

**2009 Annual Groundwater Sampling
and NAPL Monitoring/Recovery Report
for the Hempstead Intersection Street
Former Manufactured Gas Plant Site
Villages of Hempstead & Garden City
Nassau County, New York**



Prepared for:

National Grid

175 East Old Country Road
Hicksville, New York 11801

Prepared by:

URS Corporation - New York

77 Goodell Street
Buffalo, New York 14203

**2009 ANNUAL GROUNDWATER SAMPLING AND NAPL
MONITORING/RECOVERY REPORT**

**HEMPSTEAD INTERSECTION STREET
FORMER MANUFACTURED GAS PLANT SITE
VILLAGES OF HEMPSTEAD AND GARDEN CITY
NASSAU COUNTY, NEW YORK**

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February 2010

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
BTEX	benzene, toluene, ethylbenzene, xylenes
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
DUSR	data usability summary report
ft	foot (feet)
LNAPL	light non-aqueous phase liquid
NAPL	non-aqueous phase liquid
ND	not detected
MGP	manufactured gas plant
NM	not measured
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation-reduction potential
PAHs	polycyclic aromatic hydrocarbons
QC	quality control
RI	remedial investigation
Sh	sheen
TOR	top of riser
URS	URS Corporation
USEPA	United States Environmental Protection Agency
µg/L	micrograms per liter

EXECUTIVE SUMMARY

This annual report provides a summary of field activities, analytical results, and data interpretations associated with groundwater sampling and recovery of non-aqueous phase liquid (NAPL) at the Hempstead Intersection Street Former Manufactured Gas Plant (MGP) site in 2009.

Groundwater monitoring and sampling was conducted on January 9-20, April 23-May 1, July 29-August 4, and October 6-13, 2009. This included measuring the depth to groundwater and NAPL thickness in up to 85 wells. Groundwater samples were collected from 21 wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). NAPL monitoring and recovery was conducted during 24 events between January to December 2009.

The following results were obtained from the groundwater sampling and NAPL monitoring/recovery events:

- The general direction of groundwater flow in shallow, intermediate, and deep water-bearing zones was south at an average gradient that ranged from approximately 0.002-0.003 feet per feet (ft/ft) in 2009.
- The dissolved-phase plume extended up to approximately 3,600 ft south of the site boundary in 2009.
- Dense non-aqueous phase liquid (DNAPL) was detected in 28 wells during the fourth quarter, 23 wells during the third quarter, 27 wells during the second quarter, and 24 wells during the first quarter of 2009. The wells were located on site or within a parking lot immediately south of the site.
- Approximately 419 gallons of NAPL have been recovered since April 2007. The volume of NAPL recovered from the site wells in 2009 varied from approximately 3 to 14 gallons per event. The approximate volumes of NAPL recovered were 46 gallons during the fourth quarter, 51 gallons during the third quarter, 66 gallons during the second quarter, and 46 gallons during the first quarter.

- Based on a comparison between the 2009 data and the previous data the concentrations of total BTEX and total PAHs remained stable in the site monitoring wells.

1.0 INTRODUCTION

This annual report summarizes potentiometric head measurements, NAPL thickness measurements, and groundwater quality sampling performed during the first, second, third, and fourth quarters of 2009 at the Hempstead Intersection Street Former MGP Site (refer to Figures 1 and 2). The results of NAPL recovery activities conducted throughout 2009 are also presented.

Quarterly groundwater monitoring and bimonthly recovery of NAPL was initiated in April 2007. Separate reports have been issued for first, second, and third quarter activities performed in 2009 (URS 2009c, 2009d, 2009e). Results of the fourth quarter activities have not been presented in a separate quarterly report; instead, they are included in this annual report. Additionally, separate reports were also issued for the first, second, and third quarter activities performed in 2008, and an annual report was issued that encompassed all four quarters of 2008 (URS 2008b, 2008c, 2009a, 2009b). Separate reports were also issued for second and third quarter activities performed in 2007 and an annual report was issued that encompassed all three quarters of 2007 (URS 2007, 2008a).

URS Corporation (URS) performed the following activities in 2009:

- Measured the depth to groundwater and NAPL thickness in all accessible monitoring wells (January 6-February 4, April 22, July 28, and October 5, 2009).
- Collected groundwater samples from a select group of monitoring wells for laboratory analysis (January 9-20, April 23-May 1, July 29-August 4, and October 6-13).
- Recovered NAPL from accessible monitoring wells and piezometers (January 6, January 21, February 2, February 19, March 3, March 23, April 2, April 17, May 4, May 14, May 27, June 11, June 22, July 10, July 23, August 5, August 21, September 4, September 17, October 1, October 19, November 1, November 16, and December 6, 2009).

2.0 FIELD ACTIVITIES

The field activities performed by URS are summarized below.

- Measurement of the depth to groundwater and NAPL thickness in 85 monitoring wells.
- Collection of groundwater samples from 21 monitoring wells.
- Recovery of NAPL from accessible monitoring wells that contained measurable NAPL.

Monitoring wells and piezometers used for these activities are listed in Table 1.

2.1 Groundwater Depth and NAPL Thickness Measurements

Depths to groundwater and NAPL thickness measurements for 2009 are listed in Table 2. An electronic water level indicator was used to measure the depth to groundwater. NAPL thickness was measured using an oil/water interface probe and a weighted cotton string coated with oil indicator paste.

2.2 NAPL Recovery

Recovery of NAPL was conducted using the appropriate personal protective equipment. First, all accessible wells included in the recovery program were gauged using an oil/water interface probe to determine the depth to water, depth and thickness to any possible light non-aqueous phase liquid (LNAPL) at the top of the water column, and depth and thickness to possible DNAPL at the bottom of the water column. Wells with DNAPL were also gauged with a weighted cotton string to confirm the DNAPL thickness. The DNAPL was recovered using either a Waterra inertial lift pump, or a dedicated bailer if the DNAPL was particularly viscous, and was stored on an onsite storage tank for subsequent offsite disposal.

The quantity of the recovered DNAPL was estimated as the volume of NAPL contained inside the well prior to pumping, based on the cross sectional area of the well screen multiplied by the measured NAPL thickness.

NAPL was recovered during 5 events from October to December 2009 (Table 3). A sixth NAPL recovery event that was scheduled on December 19-20, 2009 was cancelled due to inclement weather.

2.3 Ground Water Sampling

Low-flow groundwater sampling methods were used, which consisted of purging groundwater at a rate of between 100 and 250 milliliters per minute. The water was pumped through a flow-through cell and monitored for pH, conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Purging was continued until stable conditions were achieved (defined as three consecutive stable readings [i.e. ± 10 percent] over a 15 minute period). Groundwater samples were collected afterwards and shipped under chain-of-custody procedures to H2M laboratories, Inc. for analysis of BTEX (United States Environmental Protection Agency [USEPA] Method 8260B) and PAHs (USEPA Method 8270C).

3.0 RESULTS

3.1 Dissolved-Phase Plume

The extent of the dissolved-phase groundwater plume boundary for the fourth quarter of 2009 is shown in Figure 3. The downgradient boundary of the plume, which is defined by total BTEX or PAH concentrations greater than 100 µg/L, extends approximately 3,600 feet south of the site boundary. Based on comparison with previous quarterly groundwater monitoring data, the concentrations of total BTEX or PAHs in groundwater have remained stable.

In October 2009, the concentrations of total BTEX or total PAHs in the furthest downgradient well pair (HIMW-15I/D) ranged from “not detected” (deep well, HIMW-15D) to 23 µg/L (intermediate well, HIMW-15I). The concentrations of total BTEX or total PAHs in well located between the site and the HIMW-15 cluster varied from “not detected” to 2,834 µg/L.

3.2 Potentiometric Heads and NAPL Thickness

Potentiometric heads and NAPL thickness measurements for 2009 are presented in Table 2. Potentiometric surface maps for shallow, intermediate and deep groundwater zones for the fourth quarter (Figures 4, 5, and 6) were developed using this data. Potentiometric surface maps for the first quarter, second quarter, and third quarter are provided in the previous quarterly reports (URS 2009c, 2009d, 2009e).

The data for 2009 indicates that the direction of groundwater flow was south at an average gradient that ranged from approximately 0.002-0.003 ft/ft.

DNAPL was detected in 28 wells during the fourth quarter, 23 wells in the third quarter, 27 wells in the second quarter, and 24 wells in the first quarter 2009 (Table 3). Figures 7 through 10 illustrate the thickness of DNAPL that was measured for the fourth, third, second, and first quarters of 2009.

Figures 11A through 11AD provide cumulative NAPL recovery and NAPL thickness plots for the period of December 2003 to December 2009. All of the wells where DNAPL was identified are either on the site or within a parking lot that is immediately south of the site.

3.3 Groundwater Analytical Results

Groundwater analytical results for the fourth, third, second, and first quarters of 2009 are summarized in Table 4 and illustrated on Figures 7-10.

Quarterly Data Usability Summary Reports (DUSRs) were prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for the Development of Data Usability Summary Reports, December 2002. An electronic copy of the DUSR for the fourth quarter monitoring event is included as Appendix A. Electronic copies of the DUSRs for the first, second, and third quarter monitoring events are provided in the quarterly reports. The reviews included a review of holding times; completeness of all required deliverables; quality control (QC) results (blanks, instrument tunes, calibration standards, matrix spike recoveries, duplicate analyses, and laboratory control sample recoveries) to determine if the data is within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers. All sample analyses were found to be compliant with the method and validation criteria and the data is useable as reported.

3.4 NAPL Recovery Volumes

Approximately 46 gallons of NAPL were recovered from 19 wells during the fourth quarter, approximately 51 gallons of NAPL recovered from 17 wells in the third quarter, approximately 66 gallons of NAPL from 20 wells in the second quarter, and approximately 46 gallons of NAPL from 248 wells in the first quarter of 2009 (Table 3). The volume of NAPL recovered during each event varied from approximately 3 to 14 gallons per event. Approximately 419 gallons of NAPL have been recovered since April 2007.

4.0 SUMMARY

Following is a summary of the 2009 annual groundwater sampling and NAPL monitoring/recovery data presented in this report.

- The general direction of groundwater flow in shallow, intermediate, and deep water-bearing zones was south at an average gradient that ranged from approximately 0.002-0.003 ft/ft in 2009.
- The dissolved-phase plume extended up to approximately 3,600 feet south of the site boundary in 2009.
- DNAPL was detected in 28 wells during the fourth quarter, 23 wells during the third quarter, 27 wells during the second quarter, and 24 wells during the first quarter of 2009. The wells were located on site or within a parking lot immediately south of the site.
- Approximately 419 gallons of NAPL have been recovered since April 2007. The volume of NAPL recovered from the site wells in 2009 varied from approximately 3 to 14 gallons per event. The approximate volumes of NAPL recovered were 46 gallons during the fourth quarter, 51 gallons during the third quarter, 66 gallons during the second quarter, and 46 gallons during the first quarter.
- Based on a comparison between the 2009 data and the previous data the concentrations of total BTEX and total PAHs remained stable in the site monitoring wells.

REFERENCES

- URS, 2007. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Second and Third Quarters of 2007 (April 2007 and July-August 2007) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* November.
- URS, 2008a. *2007 Annual Groundwater Sampling and NAPL Monitoring/Recovery Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* February.
- URS, 2008b. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the First Quarter of 2008 (January – March 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* June.
- URS, 2008c. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Second Quarter of 2008 (April - June 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* October.
- URS, 2009a. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Third Quarter of 2008 (July - September 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* January.
- URS, 2009b. *2008 Annual Groundwater Sampling and NAPL Monitoring/Recovery Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* March.
- URS, 2009c. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the First Quarter of 2009 (January - March 2009) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* June.
- URS, 2009d. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Second Quarter of 2009 (April - June 2009) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* September.
- URS, 2009e. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Third Quarter of 2009 (July - September 2009) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* November.

TABLES

Table 1
Summary of 2009 Field Activities (1), (2)
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter (Oct-Dec 2009)			Third Quarter (Jul-Aug 2009)			Second Quarter (Apr-May 2009)			First Quarter (Jan-Mar 2009)		
	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality
HIMW-001S	X	X		X	X		X	X		X	X	
HIMW-001I	X	X		X	X		X	X		X	X	
HIMW-001D												
HIMW-002S	X			X	X							
HIMW-002I	X			X	X							
HIMW-002D	X			X	X							
HIMW-003S	X		X	X	X		X		X	X		X
HIMW-003I	X		X	X	X		X		X	X		X
HIMW-003D	X		X	X	X		X		X	X		X
HIMW-004S	X			X	X							
HIMW-004I	X			X	X							
HIMW-004D	X			X	X							
HIMW-005S			X	X	X	X	X		X	X		X
HIMW-005I			X	X	X	X	X		X	X		X
HIMW-005D			X	X	X	X	X		X	X		X
HIMW-006S	X	X		X	X		X	X		X	X	
HIMW-006I	X	X		X	X		X	X		X	X	
HIMW-006D	X	X										
HIMW-007S	X	X		X	X		X	X		X		
HIMW-007I	X	X		X	X		X	X		X		
HIMW-007D	X	X		X	X		X	X		X		
HIMW-008S	X		X	X	X	X	X		X	X		X
HIMW-008I	X		X	X	X	X	X		X	X		X
HIMW-008D	X		X	X	X	X	X		X	X		X
HIMW-009S	X											
HIMW-009I	X											
HIMW-009D	X											
HIMW-010S	X			X	X							
HIMW-010I	X			X	X							
HIMW-010D	X			X	X							
HIMW-011S	X	X		X	X		X	X		X	X	
HIMW-011I	X	X					X	X		X	X	
HIMW-011D	X											
HIMW-012S	X		X			X	X		X	X		X
HIMW-012I	X		X	X	X	X	X		X	X		X
HIMW-012D	X		X	X	X	X	X		X	X		X
HIMW-013S	X		X	X	X		X		X	X		X
HIMW-013I	X		X	X	X	X	X		X	X		X
HIMW-013D	X		X	X	X	X	X		X	X		X
HIMW-014I	X		X	X	X	X	X		X	X		X
HIMW-014D	X		X	X	X		X		X	X		X
HIMW-015I	X		X	X	X	X	X		X	X		X
HIMW-015D	X		X	X	X	X	X		X	X		X
HIMW-016S				X	X		X	X		X	X	
HIMW-016I				X	X		X	X		X	X	
HIMW-017S				X	X		X	X		X	X	
HIMW-018S	X	X		X	X		X	X		X	X	
HIMW-018I	X	X		X	X		X	X		X	X	
HIMW-019S	X	X		X	X		X	X		X	X	
HIMW-019I	X	X		X	X		X	X		X	X	
HIMW-020S	X		X	X	X	X			X			X
HIMW-020I	X		X	X	X	X			X			X
HIMW-021												
PZ-02												
PZ-03												
PZ-08	X	X		X	X		X	X		X	X	
IPR-01	X	X		X	X		X	X				
IPR-02	X	X		X	X		X	X		X	X	
IPR-03	X	X		X	X		X	X		X		
IPR-04	X	X		X	X		X	X		X		
IPR-05	X	X		X	X		X	X		X		
IPR-06	X	X		X	X		X	X		X	X	
IPR-07	X	X		X	X		X	X		X		
IPR-08	X	X		X	X		X	X				
IPR-09	X	X		X	X		X	X		X		
IPR-10	X	X		X	X		X	X		X		
IPR-11	X	X		X	X		X	X		X		

Table 1
Summary of 2009 Field Activities ^{(1), (2)}
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter (Oct-Dec 2009)			Third Quarter (Jul-Aug 2009)			Second Quarter (Apr-May 2009)			First Quarter (Jan-Mar 2009)		
	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality
IPR-12A	X	X		X	X		X	X		X	X	
IPR-12B	X	X		X	X		X	X		X		
IPR-13	X	X		X	X		X	X		X		
IPR-14				X	X		X	X		X		
IPR-15				X	X		X	X		X	X	
IPR-16				X	X		X	X		X	X	
IPR-17				X	X		X	X		X	X	
IPR-18				X	X		X	X		X		
IPR-19S				X	X		X	X		X		
IPR-19D				X	X		X	X		X		
IPR-20				X	X		X	X		X	X	
IPR-21				X	X		X	X		X	X	
IPR-22				X	X		X	X		X	X	
IPR-23				X	X		X	X		X		
IPR-24				X	X		X	X		X	X	
IPR-25	X	X					X	X		X	X	
IPR-26	X											
IPR-27	X											
IPR-28	X											
IPR-29												
IPR-30												
OSMW-01	X			X	X		X	X		X		
OSMW-02	X			X	X		X	X		X		
OSMW-03	X						X	X		X		

Notes:

- 1 Field marked with "X" indicates that the activity was performed.
- 2 Blank field indicates that the activity was not performed.

Table 1
Summary of 2009 Field Activities ^{(1), (2)}
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter 2009					Third Quarter 2009						Second Quarter 2009						First Quarter 2009						
	Dec. 6, 2009	Nov. 16, 2009	Nov. 1, 2009	Oct. 19, 2009	Oct. 1, 2009	Sept. 16, 2009	Sept. 4, 2009	Aug. 21, 2009	Aug. 5, 2009	July 23, 2009	July 10, 2009	June 22, 2009	June 11, 2009	May 27, 2009	May 14, 2009	May 4, 2009	Apr. 17, 2009	Apr. 2, 2009	Mar. 23, 2009	Mar. 3, 2009	Feb. 19, 2009	Feb. 2, 2009	Jan. 21, 2009	Jan. 6, 2009
HIMW-001S		X		X		X		X	X	X		X		X	X	X	X	X	X	X	X		X	X
HIMW-001I	X	X			X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X
HIMW-001D																								
HIMW-002S																								
HIMW-002I																								
HIMW-002D																								
HIMW-003S																								
HIMW-003I																								
HIMW-003D																								
HIMW-004S																								
HIMW-004I																								
HIMW-004D																								
HIMW-005S																								
HIMW-005I																								
HIMW-005D																								
HIMW-006S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-006I		X		X	X	X				X		X	X	X	X	X	X	X		X	X	X	X	X
HIMW-006D																								
HIMW-007S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-007I		X		X		X		X		X		X		X		X		X		X		X		X
HIMW-007D		X		X		X		X		X		X		X		X		X		X		X		X
HIMW-008S																								
HIMW-008I																								
HIMW-008D																								
HIMW-009S																								
HIMW-009I																								
HIMW-009D																								
HIMW-010S																								
HIMW-010I																								
HIMW-010D																								
HIMW-011S				X		X		X		X		X		X		X		X		X		X		X
HIMW-011I				X		X						X		X		X		X		X				
HIMW-011D																								
HIMW-012S																								
HIMW-012I																								
HIMW-012D																								
HIMW-013S																								
HIMW-013I																								
HIMW-013D																								
HIMW-014I																								
HIMW-014D																								
HIMW-015I																								
HIMW-015D																								
HIMW-016S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-016I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-017S	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-018S		X		X	X	X		X		X		X		X		X		X		X		X		X
HIMW-018I		X		X		X		X		X		X		X		X		X		X		X		X
HIMW-019S		X		X		X		X		X		X		X		X		X		X		X		X
HIMW-019I		X		X		X		X		X		X		X		X		X		X		X		X
HIMW-020S																								
HIMW-020I																								
HIMW-021					X	X																		
PZ-02																								
PZ-03																								
PZ-08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 1
Summary of 2009 Field Activities ^{(1), (2)}
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter 2009					Third Quarter 2009					Second Quarter 2009						First Quarter 2009							
	Dec. 6, 2009	Nov. 16, 2009	Nov. 1, 2009	Oct. 19, 2009	Oct. 1, 2009	Sept. 16, 2009	Sept. 4, 2009	Aug. 21, 2009	Aug. 5, 2009	July 23, 2009	July 10, 2009	June 22, 2009	June 11, 2009	May 27, 2009	May 14, 2009	May 4, 2009	Apr. 17, 2009	Apr. 2, 2009	Mar. 23, 2009	Mar. 3, 2009	Feb. 19, 2009	Feb. 2, 2009	Jan. 21, 2009	Jan. 6, 2009
IPR-01		X		X		X		X		X		X		X		X		X						
IPR-02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X		
IPR-03		X		X		X		X		X		X		X		X		X						
IPR-04		X		X		X		X		X		X		X		X		X						
IPR-05		X		X		X		X		X		X		X		X		X						
IPR-06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X
IPR-07		X		X		X		X		X		X		X		X		X						
IPR-08		X		X		X		X		X		X		X		X		X						
IPR-09		X		X		X		X		X		X		X		X		X						
IPR-10		X		X		X		X		X		X		X		X		X						
IPR-11		X		X		X		X		X		X		X		X		X						
IPR-12A		X		X	X	X		X		X		X		X		X		X						X
IPR-12B		X		X		X		X		X		X		X		X		X						
IPR-13		X		X		X		X		X		X		X		X		X						
IPR-14		X		X		X		X		X		X		X		X		X						
IPR-15		X		X		X		X		X		X		X		X		X				X		X
IPR-16		X		X		X		X		X		X	X	X	X	X	X	X				X		X
IPR-17		X		X		X		X		X		X	X	X	X	X	X	X				X		X
IPR-18		X		X		X		X		X		X		X		X		X		X				
IPR-19S		X		X		X		X		X		X		X		X		X						
IPR-19D		X		X		X		X		X		X		X		X		X						
IPR-20		X		X		X		X	X	X		X		X	X	X	X	X						X
IPR-21	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X				X
IPR-22	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X
IPR-23		X		X		X		X		X		X		X		X		X						
IPR-24		X		X		X		X		X		X		X	X	X	X	X				X		X
IPR-25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IPR-26		X		X		X																		
IPR-27		X		X		X																		
IPR-28		X		X		X																		
IPR-29		X		X	X	X																		
IPR-30		X		X		X																		
OSMW-01				X		X		X																
OSMW-02				X		X																		
OSMW-03				X		X																		

Notes:

- 1 Field marked with "X" indicates that the activity was performed.
- 2 Blank field indicates that the activity was not performed.

Table 2
Groundwater and NAPL Measurements
Fourth Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL ⁽²⁾	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	10/5/2009	71.61	ND	25.86	25.85	40.9	0	sheen	45.75
HIMW-001I	10/5/2009	71.68	ND	25.91	25.90	85.9	0	sheen	45.77
HIMW-001D	NM	71.95	ND	NM	ND	129.1	0	0	NM
HIMW-002S	10/5/2009	73.82	ND	27.77	ND	42.4	0	0	46.05
HIMW-002I	10/5/2009	78.87	ND	27.87	ND	92.9	0	0	51.00
HIMW-002D	10/5/2009	74.13	ND	28.08	ND	119.0	0	0	46.05
HIMW-003S	10/5/2009	65.00	ND	19.28	ND	34.8	0	0	45.72
HIMW-003I	10/5/2009	64.94	ND	19.93	ND	87.1	0	0	45.01
HIMW-003D	10/5/2009	65.26	ND	20.41	ND	145.5	0	0	44.85
HIMW-004S	10/5/2009	72.74	ND	27.68	ND	41.7	0	0	45.06
HIMW-004I	10/5/2009	72.78	ND	27.85	ND	90.6	0	0	44.93
HIMW-004D	10/5/2009	72.65	ND	28.85	ND	180.5	0	0	43.80
HIMW-005S	NM	67.19	ND	NM	ND	39.1	0	0	NM
HIMW-005I	NM	67.22	ND	NM	ND	92.3	0	0	NM
HIMW-005D	NM	67.22	ND	NM	ND	139.0	0	0	NM
HIMW-006S	10/5/2009	68.25	ND	21.71	20.11	36.9	0	1.6	46.54
HIMW-006I	10/5/2009	67.88	ND	22.51	ND	82.2	0	0	45.37
HIMW-006D	10/5/2009	67.77	ND	22.39	ND	120.0	0	0	45.38
HIMW-007S	10/5/2009	70.47	ND	24.93	23.93	40.7	0	1.00	45.54
HIMW-007I	10/5/2009	70.10	ND	24.92	24.91	90.6	0	sheen	45.18
HIMW-007D	10/5/2009	70.40	ND	24.77	ND	117.7	0	0	45.63
HIMW-008S	10/5/2009	65.04	ND	20.19	ND	37.1	0	0	44.85
HIMW-008I	10/5/2009	65.14	ND	20.37	ND	75.1	0	0	44.77
HIMW-008D	10/5/2009	64.93	ND	20.18	ND	114.8	0	0	44.75
HIMW-009S	10/5/2009	70.03	ND	24.69	ND	39.6	0	0	45.34
HIMW-009I	10/5/2009	69.93	ND	24.65	ND	80.5	0	0	45.28
HIMW-009D	10/5/2009	69.96	ND	24.78	ND	NM	0	0	45.18
HIMW-010S	10/5/2009	71.60	ND	25.91	ND	40.3	0	0	45.69
HIMW-010I	10/5/2009	71.47	ND	25.76	ND	91.8	0	0	45.71
HIMW-010D	10/5/2009	71.44	ND	25.72	ND	136.0	0	0	45.72
HIMW-011S	10/5/2009	71.62	ND	25.73	ND	41.6	0	0	45.89
HIMW-011I	10/5/2009	71.43	ND	25.59	ND	94.5	0	0	45.84
HIMW-011D	10/5/2009	71.39	ND	25.51	ND	123.6	0	0	45.88
HIMW-012S	10/5/2009	61.58	ND	17.85	ND	33.5	0	0	43.73
HIMW-012I	10/5/2009	61.59	ND	17.71	ND	75.0	0	0	43.88
HIMW-012D	10/5/2009	61.82	ND	20.41	ND	128.5	0	0	41.41
HIMW-013S	10/5/2009	72.83	ND	30.93	ND	49.2	0	0	41.90
HIMW-013I	10/5/2009	72.60	ND	30.69	ND	82.6	0	0	41.91
HIMW-013D	10/5/2009	72.53	ND	30.71	ND	122.5	0	0	41.82
HIMW-014I	10/5/2009	71.71	ND	29.82	ND	96.9	0	0	41.89
HIMW-014D	10/5/2009	71.59	ND	33.08	ND	152.0	0	0	38.51
HIMW-015I	10/5/2009	64.18	ND	25.31	ND	93.1	0	0	38.87
HIMW-015D	10/5/2009	63.96	ND	27.79	ND	155.0	0	0	36.17
HIMW-016S	NM	67.45	ND	NM	ND	34.4	0	0	NM
HIMW-016I	NM	67.50	ND	NM	ND	82.7	0	0	NM
HIMW-017S	NM	65.96	ND	NM	ND	36.7	0	0	NM
HIMW-018S	10/5/2009	69.76	ND	24.11	24.10	42.1	0	sheen	45.65
HIMW-018I	10/5/2009	69.70	ND	24.02	ND	71.2	0	0	45.68
HIMW-019S	10/5/2009	70.95	ND	24.95	24.94	39.4	0	sheen	46.00
HIMW-019I	10/5/2009	71.27	ND	25.14	ND	68.9	0	0	46.13
HIMW-020S	10/5/2009	70.43	ND	26.03	ND	35.0	0	0	44.40
HIMW-020I	10/5/2009	70.30	ND	25.89	ND	73.0	0	0	44.41

Table 2
Groundwater and NAPL Measurements
Fourth Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL ⁽²⁾	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]		[ft]	[ft]	[ft amsl]
PZ-02	NM	72.96	ND	NM	ND	35.3	0	0	NM
PZ-03	NM	64.58	ND	NM	ND	29.5	0	0	NM
PZ-08	10/5/2009	70.51	ND	24.69	23.99	35.5	0	0.70	45.82
IPR-01	10/5/2009	70.30	ND	24.31	ND	41.9	0	0	45.99
IPR-02	10/5/2009	68.84	ND	22.97	22.96	70.3	0	sheen	45.87
IPR-03	10/5/2009	69.16	ND	23.31	ND	44.7	0	0	45.85
IPR-04	10/5/2009	69.23	ND	23.47	ND	84.4	0	0	45.76
IPR-05	10/5/2009	70.39	ND	24.89	ND	52.1	0	0	45.50
IPR-06	10/5/2009	70.79	ND	25.03	24.53	55.4	0	0.50	45.76
IPR-07	10/5/2009	69.73	ND	24.28	ND	38.0	0	0	45.45
IPR-08	10/5/2009	70.51	ND	24.92	ND	40.3	0	0	45.59
IPR-09	10/5/2009	70.00	ND	24.42	ND	45.0	0	0	45.58
IPR-10	10/5/2009	70.80	ND	25.09	ND	44.8	0	0	45.71
IPR-11	10/5/2009	68.29	ND	22.78	ND	44.6	0	0	45.51
IPR-12A	10/5/2009	70.14	ND	24.56	24.55	38.1	0	0	45.58
IPR-12B	10/5/2009	69.56	ND	24.01	24.00	45.2	0	sheen	45.55
IPR-13	10/5/2009	70.77	ND	25.12	ND	44.4	0	0	45.65
IPR-14	NM	66.93	ND	NM	ND	44.4	0	0	NM
IPR-15	NM	67.93	ND	NM	ND	44.4	0	0	NM
IPR-16	NM	69.49	ND	NM	ND	49.1	0	0	NM
IPR-17	NM	70.60	ND	NM	ND	54.1	0	0	NM
IPR-18	NM	66.87	ND	NM	ND	50.0	0	0	NM
IPR-19S	NM	67.68	ND	NM	ND	45.1	0	0	NM
IPR-19D	NM	67.96	ND	NM	ND	89.9	0	0	NM
IPR-20	NM	66.70	ND	NM	ND	45.4	0	0	NM
IPR-21	NM	67.67	ND	NM	ND	45.0	0	0	NM
IPR-22	NM	66.33	ND	NM	ND	45.4	0	0	NM
IPR-23	NM	66.67	ND	NM	ND	45.4	0	0	NM
IPR-24	NM	65.88	ND	NM	ND	44.4	0	0	NM
IPR-25	10/5/2009	70.56	ND	24.68	NM	44.5	0	0.65	45.88
IPR-26	10/5/2009	NM	ND	24.38	ND	NM	0	0	NM
IPR-27	10/5/2009	NM	ND	25.01	ND	NM	0	0	NM
IPR-28	10/5/2009	NM	ND	22.48	ND	NM	0	0	NM
IPR-29	NM	NM	ND	NM	NM	NM	0	0	NM
IPR-30	NM	NM	ND	NM	NM	NM	0	0	NM
IPR-31	NM	NM	ND	NM	NM	NM	0	0	NM
HIMW-21	NM	NM	ND	NM	NM	NM	0	0	NM
OSMW-01	10/5/2009	71.12	ND	25.12	ND	42.2	0	0	46.00
OSMW-02	10/5/2009	71.59	ND	25.83	ND	45.2	0	0	45.76
OSMW-03	10/5/2009	71.39	ND	25.72	ND	44.7	0	0	45.67

Notes:

- (1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
- (2) DNAPL thicknesses measured on 10/5/2009

sheen Sheen = assumed thickness of 0.01 ft
 NM not measured
 LNAPL light non-aqueous phase liquid
 DNAPL dense non-aqueous phase liquid
 TOR top of riser
 amsl above mean sea level
 ND NAPL not detected

Table 2
Groundwater and NAPL Measurements
Third Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL ⁽²⁾	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	7/28/2009	71.61	ND	24.74	24.73	40.9	0	sheen	46.87
HIMW-001I	7/28/2009	71.68	ND	24.88	24.18	85.9	0	0.70	46.80
HIMW-001D	NM	71.95	ND	NM	ND	129.1	0	0	NM
HIMW-002S	7/28/2009	73.82	ND	26.74	ND	42.4	0	0	47.08
HIMW-002I	7/28/2009	78.87	ND	26.82	ND	92.9	0	0	52.05
HIMW-002D	7/28/2009	74.13	ND	27.02	ND	119.0	0	0	47.11
HIMW-003S	7/28/2009	65.00	ND	18.24	ND	34.8	0	0	46.76
HIMW-003I	7/28/2009	64.94	ND	18.59	ND	87.1	0	0	46.35
HIMW-003D	7/28/2009	65.26	ND	19.46	ND	145.5	0	0	45.80
HIMW-004S	7/28/2009	72.74	ND	26.62	ND	41.7	0	0	46.12
HIMW-004I	7/28/2009	72.78	ND	26.82	ND	90.6	0	0	45.96
HIMW-004D	7/28/2009	72.65	ND	27.73	ND	180.5	0	0	44.92
HIMW-005S	7/28/2009	67.19	ND	20.95	ND	39.1	0	0	46.24
HIMW-005I	7/28/2009	67.22	ND	21.17	ND	92.3	0	0	46.05
HIMW-005D	7/28/2009	67.22	ND	22.02	ND	139.0	0	0	45.20
HIMW-006S	7/28/2009	68.25	ND	21.72	19.32	36.9	0	2.4	46.53
HIMW-006I	7/28/2009	67.88	ND	21.47	ND	82.2	0	0	46.41
HIMW-006D	NM	67.77	ND	NM	ND	120.0	0	0	NM
HIMW-007S	7/28/2009	70.47	ND	23.88	23.38	40.7	0	0.50	46.59
HIMW-007I	7/28/2009	70.10	ND	23.89	ND	90.6	0	0	46.21
HIMW-007D	7/28/2009	70.40	ND	23.85	ND	117.7	0	0	46.55
HIMW-008S	7/28/2009	65.04	ND	19.16	ND	37.1	0	0	45.88
HIMW-008I	7/28/2009	65.14	ND	19.34	ND	75.1	0	0	45.80
HIMW-008D	7/28/2009	64.93	ND	19.16	ND	114.8	0	0	45.77
HIMW-009S	NM	70.03	ND	NM	ND	39.6	0	0	NM
HIMW-009I	NM	69.93	ND	NM	ND	80.5	0	0	NM
HIMW-009D	NM	69.96	ND	NM	ND	NM	0	0	NM
HIMW-010S	7/28/2009	71.60	ND	24.89	ND	40.3	0	0	46.71
HIMW-010I	7/28/2009	71.47	ND	24.78	ND	91.8	0	0	46.69
HIMW-010D	7/28/2009	71.44	ND	24.69	ND	136.0	0	0	46.75
HIMW-011S	7/28/2009	71.62	ND	24.68	ND	41.6	0	0	46.94
HIMW-011I	NM	71.43	ND	NM	ND	94.5	0	0	NM
HIMW-011D	NM	71.39	ND	NM	ND	123.6	0	0	NM
HIMW-012S	NM	61.58	ND	NM	ND	33.5	0	0	NM
HIMW-012I	7/28/2009	61.59	ND	16.66	ND	75.0	0	0	44.93
HIMW-012D	7/28/2009	61.82	ND	18.86	ND	128.5	0	0	42.96
HIMW-013S	7/28/2009	72.83	ND	29.81	ND	49.2	0	0	43.02
HIMW-013I	7/28/2009	72.60	ND	29.59	ND	82.6	0	0	43.01
HIMW-013D	7/28/2009	72.53	ND	29.61	ND	122.5	0	0	42.92
HIMW-014I	7/28/2009	71.71	ND	28.58	ND	96.9	0	0	43.13
HIMW-014D	7/28/2009	71.59	ND	32.80	ND	152.0	0	0	38.79
HIMW-015I	7/28/2009	64.18	ND	24.45	ND	93.1	0	0	39.73
HIMW-015D	7/28/2009	63.96	ND	27.81	ND	155.0	0	0	36.15
HIMW-016S	7/28/2009	67.45	ND	21.02	17.62	34.4	0	3.40	46.43
HIMW-016I	7/28/2009	67.50	ND	21.15	16.45	82.7	0	4.70	46.35

