions are depicted in <b>Figures 3 through 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 Q4 2009 were as follows: <ul style="list-style-type: none"><li>▪ Depth to the water table in shallow wells at high tide ranged from <b>-0.08</b> (SHMW-13S) to <b>4.28</b> (SHMW-11S) feet below the well measuring point. SHMW-12S was artesian and</li></ul> |

- SHMW-08S was slightly artesian at high tide.
- Water table elevations in shallow wells at high tide ranged from **1.46** (SHMW-11S) to **5.26** (SHMW-8S) feet above mean sea level (MSL).
- Depth to the water table in shallow wells at low tide ranged from **-0.06** (SHMW-13S) to **5.38** (SHMW-11S) feet below the well measuring point. SHMW-12S was artesian and SHMW-08S was slightly artesian at low tide.
- Water table elevations in shallow wells at low tide ranged from **0.36** (SHMW-11S) to **5.27** (SHMW-8S) feet above MSL.
- The calculated shallow hydraulic gradient for high tide was **0.0144** feet/foot. The calculated shallow hydraulic gradient for low tide was **0.0180** feet/foot.
- Depth to groundwater in intermediate wells at high tide ranged from **-0.94** (SHMW-13I) to **4.11** (SHMW-11I) feet below the well measuring point. SHMW-12I was artesian at high tide.
- Groundwater elevations in intermediate wells at high tide ranged from **1.68** (SHMW-11I) to **3.78** (SHMW-08I) feet above MSL.
- Depth to groundwater in intermediate wells at low tide ranged from **0.10** (SHMW-12I) to **5.85** (SHMW-11I) feet below the well measuring point.
- Groundwater elevations in intermediate wells at low tide ranged from **-0.06** (SHMW-11I) to **3.19** (SHMW-12I) feet above MSL.
- The calculated intermediate hydraulic gradient for high tide was **0.0096** feet/foot. The calculated intermediate hydraulic gradient for low tide was **0.0160** feet/foot.

*NAPL  
Thickness  
Data:*

**Table 2** provides a summary of historical non-aqueous phase liquid (NAPL) data. In Q4 2009, all of the monitoring wells were monitored for NAPL as part of the groundwater monitoring program. There was no evidence of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) in any of the monitoring wells during Q4 2009.

*Chemical  
Data:*

A total of 15 monitoring wells were sampled for BTEX and MTBE (EPA Method 8260), and PAHs (EPA Method 8270). Well SHMW-07I was not sampled because it had approximately 10 feet of sand in the bottom of the well. Well sampling was conducted on December 16, 17, and 21, 2009 and included all accessible wells on the quarterly sampling list.

Chemical data for Q4 2009 (see **Table 3**) indicate:

- Total BTEX concentrations ranged from less than method detection limits in nine of the 15 wells sampled to **2,183** micrograms per liter ( $\mu\text{g/L}$ ) in SHMW-07S.
- Total PAH concentrations ranged from less than method detection limits in 11 of the 15 wells sampled to **5,286**  $\mu\text{g/L}$  in SHMW-07S.

**Data Trend  
Analysis:**

In general, fairly consistent BTEX and PAH concentrations (see historical data in **Tables 4** and **5**) have been detected in shallow groundwater on and adjacent to the site when compared to previous sampling events. In Q4 2009, BTEX concentrations were below laboratory detection limits in three of the eight shallow wells sampled. In four of the five shallow wells that had detectable BTEX concentrations (SHMW-03S, SHMW-08S, SHMW-09S, and SHMW-12S), the BTEX concentrations detected were lower than the respective mean concentrations. In the remaining well (SHMW-07S), although the BTEX concentration was above the mean for this well, the concentration decreased slightly from the previous sampling event and was within the historical range. Between Q3 and Q4 2009, BTEX concentrations decreased in three of the eight shallow wells sampled in each quarter (SHMW-07S, SHMW-08S, and SHMW-09S). Minor increases in BTEX concentrations were observed in shallow wells SHMW-03S and SHMW-12S.

BTEX concentrations were below laboratory detection limits in six of the seven intermediate wells sampled in Q4 2009. A low concentration ( $2 \mu\text{g/L}$ ) was found in SHMW-12I; however, this concentration was below the mean and within the range for this well.