Table 2
Groundwater and NAPL Measurements
Third Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL ⁽²⁾	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	7/28/2009	65.96	ND	19.80	19.00	36.7	0	0.8	46.16
HIMW-018S	7/28/2009	69.76	ND	23.06	23.05	42.1	0	sheen	46.70
HIMW-018I	7/28/2009	69.70	ND	22.97	ND	71.2	0	0	46.73
HIMW-019S	7/28/2009	70.95	ND	23.92	ND	39.4	0	0	47.03
HIMW-019I	7/28/2009	71.27	ND	24.11	ND	68.9	0	0	47.16
HIMW-020S	7/28/2009	70.43	ND	25.00	ND	35.0	0	0	45.43
HIMW-020I	7/28/2009	70.30	ND	24.85	ND	73.0	0	0	45.45
PZ-02	NM	72.96	ND	NM	ND	35.3	0	0	NM
PZ-03	NM	64.58	ND	NM	ND	29.5	0	0	NM
PZ-08	7/28/2009	70.51	ND	22.68	21.28	35.5	0	1.40	47.83
IPR-01	7/28/2009	70.30	ND	23.26	ND	41.9	0	0	47.04
IPR-02	7/28/2009	68.84	ND	21.93	21.53	70.3	0	0.4	46.91
IPR-03	7/28/2009	69.16	ND	22.31	ND	44.7	0	0	46.85
IPR-04	7/28/2009	69.23	ND	22.44	ND	84.4	0	0	46.79
IPR-05	7/28/2009	70.39	ND	23.55	ND	52.1	0	0	46.84
IPR-06	7/28/2009	70.79	ND	24.00	23.00	55.4	0	1.00	46.79
IPR-07	7/28/2009	69.73	ND	23.10	ND	38.0	0	0	46.63
IPR-08	7/28/2009	70.51	ND	23.90	ND	40.3	0	0	46.61
IPR-09	7/28/2009	70.00	ND	23.38	ND	45.0	0	0	46.62
IPR-10	7/28/2009	70.80	ND	24.08	ND	44.8	0	0	46.72
IPR-11	7/28/2009	68.29	ND	21.76	ND	44.6	0	0	46.53
IPR-12A	7/28/2009	70.14	ND	23.54	23.53	38.1	0	sheen	46.60
IPR-12B	7/28/2009	69.56	ND	22.98	ND	45.2	0	0	46.58
IPR-13	7/28/2009	70.77	ND	23.66	ND	44.4	0	0	47.11
IPR-14	7/28/2009	66.93	ND	20.45	ND	44.4	0	0	46.48
IPR-15	7/28/2009	67.93	ND	21.41	ND	44.4	0	0	46.52
IPR-16	7/28/2009	69.49	ND	22.89	22.88	49.1	0	sheen	46.60
IPR-17	7/28/2009	70.60	ND	23.97	23.96	54.1	0	sheen	46.63
IPR-18	7/28/2009	66.87	ND	20.51	ND	50.0	0	0	46.36
IPR-19S	7/28/2009	67.68	ND	21.28	ND	45.1	0	0	46.40
IPR-19D	7/28/2009	67.96	ND	21.56	ND	89.9	0	0	46.40
IPR-20	7/28/2009	66.70	ND	20.39	20.09	45.4	0	0.3	46.31
IPR-21	7/28/2009	67.67	ND	21.31	20.91	45.0	0	0.4	46.36
IPR-22	7/28/2009	66.33	ND	20.16	19.76	45.4	0	0.4	46.17
IPR-23	7/28/2009	66.67	ND	20.41	ND	45.4	0	0	46.26
IPR-24	7/28/2009	65.88	ND	19.78	ND	44.4	0	0	46.10
IPR-25	NM	70.56	ND	NM	NM	44.5	0	0.50	NM
OSMW-01	7/28/2009	71.12	ND	24.07	ND	42.2	0	0	47.05
OSMW-02	7/28/2009	71.59	ND	24.78	ND	45.2	0	0	46.81
OSMW-03	NM	71.39	ND	NM	ND	44.7	0	0	NM

Notes:

- (1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
- (2) DNAPL thicknesses measured on 7/23/09

sheen Sheen = assumed thickness of 0.01 ft
 NM not measured
 LNAPL light non-aqueous phase liquid
 DNAPL dense non-aqueous phase liquid
 TOR top of riser
 amsl above mean sea level
 ND NAPL not detected

Table 2
Groundwater and NAPL Measurements
Second Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	4/22/2009	71.61	ND	26.68	26.67	40.9	0	sheen	44.93
HIMW-001I	4/22/2009	71.68	ND	25.95	25.75	85.9	0	0.20	45.73
HIMW-001D	NM	71.95	ND	NM	ND	129.1	0	0	NM
HIMW-002S	NM	73.82	ND	NM	ND	42.4	0	0	NM
HIMW-002I	NM	78.87	ND	NM	ND	92.9	0	0	NM
HIMW-002D	NM	74.13	ND	NM	ND	119.0	0	0	NM
HIMW-003S	4/22/2009	65.00	ND	19.25	ND	34.8	0	0	45.75
HIMW-003I	4/22/2009	64.94	ND	19.53	ND	87.1	0	0	45.41
HIMW-003D	4/22/2009	65.26	ND	20.21	ND	145.5	0	0	45.05
HIMW-004S	NM	72.74	ND	NM	ND	41.7	0	0	NM
HIMW-004I	NM	72.78	ND	NM	ND	90.6	0	0	NM
HIMW-004D	NM	72.65	ND	NM	ND	180.5	0	0	NM
HIMW-005S	4/22/2009	67.19	ND	21.96	ND	39.1	0	0	45.23
HIMW-005I	4/22/2009	67.22	ND	22.14	ND	92.3	0	0	45.08
HIMW-005D	4/22/2009	67.22	ND	22.73	ND	139.0	0	0	44.49
HIMW-006S	4/22/2009	68.25	ND	22.49	17.79	36.9	0	4.7	45.76
HIMW-006I	4/22/2009	67.88	ND	22.74	21.84	82.2	0	0.9	45.14
HIMW-006D	NM	67.77	ND	NM	ND	120.0	0	0	NM
HIMW-007S	4/22/2009	70.47	ND	24.93	24.03	40.7	0	0.90	45.54
HIMW-007I	4/22/2009	70.10	ND	24.92	ND	90.6	0	0	45.18
HIMW-007D	4/22/2009	70.40	ND	25.86	ND	117.7	0	0	44.54
HIMW-008S	4/22/2009	65.04	ND	20.23	ND	37.1	0	0	44.81
HIMW-008I	4/22/2009	65.14	ND	20.41	ND	75.1	0	0	44.73
HIMW-008D	4/22/2009	64.93	ND	20.22	ND	114.8	0	0	44.71
HIMW-009S	NM	70.03	ND	NM	ND	39.6	0	0	NM
HIMW-009I	NM	69.93	ND	NM	ND	80.5	0	0	NM
HIMW-009D	NM	69.96	ND	NM	ND	NM	0	0	NM
HIMW-010S	NM	71.60	ND	NM	ND	40.3	0	0	NM
HIMW-010I	NM	71.47	ND	NM	ND	91.8	0	0	NM
HIMW-010D	NM	71.44	ND	NM	ND	136.0	0	0	NM
HIMW-011S	4/22/2009	71.62	ND	26.77	ND	41.6	0	0	44.85
HIMW-011I	NM	71.43	ND	NM	ND	94.5	0	0	NM
HIMW-011D	4/22/2009	71.39	ND	25.56	ND	123.6	0	0	45.83
HIMW-012S	4/22/2009	61.58	ND	18.01	ND	33.5	0	0	43.57
HIMW-012I	4/22/2009	61.59	ND	17.86	ND	75.0	0	0	43.73
HIMW-012D	4/22/2009	61.82	ND	17.71	ND	128.5	0	0	44.11
HIMW-013S	4/22/2009	72.83	ND	30.26	ND	49.2	0	0	42.57
HIMW-013I	4/22/2009	72.60	ND	31.05	ND	82.6	0	0	41.55
HIMW-013D	4/22/2009	72.53	ND	31.04	ND	122.5	0	0	41.49
HIMW-014I	4/22/2009	71.71	ND	30.08	ND	96.9	0	0	41.63
HIMW-014D	4/22/2009	71.59	ND	32.20	ND	152.0	0	0	39.39
HIMW-015I	4/22/2009	64.18	ND	25.44	ND	93.1	0	0	38.74
HIMW-015D	4/22/2009	63.96	ND	25.90	ND	155.0	0	0	38.06
HIMW-016S	4/22/2009	67.45	ND	22.38	18.58	34.4	0	3.80	45.07
HIMW-016I	4/22/2009	67.50	ND	22.25	17.15	82.7	0	5.10	45.25

Table 2
Groundwater and NAPL Measurements
Second Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	4/22/2009	65.96	ND	20.88	18.93	36.7	0	1.95	45.08
HIMW-018S	4/22/2009	69.76	ND	24.02	23.82	42.1	0	0.2	45.74
HIMW-018I	4/22/2009	69.70	ND	24.09	ND	71.2	0	0	45.61
HIMW-019S	4/22/2009	70.95	ND	24.90	24.60	39.4	0	0.3	46.05
HIMW-019I	4/22/2009	71.27	ND	25.13	ND	68.9	0	0	46.14
HIMW-020S	NM	70.43	ND	NM	ND	35.0	0	0	NM
HIMW-020I	NM	70.30	ND	NM	ND	73.0	0	0	NM
PZ-02	NM	72.96	ND	NM	ND	35.3	0	0	NM
PZ-03	NM	64.58	ND	NM	ND	29.5	0	0	NM
PZ-08	4/22/2009	70.51	ND	24.72	23.82	35.5	0	0.90	45.79
IPR-01	4/22/2009	70.30	ND	24.32	ND	41.9	0	0	45.98
IPR-02	NM	68.84	ND	NM	ND	70.3	0	0	NM
IPR-03	4/22/2009	69.16	ND	23.26	ND	44.7	0	0	45.90
IPR-04	4/22/2009	69.23	ND	24.61	ND	84.4	0	0	44.62
IPR-05	4/22/2009	70.39	ND	23.45	23.44	52.1	0	sheen	46.94
IPR-06	4/22/2009	70.79	ND	25.07	24.97	55.4	0	0.10	45.72
IPR-07	4/22/2009	69.73	ND	23.55	ND	38.0	0	0	46.18
IPR-08	4/22/2009	70.51	ND	24.91	ND	40.3	0	0	45.60
IPR-09	4/22/2009	70.00	ND	24.09	ND	45.0	0	0	45.91
IPR-10	4/22/2009	70.80	ND	25.10	ND	44.8	0	0	45.70
IPR-11	4/22/2009	68.29	ND	24.79	ND	44.6	0	0	43.50
IPR-12A	4/22/2009	70.14	ND	24.51	24.50	38.1	0	sheen	45.63
IPR-12B	4/22/2009	69.56	ND	24.03	ND	45.2	0	0	45.53
IPR-13	4/22/2009	70.77	ND	22.45	ND	44.4	0	0	48.32
IPR-14	4/22/2009	66.93	ND	20.48	ND	44.4	0	0	46.45
IPR-15	4/22/2009	67.93	ND	25.15	25.14	44.4	0	sheen	42.78
IPR-16	4/22/2009	69.49	ND	23.93	23.23	49.1	0	0.7	45.56
IPR-17	4/22/2009	70.60	ND	25.00	24.90	54.1	0	0.1	45.60
IPR-18	4/22/2009	66.87	ND	21.55	ND	50.0	0	0	45.32
IPR-19S	NM	67.68	ND	NM	ND	45.1	0	0	NM
IPR-19D	4/22/2009	67.96	ND	23.60	ND	89.9	0	0	44.36
IPR-20	4/22/2009	66.70	ND	21.47	ND	45.4	0	0	45.23
IPR-21	4/22/2009	67.67	ND	21.40	20.40	45.0	0	1.0	46.27
IPR-22	4/22/2009	66.33	ND	21.22	19.42	45.4	0	1.8	45.11
IPR-23	4/22/2009	66.67	ND	21.53	ND	45.4	0	0	45.14
IPR-24	4/22/2009	65.88	ND	20.86	20.41	44.4	0	0.45	45.02
IPR-25	4/22/2009	70.56	ND	26.68	26.48	44.5	0	0.20	43.88
OSMW-01	4/22/2009	71.12	ND	25.15	ND	42.2	0	0	45.97
OSMW-02	4/22/2009	71.59	ND	25.88	ND	45.2	0	0	45.71
OSMW-03	NM	71.39	ND	NM	ND	44.7	0	0	NM

Notes:

- (1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
- sheen Sheen = assumed thickness of 0.01 ft.
- NM not measured
- LNAPL light non-aqueous phase liquid
- DNAPL dense non-aqueous phase liquid
- TOR top of riser
- amsl above mean sea level
- ND NAPL not detected

Table 2
Groundwater and NAPL Measurements
First Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	1/8/2009	71.61	ND	25.40	40.1	40.9	0	0.8	46.21
HIMW-001I	1/6/2009	71.68	ND	25.74	84.9	85.9	0	0.95	45.94
HIMW-001D	NM	71.95	ND	NM	ND	129.1	0	0	NM
HIMW-002S	NM	73.82	ND	NM	ND	42.4	0	0	NM
HIMW-002I	NM	78.87	ND	NM	ND	92.9	0	0	NM
HIMW-002D	NM	74.13	ND	NM	ND	119.0	0	0	NM
HIMW-003S	1/8/2009	65.00	ND	18.98	ND	34.8	0	0	46.02
HIMW-003I	1/8/2009	64.94	ND	19.23	ND	87.1	0	0	45.71
HIMW-003D	1/8/2009	65.26	ND	19.98	ND	145.5	0	0	45.28
HIMW-004S	NM	72.74	ND	NM	ND	41.7	0	0	NM
HIMW-004I	NM	72.78	ND	NM	ND	90.6	0	0	NM
HIMW-004D	NM	72.65	ND	NM	ND	180.5	0	0	NM
HIMW-005S	1/8/2009	67.19	ND	21.71	ND	39.1	0	0	45.48
HIMW-005I	1/8/2009	67.22	ND	22.23	ND	92.3	0	0	44.99
HIMW-005D	1/8/2009	67.22	ND	22.44	ND	139.0	0	0	44.78
HIMW-006S	1/7/2009	68.25	ND	23.05	32.7	36.9	0	4.2	45.20
HIMW-006I	1/8/2009	67.88	ND	22.27	81.6	82.2	0	0.6	45.61
HIMW-006D	NM	67.77	ND	NM	ND	120.0	0	0	NM
HIMW-007S	1/7/2009	70.47	ND	25.26	39.4	40.7	0	1.30	45.21
HIMW-007I	1/8/2009	70.10	ND	24.70	ND	90.6	0	0	45.40
HIMW-007D	1/8/2009	70.40	ND	24.71	ND	117.7	0	0	45.69
HIMW-008S	1/8/2009	65.04	ND	20.03	ND	37.1	0	0	45.01
HIMW-008I	1/8/2009	65.14	ND	20.18	ND	75.1	0	0	44.96
HIMW-008D	1/8/2009	64.93	ND	19.99	ND	114.8	0	0	44.94
HIMW-009S	NM	70.03	ND	NM	ND	39.6	0	0	NM
HIMW-009I	NM	69.93	ND	NM	ND	80.5	0	0	NM
HIMW-009D	NM	69.96	ND	NM	ND	NM	0	0	NM
HIMW-010S	NM	71.60	ND	NM	ND	40.3	0	0	NM
HIMW-010I	NM	71.47	ND	NM	ND	91.8	0	0	NM
HIMW-010D	NM	71.44	ND	NM	ND	136.0	0	0	NM
HIMW-011S	1/8/2009	71.62	ND	25.47	ND	41.6	0	0	46.15
HIMW-011I	1/8/2009	71.43	ND	26.36	ND	94.5	0	0	45.07
HIMW-011D	NM	71.39	ND	NM	ND	123.6	0	0	NM
HIMW-012S	1/8/2009	61.58	ND	17.79	ND	33.5	0	0	43.79
HIMW-012I	1/8/2009	61.59	ND	17.64	ND	75.0	0	0	43.95
HIMW-012D	1/8/2009	61.82	ND	19.77	ND	128.5	0	0	42.05
HIMW-013S	1/8/2009	72.83	ND	31.04	ND	49.2	0	0	41.79
HIMW-013I	1/8/2009	72.60	ND	29.85	ND	82.6	0	0	42.75
HIMW-013D	1/8/2009	72.53	ND	30.83	ND	122.5	0	0	41.70
HIMW-014I	1/8/2009	71.71	ND	30.00	ND	96.9	0	0	41.71
HIMW-014D	1/8/2009	71.59	ND	32.34	ND	152.0	0	0	39.25
HIMW-015I	1/8/2009	64.18	ND	25.36	ND	93.1	0	0	38.82
HIMW-015D	1/8/2009	63.96	ND	25.42	ND	155.0	0	0	38.54
HIMW-016S	1/7/2009	67.45	ND	22.47	28.3	34.4	0	6.10	44.98
HIMW-016I	1/7/2009	67.50	ND	22.55	76.2	82.7	0	6.50	44.95

Table 2
Groundwater and NAPL Measurements
First Quarter 2009
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head ⁽¹⁾
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	1/7/2009	65.96	ND	21.23	34.3	36.7	0	2.45	44.73
HIMW-018S	1/6/2009	69.76	ND	23.95	42.1	42.1	0	0.01	45.81
HIMW-018I	1/8/2009	69.70	ND	23.78	ND	71.2	0	0	45.92
HIMW-019S	1/6/2009	70.95	ND	24.80	39.4	39.4	0	0.01	46.15
HIMW-019I	1/8/2009	71.27	ND	24.87	ND	68.9	0	0	46.40
HIMW-020S	2/4/2009	70.43	ND	25.95	ND	35.0	0	0	44.48
HIMW-020I	2/4/2009	70.30	ND	25.79	ND	73.0	0	0	44.51
PZ-02	NM	72.96	ND	NM	ND	35.3	0	0	NM
PZ-03	NM	64.58	ND	NM	ND	29.5	0	0	NM
PZ-08	1/6/2009	70.51	ND	24.71	31.0	35.5	0	4.53	45.80
IPR-01	1/6/2009	70.30	ND	24.17	ND	41.9	0	0	46.13
IPR-02	1/8/2009	68.84	ND	22.57	ND	70.3	0	0.4	46.27
IPR-03	1/8/2009	69.16	ND	22.98	ND	44.7	0	0	46.18
IPR-04	1/8/2009	69.23	ND	23.18	ND	84.4	0	0	46.05
IPR-05	1/8/2009	70.39	ND	24.38	ND	52.1	0	0.01	46.01
IPR-06	1/6/2009	70.79	ND	24.90	55.2	55.4	0	0.25	45.89
IPR-07	1/8/2009	69.73	ND	24.53	ND	38.0	0	0	45.20
IPR-08	1/6/2009	70.51	ND	24.78	ND	40.3	0	0	45.73
IPR-09	1/8/2009	70.00	ND	24.18	ND	45.0	0	0	45.82
IPR-10	1/8/2009	70.80	ND	24.64	ND	44.8	0	0	46.16
IPR-11	1/8/2009	68.29	ND	22.55	ND	44.6	0	0	45.74
IPR-12A	1/6/2009	70.14	ND	22.46	37.9	38.1	0	0.2	47.68
IPR-12B	1/8/2009	69.56	ND	23.79	ND	45.2	0	0	45.77
IPR-13	1/8/2009	70.77	ND	24.89	ND	44.4	0	0	45.88
IPR-14	1/8/2009	66.93	ND	21.25	ND	44.4	0	0	45.68
IPR-15	1/6/2009	67.93	ND	22.34	44.4	44.4	0	0.01	45.59
IPR-16	1/8/2009	69.49	ND	23.72	ND	49.1	0	0.01	45.77
IPR-17	1/6/2009	70.60	ND	24.94	54.1	54.1	0	0.01	45.66
IPR-18	1/8/2009	66.87	ND	21.30	ND	50.0	0	0	45.57
IPR-19S	1/8/2009	67.68	ND	22.11	ND	45.1	0	0	45.57
IPR-19D	1/8/2009	67.96	ND	22.36	ND	89.9	0	0	45.60
IPR-20	1/6/2009	66.70	ND	21.35	45.1	45.4	0	0.3	45.35
IPR-21	1/6/2009	67.67	ND	22.26	44.0	45.0	0	1.0	45.41
IPR-22	1/6/2009	66.33	ND	21.11	42.9	45.4	0	2.5	45.22
IPR-23	1/8/2009	66.67	ND	21.30	ND	45.4	0	0	45.37
IPR-24	1/6/2009	65.88	ND	20.77	44.3	44.4	0	0.01	45.11
IPR-25	1/6/2009	70.56	ND	24.86	42.9	44.5	0	1.62	45.70
OSMW-01	1/8/2009	71.12	ND	24.92	ND	42.2	0	0	46.20
OSMW-02	1/8/2009	71.59	ND	25.62	ND	45.2	0	0	45.97
OSMW-03	1/8/2009	71.39	ND	25.50	ND	44.7	0	0	45.89

Notes:

- (1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
- Sh sheen (assumed thickness of 0.01 ft)
- NM not measured
- LNAPL light non-aqueous phase liquid
- DNAPL dense non-aqueous phase liquid
- TOR top of riser
- amsl above mean sea level
- ND NAPL not detected
- NM Not Measured

**Table 3
NAPL Recovery
Fourth Quarter of 2009
Hempstead Intersection Street Former MGP Site**

Well ID	December 6, 2009			November 16, 2009			November 1, 2009			October 19, 2009			October 1, 2009		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-001I	0	0.60	0.10	0	0	0	0	0	0	0	0	0	0	0.50	0.08
HIMW-006S	0	4.55	0.74	0	0	0	0	4.00	0.65	0	3.00	0.49	0	1.70	0.28
HIMW-006I	0	0	0	0	0	0	0	0	0	0	0	0	0	trace	0.00
HIMW-007S	0	1.55	0.25	0	0	0	0	1.20	0.20	0	1.80	0.29	0	trace	0.00
HIMW-007I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-016S	0	3.90	0.64	0	4.45	0.73	0	4.40	0.72	0	3.00	0.49	0	4.40	0.72
HIMW-016I	0	5.40	0.88	0	3.20	0.52	0	5.80	0.95	0	3.50	0.57	0	4.50	0.73
HIMW-017S	0	2.65	0.43	0	2.30	0.38	0	0	0	0	0.90	0.15	0	1.00	0.16
HIMW-018S	0	0	0	0	0.00	0.00	0	0	0	0	0.20	0.03	0	0.10	0.02
HIMW-018I	0	0	0	0	0	0	0	0	0	0	0.10	0.02	0	0	0
HIMW-019S	0	0	0	0	0	0	0	0	0	0	trace	0.00	0	0	0
HIMW-019I	0	0	0	0	0	0	0	0	0	0	trace	0.00	0	0	0
PZ-08	0	1.40	0.23	0	0	0	0	1.00	0.16	0	1.30	0.21	0	1.00	0.16
IPR-02	0	0.40	0.59	0	0	0	0	0.55	0.81	0	0.70	1.03	0	0.85	1.25
IPR-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-06	0	1.60	2.35	0	0	0	0	1.15	1.69	0	0.80	1.18	0	0.50	0.73
IPR-09	0	0	0	0	0	0	0	0	0	0	trace	0.00	0	0	0
IPR-12A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.40	0.02
IPR-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-15	0	0	0	0	trace	0.00	0	0	0	0	trace	0.00	0	0	0
IPR-16	0	0	0	0	0.40	0.54	0	0	0	0	trace	0.00	0	0	0
IPR-17	0	0	0	0	trace	0.00	0	0	0	0	trace	0.00	0	0	0
IPR-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-19D	0	0	0	0	trace	0.00	0	0	0	0	0	0	0	0	0
IPR-20	0	0	0	0	0.15	0.22	0	0	0	0	trace	0.00	0	0	0
IPR-21	0	1.30	1.91	0	0.70	1.03	0	0.45	0.66	0	0.70	1.03	0	0	0
IPR-22	0	2.10	3.08	0	3.64	5.35	0	0	0	0	0	0	0	0.50	0.73
IPR-24	0	0	0	0	0	0	0	0	0	0	trace	0.00	0	0	0
IPR-25	0	1.10	1.62	0	0	0	0	1.10	1.62	0	1.10	1.62	0	0.50	0.73
IPR-26	0	0	0	0	0	0	0	0	0	0	trace	0.00	0	0	0
IPR-27	0	0	0	0	0	0	0	0	0	0	0.20	0.29	0	0	0
IPR-29	0	0	0	0	1.90	2.79	0	0	0	0	trace	0.00	0	1.05	1.54
	Volume Removed		12.82	Volume Removed		11.55	Volume Removed		7.45	Volume Removed		7.39	Volume Removed		7.16

Total volume recovered during the fourth quarter 2008: 46.38 gal

Total volume of NAPL recovered since April 2007: 419.0 gal

Notes:

- NI - well not included in the product recovery program during this round
- NA - No Access
- LNAPL - light non-aqueous phase liquid
- DNAPL - dense non-aqueous phase liquid
- (1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.
- All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / ft of well screen.
- All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / ft of well screen.
- Monitoring wells IPR-16 and IPR-17 are 5.75-inch diameter: Vol = 1.349 gal / ft of well screen.
- Monitoring well IPR-05 and IPR-12A are 1-inch diameter: Vol = 0.041 gal / ft of well screen.

**Table 3
NAPL Recovery
Third Quarter of 2009
Hempstead Intersection Street Former MGP Site**

Well ID	September 17, 2009			September 4, 2009			August 21, 2009			August 5, 2009			July 23, 2009			July 10, 2009		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	0	0	0	trace	0	0	1.00	0.16	0	trace	0	0	0	0
HIMW-001I	0	1.20	0.20	0	0.30	0.05	0	trace	0	0	0	0	0	0.70	0.11	0	0.80	0.13
HIMW-006S	0	3.30	0.54	0	7.00	1.14	0	2.50	0.41	0	2.50	0.41	0	2.40	0.39	0	3.10	0.51
HIMW-006I	0	0.75	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007S	0	1.72	0.28	0	0.80	0.13	0	1.40	0.23	0	1.30	0.21	0	0.50	0.08	0	1.35	0.22
HIMW-007I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-016S	0	2.60	0.42	0	4.00	0.65	0	3.70	0.60	0	0	0	0	3.40	0.55	0	4.65	0.76
HIMW-016I	0	3.95	0.64	0	3.00	0.49	0	4.50	0.73	0	0	0	0	4.70	0.77	0	6.20	1.01
HIMW-017S	0	trace	0	0	0.70	0.11	0	1.90	0.31	0	0.40	0.07	0	0.80	0.13	0	1.95	0.32
HIMW-018S	0	1.35	0.22	0	0	0	0	1.00	0.16	0	0	0	0	trace	0	0	0	0
HIMW-018I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PZ-08	0	1.05	0.17	0	1.20	0.20	0	1.20	0.20	0	0.80	0.13	0	1.40	0.23	0	1.20	0.20
IPR-02	0	0	0	0	0.50	0.73	0	0.90	1.32	0	trace	0	0	0.40	0.59	0	0	0
IPR-05	0	0	0	0	0	0	0	trace	0	0	0	0	0	0	0	0	0	0
IPR-06	0	1.30	1.91	0	1.30	1.91	0	2.30	3.38	0	0.90	1.32	0	1.00	1.47	0	0	0
IPR-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-12A	0	0	0	0	0	0	0	trace	0	0	0	0	0	trace	0	0	0	0
IPR-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-15	0	0	0	0	0	0	0	trace	0	0	0	0	0	0	0	0	0	0
IPR-16	0	1.00	1.35	0	0	0	0	1.00	1.35	0	0	0	0	trace	0	0	0	0
IPR-17	0	0	0	0	0	0	0	trace	0	0	0	0	0	trace	0	0	0	0
IPR-18	0	0	0	0	0	0	0	0.20	0.29	0	0	0	0	0	0	0	0	0
IPR-19D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPR-20	0	0	0	0	0	0	0	0	0	0	trace	0	0	0.30	0.44	0	0	0
IPR-21	0	1.25	1.84	0	0.90	1.32	0	1.00	1.47	0	0	0	0	0.40	0.59	0	1.15	1.69
IPR-22	0	2.65	3.89	0	1.20	1.76	0	1.20	1.76	0	1.00	1.47	0	0.40	0.59	0	0	0
IPR-24	0	0	0	0	0	0	0	trace	0	0	0	0	0	0	0	0	0	0
IPR-25	0	0	0	0	0.90	1.32	0	0.40	0.59	0	0.80	1.18	0	0.50	0.73	0	0	0
	Volume Removed		11.59	Volume Removed		9.83	Volume Removed		12.81	Volume Removed		4.95	Volume Removed		6.68	Volume Removed		4.83

Total volume recovered during the third quarter 2008: 50.67 gal
Total volume of NAPL recovered since April 2007: 372.6 gal

Notes:

- NI - well not included in the product recovery program during this round
- NA - No Access
- LNAPL - light non-aqueous phase liquid
- DNAPL - dense non-aqueous phase liquid
- (1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.
- All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / ft of well screen.
- All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / ft of well screen.
- Monitoring wells IPR-16 and IPR-17 are 5.75-inch diameter: Vol = 1.349 gal / ft of well screen.
- Monitoring well IPR-05 and IPR-12A are 1-inch diameter: Vol = 0.041 gal / ft of well screen.