In Q4 2009, PAH concentrations were below laboratory detection limits in four of the eight shallow wells sampled. In one of the four shallow wells (SHMW-09S) that had detectable PAH concentrations, the PAH concentration was lower than its respective mean. In the remaining three wells that had detectable PAH concentrations (SHMW-07S, SHMW-08S, and SHMW-12S), the concentrations

were above the mean in SHMW-07S and SHMW-12S; however, the concentrations were within the historical range for these wells. In SHMW-08S, the PAH concentration was the highest recorded (112 µg/L) at this well. Between Q3 and Q4 2009, PAH concentrations increased in four of the eight shallow wells sampled in each quarter (SHMW-07S, SHMW-08S, SHMW-09S, and SHMW-12S).

PAH concentrations were below the laboratory detection limits in all of intermediate wells sampled in Q4 2009.

MTBE concentrations remained below laboratory detection limits in all of the 15 wells sampled.

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

The historical NAPL data (see **Table 2**) indicate 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 Q4 2009 groundwater monitoring event.

**Current Plans:** Continue quarterly groundwater and NAPL monitoring at accessible monitoring wells. A replacement monitoring well installation work plan will be submitted to NYSDEC in mid Q2 2010. It is anticipated that the replacement groundwater and NAPL monitoring wells will be installed and sampled in late Q2 2010. All existing and new wells will be surveyed after the new wells have been installed.

## Tables

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Table 1  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program  
Water Level Measurements and Calculated Water Elevations - Q4 2009

| Well ID  | Top of Casing Elevation (ft) | Tide | Time | 12/15/2009          |                            | 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 | 849  | 2.84                | 2.59                       |                                                                                               |
|          |                              | Low  | 1528 | 3.11                | 2.32                       |                                                                                               |
| SHMW-03I | 5.43                         | High | 849  | 1.76                | 3.67                       |                                                                                               |
|          |                              | Low  | 1528 | 2.88                | 2.55                       |                                                                                               |
| 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 | 905  | 0.46                | 4.59                       | Measuring point lowered (well to be resurveyed)                                               |
|          |                              | Low  | 1548 | 0.20                | 4.85                       |                                                                                               |
| SHMW-07I | 5.00                         | High | 905  | 1.38                | 3.62                       | Measuring point lowered (well to be resurveyed)                                               |
|          |                              | Low  | 1549 | 2.11                | 2.89                       |                                                                                               |
| SHMW-08S | 5.26                         | High | 909  | 0.00                | 5.26                       | Water level at top of casing (very slight artesian at high tide/ slight artesian at low tide) |
|          |                              | Low  | 1556 | -0.01               | 5.27                       |                                                                                               |
| SHMW-08I | 5.08                         | High | 910  | 1.30                | 3.78                       |                                                                                               |
|          |                              | Low  | 1557 | 2.29                | 2.79                       |                                                                                               |
| SHMW-09S | 4.36                         | High | 855  | 1.14                | 3.22                       | Measuring point lowered (well to be resurveyed)                                               |
|          |                              | Low  | 1539 | 0.84                | 3.52                       |                                                                                               |
| SHMW-09I | 4.41                         | High | 856  | 1.05                | 3.36                       |                                                                                               |
|          |                              | Low  | 1540 | 1.59                | 2.82                       |                                                                                               |
| SHMW-10S | 5.91                         | High | 851  | 3.81                | 2.10                       |                                                                                               |
|          |                              | Low  | 1531 | 4.67                | 1.24                       |                                                                                               |
| SHMW-10I | 5.89                         | High | 851  | 2.88                | 3.01                       |                                                                                               |
|          |                              | Low  | 1532 | 5.08                | 0.81                       |                                                                                               |
| SHMW-11S | 5.74                         | High | 853  | 4.28                | 1.46                       |                                                                                               |
|          |                              | Low  | 1536 | 5.38                | 0.36                       |                                                                                               |
| SHMW-11I | 5.79                         | High | 853  | 4.11                | 1.68                       |                                                                                               |
|          |                              | Low  | 1536 | 5.85                | -0.06                      |                                                                                               |
| SHMW-12S | 3.42                         | High | 902  | -0.02               | 3.44                       | Artesian for high and low tides                                                               |
|          |                              | Low  | 1543 | -0.28               | 3.70                       |                                                                                               |
| SHMW-12I | 3.29                         | High | 903  | -0.12               | 3.41                       | Artesian for high tide only                                                                   |
|          |                              | Low  | 1544 | 0.10                | 3.19                       |                                                                                               |
| SHMW-13S | 4.68                         | High | 907  | 0.08                | 4.60                       |                                                                                               |
|          |                              | Low  | 1552 | 0.06                | 4.62                       |                                                                                               |
| SHMW-13I | 4.70                         | High | 908  | 0.94                | 3.76                       |                                                                                               |
|          |                              | Low  | 1553 | 1.73                | 2.97                       |                                                                                               |