**Table 3
NAPL Recovery
Second Quarter of 2009
Hempstead Intersection Street Former MGP Site**

Well ID	June 22, 2009			June 11, 2009			May 27, 2009			May 14, 2009			May 4, 2009			April 17, 2009			April 2, 2009			
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	
HIMW-001S	0	0.10	0.02	NI	NI	0	0	0.10	0.02	NI	NI	0	0	0.10	0.02	NI	NI	0	0	0	0	0
HIMW-001I	0	0.80	0.13	0	0.85	0.14	0	0.60	0.10	0	0.50	0.08	0	1.40	0.23	0	2.50	0.41	0	0.20	0.03	
HIMW-006S	0	2.30	0.38	0	3.80	0.62	0	1.20	0.20	0	2.60	0.42	0	3.45	0.56	0	2.00	0.33	0	4.70	0.77	
HIMW-006I	0	trace	0	0	0	0	0	trace	0	NI	NI	0	0	trace	0.00	NI	NI	0	0	0.90	0.15	
HIMW-007S	0	0.60	0.10	0	0.30	0.05	0	0.40	0.07	0	1.20	0.20	0	0.85	0.14	0	3.00	0.49	0	0.90	0.15	
HIMW-007I	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	
HIMW-007D	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	trace	0	NI	NI	0	0	0	0	
HIMW-011S	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	
HIMW-011I	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	
HIMW-016S	0	3.90	0.64	0	4.00	0.65	0	NI	0	0	3.00	0.49	0	5.10	0.83	0	3.50	0.57	0	3.80	0.62	
HIMW-016I	0	4.10	0.67	0	4.30	0.70	NI	NI	0	0	7.30	1.19	0	3.50	0.57	0	1.00	0.16	0	5.10	0.83	
HIMW-017S	0	1.10	0.18	0	1.55	0.25	0	1.30	0.21	0	0.30	0.05	0	2.10	0.34	0	3.00	0.49	0	1.95	0.32	
HIMW-018S	0	trace	0	NI	NI	0	0	trace	0.00	NI	NI	0	0	0.60	0.10	NI	NI	0	0	0.20	0.03	
HIMW-018I	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	
HIMW-019S	0	0	0	NI	NI	0	0	0.10	0.02	NI	NI	0	0	trace	0	NI	NI	0	0	0.30	0.05	
HIMW-019I	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0	
PZ-08	0	1.50	0.24	0	0.95	0.16	0	1.80	0.29	0	1.80	0.29	0	1.60	0.26	0	3.00	0.49	0	0.90	0.15	
IPR-02	0	0.5	0.73	0	trace	0	0	0.60	0.88	0	0.40	0.59	0	0.35	0.51	NI	NI	0	0	trace	0.0	
IPR-05	0	0	0	NI	NI	0	0	0.80	0.03	NI	NI	0	0	0.10	0.00	NI	NI	0	0	trace	0.0	
IPR-06	0	0.70	1.03	0	0.60	0.88	0	0.50	0.73	0	1.30	1.91	0	0.60	0.88	NI	NI	0	0	0.10	0.15	
IPR-09	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	trace	0	NI	NI	0	NI	NI	0	
IPR-12A	0	trace	0	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0	
IPR-14	0	0	0	NI	NI	0	0	trace	0	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0	
IPR-15	0	trace	0	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0	
IPR-16	0	trace	0	0	trace	0	0	trace	0	0	0.10	0.13	0	0.80	1.08	0	0	0	0	0.70	0.94	
IPR-17	0	trace	0	0	trace	0	0	0	0	0	0.10	0.13	0	0.20	0.27	0	NI	0	0	0.10	0.13	
IPR-19D	0	0	0	NI	NI	0	0	trace	0	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0	
IPR-20	0	0	0	NI	NI	0	0	trace	0	NI	NI	0	NI	NI	0	NI	NI	0	0	0	0	
IPR-21	0	0.5	0.73	0	0.90	1.32	0	0.60	0.88	0	1.20	1.76	0	1.20	1.76	0	3.00	4.41	0	1.00	1.47	
IPR-22	0	0.75	1.10	0	1.30	1.91	0	0.70	1.03	0	1.50	2.20	0	2.00	2.94	0	3.00	4.41	0	1.80	2.64	
IPR-24	0	0.2	0.29	NI	NI	0	0	0.20	0.29	0	0.60	0.88	0	0.50	0.73	NI	NI	0	0	0.45	0.66	
IPR-25	0	0.50	0.73	0	0.80	1.18	0	0.60	0.88	0	0.90	1.32	0	0.70	1.03	NI	NI	0	0	0.20	0.29	
	Volume Removed	6.98	Volume Removed	7.86	Volume Removed	5.63	Volume Removed	11.66	Volume Removed	12.26	Volume Removed	11.75	Volume Removed	9.39								

Total volume recovered during the second quarter 2008: 65.53 gal
Total volume of NAPL recovered since April 2007: 321.9 gal

Notes:

- NI - well not included in the product recovery program during this round
- NA - No Access
- LNAPL - light non-aqueous phase liquid
- DNAPL - dense non-aqueous phase liquid
- (1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.
 - All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / ft of well screen.
 - All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / ft of well screen.
 - Monitoring wells IPR-16 and IPR-17 are 5.75-inch diameter: Vol = 1.349 gal / ft of well screen.
 - Monitoring well IPR-05 and IPR-12A are 1-inch diameter: Vol = 0.041 gal / ft of well screen.

**Table 3
NAPL Recovery
First Quarter of 2009
Hempstead Intersection Street Former MGP Site**

Well ID	March 23, 2009			March 3, 2009			February 19, 2009			February 2, 2009			January 21, 2009			January 6, 2009																				
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)																		
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]																		
HIMW-001S	0	0.20	0.03	0	0.20	0.03	NI	NI	0	0	0.01	0.00	NI	NI	0	0	trace	0.00																		
HIMW-001I	NI	NI	0	0	1.40	0.23	0	0.07	0.01	0	0.90	0.15	0	0.60	0.10	0	0.95	0.16																		
HIMW-006S	0	0.50	0.08	0	3.50	0.57	0	1.10	0.18	0	0.40	0.07	0	3.75	0.61	0	3.35	0.55																		
HIMW-006I	NI	NI	0	0	1.30	0.21	NI	NI	0	0	0.80	0.13	NI	NI	0	0	trace	0.00																		
HIMW-007S	0	1.50	0.24	0	0.70	0.11	0	0.50	0.08	0	0.10	0.02	0	1.40	0.23	0	0.90	0.15																		
HIMW-007I	NI	NI	0	0	0	0	NI	NI	0	NA	NA	0	NI	NI	0	0	0	0																		
HIMW-007D	NI	NI	0	0	0	0	NI	NI	0	NA	NA	0	NI	NI	0	0	0	0																		
HIMW-011S	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0																		
HIMW-011I	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0																		
HIMW-016S	0	4.50	0.73	0	0	0	0	5.50	0.90	0	5.60	0.91	0	5.00	0.82	0	5.50	0.90																		
HIMW-016I	0	5.00	0.82	0	0	0	0	6.30	1.03	0	5.60	0.91	0	4.50	0.73	0	4.45	0.73																		
HIMW-017S	0	2.50	0.41	0	0.90	0.15	0	0.90	0.15	0	1.30	0.21	0	0.90	0.15	0	0.00	0.00																		
HIMW-018S	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	trace	0.00																		
HIMW-018I	NI	NI	0	0	0.50	0.08	NI	NI	0	NA	NA	0	NI	NI	0	0	0	0																		
HIMW-019S	NI	NI	0	0	0.40	0.07	NI	NI	0	0	0	0	NI	NI	0	0	trace	0.00																		
HIMW-019I	NI	NI	0	0	0	0	NI	NI	0	0	0.04	0.01	NI	NI	0	0	0	0																		
PZ-08	0	1.00	0.16	0	1.60	0.26	0	1.40	0.23	0	1.50	0.24	NI	NI	0	0	4.53	0.74																		
IPR-02	NI	NI	0	0	0	0	NI	NI	0	0	0.50	0.73	NI	NI	0	0	0	0																		
IPR-06	0	0.50	0.73	0	1.80	2.64	0	0.06	0.09	0	0	0.00	0	0.5	0.73	0	0.25	0.37																		
IPR-12A	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0.20	0.01																		
IPR-15	NI	NI	0	0	0	0	NI	NI	0	0	0.01	0.01	NI	NI	0	0	trace	0.00																		
IPR-16	NI	NI	0	0	0	0	NI	NI	0	0	2.10	2.83	NI	NI	0	0	0	0																		
IPR-17	NI	NI	0	0	0.20	0.27	NI	NI	0	0	0.10	0.13	NI	NI	0	0	trace	0.00																		
IPR-20	NI	NI	0	0	0	0	NI	NI	0	NA	NA	0	NI	NI	0	0	0.30	0.44																		
IPR-21	NI	NI	0	0	0.70	1.03	NI	NI	0	0	0	0	NI	NI	0	0	1.00	1.47																		
IPR-22	NI	NI	0	0	0.60	0.88	0	0.90	1.32	0	3.80	5.58	NI	NI	0	0	2.50	3.67																		
IPR-24	NI	NI	0	0	0	0	NI	NI	0	0	0.70	1.03	NI	NI	0	0	trace	0.00																		
IPR-25	0	1.00	1.47	0	0.80	1.18	0	0.50	0.73	0	1.00	1.47	NI	NI	0	0	1.62	2.38																		
	Volume Removed			4.68			Volume Removed			7.71			Volume Removed			4.72			Volume Removed			14.45			Volume Removed			3.37			Volume Removed			11.55		

Total volume recovered during the first quarter 2008: 46.48 gal
Total volume of NAPL recovered since April 2007: 256.4 gal

Notes:

- NI - well not included in the product recovery program during this round
- NA - No Access
- LNAPL - light non-aqueous phase liquid
- DNAPL - dense non-aqueous phase liquid
- (1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.
- All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.
- All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / lft of well screen.
- Monitoring wells IPR-16 and IPR-17 are 5.75-inch diameter: Vol = 1.349 gal / lft of well screen.
- Monitoring well IPR-12A is 1-inch diameter: Vol = 0.041 gal / lft of well screen.

Table 4
Dissolved-Phase Concentrations of Total BTEX and Total PAH Compounds
Data Collected in 2009
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter 2009 October 6 - 13, 2009		Third Quarter 2009 July 29 - August 4, 2009		Second Quarter 2009 April 23 - May 1, 2009		First Quarter 2009 January 9 - 20, 2009	
	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]
HIMW-001D								
HIMW-001I								
HIMW-001S								
HIMW-002D								
HIMW-002I								
HIMW-002S								
HIMW-003D	ND	ND			8.2	ND	ND	ND
HIMW-003I	ND	ND			1.2	ND	13	ND
HIMW-003S	ND	ND			ND	ND	ND	ND
HIMW-004D								
HIMW-004I								
HIMW-004S								
HIMW-005D	272	1589	185.1	503	72.5	ND	48	53
HIMW-005I	155	2834	163.7	1,746	243.1	2,357	189	2,374
HIMW-005S	ND	2	ND	ND	ND	ND	ND	ND
HIMW-006D								
HIMW-006I								
HIMW-006S								
HIMW-007D								
HIMW-007I								
HIMW-007S								
HIMW-008D	1	ND	ND	ND	ND	46	ND	ND
HIMW-008I	ND	ND	ND	ND	8.6	ND	ND	ND
HIMW-008S	ND	ND	ND	ND	ND	ND	7	ND
HIMW-009D								
HIMW-009I								
HIMW-009S								
HIMW-010D								
HIMW-010I								
HIMW-010S								
HIMW-011D								
HIMW-011I								
HIMW-011S								
HIMW-012D	1	ND	ND	ND	ND	ND	1	ND
HIMW-012I	44	122	39.5	122	29.2	65	53	100
HIMW-012S	ND	ND	ND	ND	ND	ND	11	ND
HIMW-013D	8	17	6.4	15	2.8	7	7	9
HIMW-013I	82	88	72.5	59	32.6	60	45	80
HIMW-013S	ND	ND			ND	ND	ND	ND
HIMW-014D	2	ND			ND	ND	ND	ND
HIMW-014I	46	37	56.6	33	72.6	41	101	45
HIMW-015D	ND	ND	ND	ND	ND	ND	70	ND
HIMW-015I	15	23	14	15	18	11	31	18
HIMW-016I								
HIMW-016S								
HIMW-017S								
HIMW-018I								
HIMW-018S								
HIMW-019I								
HIMW-019S								
HIMW-020I	206	189	215.6	96			224	167
HIMW-020S	ND	ND	ND	ND			ND	ND
PZ-02								
PZ-03								
PZ-08								

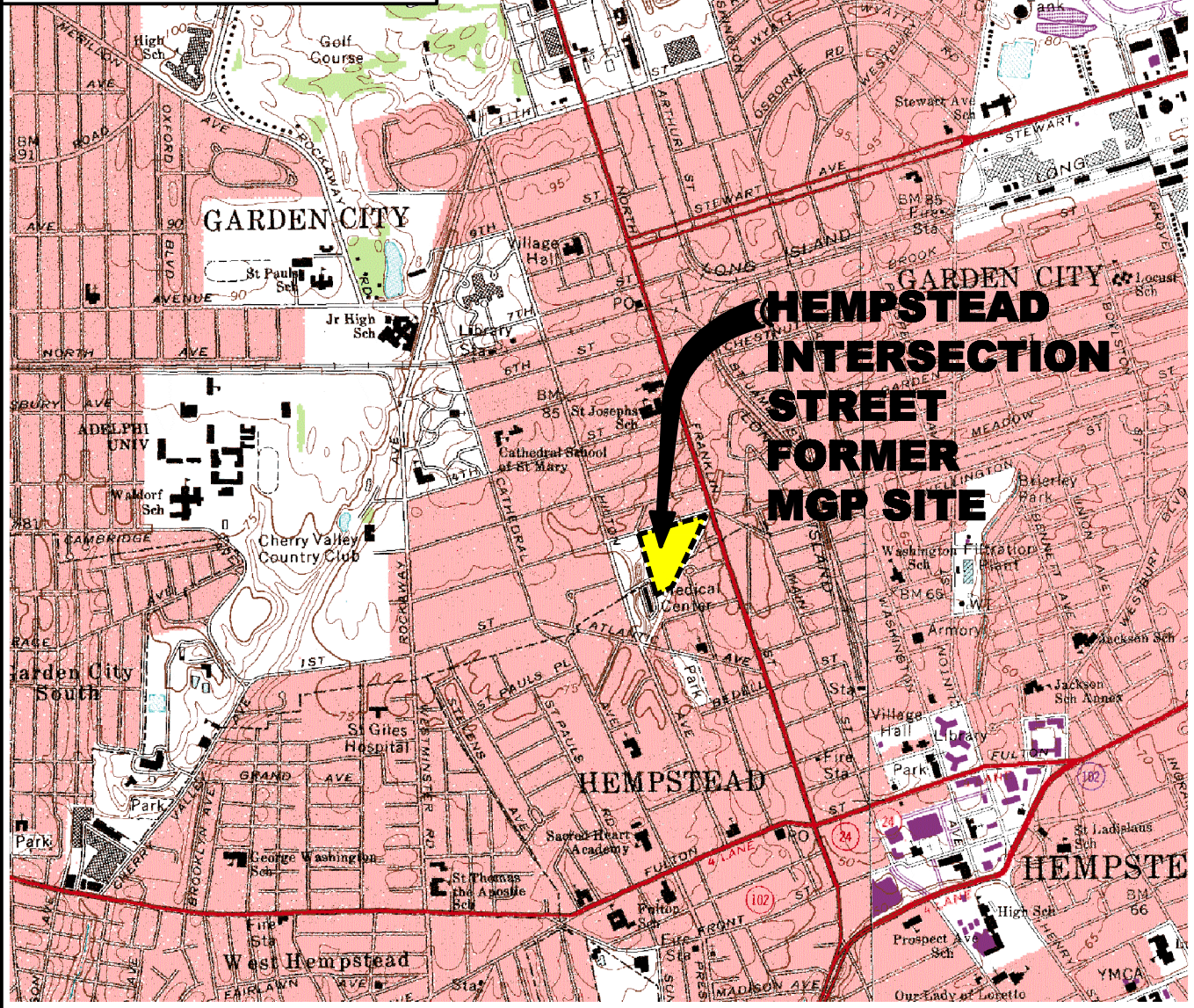
Notes:

A blank field is "Not Sampled".
 NAPL is periodically identified in this well.
 ND Not Detected.
 ug/L micrograms per liter

FIGURES

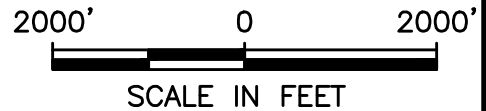


KEY MAP
NEW YORK STATE



NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

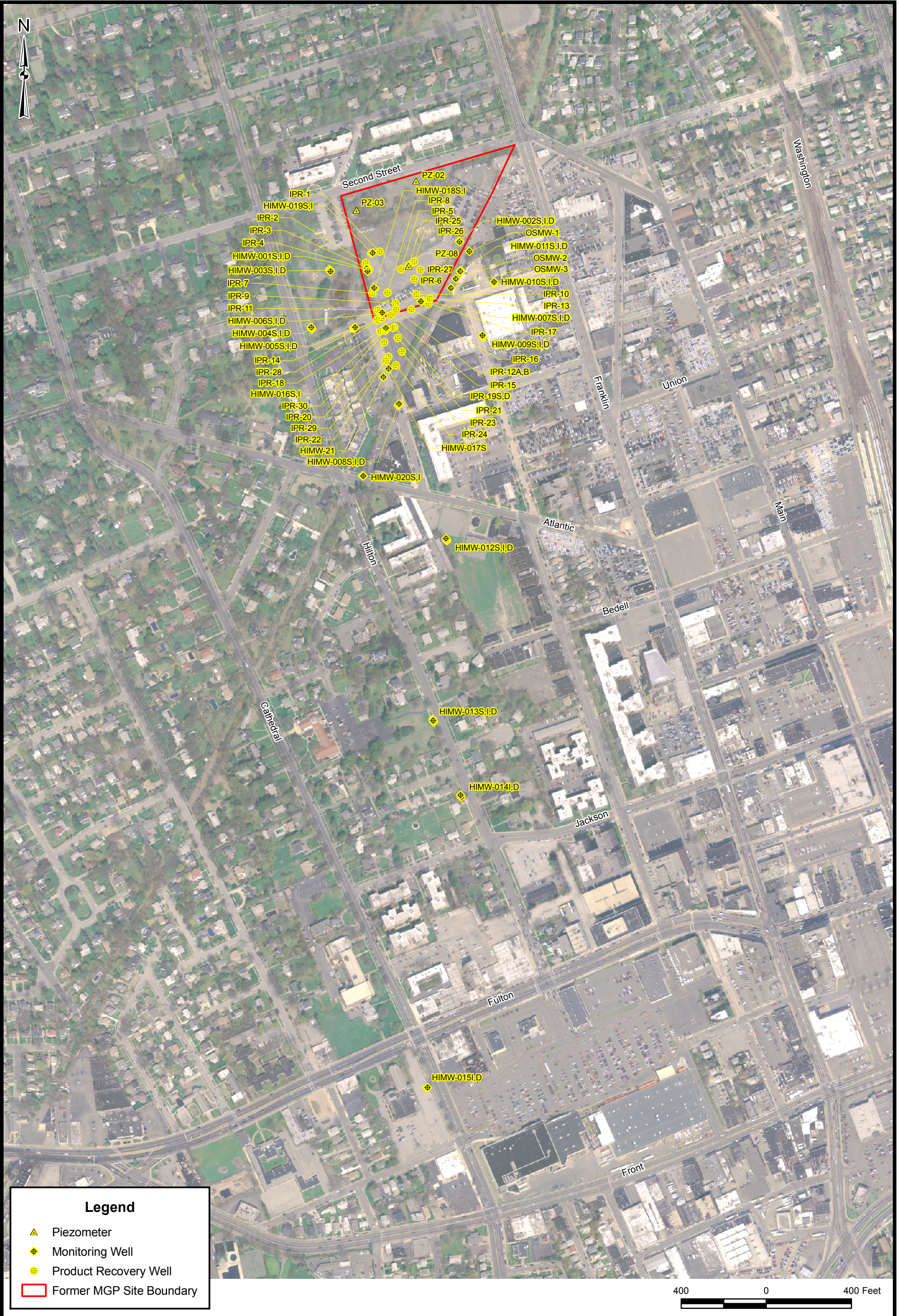
SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHICAL QUADRANGLES:
FREEPORT, NY (1969)
LYNDBROOK, NY (1969)







URS Corporation

LOCATION MAP

FIGURE 1



Legend

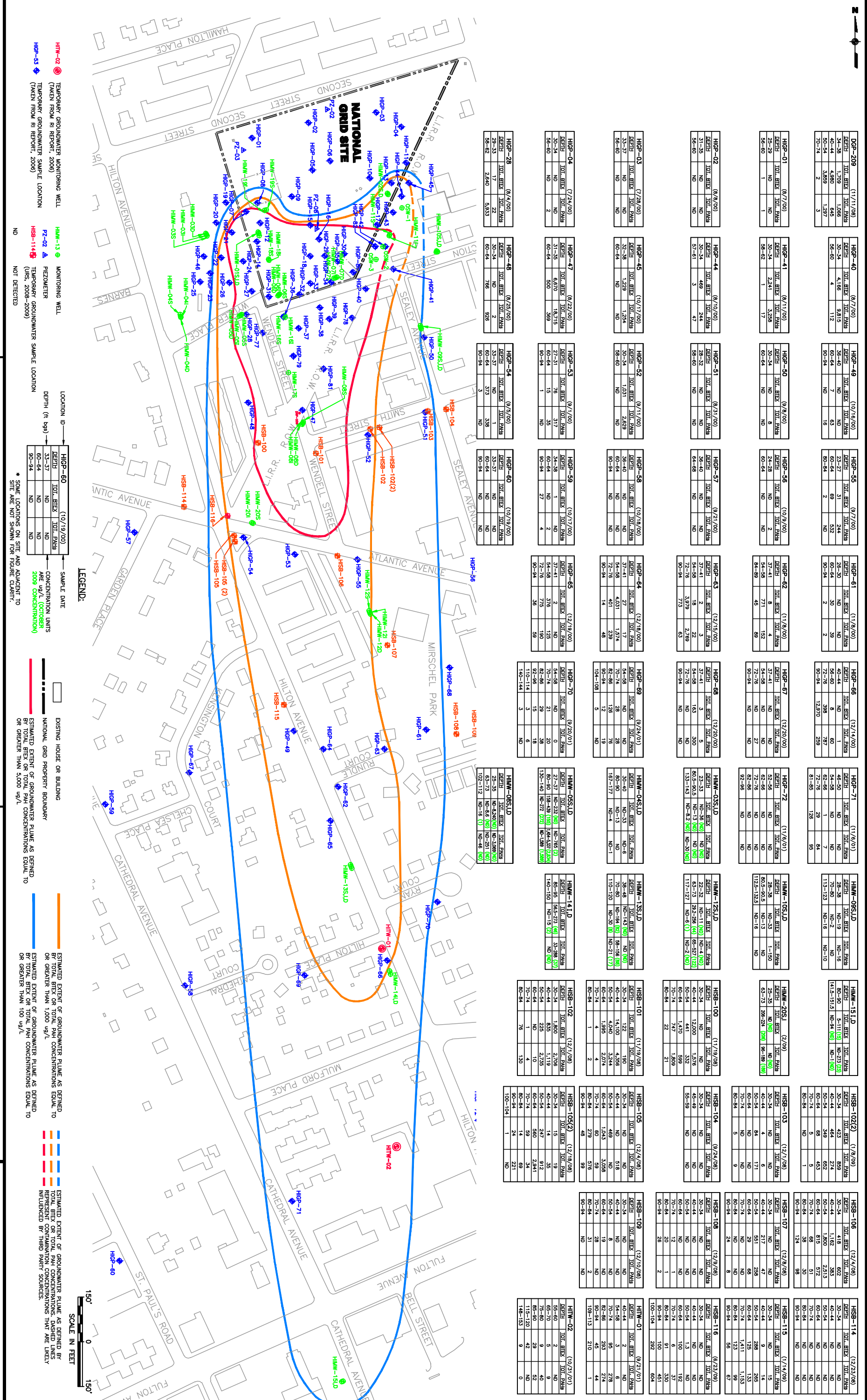
-  Piezometer
-  Monitoring Well
-  Product Recovery Well
-  Former MGP Site Boundary

400 0 400 Feet



HEMPSTEAD/GARDEN CITY, NY
SITE MAP

FIGURE 2

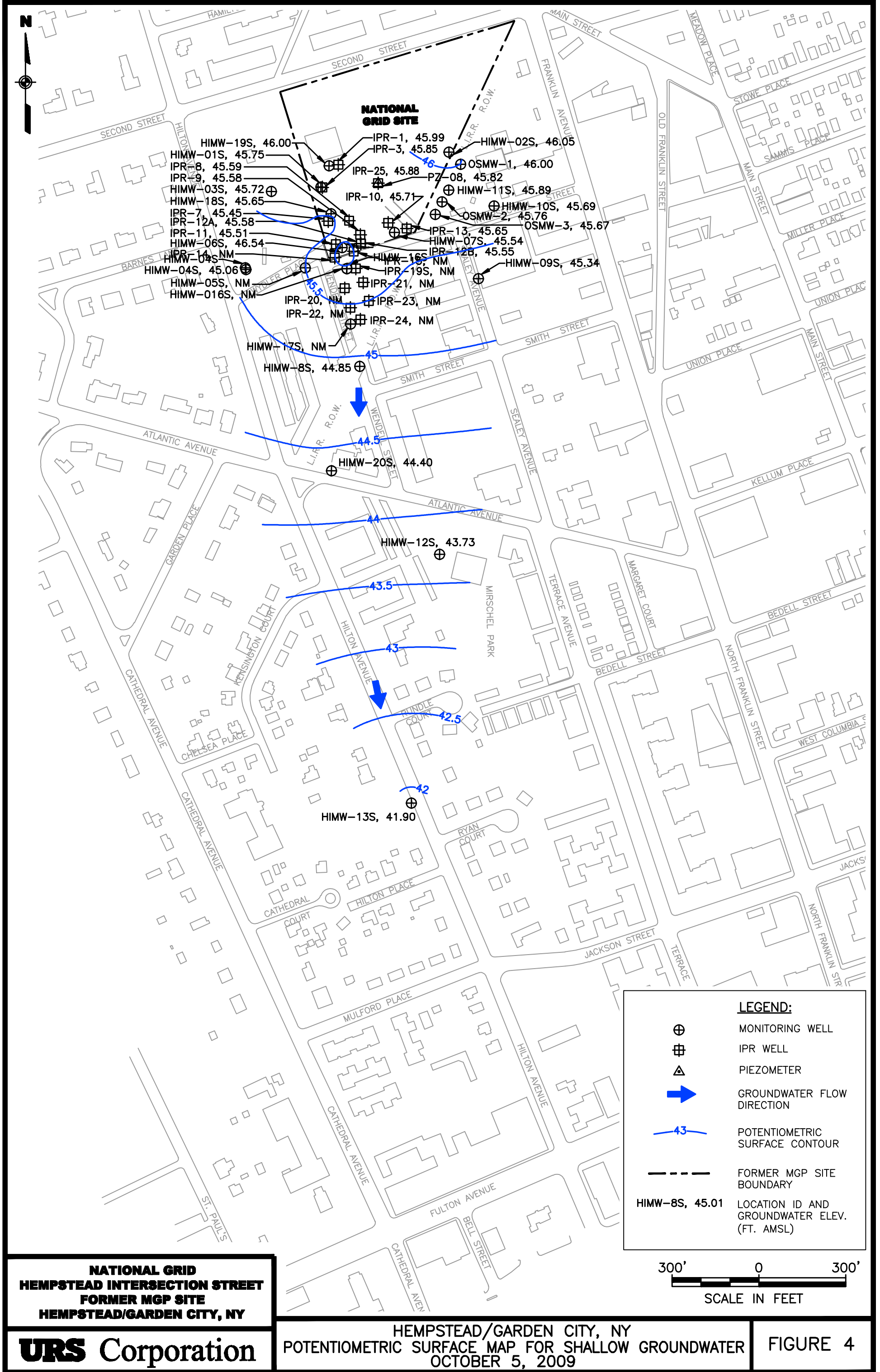


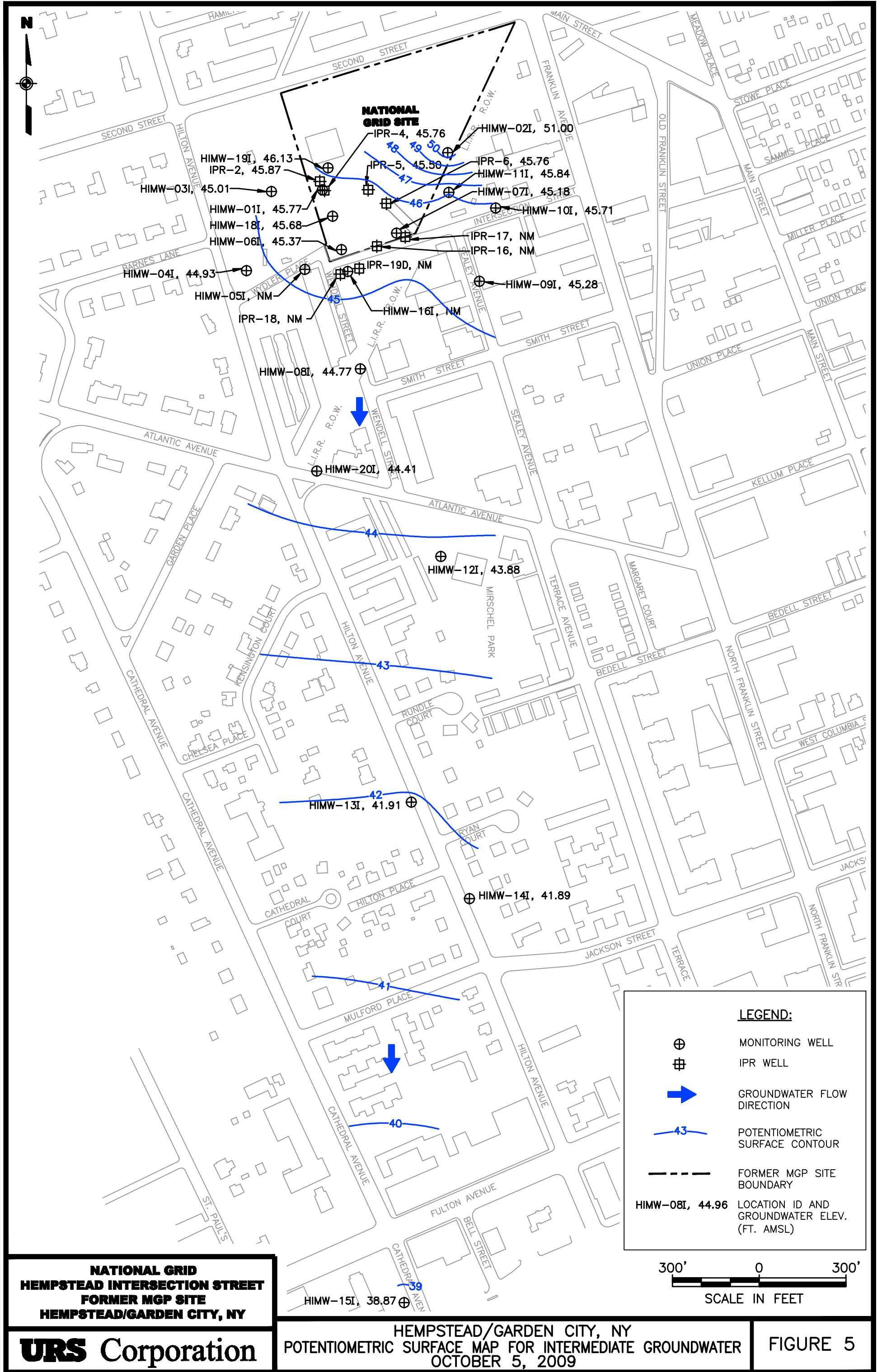
URS Corporation

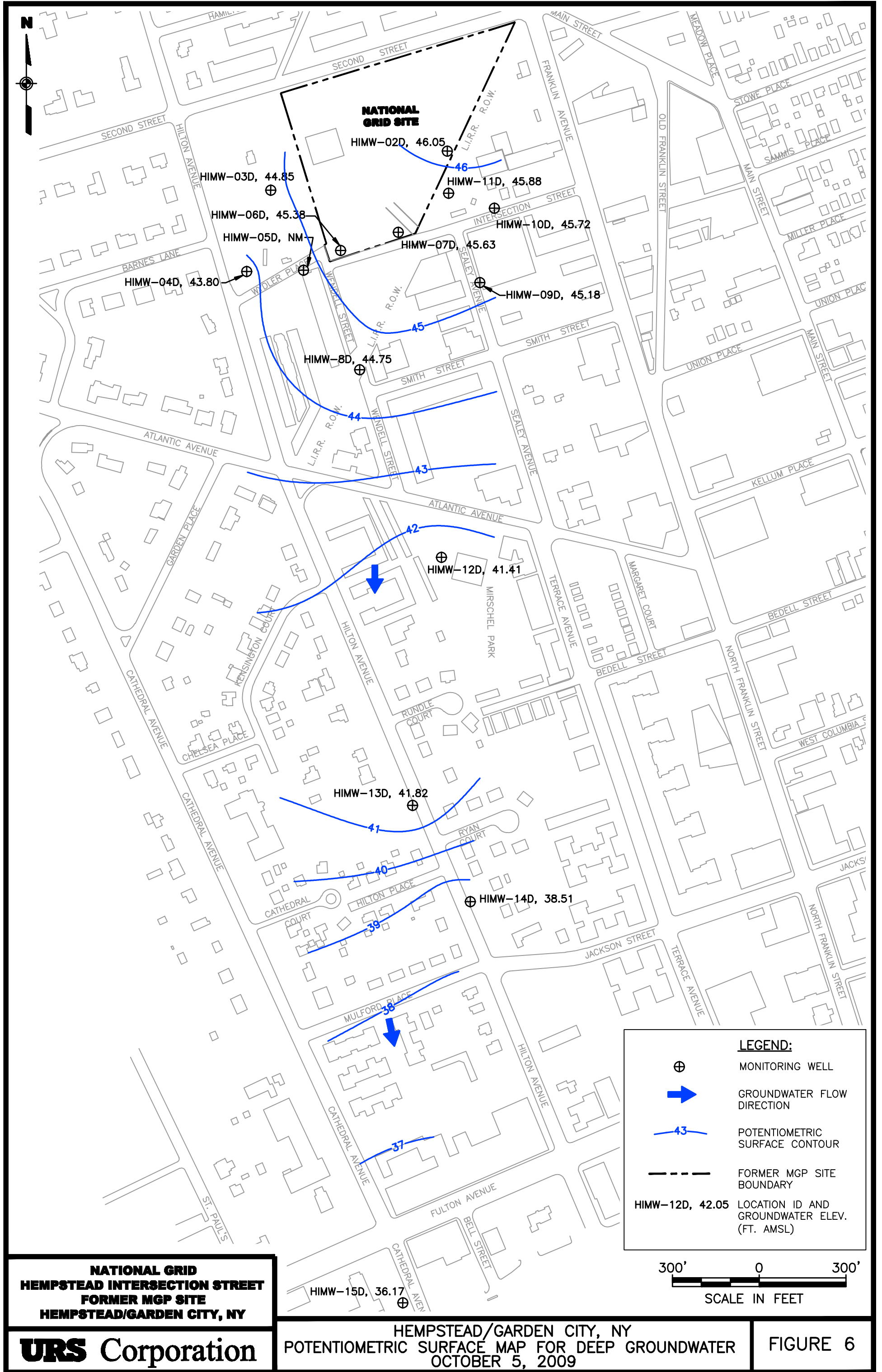
**NATIONAL GRID
 HEMPSTEAD INTERSECTION STREET
 FORMER HGP SITE
 HEMPSTEAD/GARDEN CITY, NY**

**EXTENT OF DISSOLVED-PHASE
 PLUME AND GROUNDWATER
 ANALYTICAL RESULTS**

FIGURE 3





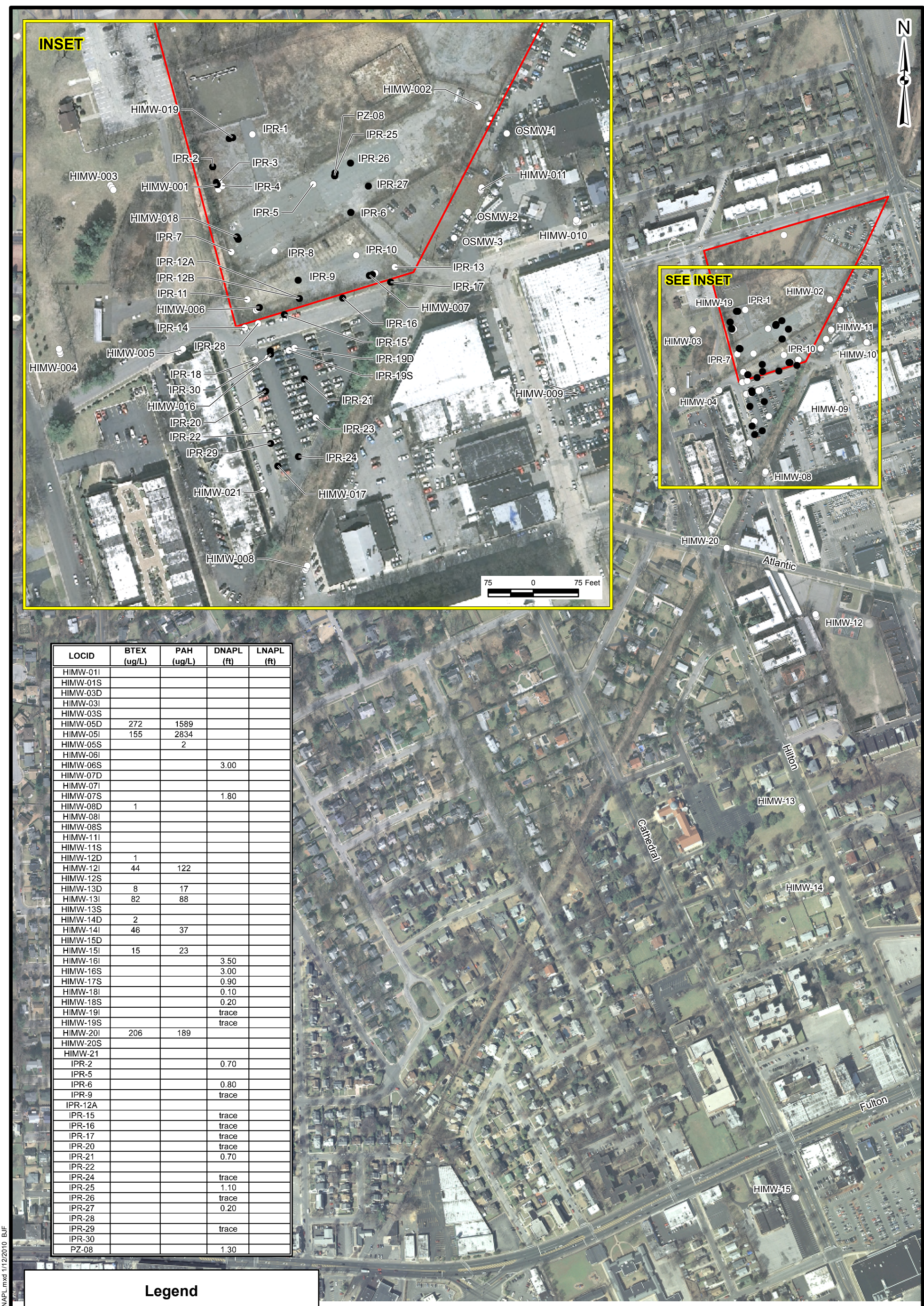


**NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY**

URS Corporation

**HEMPSTEAD/GARDEN CITY, NY
POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER
OCTOBER 5, 2009**

FIGURE 6



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I				
HIMW-01S				
HIMW-03D				
HIMW-03I				
HIMW-03S				
HIMW-05D	272	1589		
HIMW-05I	155	2834		
HIMW-05S		2		
HIMW-06I				
HIMW-06S			3.00	
HIMW-07D				
HIMW-07I				
HIMW-07S			1.80	
HIMW-08D	1			
HIMW-08I				
HIMW-08S				
HIMW-11I				
HIMW-11S				
HIMW-12D	1			
HIMW-12I	44	122		
HIMW-12S				
HIMW-13D	8	17		
HIMW-13I	82	88		
HIMW-13S				
HIMW-14D	2			
HIMW-14I	46	37		
HIMW-15D				
HIMW-15I	15	23		
HIMW-16I			3.50	
HIMW-16S			3.00	
HIMW-17S			0.90	
HIMW-18I			0.10	
HIMW-18S			0.20	
HIMW-19I			trace	
HIMW-19S			trace	
HIMW-20I	206	189		
HIMW-20S				
HIMW-21				
IPR-2			0.70	
IPR-5				
IPR-6			0.80	
IPR-9			trace	
IPR-12A				
IPR-15			trace	
IPR-16			trace	
IPR-17			trace	
IPR-20			trace	
IPR-21			0.70	
IPR-22				
IPR-24			trace	
IPR-25			1.10	
IPR-26			trace	
IPR-27			0.20	
IPR-28				
IPR-29			trace	
IPR-30				
PZ-08			1.30	

Legend

- Monitoring Well - Product Detected
- Monitoring Well - Product Not Detected
- Former MGP Site Boundary

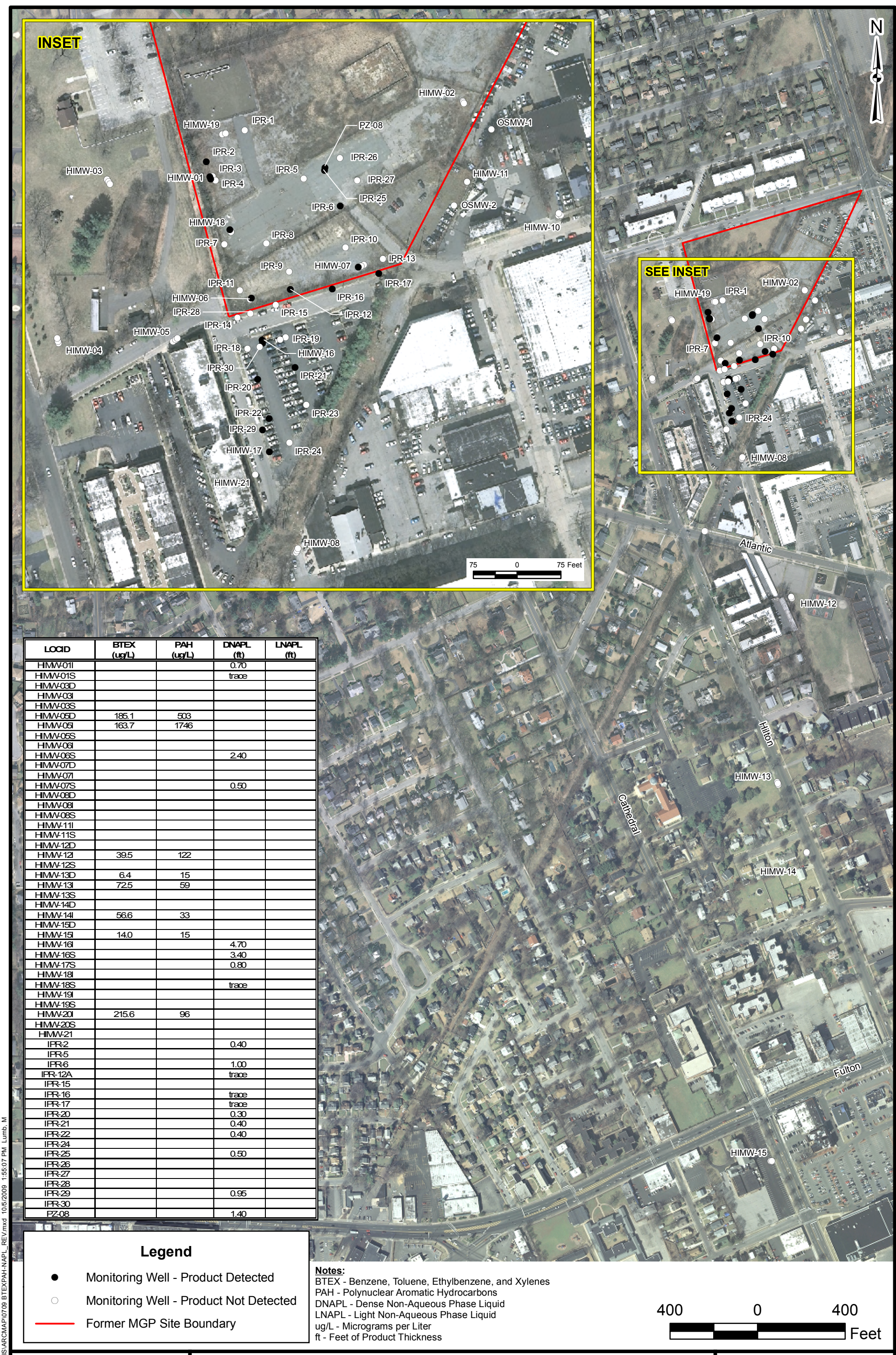
Notes:
 BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes
 PAH - Polynuclear Aromatic Hydrocarbons
 DNAPL - Dense Non-Aqueous Phase Liquid
 LNAPL - Light Non-Aqueous Phase Liquid
 ug/L - Micrograms per Liter
 ft - Feet of Product Thickness

J:\1175065.000\00\DBG\GIS\ARCMAPI\1009 BTEX\PAH-NAPL.mxd 1/12/2010 B.J.F.



HEMPSTEAD/GARDEN CITY, NY
 TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
 AND FREE PRODUCT THICKNESS
 FOURTH QUARTER 2009

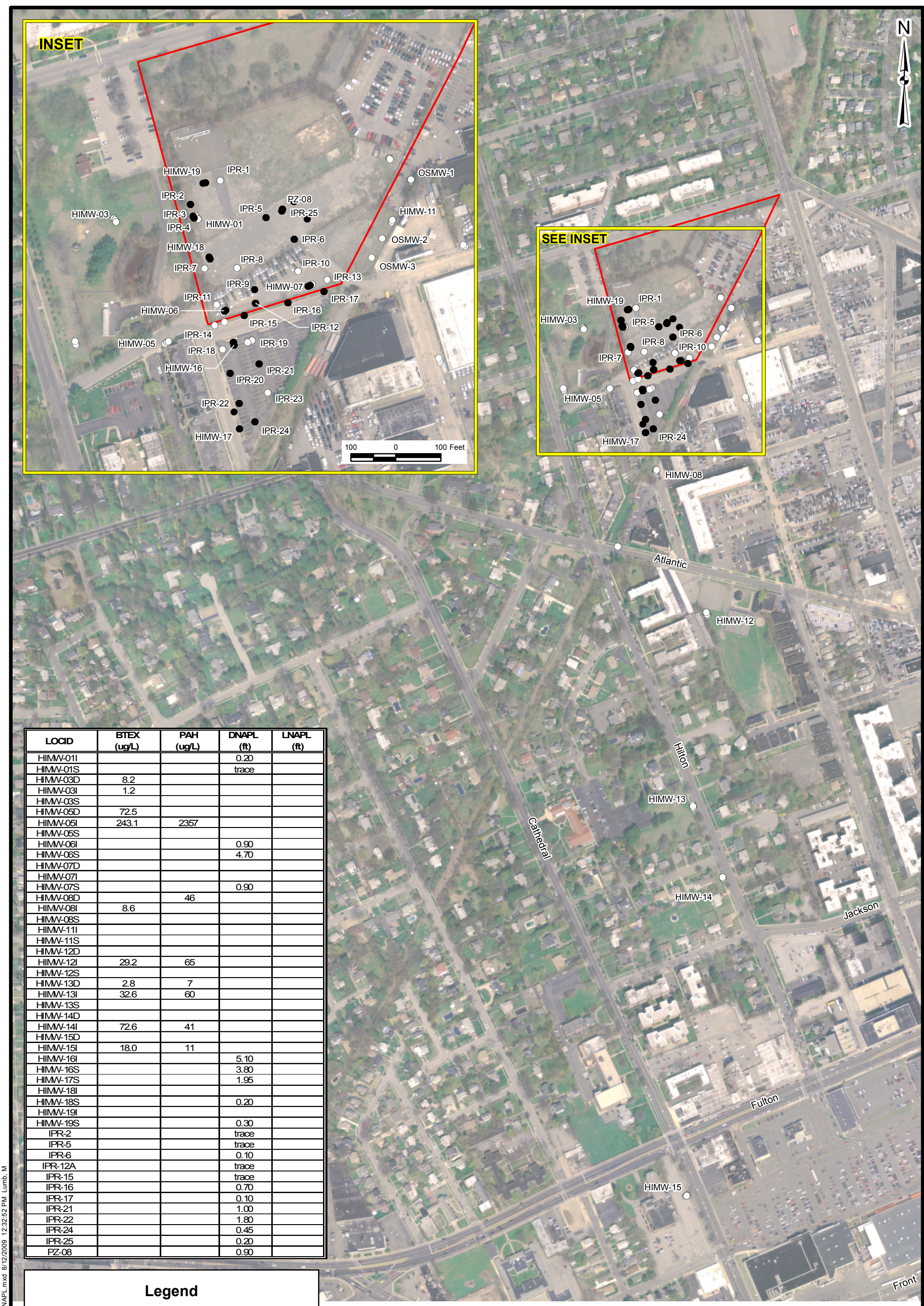
FIGURE 7



HEMPSTEAD/GARDEN CITY, NY
 TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
 AND FREE PRODUCT THICKNESS
 THIRD QUARTER 2009

FIGURE 8

J:\1175065.000\00\BGS\ARC\MAP\0709 BTEX\PAH-NAPL_REV.mxd 10/5/2009 1:55:07 PM Lumb, M.



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			0.20	
HIMW-01S			trace	
HIMW-03D	8.2			
HIMW-03I	1.2			
HIMW-03S				
HIMW-05D	72.5			
HIMW-05I	243.1	2357		
HIMW-05S				
HIMW-06I			0.90	
HIMW-06S			4.70	
HIMW-07D				
HIMW-07I				
HIMW-07S			0.90	
HIMW-08D		46		
HIMW-08I	8.6			
HIMW-08S				
HIMW-11I				
HIMW-11S				
HIMW-12D				
HIMW-12I	29.2	65		
HIMW-12S				
HIMW-13D	2.8	7		
HIMW-13I	32.6	60		
HIMW-13S				
HIMW-14D				
HIMW-14I	72.6	41		
HIMW-15D				
HIMW-15I	18.0	11		
HIMW-16I			5.10	
HIMW-16S			3.80	
HIMW-17S			1.95	
HIMW-18I				
HIMW-18S			0.20	
HIMW-19I				
HIMW-19S			0.30	
IPR-2			trace	
IPR-5			trace	
IPR-6			0.10	
IPR-12A			trace	
IPR-15			trace	
IPR-16			0.70	
IPR-17			0.10	
IPR-21			1.00	
IPR-22			1.80	
IPR-24			0.45	
IPR-25			0.20	
PZ-08			0.90	

Legend

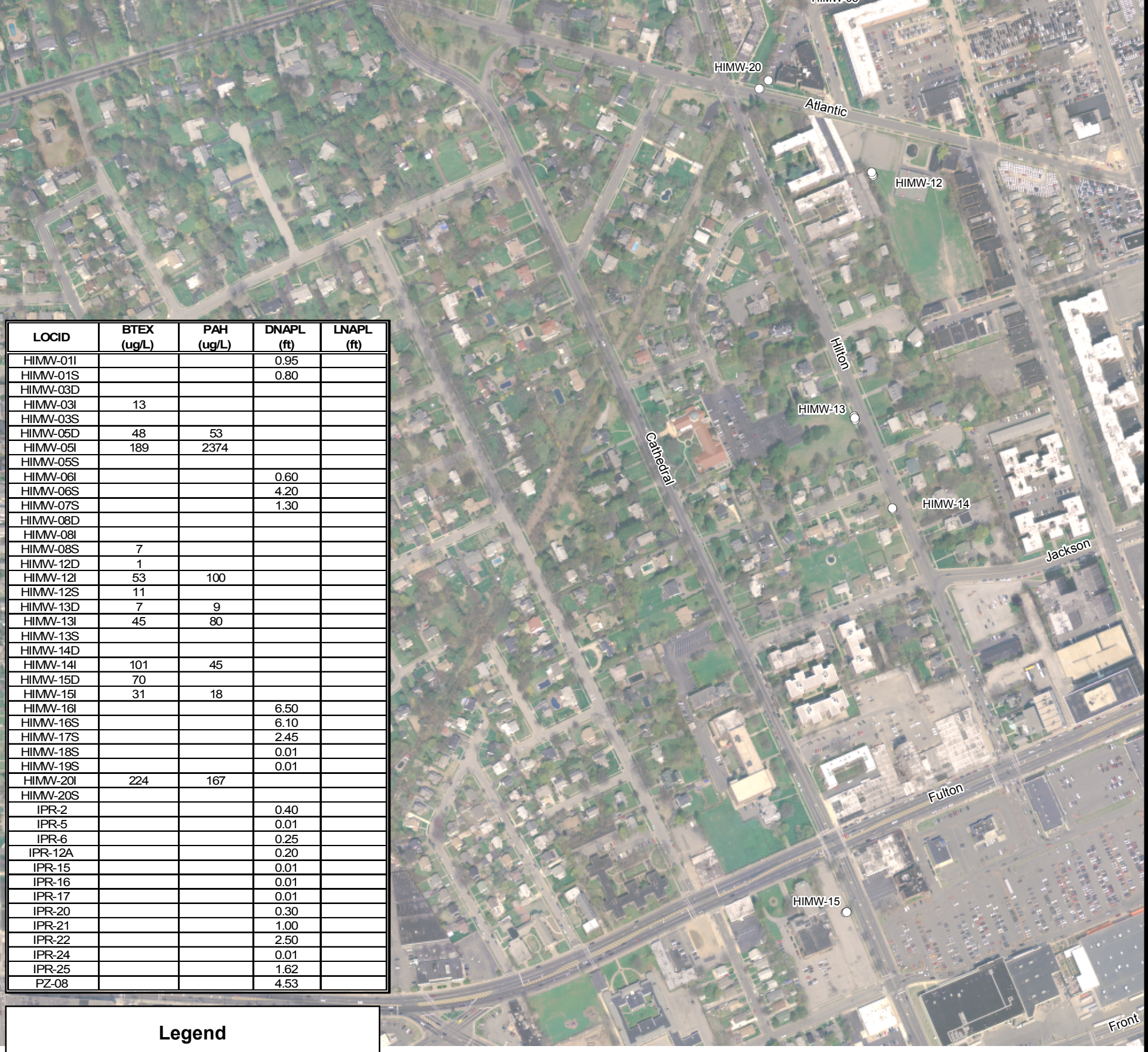
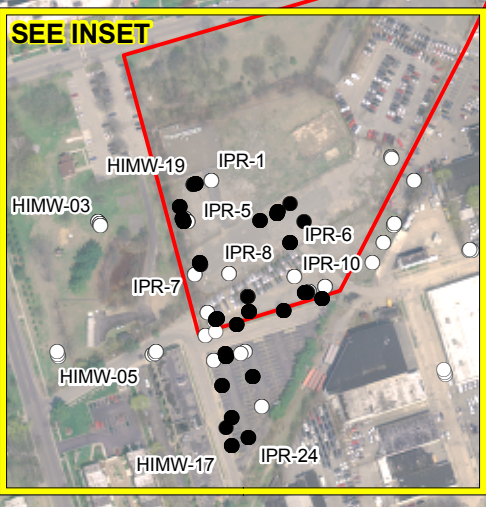
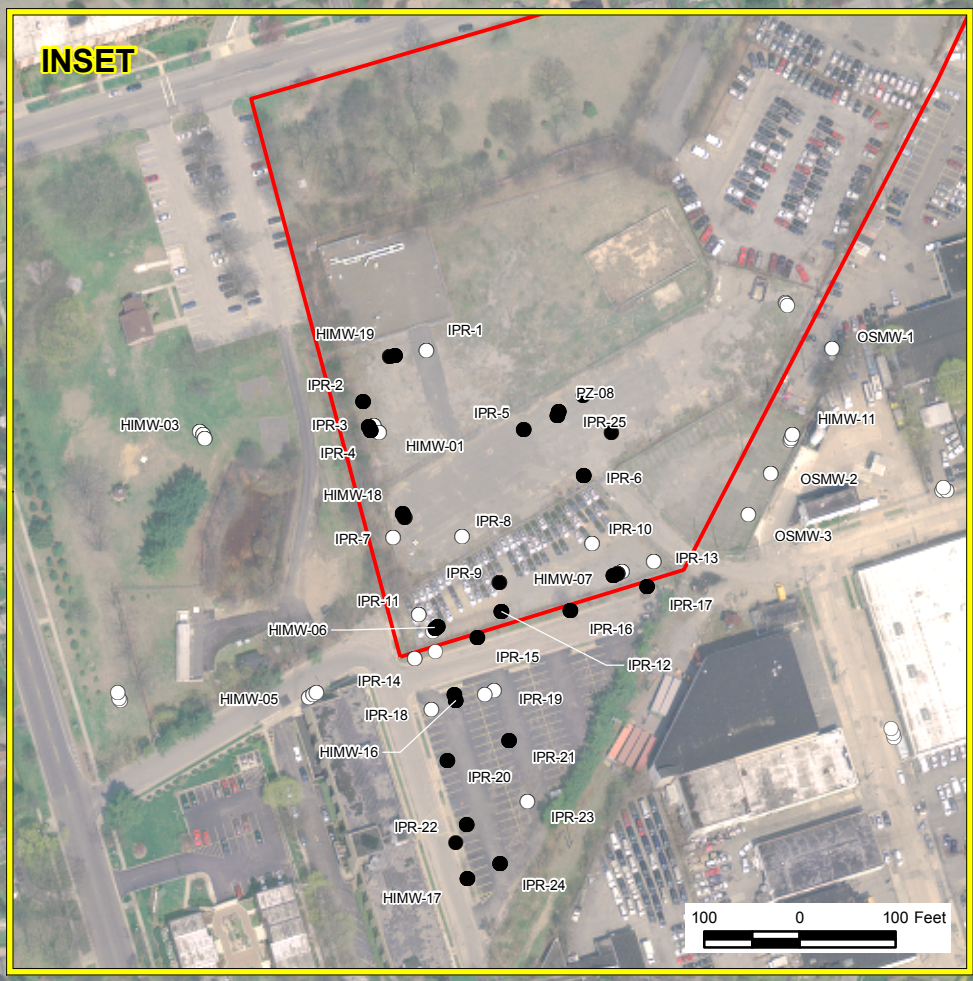
- Monitoring Well - Product Detected
- Monitoring Well - Product Not Detected
- Former MGP Site Boundary



HEMPSTEAD/GARDEN CITY, NY
 TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
 AND FREE PRODUCT THICKNESS
 SECOND QUARTER 2009

FIGURE 9

J:\1175065.000\00\BGS\ARC\MAP\0409 BTEX\PAH-NAPL.mxd 8/12/2009 12:32:52 PM Lumb, M



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			0.95	
HIMW-01S			0.80	
HIMW-03D				
HIMW-03I	13			
HIMW-03S				
HIMW-05D	48	53		
HIMW-05I	189	2374		
HIMW-05S				
HIMW-06I			0.60	
HIMW-06S			4.20	
HIMW-07S			1.30	
HIMW-08D				
HIMW-08I				
HIMW-08S	7			
HIMW-12D	1			
HIMW-12I	53	100		
HIMW-12S	11			
HIMW-13D	7	9		
HIMW-13I	45	80		
HIMW-13S				
HIMW-14D				
HIMW-14I	101	45		
HIMW-15D	70			
HIMW-15I	31	18		
HIMW-16I			6.50	
HIMW-16S			6.10	
HIMW-17S			2.45	
HIMW-18S			0.01	
HIMW-19S			0.01	
HIMW-20I	224	167		
HIMW-20S				
IPR-2			0.40	
IPR-5			0.01	
IPR-6			0.25	
IPR-12A			0.20	
IPR-15			0.01	
IPR-16			0.01	
IPR-17			0.01	
IPR-20			0.30	
IPR-21			1.00	
IPR-22			2.50	
IPR-24			0.01	
IPR-25			1.62	
PZ-08			4.53	

Legend

- Monitoring Well - Product Detected
- Monitoring Well - Product Not Detected
- Former MGP Site Boundary



HEMPSTEAD/GARDEN CITY, NY
 TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
 AND FREE PRODUCT THICKNESS
 FIRST QUARTER 2009

FIGURE 10

J:\1175065.000\00\BGS\ARCMA\0109 BTEXPAH-NAPL.mxd 6/15/2009 4:05:25 PM Lumb, M

FIGURE 11A
Well HIMW-01S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

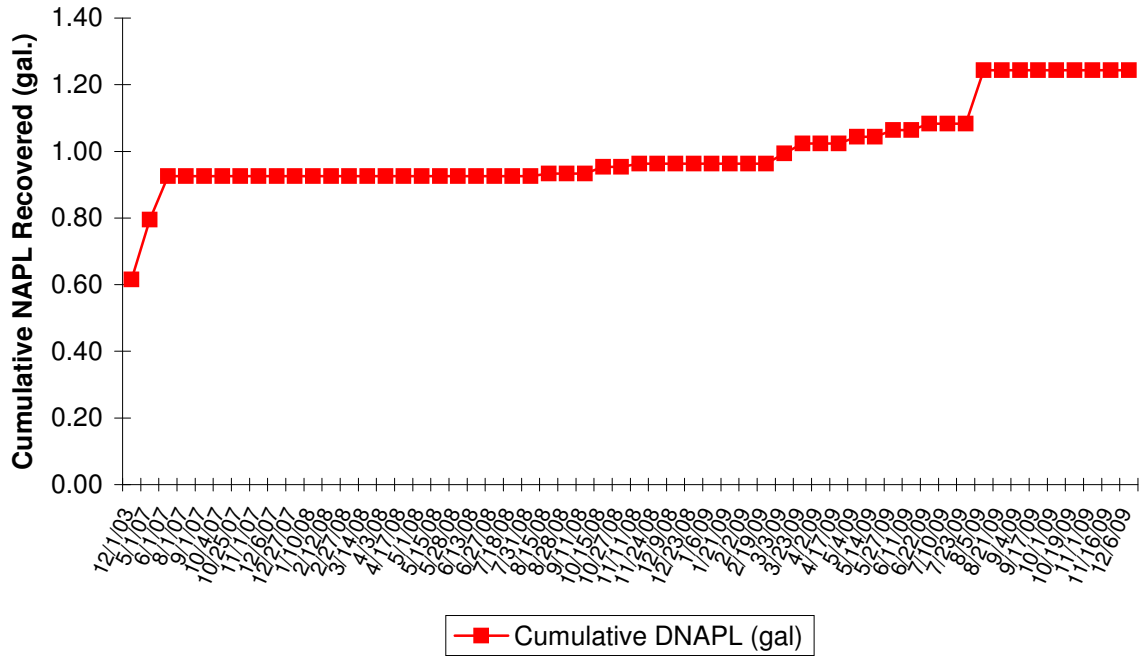


FIGURE 11B
Well HIMW-011 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

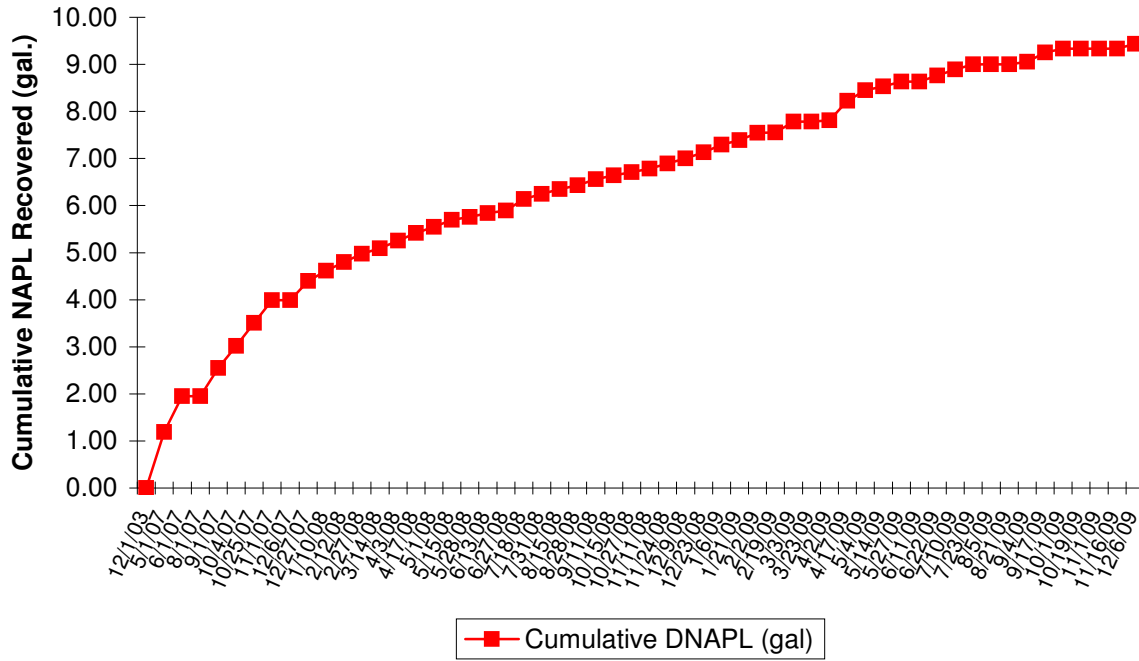


FIGURE 11C
Well HIMW-06S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

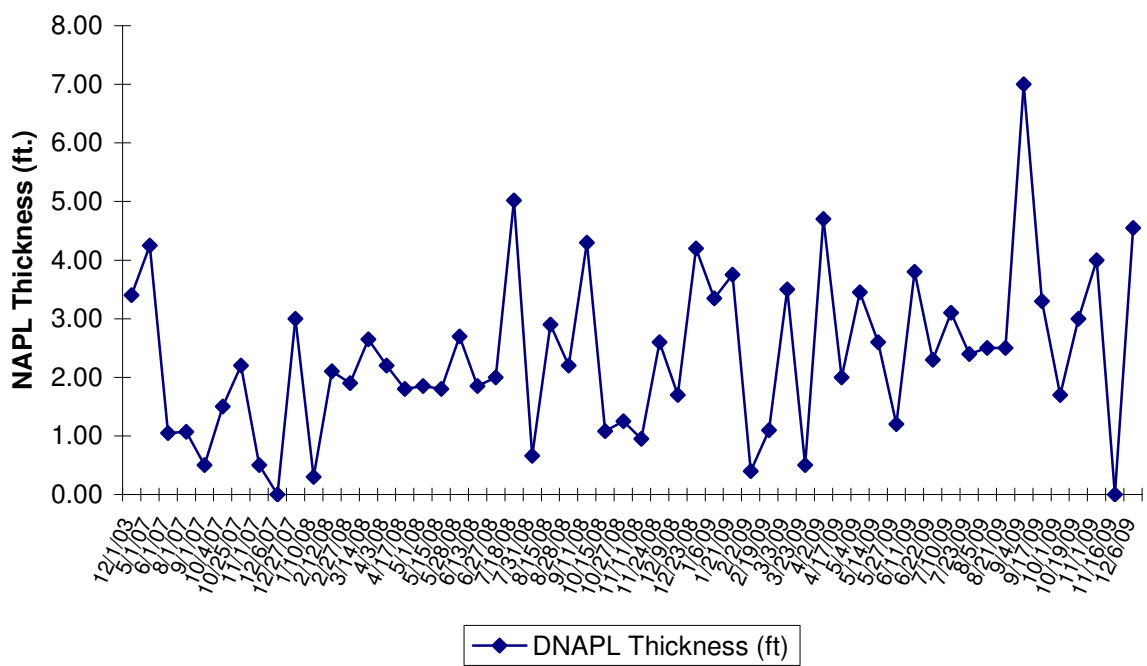
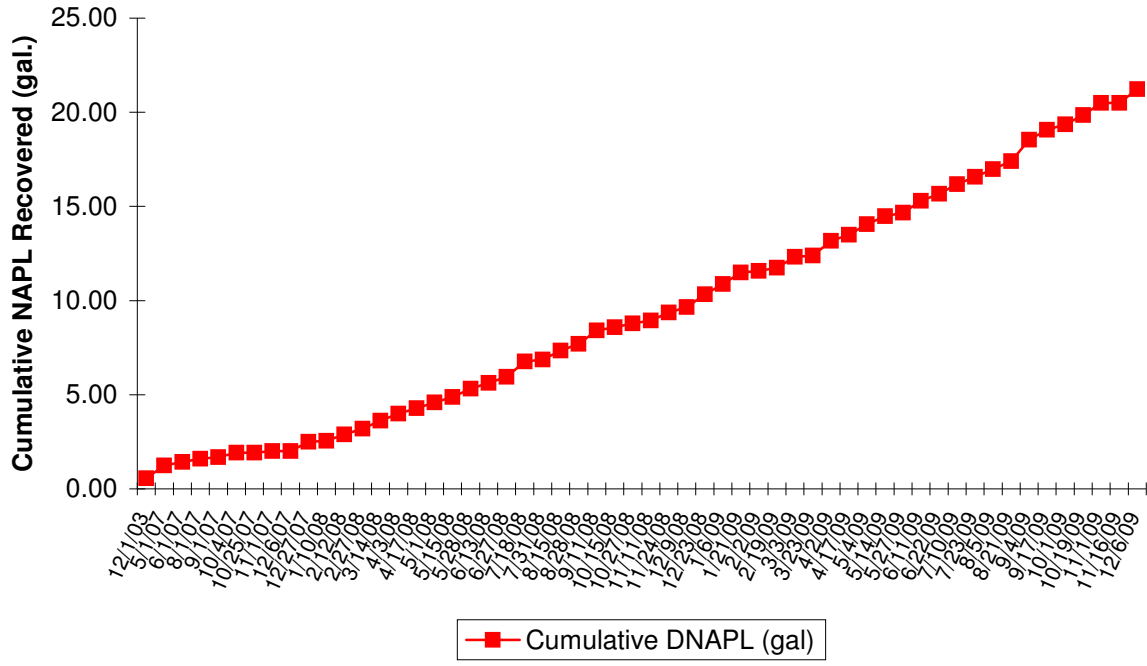