-- Not Available

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

| Well ID  | May 2002<br>Observations                       | May 2004<br>Observations                               | August 2004<br>Observations | October 2004<br>Observations     | November 2004<br>Observations                         | December 2004<br>Observations                      | January 2005<br>Observations     | February 2005<br>Observations                       | March 2005<br>Observations                  | April/Q1 2005<br>Observations               | June/Q2 2005<br>Observations     | September/Q3<br>2005<br>Observations                 | December/Q4<br>2005<br>Observations                            | March/Q1 2006<br>Observations                       |
|----------|------------------------------------------------|--------------------------------------------------------|-----------------------------|----------------------------------|-------------------------------------------------------|----------------------------------------------------|----------------------------------|-----------------------------------------------------|---------------------------------------------|---------------------------------------------|----------------------------------|------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| MW-01    | None Observed                                  | Odor                                                   | None Observed               | Not Checked                      | NR                                                    | NR                                                 | NR                               | NR                                                  | NR                                          | NR                                          | NR                               | NR                                                   | NR                                                             | NR                                                  |
| MW-02    | Approx. 0.16' of<br>DNAPL, sheen on<br>surface | Approx. 0.15' of<br>DNAPL, sheen on<br>surface         | Approx. 0.29' of<br>DNAPL   | Approx. 0.2' of<br>DNAPL         | Approx. 0.01' of<br>DNAPL, 1.0'<br>intermittent DNAPL | Approx. 0.1' of<br>DNAPL                           | Approx. 0.11' of<br>DNAPL        | Approx. 0.16' of<br>DNAPL                           | Approx. 0.15' of<br>DNAPL                   | Approx. 0.15' of<br>DNAPL                   | Trace DNAPL at<br>bottom of tape | Approx. 0.13' of<br>DNAPL                            | Approx. 0.09'<br>DNAPL,<br>naphthalene-like<br>odor            | Approx. 0.01'<br>DNAPL                              |
| MW-03    | Intermittent DNAPL<br>for 1.5'                 | Approx. 0.03' of<br>DNAPL,<br>naphthalene-like<br>odor | NR                          | Trace DNAPL at<br>bottom of tape | Trace DNAPL at<br>bottom of tape                      | Trace DNAPL at<br>bottom of tape                   | Trace DNAPL at<br>bottom of tape | Trace DNAPL at<br>bottom of tape                    | Trace DNAPL at<br>bottom of tape            | Trace DNAPL at<br>bottom of tape            | Trace DNAPL at<br>bottom of tape | Trace DNAPL at<br>bottom of tape                     | None, naphthalene-<br>like odor                                | No DNAPL<br>observed                                |
| MW-04    | None Observed                                  | Approx. 0.02' of<br>DNAPL,<br>naphthalene-like<br>odor | NR                          | Trace DNAPL at<br>bottom of tape | None Observed                                         | None Observed                                      | Trace DNAPL at<br>bottom of tape | Not Checked<br>(under snow pile)                    | None Observed                               | None Observed                               | None Observed                    | Trace DNAPL at<br>bottom of tape                     | Trace DNAPL at<br>bottom of tape                               | Trace DNAPL                                         |
| MW-05    | Blebs of LNAPL                                 | Approx. 1.0' of<br>DNAPL,<br>naphthalene-like<br>odor  | Approx. 0.75' of<br>DNAPL   | Approx. 4.5' of<br>LNAPL/NAPL    | Approx. 0.35' of<br>DNAPL, 3.6'<br>intermittent DNAPL | Trace DNAPL at<br>bottom of tape,<br>bubbles in WC | Trace DNAPL at<br>bottom of tape | Approx. 0.6' of<br>DNAPL, approx.<br>0.02' of LNAPL | Sporadic DNAPL,<br>approx. 0.1' of<br>LNAPL | Sporadic DNAPL,<br>approx. 0.1' of<br>LNAPL | Approx. 3.0' of<br>DNAPL         | Approx. 0.75' of<br>DNAPL, approx.<br>0.12' of LNAPL | DNAPL blebs in<br>purge H2O, 0.5'<br>DNAPL coating on<br>tubes | Approx. 0.15' of<br>DNAPL, approx.<br>0.1' of LNAPL |
| MW-06    | None Observed                                  | Slight naphthalene-<br>like odor                       | NR                          | NR                               | NR                                                    | NR                                                 | NR                               | NR                                                  | NR                                          | NR                                          | NR                               | NR                                                   | NR                                                             | NR                                                  |
| SHMW-01S | None Observed                                  | Slight naphthalene-<br>like odor                       | NR                          | NR                               | NR                                                    | NR                                                 | NR                               | NR                                                  | NR                                          | NR                                          | NR                               | NR                                                   | NR                                                             | NR                                                  |
| SHMW-01I | None Observed                                  | None Observed                                          | NR                          | NR                               | NR                                                    | NR                                                 | NR                               | NR                                                  | NR                                          | NR                                          | NR                               | NR                                                   | NR                                                             | NR                                                  |
| SHMW-02I | None Observed                                  | Approx. 4.9' of<br>DNAPL, sheen                        | Approx. 4.7' of<br>DNAPL    | Approx. 4.9' of<br>DNAPL         | Approx. 1.0' of<br>DNAPL, 3.0'<br>intermittent DNAPL  | Approx. 0.6' of<br>DNAPL                           | Approx. 0.65' of<br>DNAPL        | Approx. 0.5' of<br>DNAPL                            | Approx. 0.45' of<br>DNAPL                   | Approx. 1.1' of<br>DNAPL                    | Approx. 0.75' of<br>DNAPL        | Approx. 0.4' of<br>DNAPL                             | Approx. 1.3' of<br>DNAPL,<br>naphthalene-like<br>odor          | Approx. 0.35' of<br>DNAPL                           |
| SHMW-02D | None Observed                                  | None Observed                                          | NR                          | NR                               | NR                                                    | NR                                                 | NR                               | NR                                                  | NR                                          | NR                                          | NR                               | NR                                                   | NR                                                             | NR                                                  |