FIGURE 11D
Well HIMW-06I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

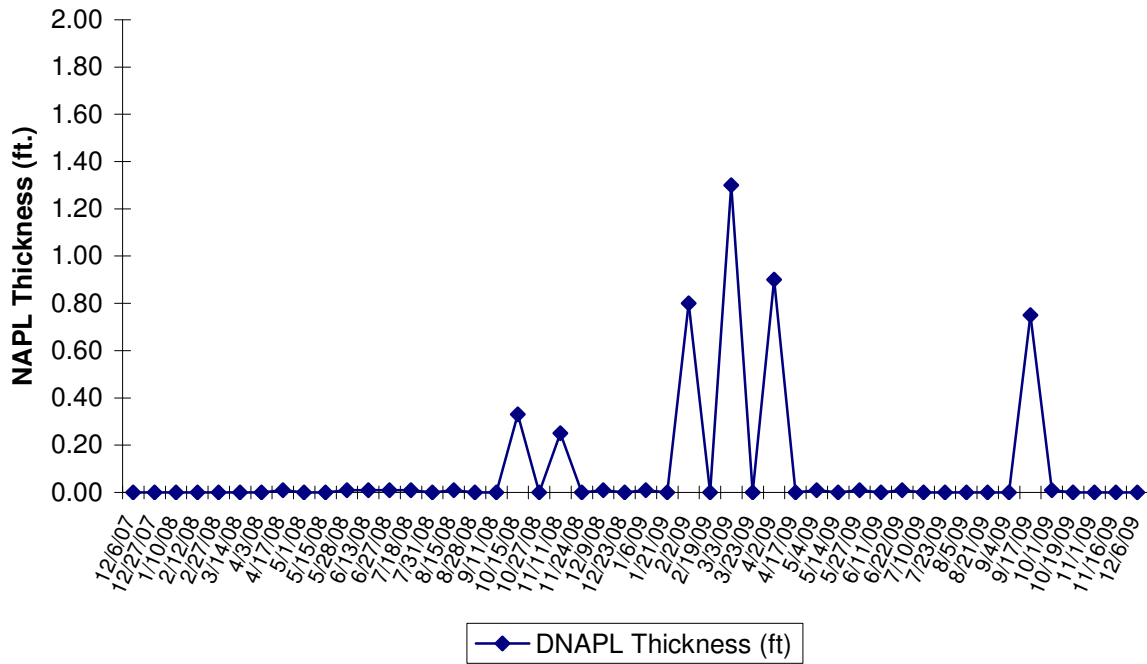
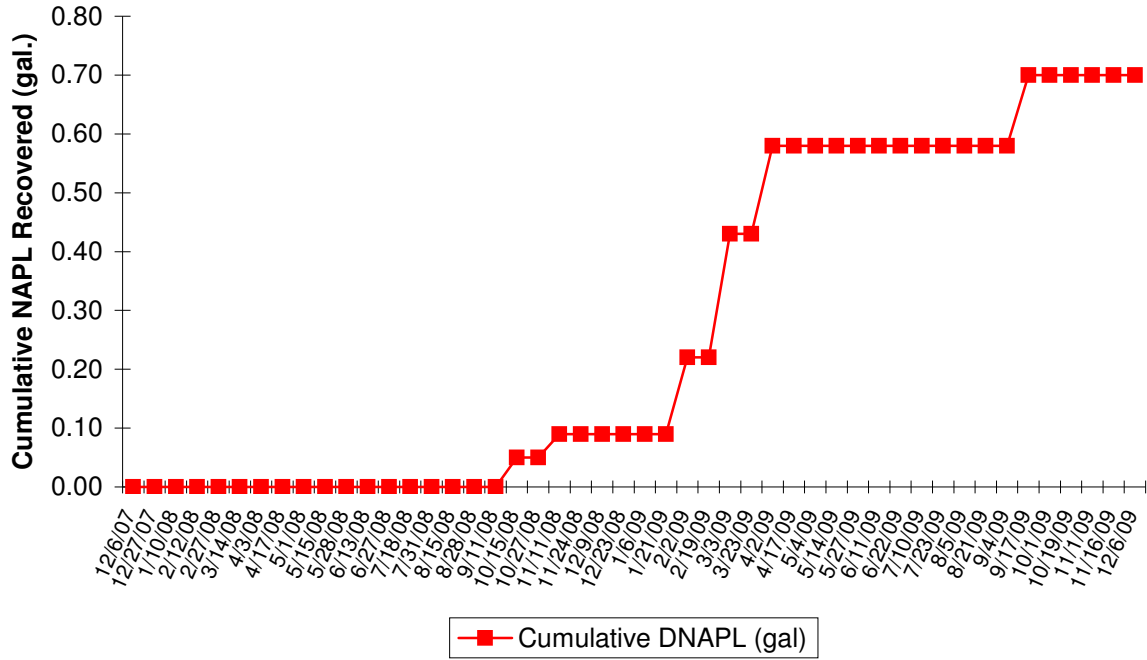


FIGURE 11E
Well HIMW-07S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

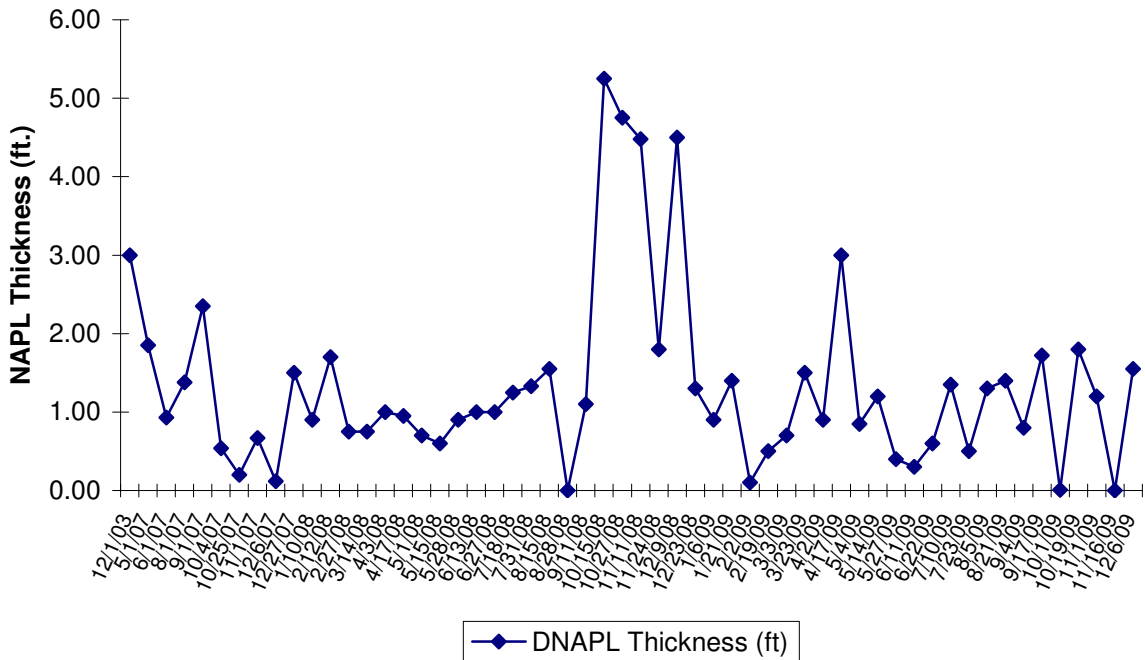
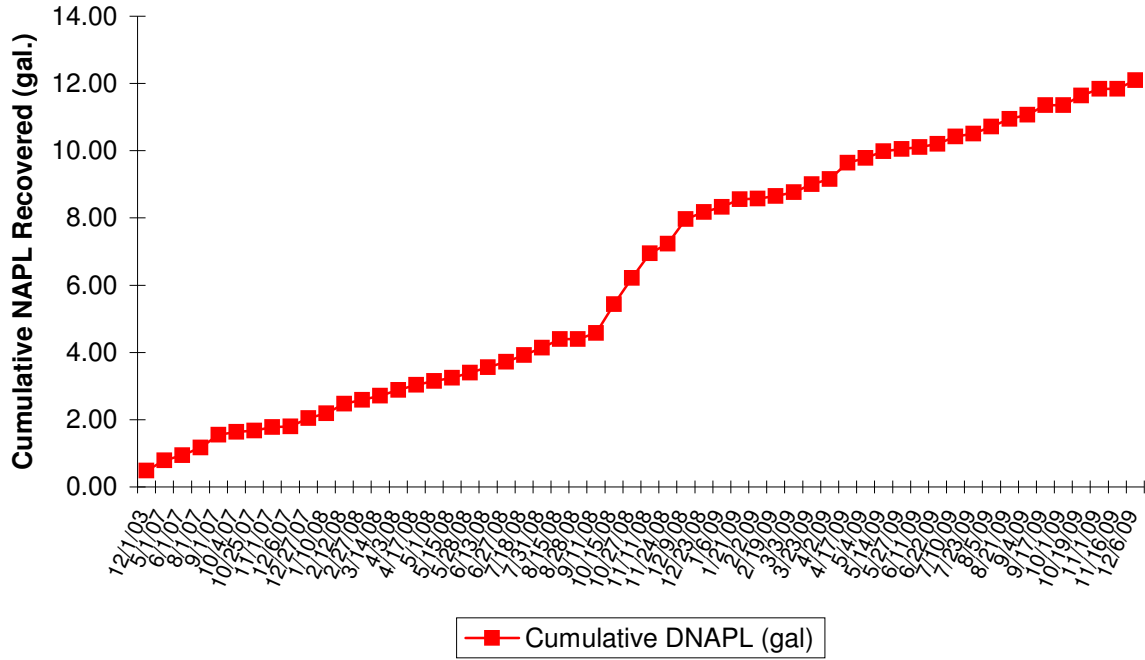


FIGURE 11F
Well HIMW-11S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

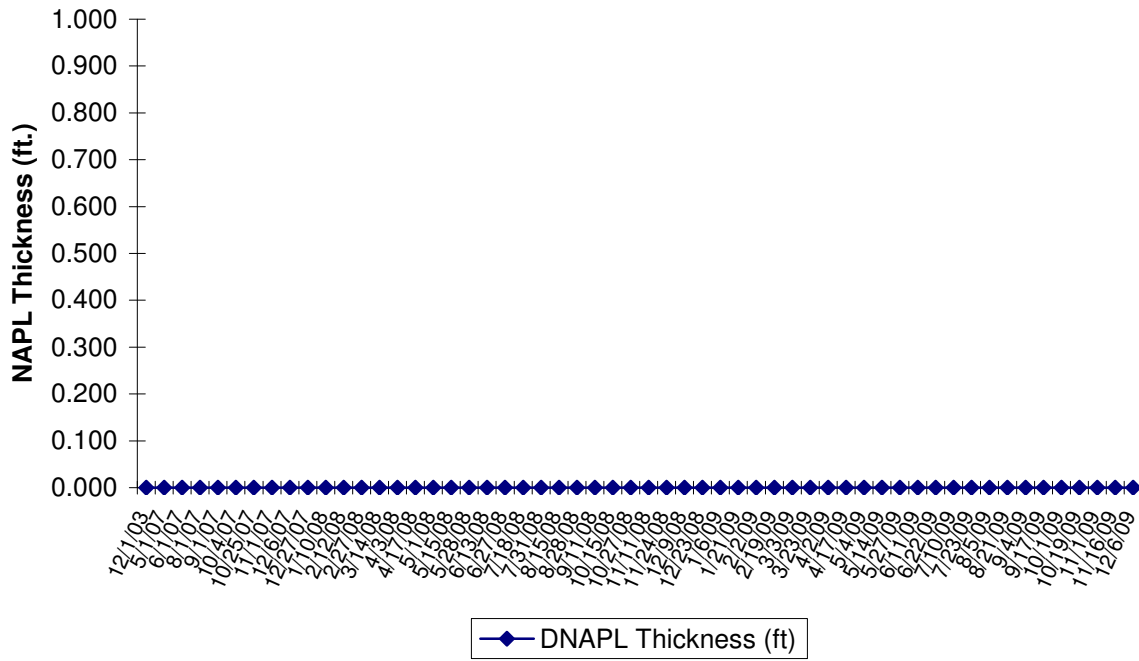
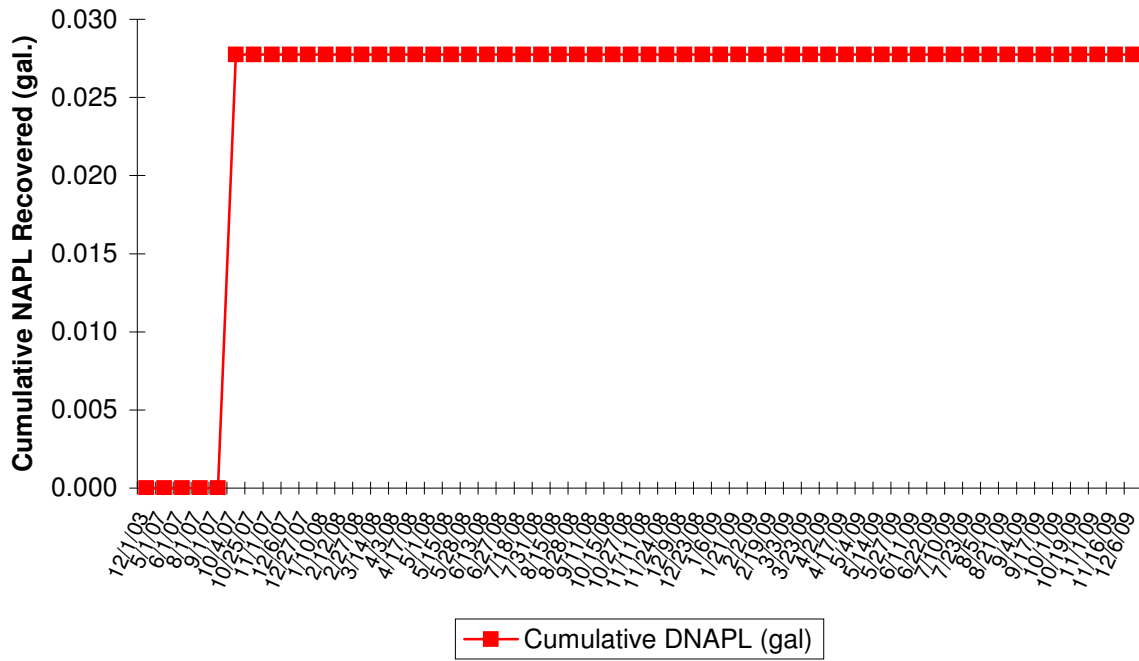


FIGURE 11G
Well HIMW-11I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

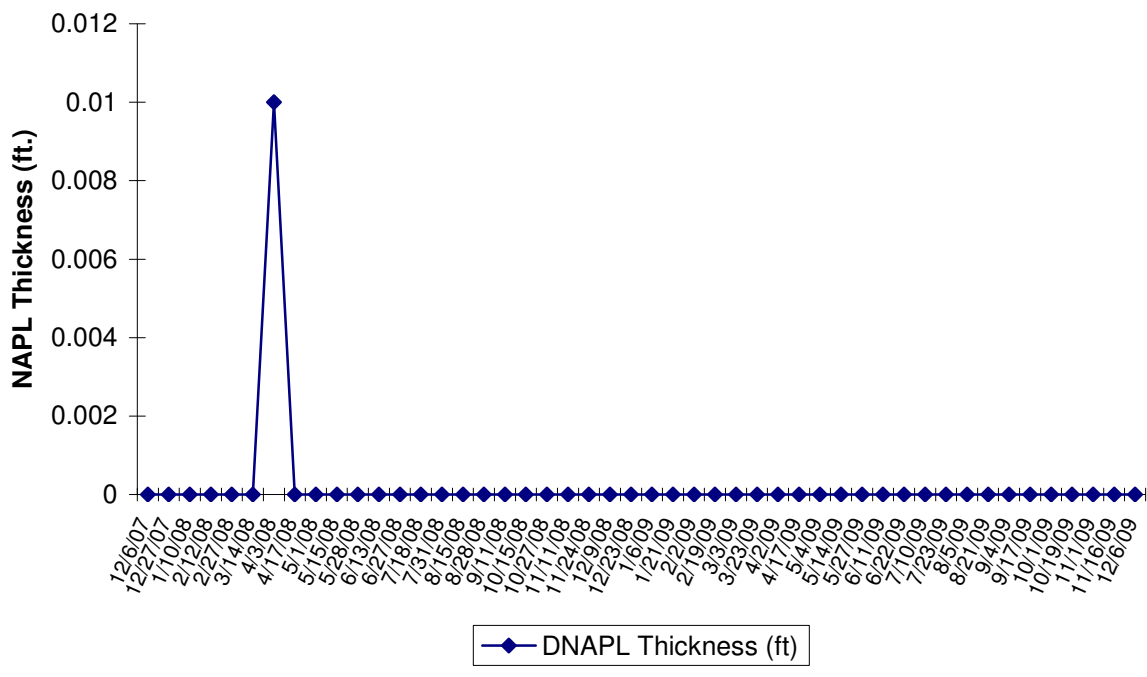
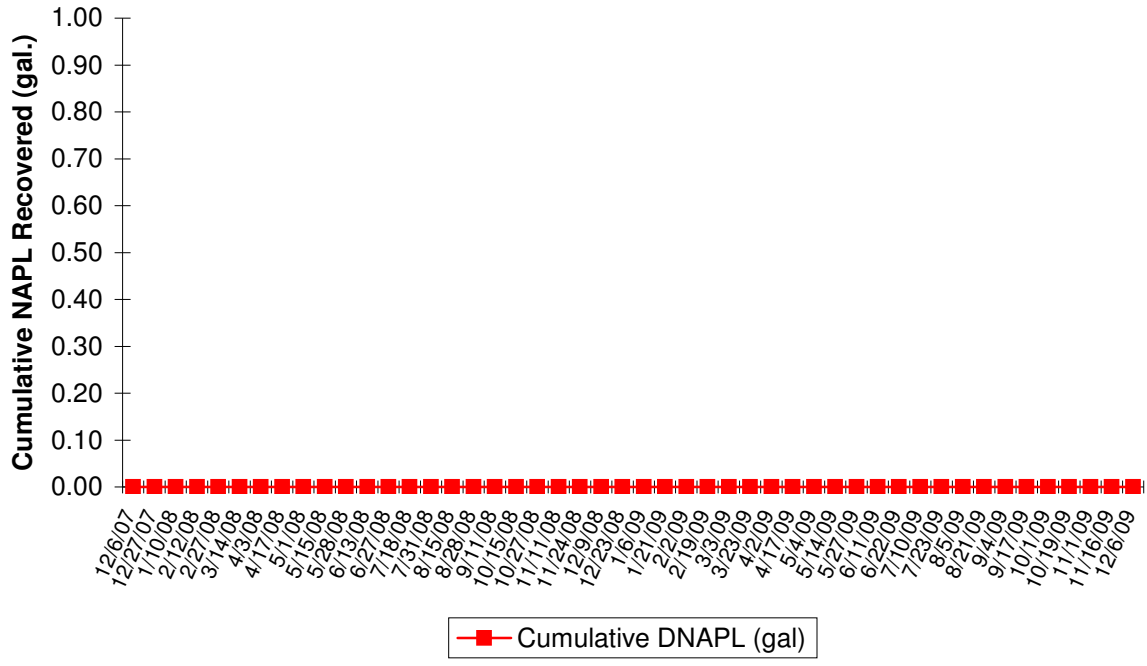


FIGURE 11H
Well HIMW-16S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

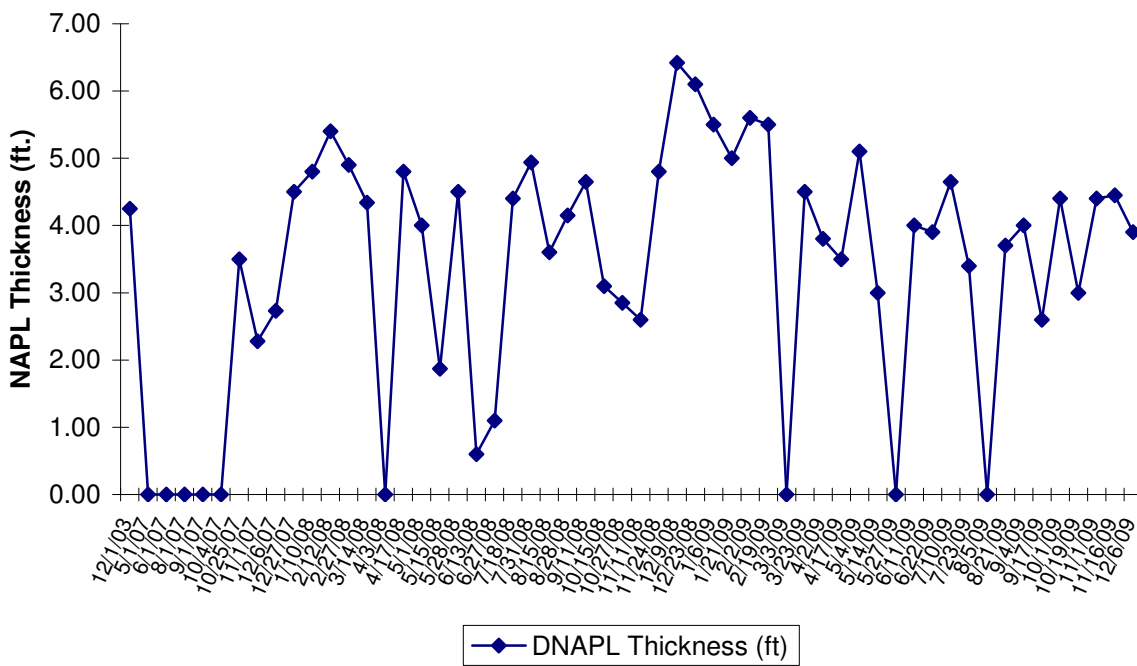
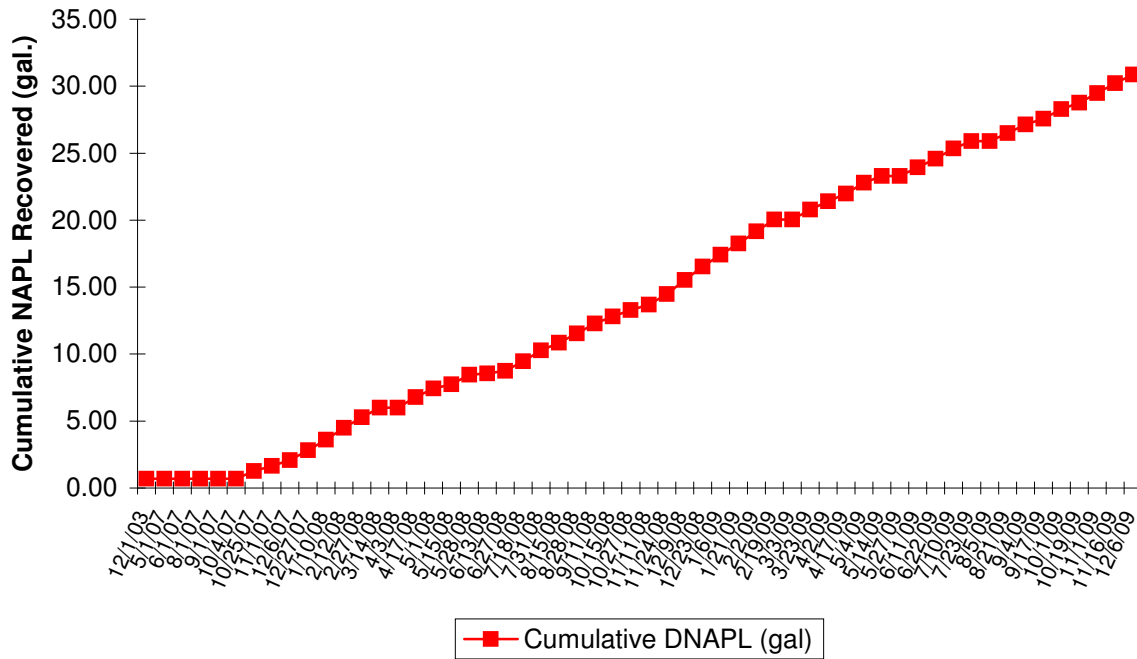


FIGURE 11I
Well HIMW-16I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

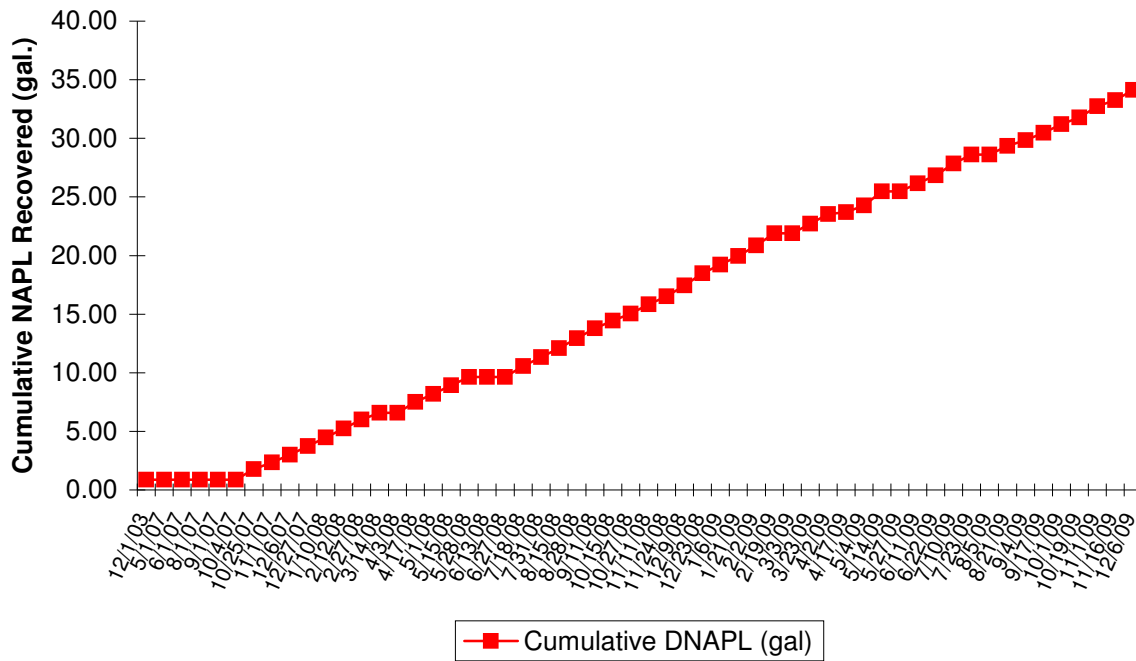


FIGURE 11J
Well HIMW-17S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

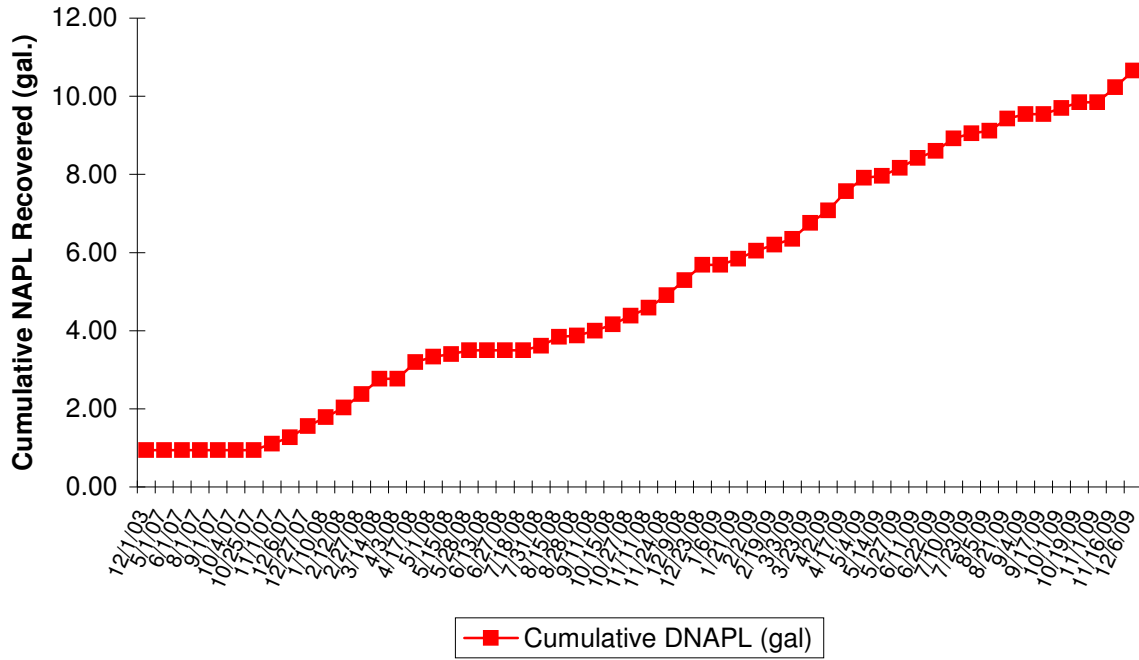


FIGURE 11K
Well HIMW-18S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

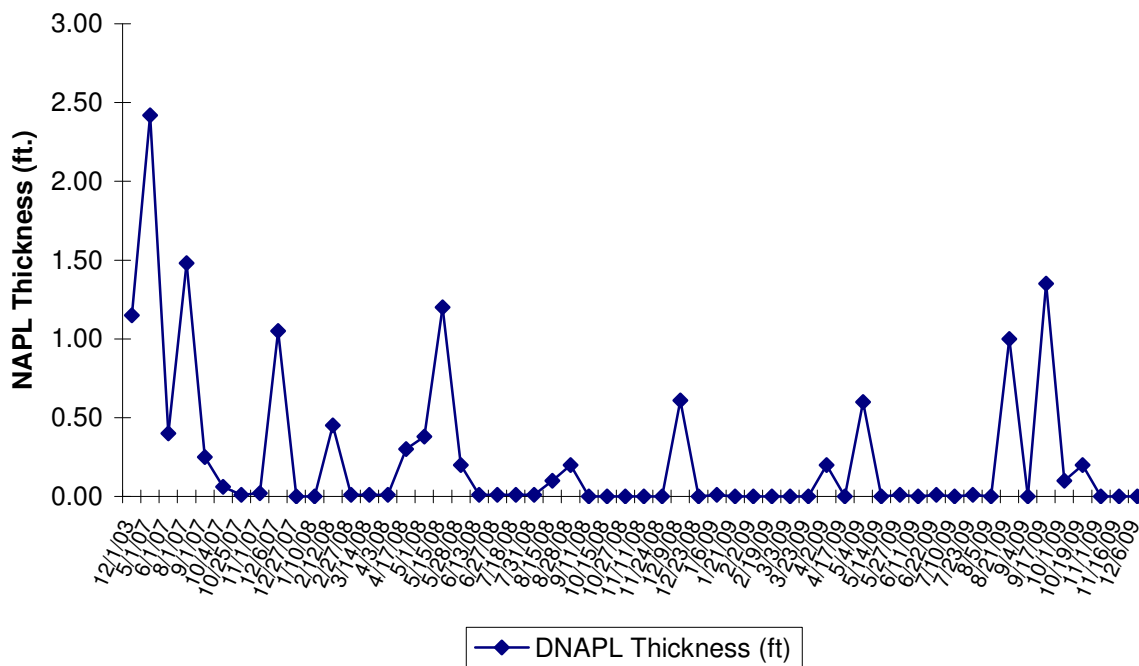
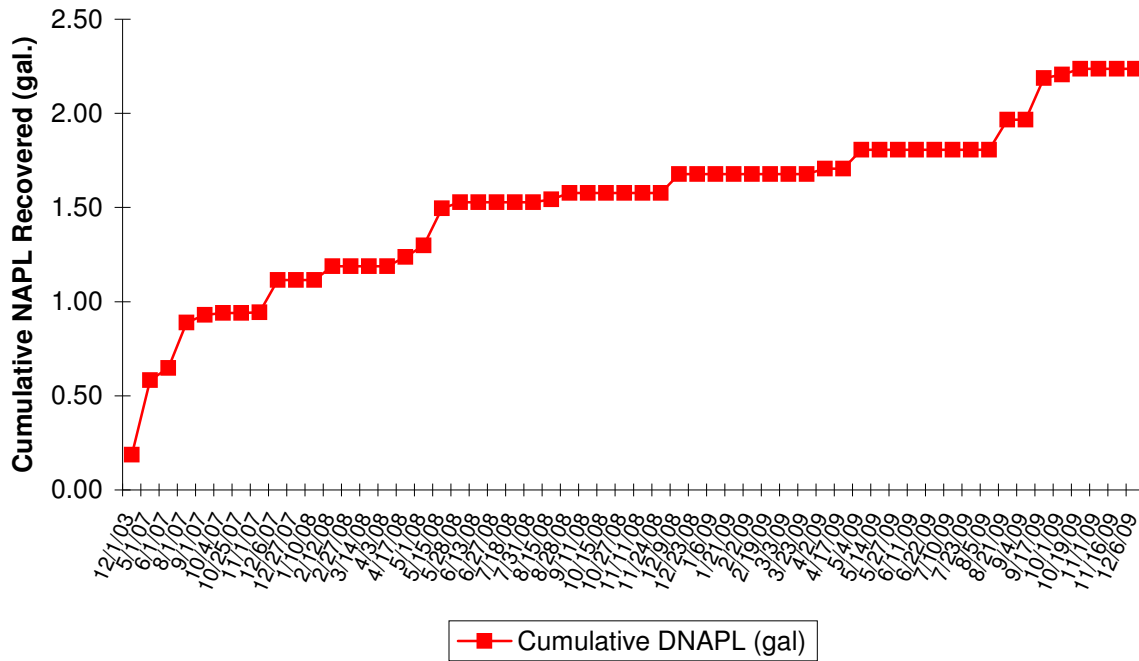


FIGURE 11L
Well HIMW-18I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

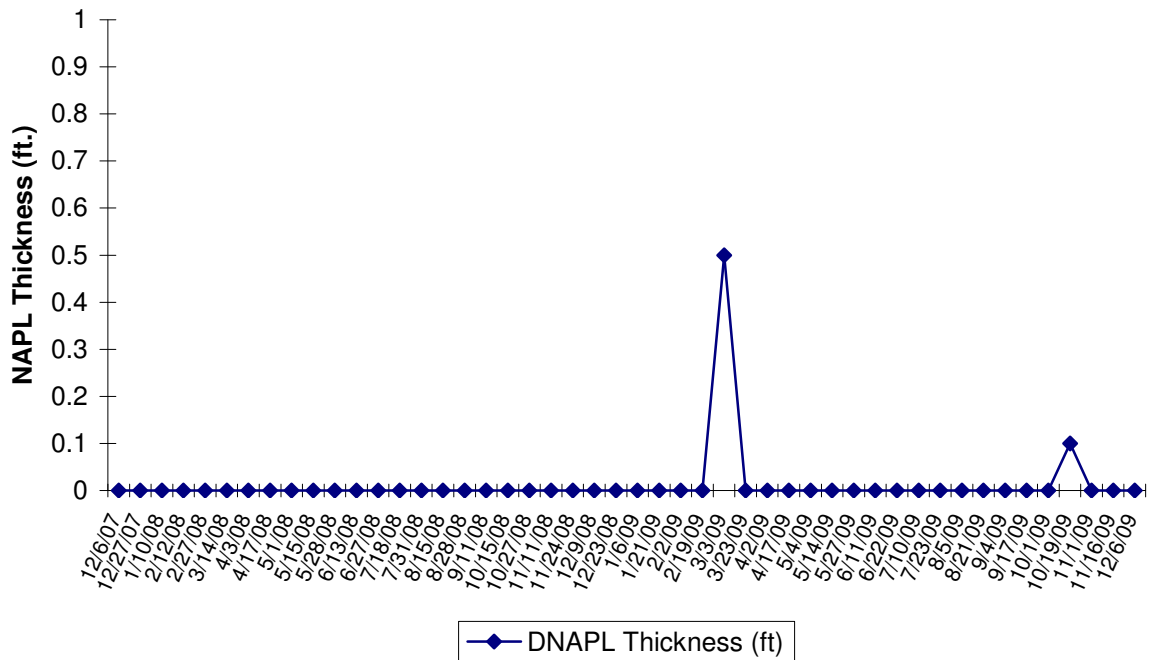
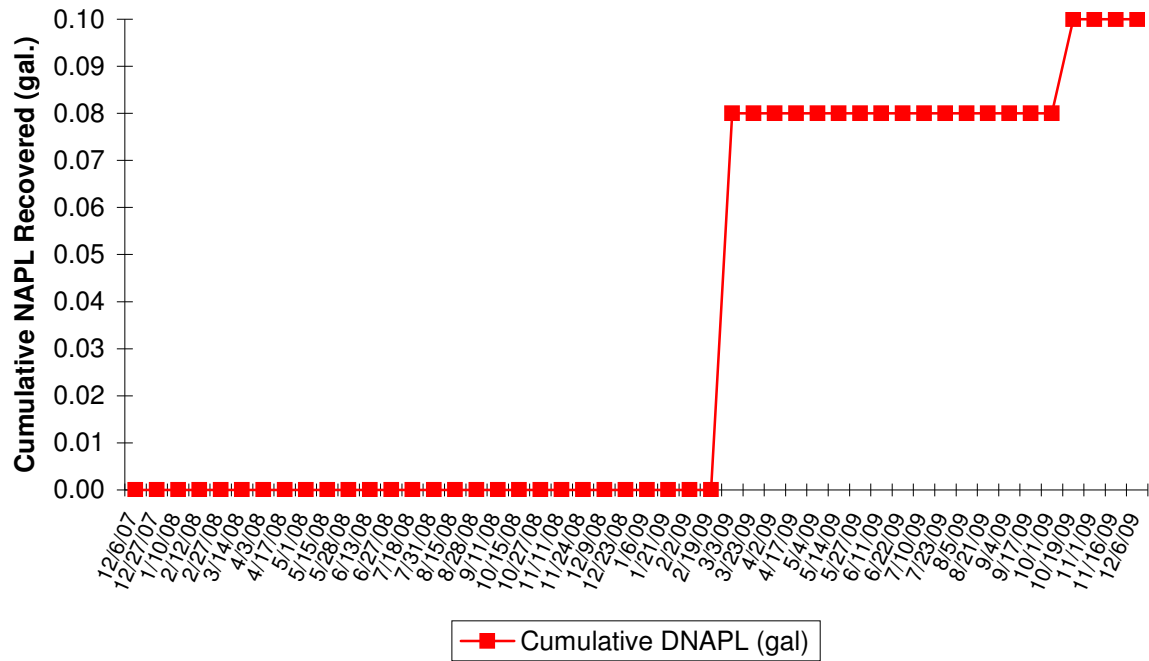


FIGURE 11M
Well HIMW-19S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

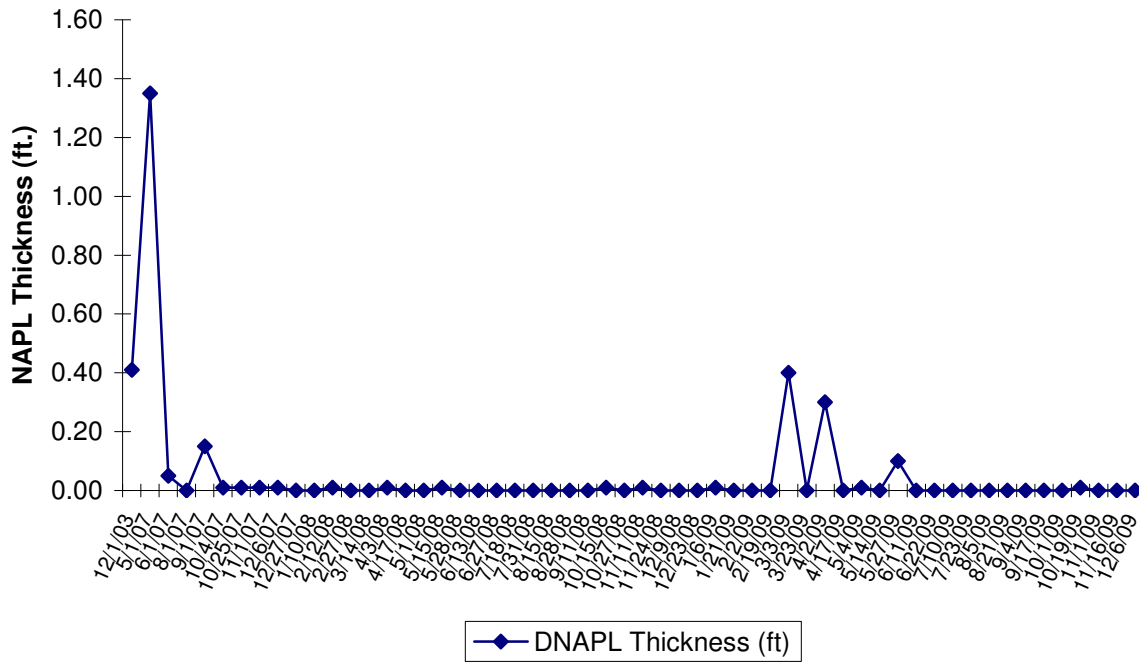
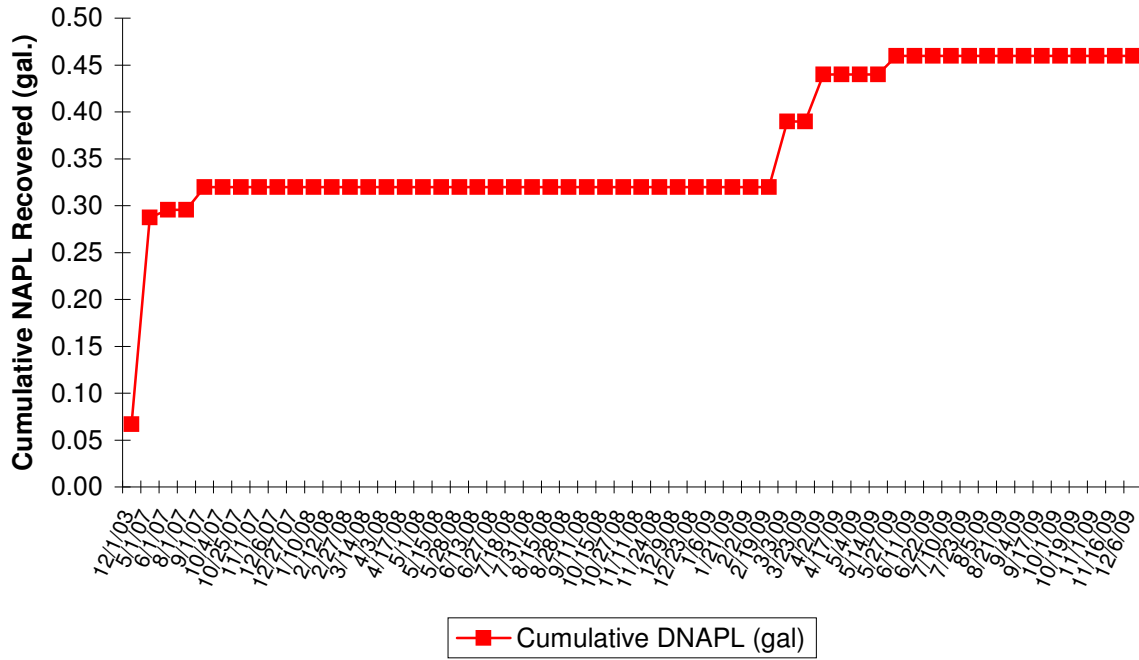


FIGURE 11N
Well HIMW-19I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

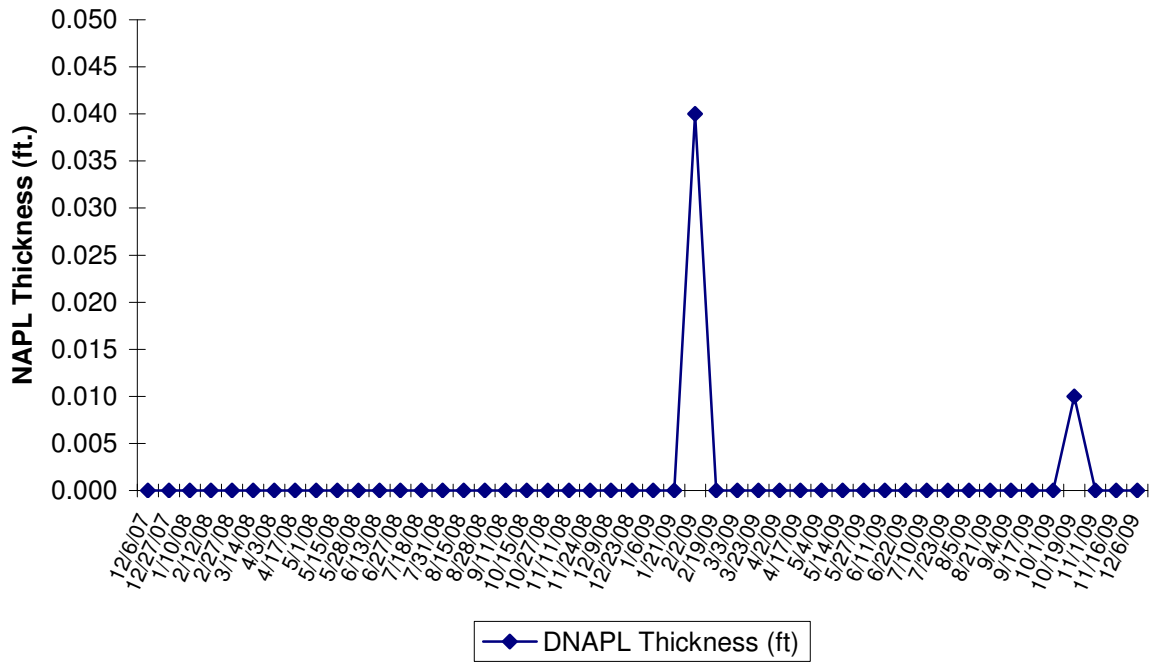
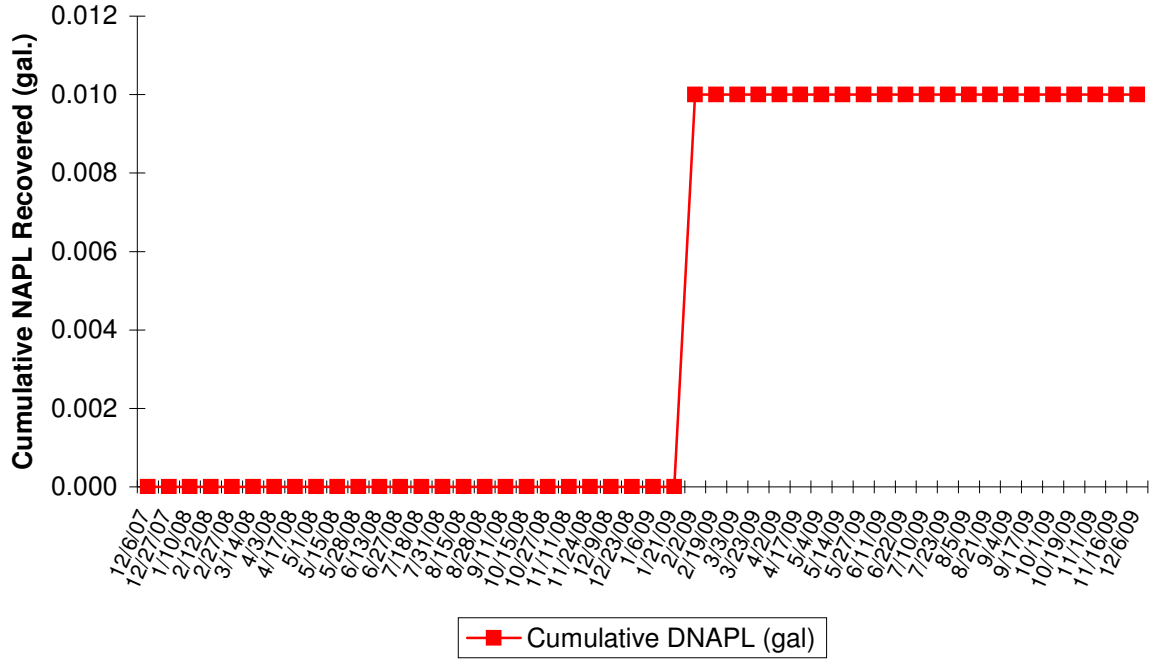


FIGURE 110
Well PZ-08 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

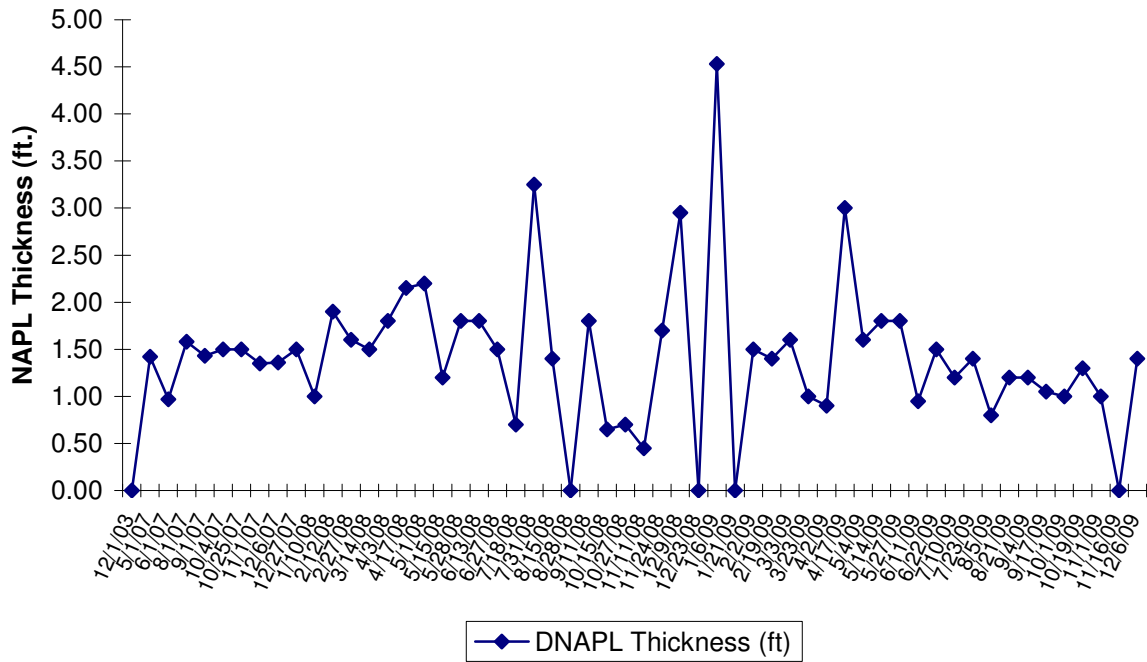
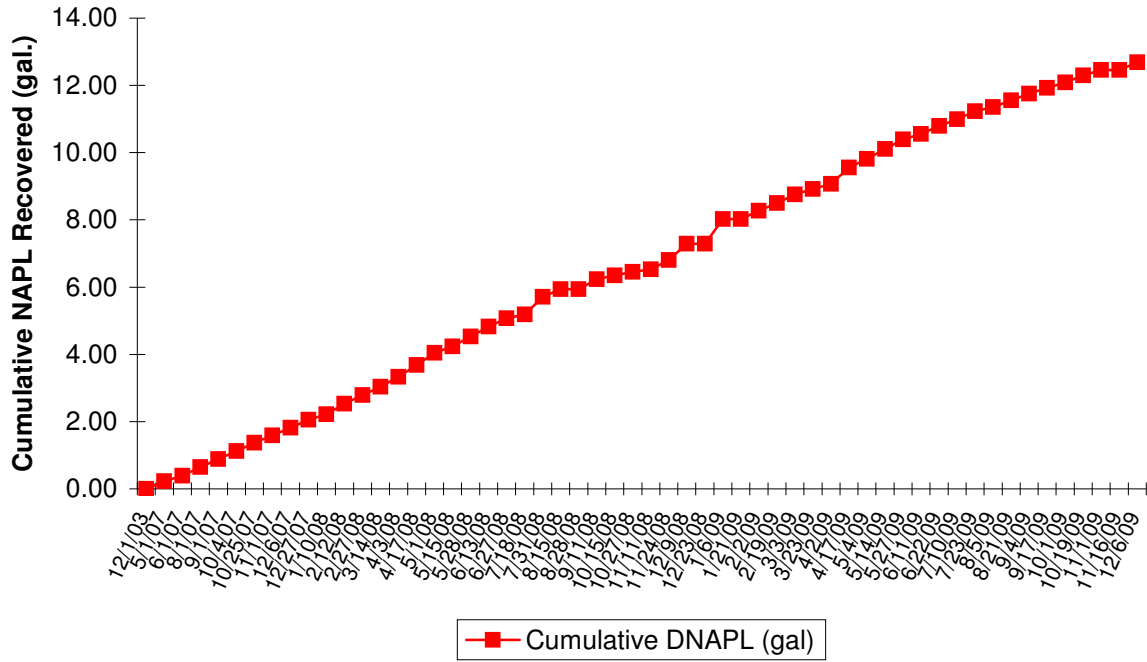


FIGURE 11P
Well IPR-02 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

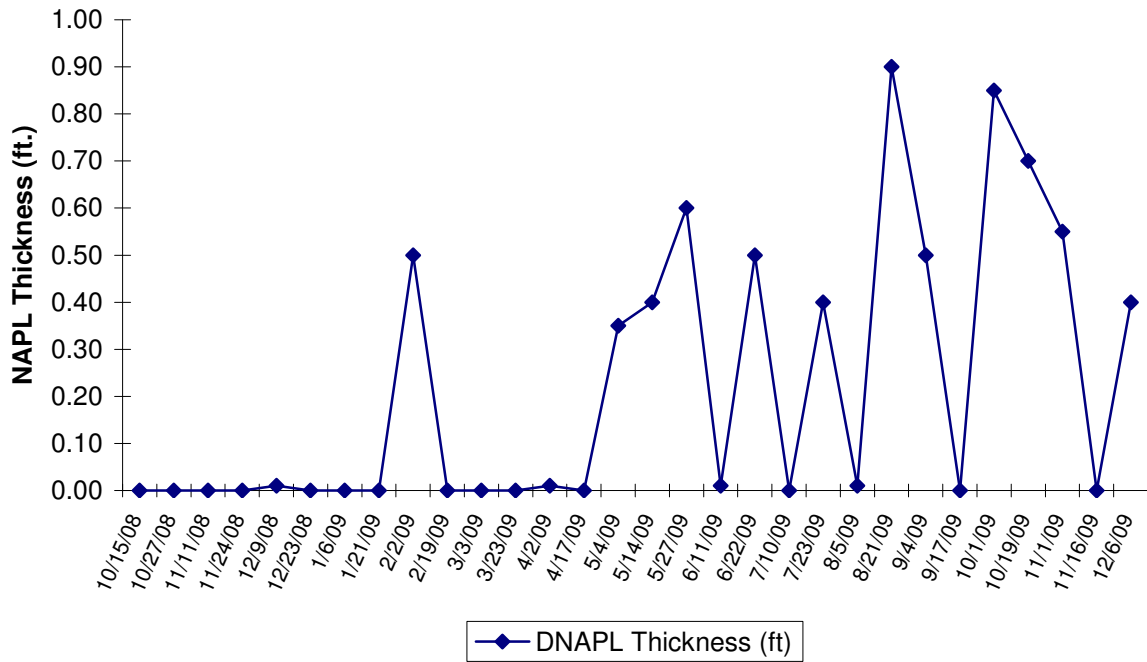
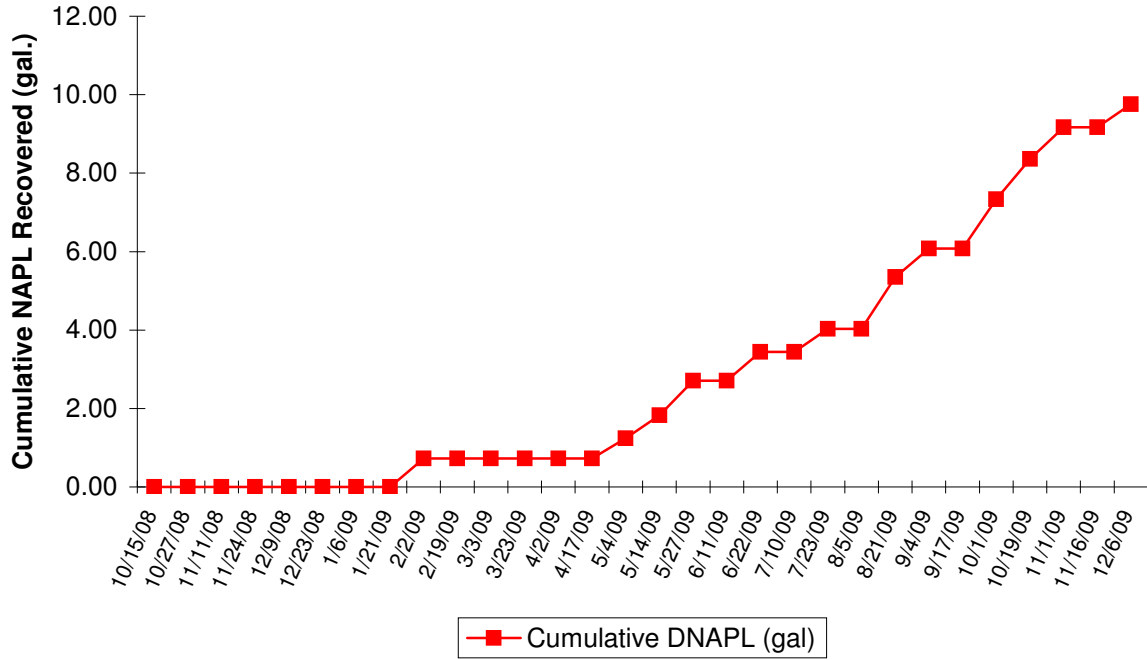


FIGURE 11Q
Well IPR-05 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

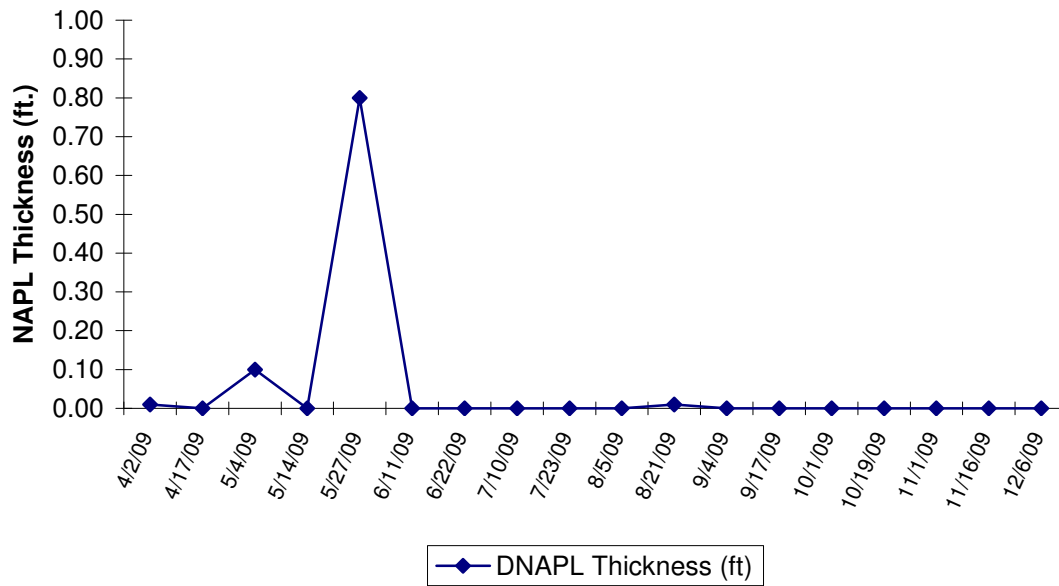
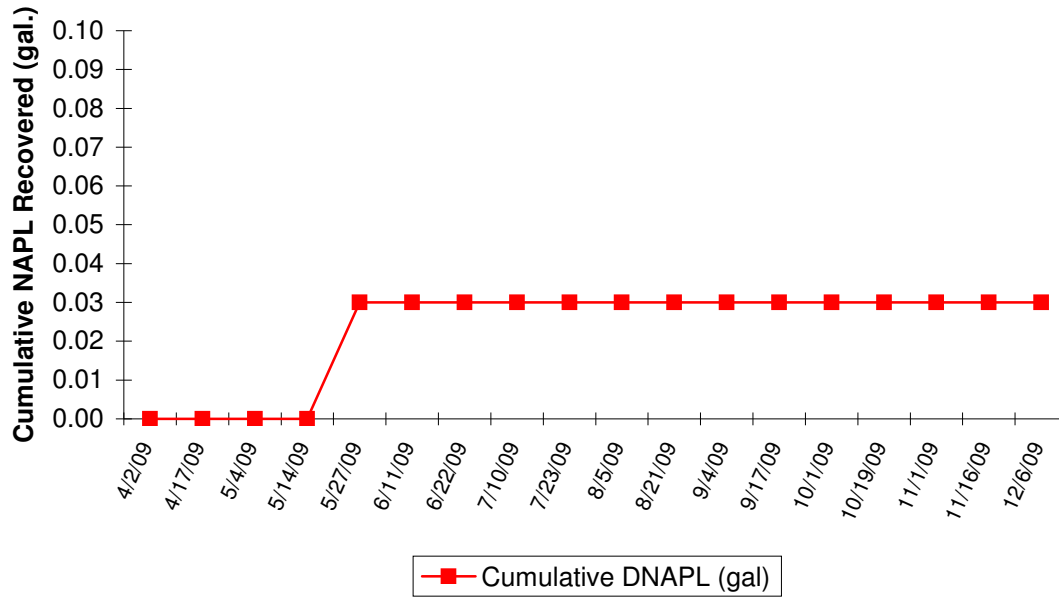