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

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

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

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

Table 2  
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| Well ID  | May 2002<br>Observations | May 2004<br>Observations          | August 2004<br>Observations | October 2004<br>Observations | November 2004<br>Observations | December 2004<br>Observations | January 2005<br>Observations | February 2005<br>Observations | March 2005<br>Observations | April/Q1 2005<br>Observations | June/Q2 2005<br>Observations | September/Q3<br>2005<br>Observations | December/Q4<br>2005<br>Observations | March/Q1 2006<br>Observations |
|----------|--------------------------|-----------------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|------------------------------|--------------------------------------|-------------------------------------|-------------------------------|
| SHMW-08I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-09S | None Observed            | Slight naphthalene-<br>like odor  | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-09I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-10S | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-10I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-11S | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-11I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-12S | None Observed            | Sheen, strong<br>sulfur-like odor | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-12I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-13S | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |
| SHMW-13I | None Observed            | None Observed                     | NR                          | NR                           | NR                            | NR                            | NR                           | NR                            | NR                         | NR                            | NR                           | NR                                   | NR                                  | NR                            |

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

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

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

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

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

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

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Table 3  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program  
Summary of BTEX, MTBE, PAH Results - Q4 2009

| Sample Name:<br>Sample Date:       | NYS<br>AWQS | SHMW-03I<br>12/16/2009 | SHMW-03S<br>12/16/2009 | Duplicate of:<br>SHMW-03S<br>12/16/2009 | SHMW-07S<br>12/21/2009 | SHMW-08S<br>12/17/2009 | SHMW-08I<br>12/17/2009 | SHMW-09S<br>12/17/2009 | SHMW-09I<br>12/17/2009 | SHMW-10S<br>12/16/2009 | SHMW-10I<br>12/16/2009 |
|------------------------------------|-------------|------------------------|------------------------|-----------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>BTEX (ug/L)</b>                 |             |                        |                        |                                         |                        |                        |                        |                        |                        |                        |                        |
| Benzene                            | 1           | 10 U                   | 2 J                    | 10 U                                    | 590                    | 4 J                    | 10 U                   | 99 J                   | 10 U                   | 10 U                   | 10 U                   |
| Toluene                            | 5           | 10 U                   | 10 U                   | 10 U                                    | 43                     | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Ethylbenzene                       | 5           | 10 U                   | 4 J                    | 10 U                                    | 970 J                  | 10 UJ                  | 10 UJ                  | 97 J                   | 10 UJ                  | 10 U                   | 10 U                   |
| Xylene, total                      | 5           | 10 U                   | 3 J                    | 10 U                                    | 580                    | 10 U                   | 10 U                   | 28                     | 10 U                   | 10 U                   | 10 U                   |
| Total BTEX                         | NE          | ND                     | 9                      | ND                                      | 2183                   | 4                      | ND                     | 224                    | ND                     | ND                     | ND                     |
| <b>Other VOCs (ug/L)</b>           |             |                        |                        |                                         |                        |                        |                        |                        |                        |                        |                        |
| Methyl tert-butyl ether            | 10*         | 10 U                   | 10 U                   | 10 U                                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total VOCs                         | NE          | ND                     | 9                      | ND                                      | 2183                   | 4                      | ND                     | 224                    | ND                     | ND                     | ND                     |