FIGURE 11R
Well IPR-06 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

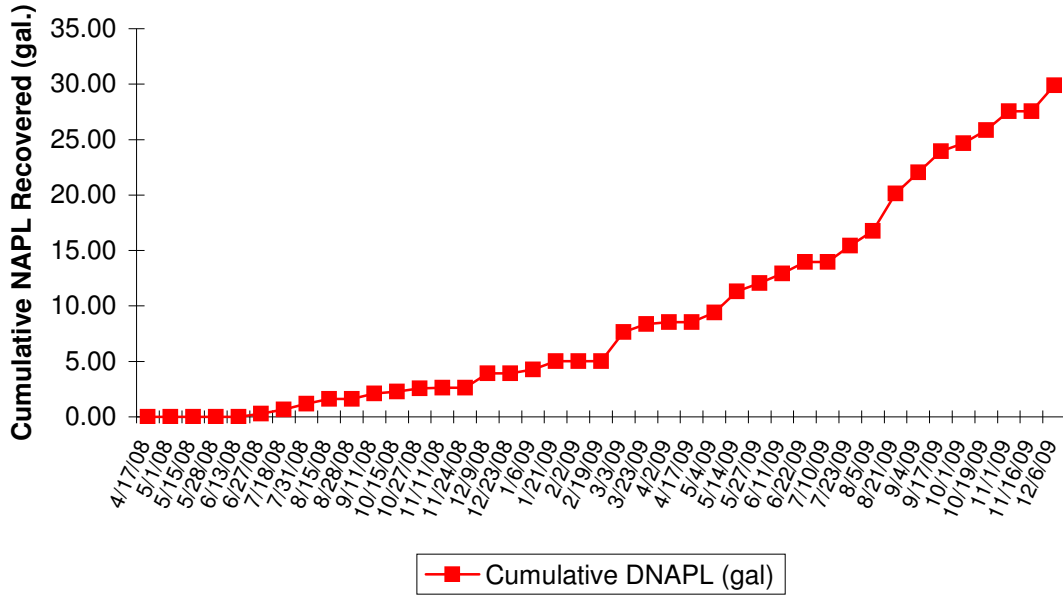


FIGURE 11S
Well IPR-12A NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

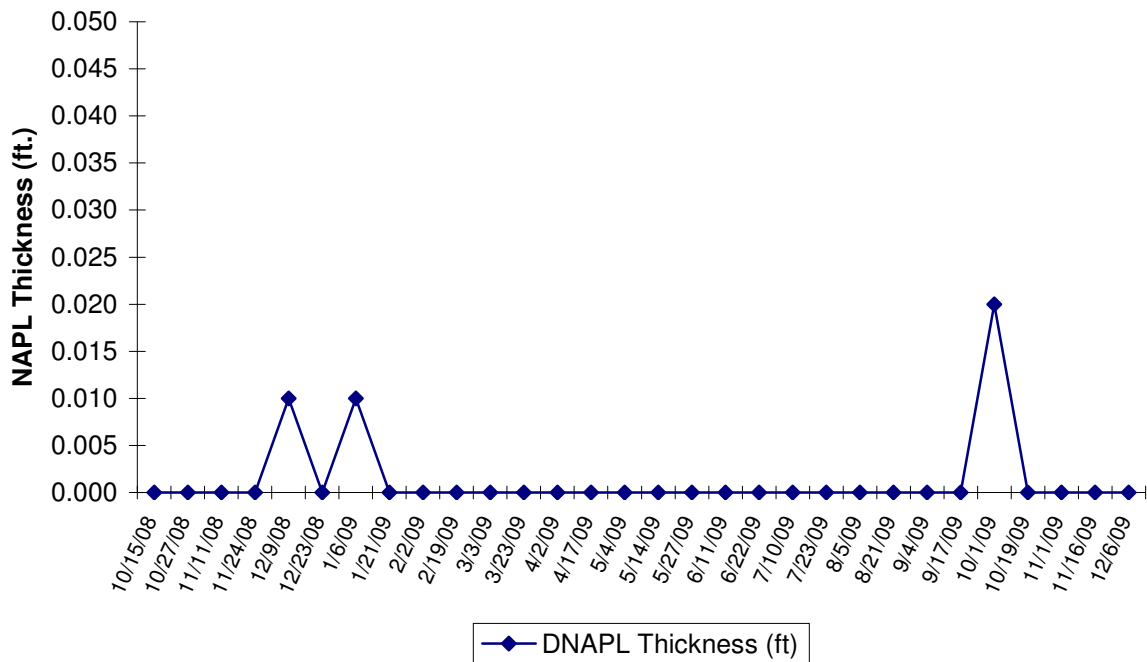
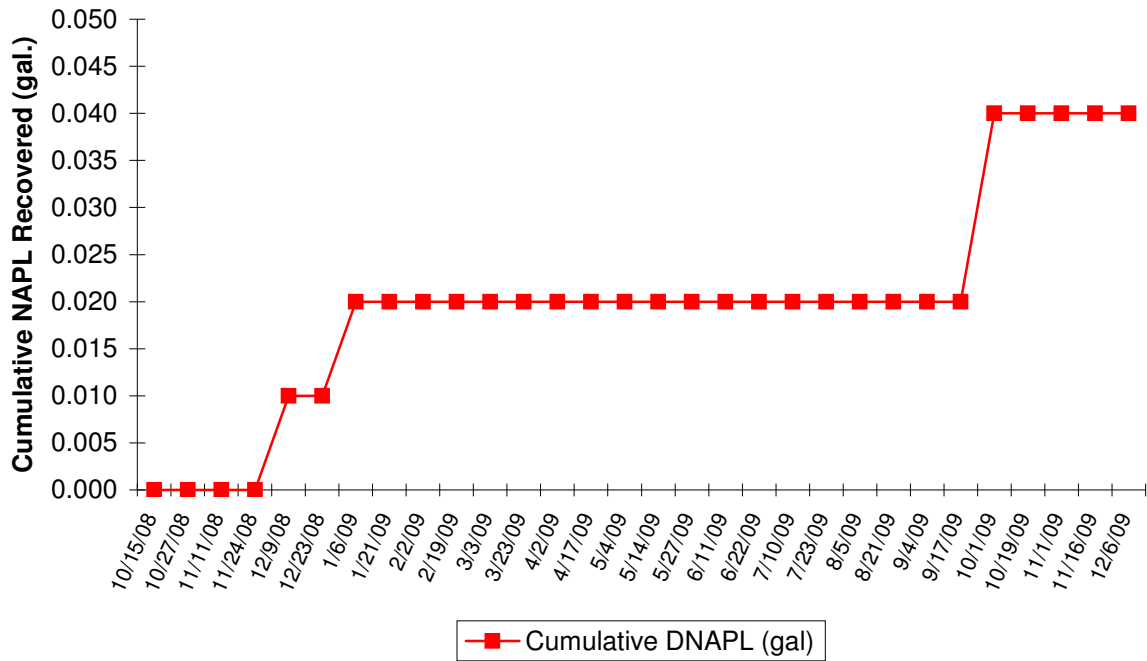


FIGURE 11T
Well IPR-15 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

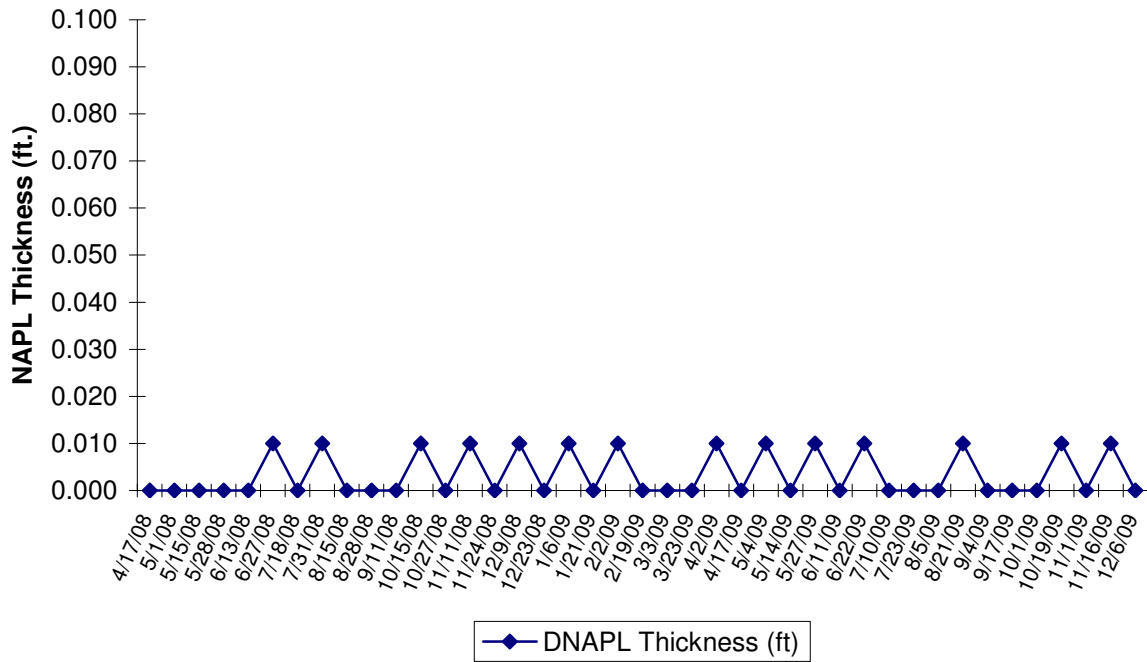
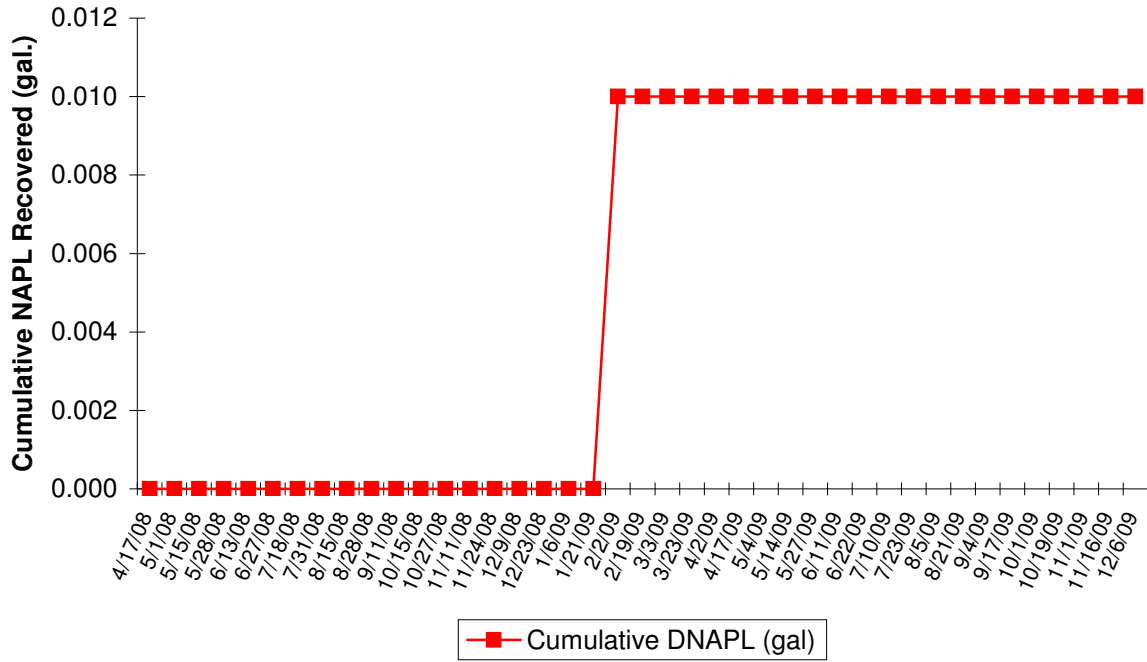


FIGURE 11U
Well IPR-16 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

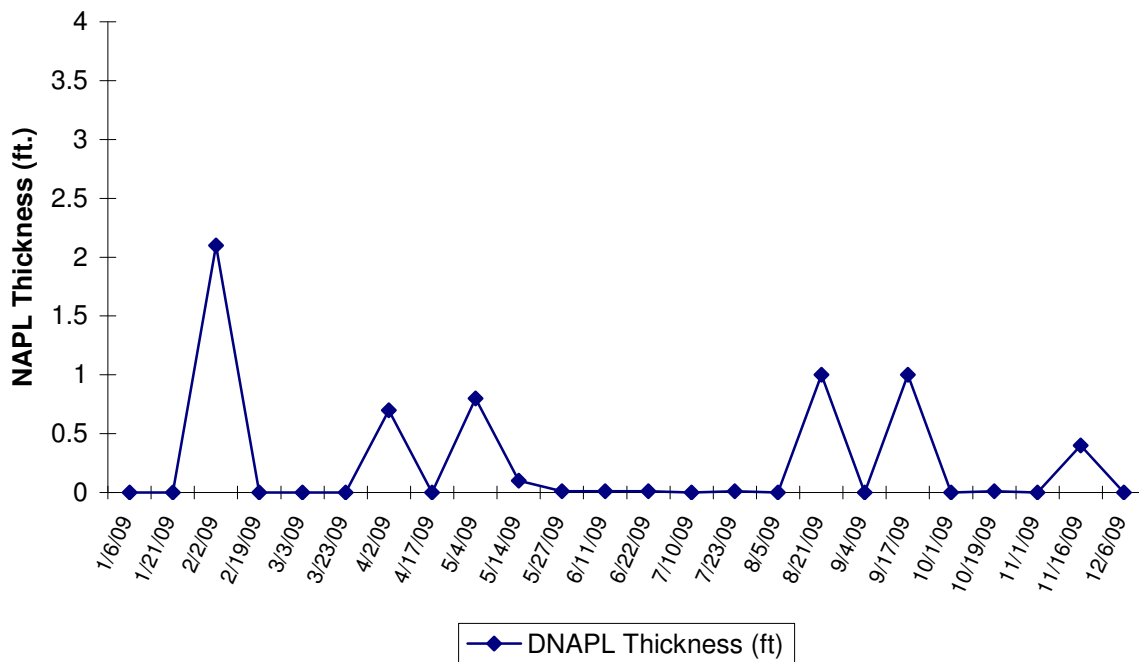
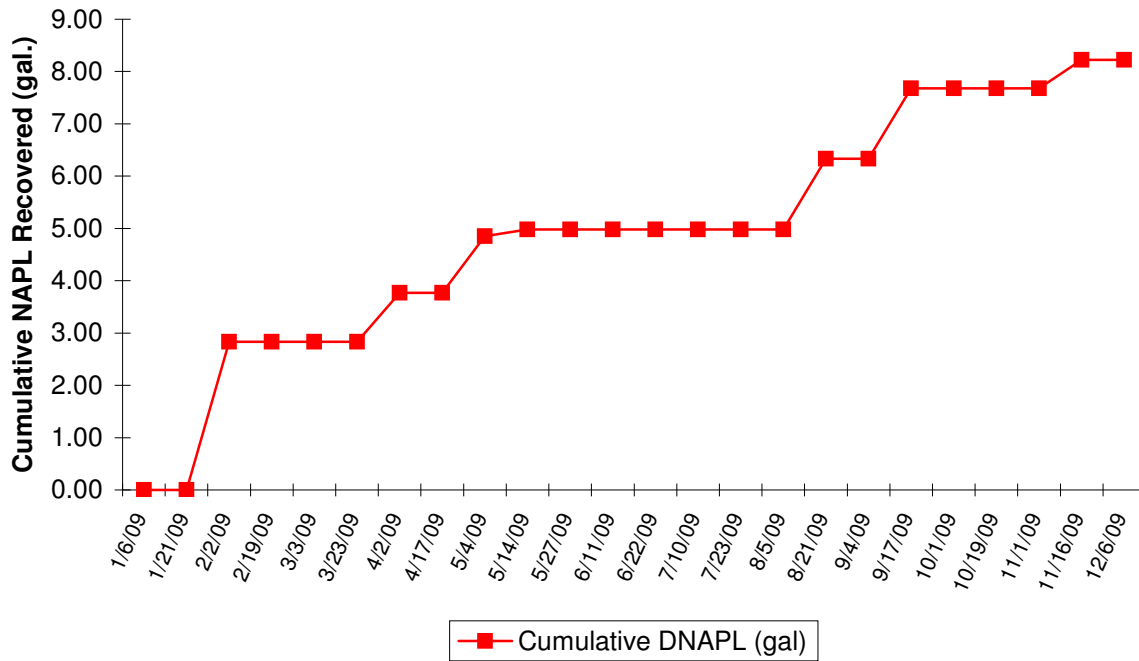


FIGURE 11V
Well IPR-17 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

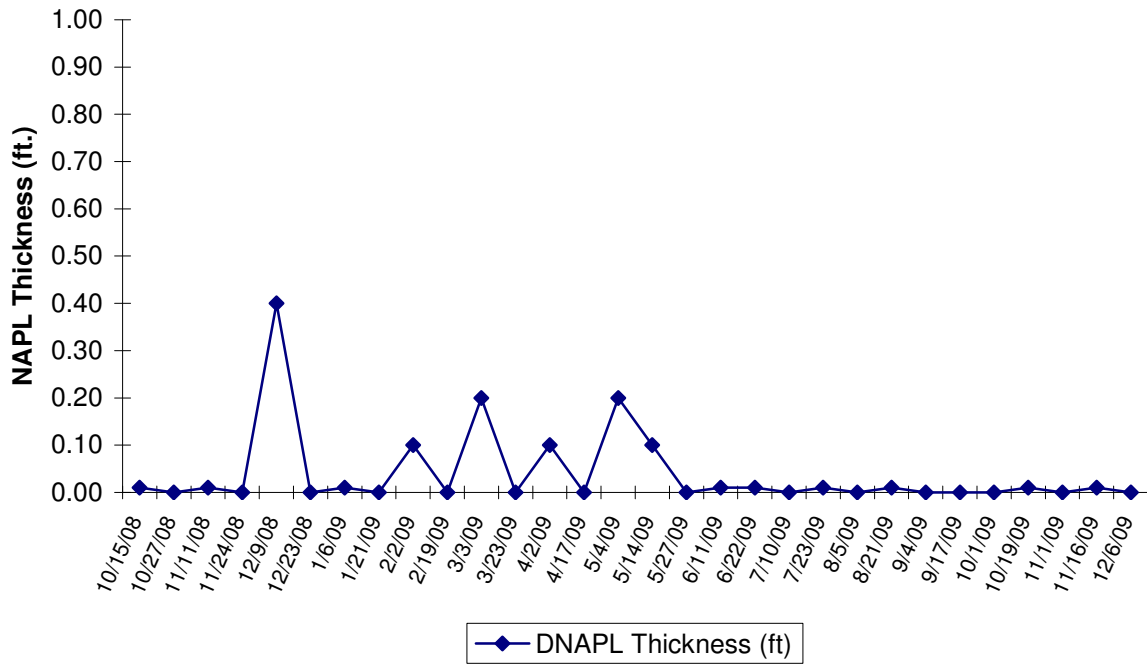
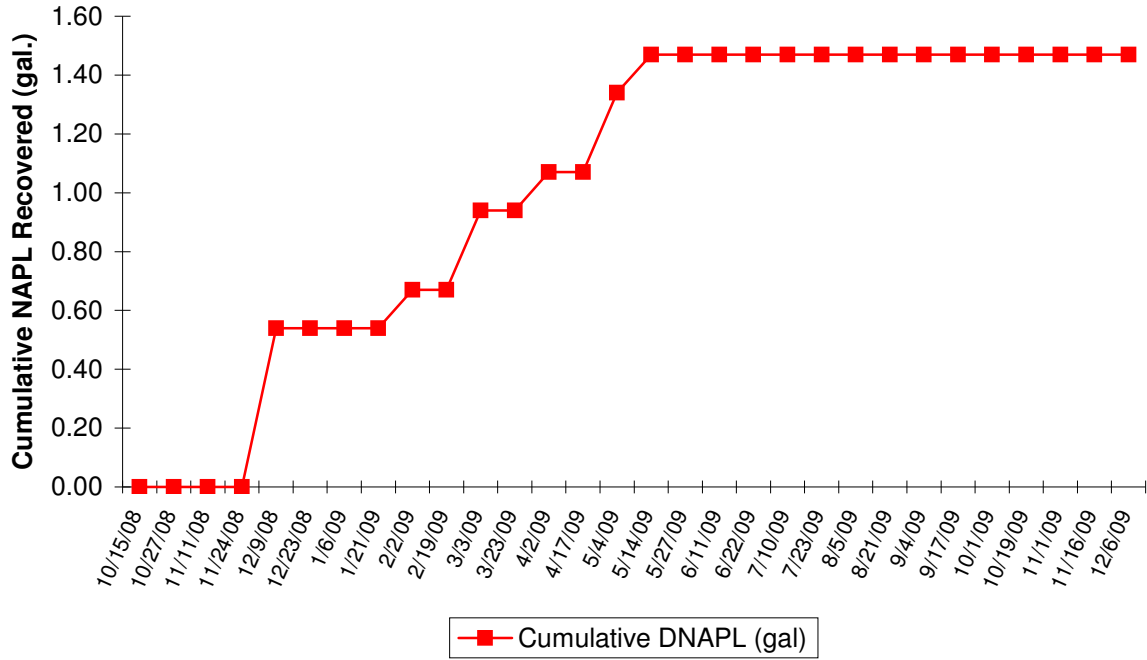


FIGURE 11W
Well IPR-18 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

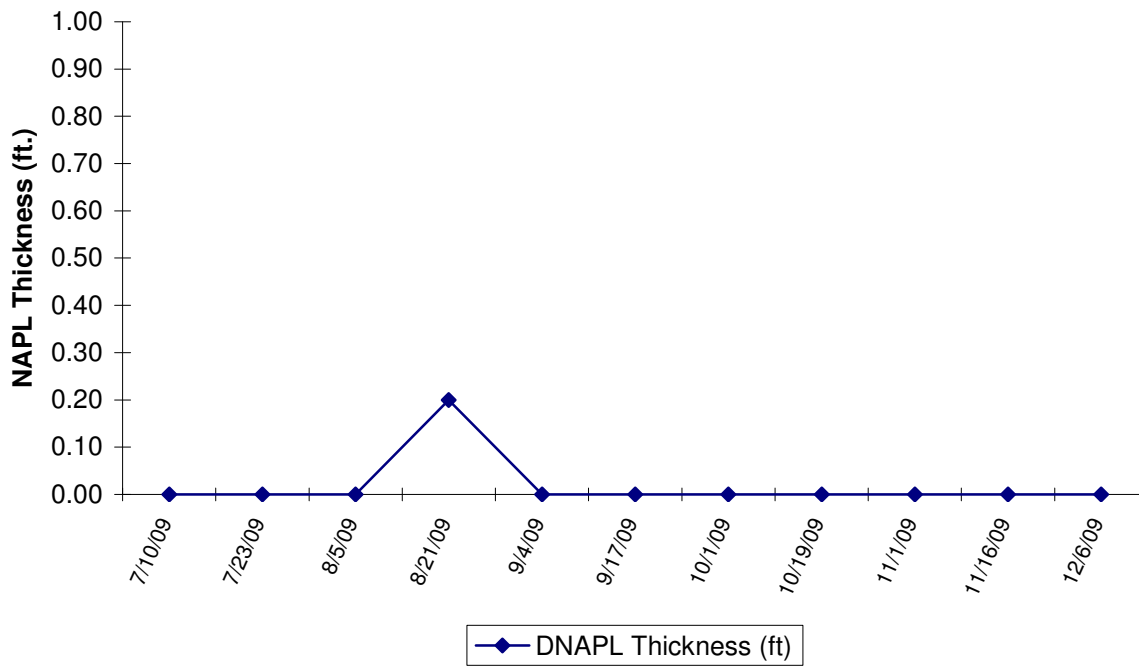
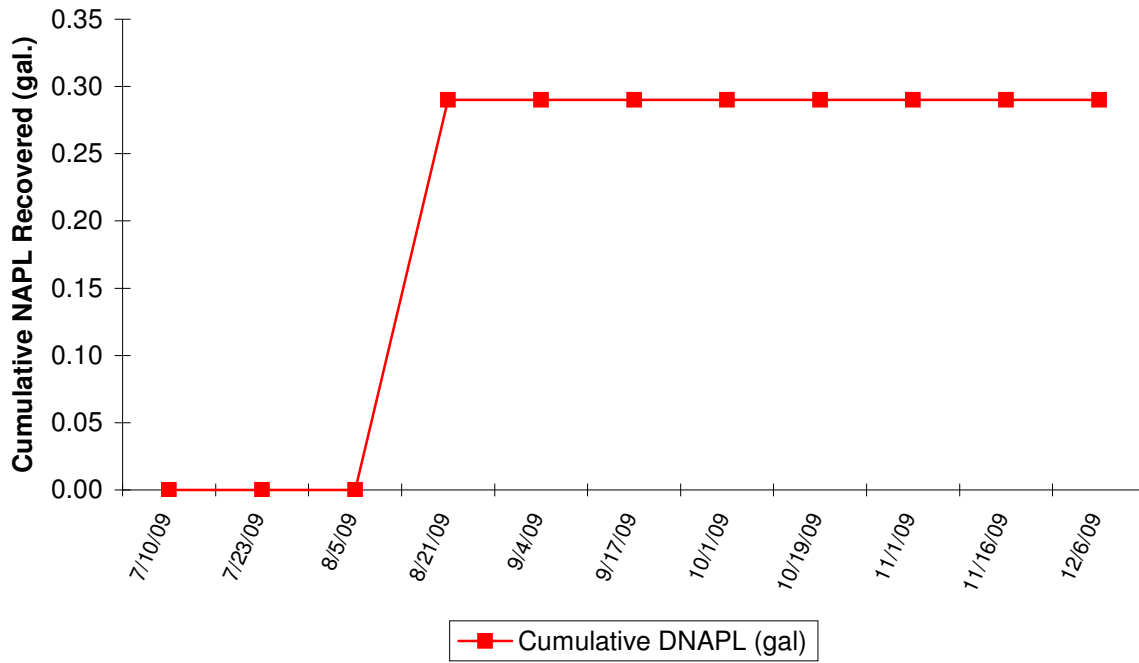


FIGURE 11X
Well IPR-20 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

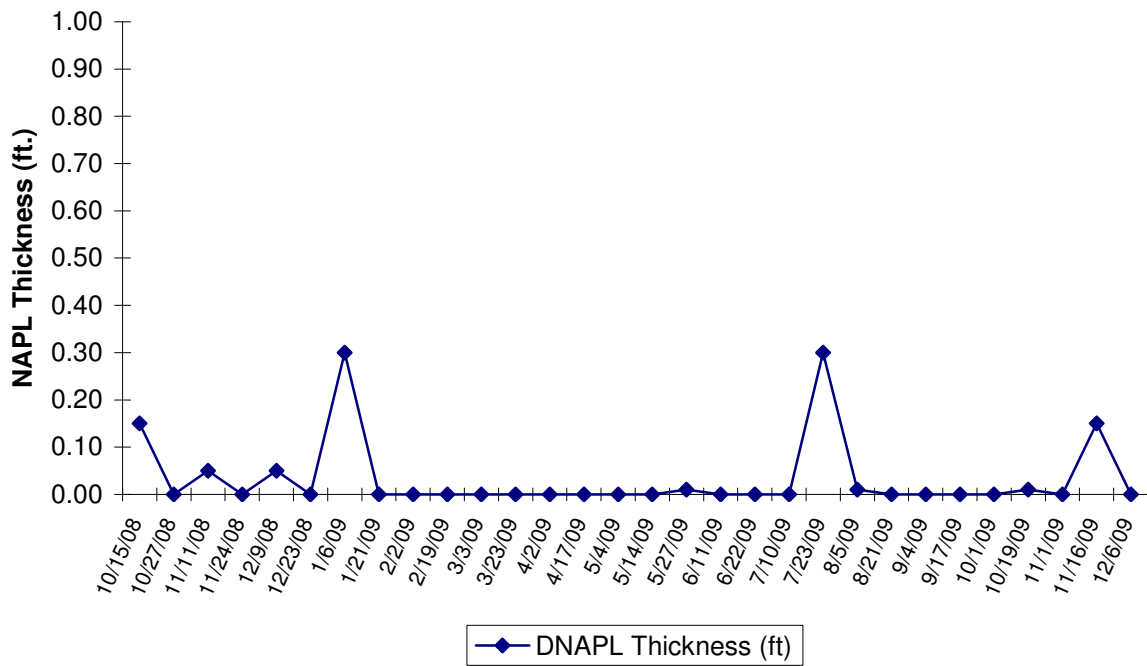
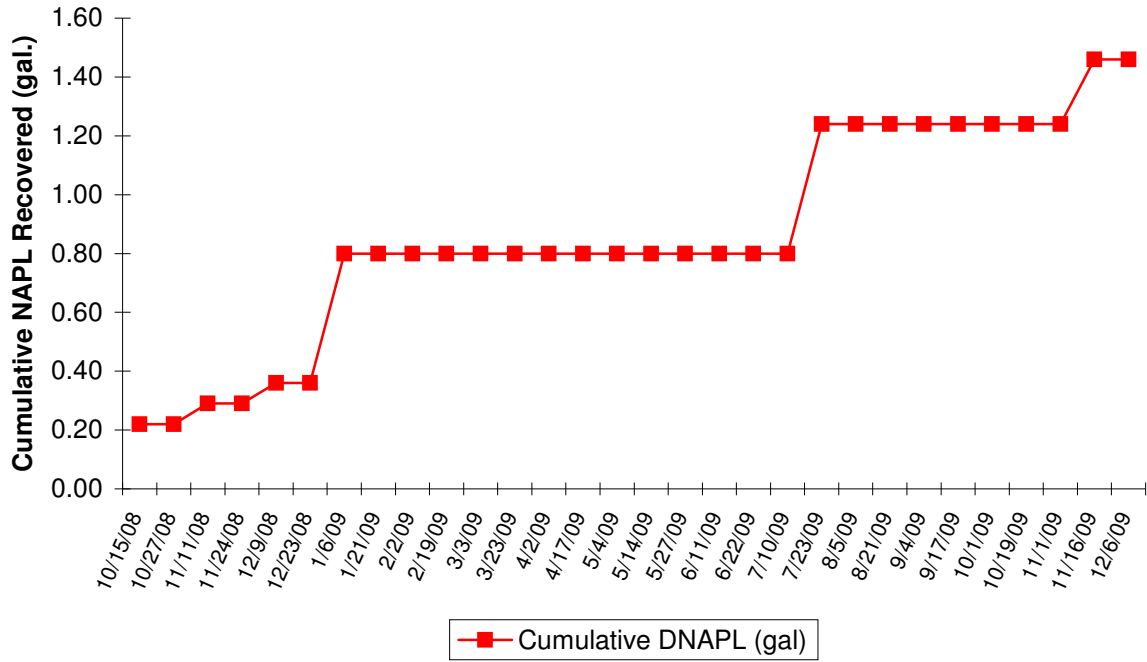


FIGURE 11Y
Well IPR-21 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

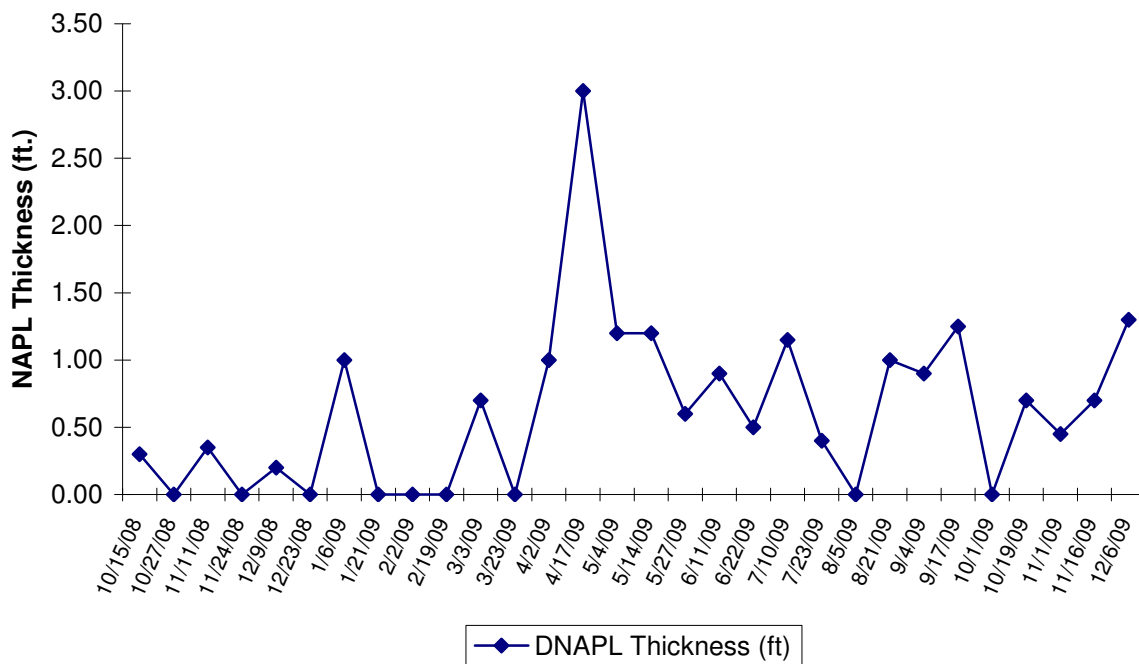
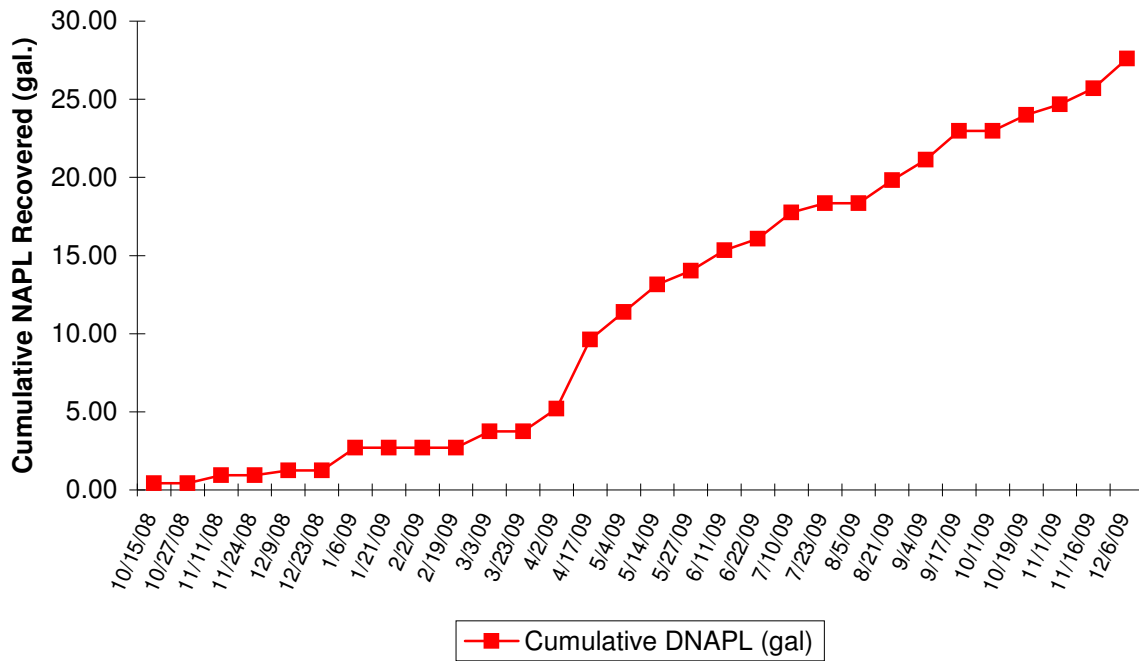