| <b>Non-carcinogenic PAH (ug/L)</b> |             |                        |                        |                                         |                        |                        |                        |                        |                        |                        |                        |
| Acenaphthene                       | 20*         | 10 U                   | 10 U                   | 10 U                                    | 200 J                  | 24                     | 10 U                   | 110                    | 10 U                   | 10 U                   | 10 U                   |
| Acenaphthylene                     | NE          | 10 U                   | 10 U                   | 10 U                                    | 4 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Anthracene                         | 50*         | 10 U                   | 10 U                   | 10 U                                    | 11                     | 3 J                    | 10 U                   | 3 J                    | 10 U                   | 10 U                   | 10 U                   |
| Benzo[g,h,i]perylene               | NE          | 10 U                   | 10 U                   | 10 U                                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Fluoranthene                       | 50*         | 10 U                   | 10 U                   | 10 U                                    | 6                      | 3 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Fluorene                           | 50*         | 10 U                   | 10 U                   | 10 U                                    | 45                     | 12                     | 10 U                   | 19                     | 10 U                   | 10 U                   | 10 U                   |
| Methylnaphthalene,2-               | NE          | 10 U                   | 10 U                   | 10 U                                    | 250 J                  | 3 J                    | 10 U                   | 12                     | 10 U                   | 10 U                   | 10 U                   |
| Naphthalene                        | 10*         | 10 U                   | 10 U                   | 10 U                                    | 4700                   | 38                     | 10 U                   | 230                    | 10 U                   | 10 U                   | 10 U                   |
| Phenanthrene                       | 50*         | 10 U                   | 10 U                   | 10 U                                    | 60                     | 25                     | 10 U                   | 15                     | 10 U                   | 10 U                   | 10 U                   |
| Pyrene                             | 50*         | 10 U                   | 10 U                   | 10 U                                    | 6                      | 4 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total Noncarcinogenic PAHs         | NE          | ND                     | ND                     | ND                                      | 5282                   | 112                    | ND                     | 389                    | ND                     | ND                     | ND                     |
| <b>Carcinogenic PAH (ug/L)</b>     |             |                        |                        |                                         |                        |                        |                        |                        |                        |                        |                        |
| Benz[a]anthracene                  | 0.002*      | 10 U                   | 10 U                   | 10 U                                    | 2 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[a]pyrene                     | ND          | 10 U                   | 10 U                   | 10 U                                    | 1 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[b]fluoranthene               | 0.002*      | 10 U                   | 10 U                   | 10 U                                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[k]fluoranthene               | 0.002*      | 10 UJ                  | 10 UJ                  | 10 UJ                                   | 10 U                   | 10 UJ                  | 10 UJ                  | 10 UJ                  | 10 UJ                  | 10 UJ                  | 10 UJ                  |
| Chrysene                           | 0.002*      | 10 U                   | 10 U                   | 10 U                                    | 1 J                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Dibenz[a,h]anthracene              | NE          | 10 U                   | 10 U                   | 10 U                                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Indeno[1,2,3-cd]pyrene             | 0.002*      | 10 U                   | 10 U                   | 10 U                                    | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total Carcinogenic PAHs            | NE          | ND                     | ND                     | ND                                      | 4                      | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| <b>Total PAH (ug/L)</b>            |             |                        |                        |                                         |                        |                        |                        |                        |                        |                        |                        |
| Total PAH                          | NE          | ND                     | ND                     | ND                                      | 5286                   | 112                    | ND                     | 389                    | ND                     | ND                     | ND                     |

Table 3  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program  
Summary of BTEX, MTBE, PAH Results - Q4 2009

| Sample Name:<br>Sample Date:       | NYS<br>AWQS | SHMW-11S<br>12/16/2009 | SHMW-11I<br>12/16/2009 | SHMW-12S<br>12/17/2009 | SHMW-12I<br>12/17/2009 | SHMW-13S<br>12/21/2009 | SHMW-13I<br>12/21/2009 |
|------------------------------------|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>BTEX (ug/L)</b>                 |             |                        |                        |                        |                        |                        |                        |
| Benzene                            | 1           | 10 U                   | 10 U                   | 47                     | 2 J                    | 10 U                   | 10 U                   |
| Toluene                            | 5           | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Ethylbenzene                       | 5           | 10 UJ                  | 10 U                   | 1 J                    | 10 UJ                  | 10 UJ                  | 10 UJ                  |
| Xylene, total                      | 5           | 10 U                   | 10 U                   | 10                     | 10 U                   | 10 U                   | 10 U                   |
| Total BTEX                         | NE          | ND                     | ND                     | 58                     | 2                      | ND                     | ND                     |
| <b>Other VOCs (ug/L)</b>           |             |                        |                        |                        |                        |                        |                        |
| Methyl tert-butyl ether            | 10*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total VOCs                         | NE          | ND                     | ND                     | 58                     | 2                      | ND                     | ND                     |
| <b>Non-carcinogenic PAH (ug/L)</b> |             |                        |                        |                        |                        |                        |                        |
| Acenaphthene                       | 20*         | 10 U                   | 10 U                   | 4 J                    | 10 U                   | 10 U                   | 10 U                   |
| Acenaphthylene                     | NE          | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Anthracene                         | 50*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[g,h,i]perylene               | NE          | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Fluoranthene                       | 50*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Fluorene                           | 50*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Methylnaphthalene,2-               | NE          | 10 U                   | 10 U                   | 2 J                    | 10 U                   | 10 U                   | 10 U                   |
| Naphthalene                        | 10*         | 10 U                   | 10 U                   | 210                    | 10 U                   | 10 U                   | 10 U                   |
| Phenanthrene                       | 50*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Pyrene                             | 50*         | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total Noncarcinogenic PAHs         | NE          | ND                     | ND                     | 216                    | ND                     | ND                     | ND                     |
| <b>Carcinogenic PAH (ug/L)</b>     |             |                        |                        |                        |                        |                        |                        |
| Benz[a]anthracene                  | 0.002*      | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[a]pyrene                     | ND          | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[b]fluoranthene               | 0.002*      | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Benzo[k]fluoranthene               | 0.002*      | 10 UJ                  | 10 UJ                  | 10 UJ                  | 10 UJ                  | 10 U                   | 10 U                   |
| Chrysene                           | 0.002*      | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Dibenz[a,h]anthracene              | NE          | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Indeno[1,2,3-cd]pyrene             | 0.002*      | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   | 10 U                   |
| Total Carcinogenic PAHs            | NE          | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| <b>Total PAH (ug/L)</b>            |             |                        |                        |                        |                        |                        |                        |
| Total PAH                          | NE          | ND                     | ND                     | 216                    | ND                     | ND                     | ND                     |

Table 3  
Sag Harbor Former MGP Site  
Groundwater Monitoring Program  
Summary of BTEX, MTBE, PAH Results - Q4 2009

**Notes:**

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

BTEX - benzene, toluene, ethylbenzene, and xylenes

VOCs - volatile organic compounds

PAH - polycyclic aromatic hydrocarbons

Total BTEX, Total VOCs, and Total PAHs are calculated using detects only.

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

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

NE - not established

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

Bolding indicates a detected concentration

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

**Validation Qualifiers:**

J - estimated value

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

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

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

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

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

| Well No. | Screen Interval (feet) | Total BTEX Concentrations (µg/L) |       |       |     |       |       |       |       |       |        | Min    | Max | Mean |
|----------|------------------------|----------------------------------|-------|-------|-----|-------|-------|-------|-------|-------|--------|--------|-----|------|
|          |                        | Sampling Date                    |       |       |     |       |       |       |       |       |        |        |     |      |
|          |                        | 2008                             |       |       |     | 2009  |       |       |       |       |        |        |     |      |
|          |                        | March                            | June  | Sep   | Dec | March | June  | Sept  | Dec   |       |        |        |     |      |
| 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     | 0     | 131    | 48     |     |      |
| 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 | 185   | 3,472  | 1,624  |     |      |
| SHMW-07I | 35.0 - 45.0            | --                               | --    | --    | --  | --    | --    | --    | --    | 0     | 0      | 0      |     |      |
| SHMW-08S | 1.0 - 7.0              | 8                                | 9     | 10    | --  | --    | 5     | 5     | 4     | 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     | 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      |     |      |
| 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    | 0     | 930    | 254    |     |      |
| 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      |     |      |
| SHMW-13I | 35.0 - 45.0            | --                               | --    | --    | 0   | --    | 0     | --    | 0     | 0     | 0      | 0      |     |      |

**NOTES:**

-- not analyzed or not applicable

µg/L - micrograms per liter

BTEX - benzene, toluene, ethylbenzene, and xylene

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

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

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

| Well No. | Screen Interval (feet) | Total PAH Concentrations (µg/L) |       |       |     |       |       |       |       |     |         | Min    | Max | Mean |
|----------|------------------------|---------------------------------|-------|-------|-----|-------|-------|-------|-------|-----|---------|--------|-----|------|
|          |                        | Sampling Date                   |       |       |     |       |       |       |       |     |         |        |     |      |
|          |                        | 2008                            |       |       |     | 2009  |       |       |       |     |         |        |     |      |
|          |                        | March                           | June  | Sep   | Dec | March | June  | Sept  | Dec   |     |         |        |     |      |
| 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   | 430     | 113    |     |      |
| 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 | 0   | 7,211   | 3,501  |     |      |
| SHMW-07I | 35.0 - 45.0            | --                              | --    | --    | --  | --    | --    | --    | --    | 0   | 2,212   | 369    |     |      |
| SHMW-08S | 1.0 - 7.0              | 14                              | 21    | 55    | --  | --    | 59    | 60    | 112   | 10  | 112     | 61     |     |      |
| 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   | 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   | 173     | 8      |     |      |
| SHMW-11I | 35.0 - 45.0            | --                              | --    | --    | 0   | --    | 0     | --    | 0     | 0   | 4       | 1      |     |      |
| SHMW-12S | 1.5 - 6.5              | 9                               | 137   | 259   | 280 | 0     | 332   | 4     | 216   | 0   | 600     | 202    |     |      |
| 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      |     |      |
| SHMW-13I | 35.0 - 45.0            | --                              | --    | --    | 0   | --    | 0     | --    | 0     | 0   | 0       | 0      |     |      |

**NOTES:**

-- not analyzed or not applicable

µg/L - micrograms per liter

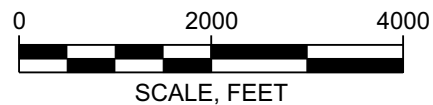
PAH - polycyclic aromatic hydrocarbons

## Figures

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SAG HARBOR FORMER MGP SITE  
SAG HARBOR, NEW YORK

**nationalgrid**



Project 093190-2-1203

**SITE LOCATION MAP**

April 2010

Figure 1