FIGURE 11Z
Well IPR-22 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

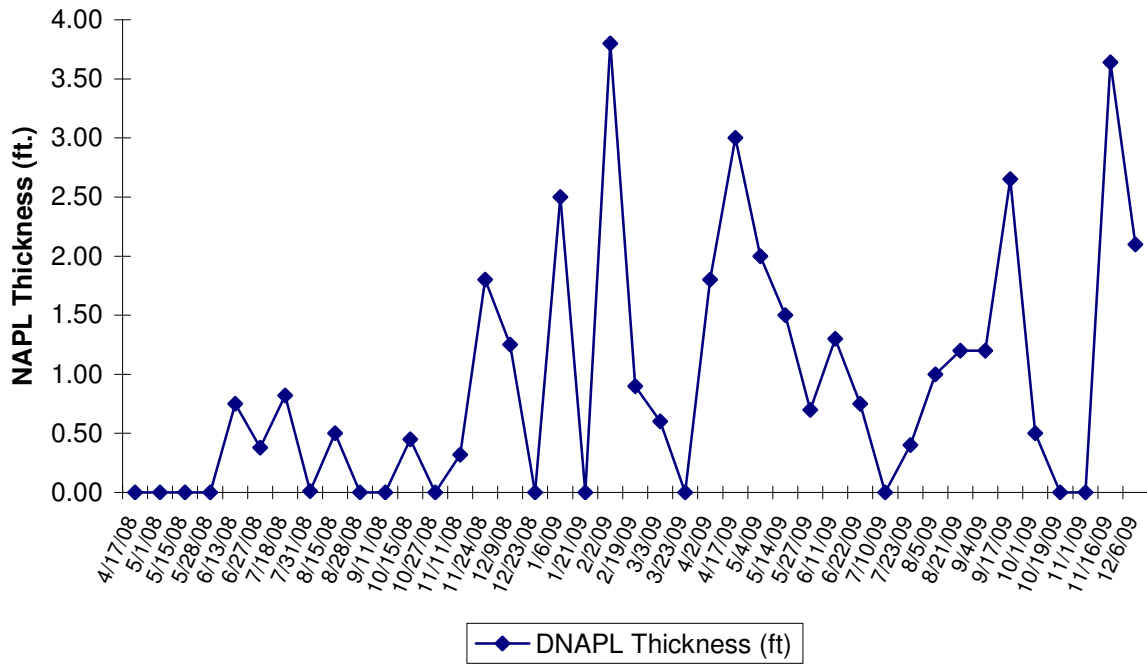
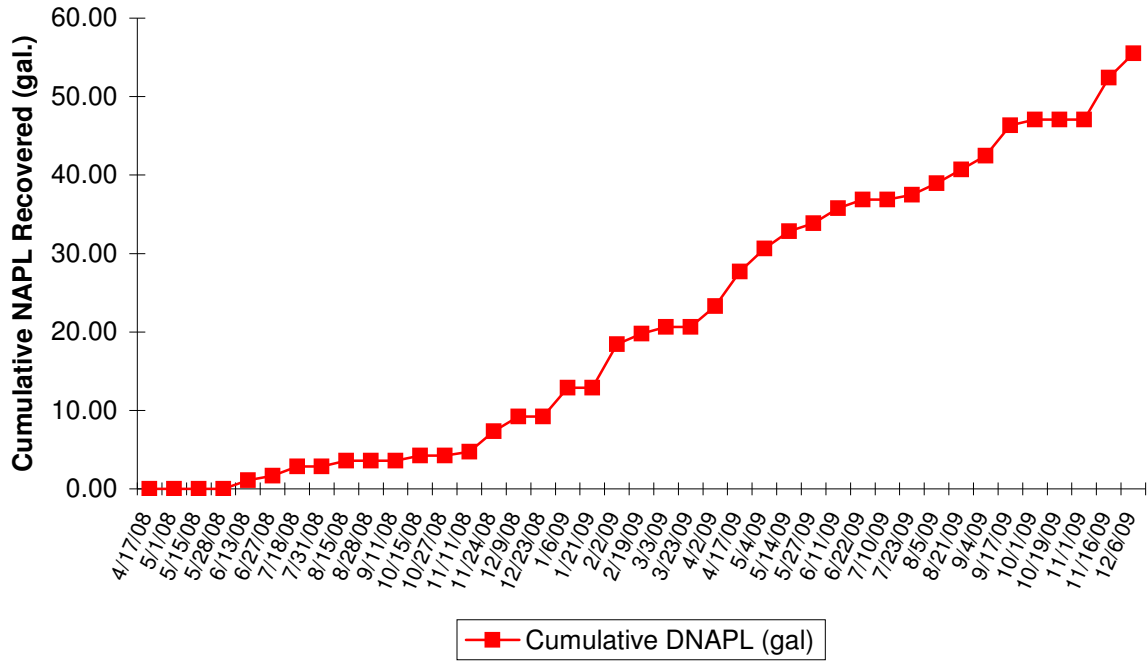


FIGURE 11AA
Well IPR-24 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

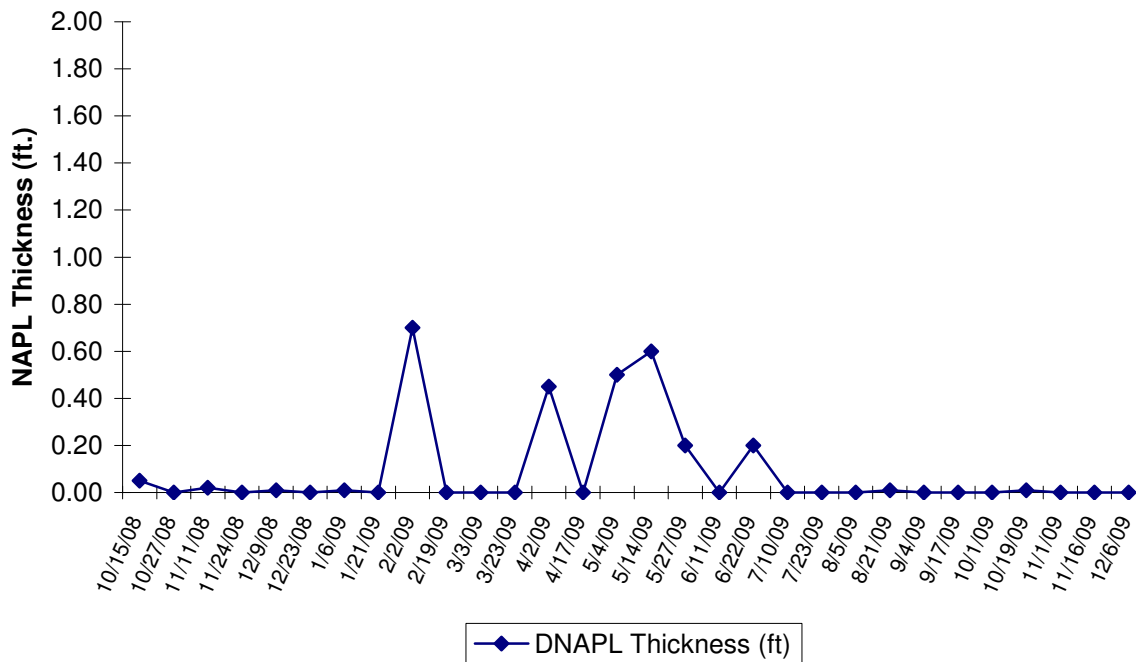
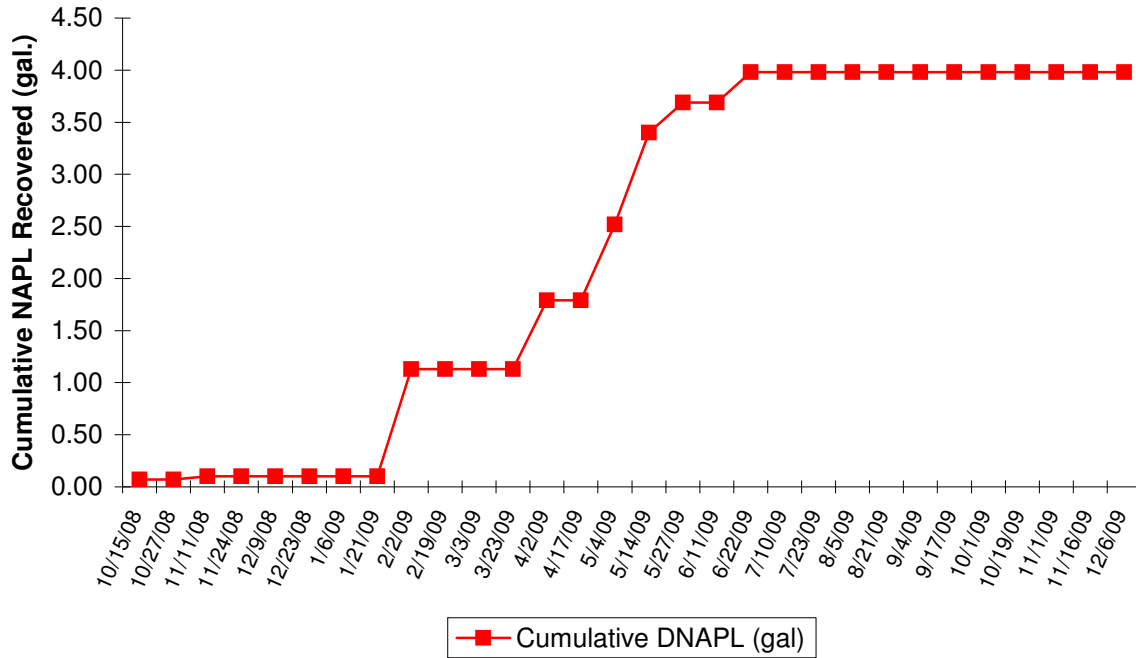


FIGURE 11AB
Well IPR-25 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

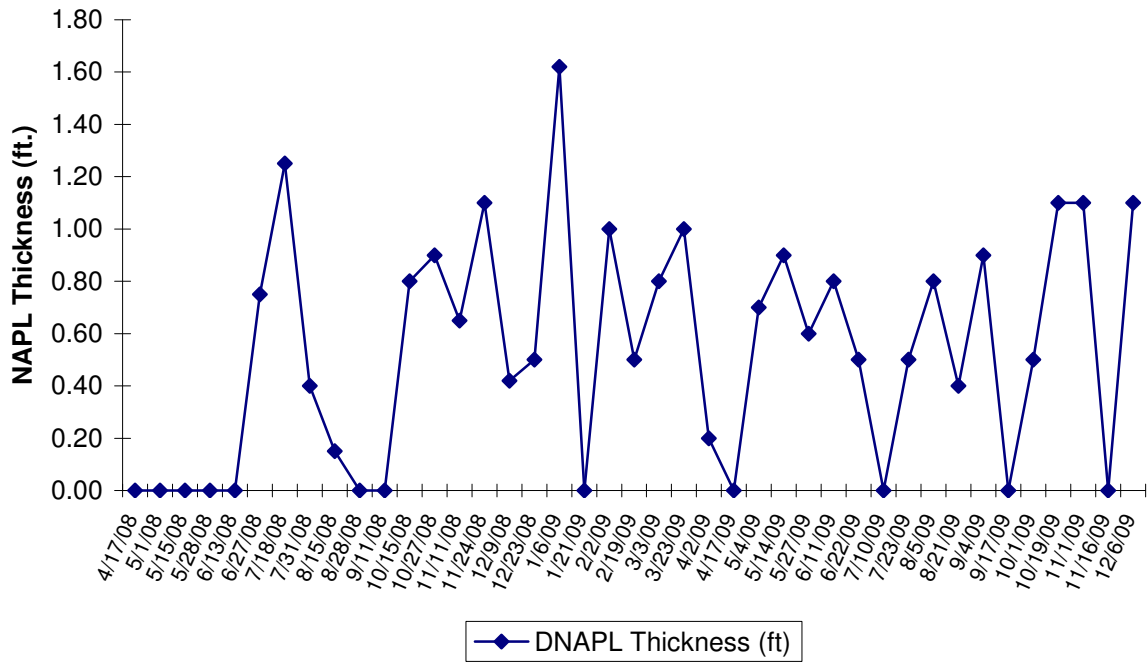
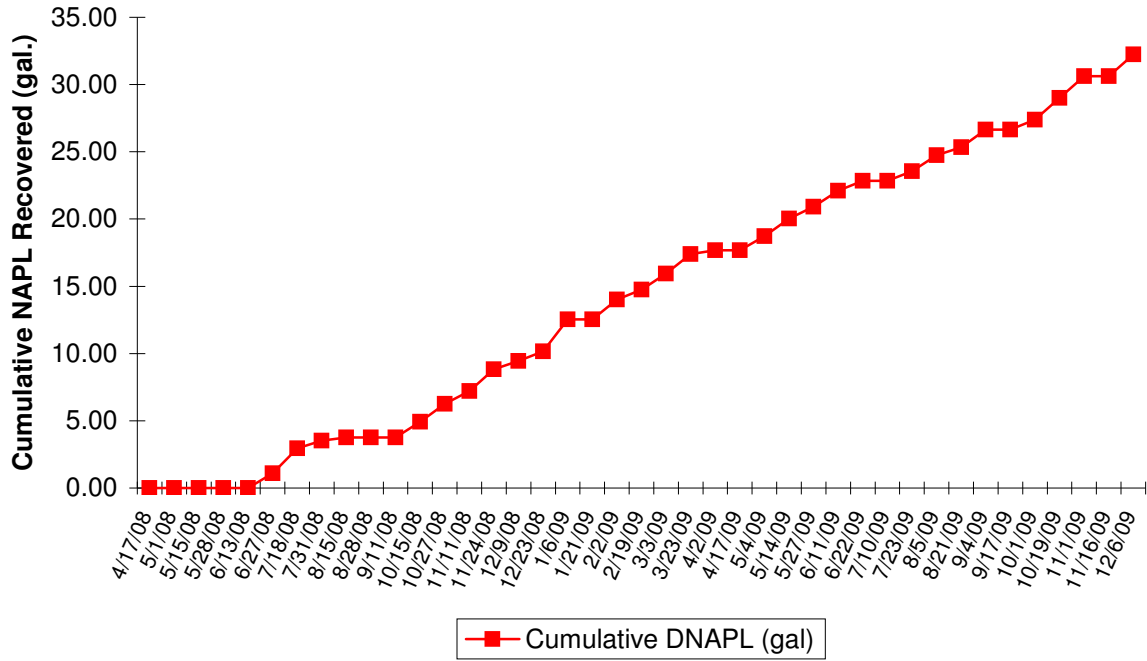


FIGURE 11AC
Well IPR-27 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

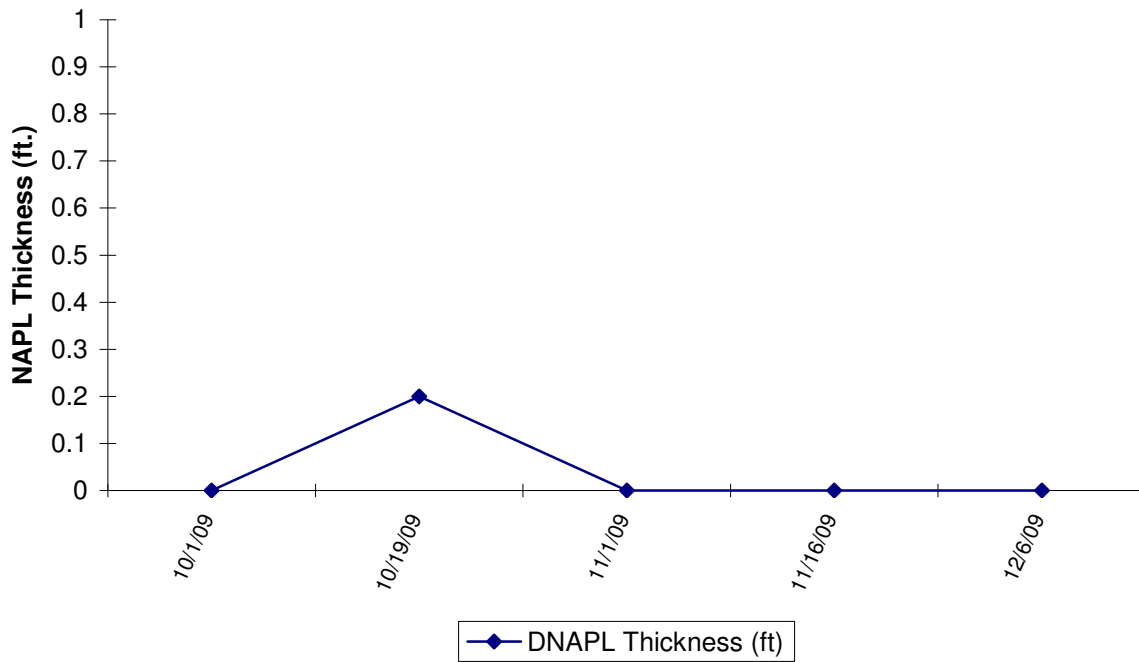
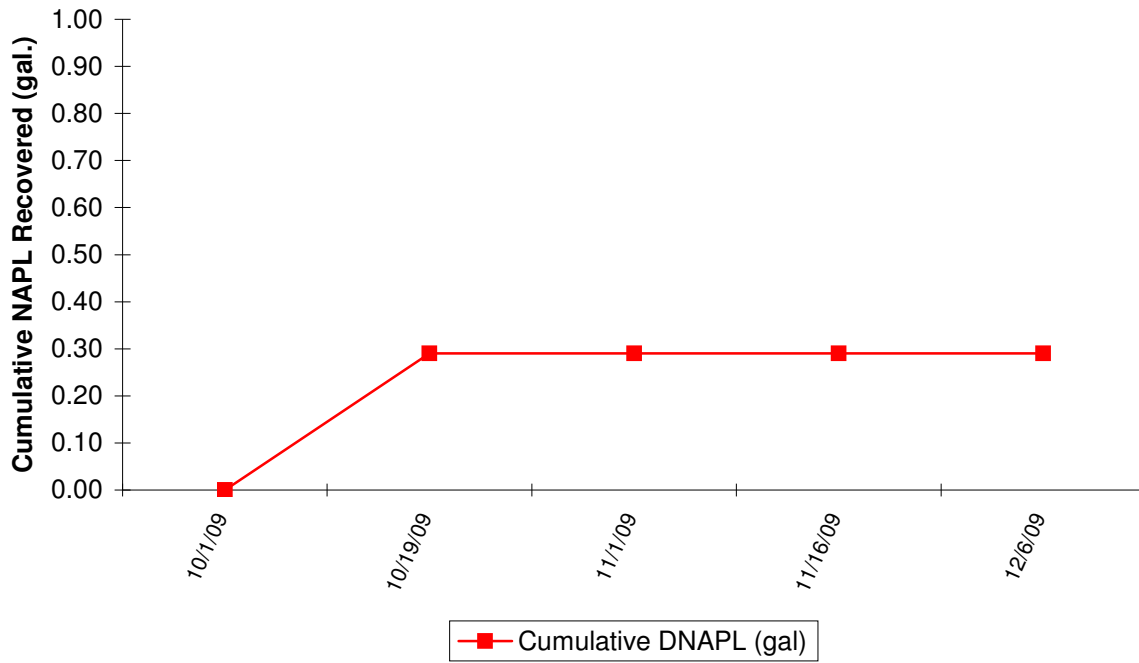
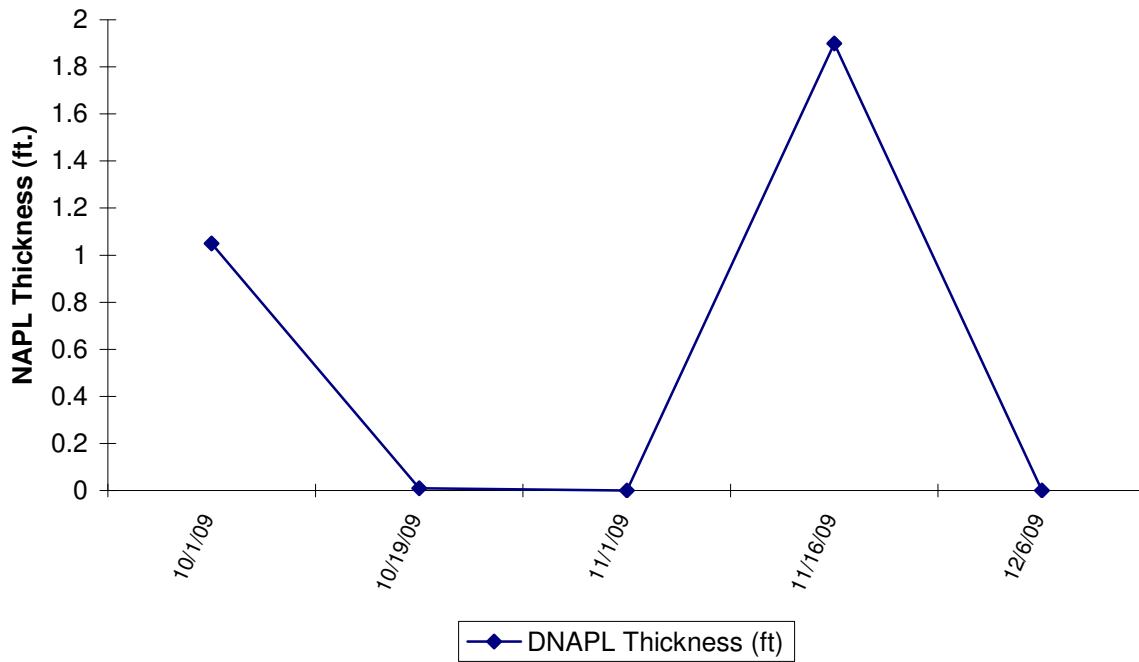
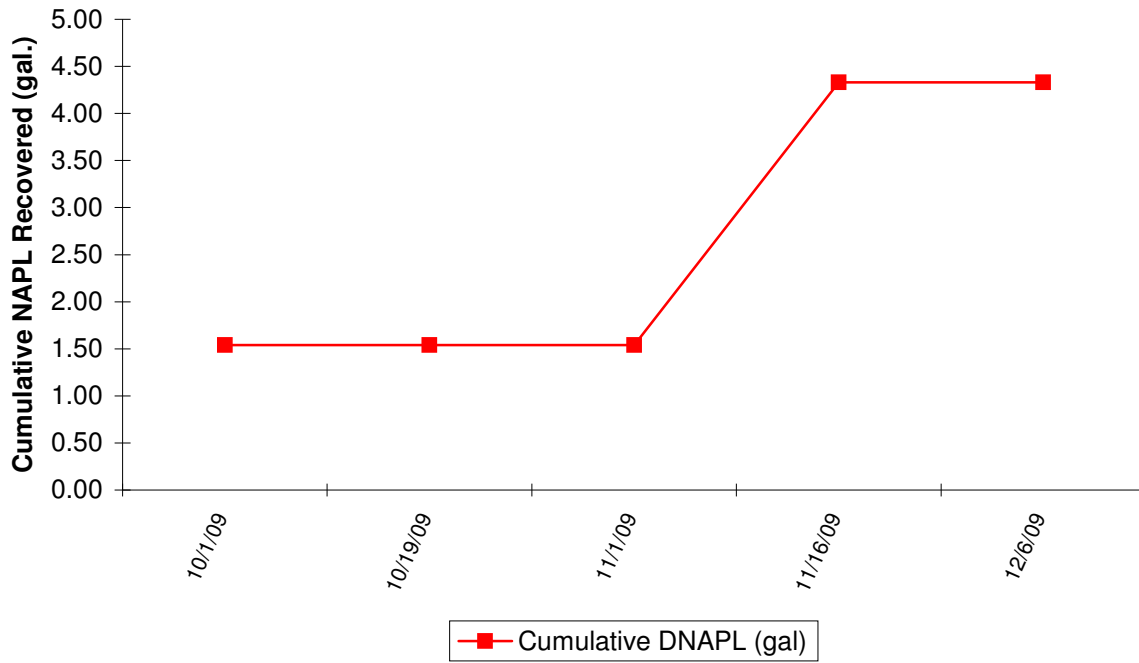


FIGURE 11AD
Well IPR-29 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



APPENDIX A

DATA USABILITY SUMMARY REPORT

(Provided in Electronic Format Only)

**ATTACHMENT A
DATA USABILITY SUMMARY REPORT
FOURTH QUARTER 2009**

**HEMPSTEAD INTERSECTION STREET FORMER MGP SITE
VILLAGES OF GARDEN CITY AND HEMPSTEAD
LONG ISLAND, NEW YORK**

**Analyses Performed by:
H2M LABORATORIES, INC.**

Prepared For:

**NATIONAL GRID
175 EAST OLD COUNTRY RD.
HICKSVILLE, NY 11801**

Prepared by:

**URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203**

JANUARY 2010

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V. NON-CONFORMANCES.....	A-3
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Table A-1	Validated Groundwater Sample Analytical Results
Table A-2	Validated Field QC Sample Analytical Results

APPENDICES (Following Tables)

Appendix A	Validated Form I's
Appendix B	Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for the Development of Data Usability Summary Reports*, December 2002.

Analytical data for twenty-one (21) groundwater samples, two (2) field duplicates, one (1) matrix spike/matrix spike duplicate (MS/MSD) pair, one (1) equipment rinsate blank, and three (3) trip blanks collected by URS personnel on October 6-13, 2009 are discussed in this DUSR. The samples were collected as part of the fourth quarter 2009 groundwater monitoring event at the Hempstead Intersection Street Former MGP Site.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

The samples were analyzed by H2M Laboratories, Inc. (Melville, NY) for the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) – USEPA Method SW8260B, and
- Polynuclear aromatic hydrocarbons (PAHs) – USEPA Method SW8270C.

A limited data validation was performed on the samples in accordance with the guidelines presented in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B, SOP HW-24, Rev. 2, October 2006*; and
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Rev. 3, October 2006*.

The limited data validation included a review of completeness of all required deliverables; holding times; quality control (QC) results (instrument tunes, calibration standards, blanks, matrix spike recoveries, field duplicate analyses, laboratory control sample recoveries, and surrogate/internal standard recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

No qualifications were applied to the data during the data validation process. The validated analytical results are presented in Tables A-1 and A-2. Copies of the validated laboratory results (i.e., Form I's) are presented in Appendix A. Documentation supporting the qualification of data, if necessary, is presented in Appendix B. Only problems affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), except for the following instance.

- The volatile organic compound (VOC) vials for the trip blank associated with groundwater samples HIMW-03D, HIMW-03I, HIMW-08D, HIMW-08I, and HIMW-08S contained headspace (i.e., 4 mm size bubble). Since USEPA SW-846 indicates that headspace less than 6 mm does not adversely affect VOC data, and the trip blank is not expected to exhibit BTEX contamination, no data qualification was necessary.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

There were no non-conformances requiring data qualification.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample size and dilution factors. BTEX and PAH results detected below the quantitation limits were qualified 'J' by the laboratory. The results reported from secondary dilution analyses were qualified 'D' by the laboratory.

Field duplicates were collected from monitoring well locations HIMW-12S and HIMW-14D. The analytical results show good field collection and laboratory analytical precision.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, and the data are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: Peter R. Fairbanks Date: 01/29/10
Peter R. Fairbanks, Senior Chemist

Reviewed By: Mary E. Bittka Date: 1/29/10
Mary E. Bittka, Principal Chemist

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

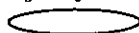
- U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D – The sample results are reported from a separate secondary dilution analysis.
- NJ – The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-003D	HIMW-003I	HIMW-003S	HIMW-005D	HIMW-005I
Sample ID			HIMW-003D	HIMW-003I	HIMW-003S	HIMW-005D	HIMW-005I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/13/09	10/13/09	10/09/09	10/11/09	10/11/09
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	1 U	1 U	1 U	1 U	2
Ethylbenzene	UG/L	-	1 U	1 U	1 U	3	1
Toluene	UG/L	-	1 U	1 U	1 U	39	2
Xylene (total)	UG/L	-	1 U	1 U	1 U	230	150
Total BTEX	UG/L	100	ND	ND	ND	272	155
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	170 DJ	490 DJ
Acenaphthene	UG/L	-	10 U	10 U	10 U	1 J	11
Acenaphthylene	UG/L	-	10 U	10 U	10 U	18	190 DJ
Anthracene	UG/L	-	10 U	10 U	10 U	10 U	2 J
Benzo(a)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	-	10 U	10 U	10 U	10 U	23
Indeno(1,2,3-cd)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	-	10 U	10 U	10 U	1,400 D	2,100 D
Phenanthrene	UG/L	-	10 U	10 U	10 U	10 U	18
Pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	ND	ND	ND	1,589	2,834

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By _PRF 11/17/09_ Checked By *[Signature]* 11/17/09

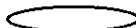
Detection Limits shown are PQL

**TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**

Location ID			HIMW-005S	HIMW-008D	HIMW-008I	HIMW-008S	HIMW-012D
Sample ID			HIMW-005S	HIMW-008D	HIMW-008I	HIMW-008S	HIMW-012D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/11/09	10/12/09	10/13/09	10/12/09	10/08/09
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	UG/L	-	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	-	1 U	1	1 U	1 U	1
Xylene (total)	UG/L	-	1 U	1 U	1 U	1 U	1 U
Total BTEX	UG/L	100	ND	1	ND	ND	1
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	-	2 J	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	2	ND	ND	ND	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 11/17/09; Checked By OLW 11/17/09

Detection Limits shown are PQL

**TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**

Location ID			HIMW-012I	HIMW-012S	HIMW-012S	HIMW-013D	HIMW-013I
Sample ID			HIMW-012I	DUP-100909	HIMW-012S	HIMW-013D	HIMW-013I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/09/09	10/09/09	10/09/09	10/07/09	10/07/09
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Benzene	UG/L	-	36	1 U	1 U	4	73
Ethylbenzene	UG/L	-	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	-	1 U	1 U	1 U	1 U	1
Xylene (total)	UG/L	-	8	1 U	1 U	4	8
Total BTEX	UG/L	100	44	ND	ND	8	82
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	-	36	10 U	10 U	5 J	7 J
Acenaphthylene	UG/L	-	48	10 U	10 U	12	56
Anthracene	UG/L	-	1 J	10 U	10 U	10 U	1 J
Benzo(a)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	-	25	10 U	10 U	10 U	12
Indeno(1,2,3-cd)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	-	3 J	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	-	9 J	10 U	10 U	10 U	12
Pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	122	ND	ND	17	88

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.


Flags assigned during chemistry validation are shown.

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D - Result reported from a secondary dilution analysis.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 11/17/09; Checked By:  11/17/09

Detection Limits shown are PQL

**TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**

Location ID			HIMW-013S	HIMW-014D	HIMW-014D	HIMW-014I	HIMW-015D
Sample ID			HIMW-013S	DUP-100609	HIMW-014D	HIMW-014I	HIMW-015D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/08/09	10/06/09	10/06/09	10/07/09	10/06/09
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Benzene	UG/L	-	1 U	1 U	1 U	42	1 U
Ethylbenzene	UG/L	-	1 U	1 U	1 U	1	1 U
Toluene	UG/L	-	1 U	1	2	1 U	1 U
Xylene (total)	UG/L	-	1 U	1 U	1 U	3	1 U
Total BTEX	UG/L	100	ND	1	2	46	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	-	10 U	10 U	10 U	10	10 U
Acenaphthylene	UG/L	-	10 U	10 U	10 U	16	10 U
Anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	-	10 U	10 U	10 U	6 J	10 U
Indeno(1,2,3-cd)pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	-	10 U	10 U	10 U	5 J	10 U
Pyrene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	ND	ND	ND	37	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 11/17/09; Checked By *[Signature]* 11/17/09

Detection Limits shown are PQL

**TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**

Location ID			HIMW-015I	HIMW-020I	HIMW-020S
Sample ID			HIMW-015I	HIMW-020I	HIMW-020S
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			10/06/09	10/08/09	10/08/09
Parameter	Units	Criteria*			
Volatile Organic Compounds					
Benzene	UG/L	-	14	180	1 U
Ethylbenzene	UG/L	-	1 U	5	1 U
Toluene	UG/L	-	1 U	1 U	1 U
Xylene (total)	UG/L	-	1	21	1 U
Total BTEX	UG/L	100	15	206	ND
Semivolatile Organic Compounds					
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U
Acenaphthene	UG/L	-	4 J	10	10 U
Acenaphthylene	UG/L	-	17	120 D	10 U
Anthracene	UG/L	-	10 U	3 J	10 U
Benzo(a)anthracene	UG/L	-	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	-	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	-	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	-	10 U	10 U	10 U
Chrysene	UG/L	-	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U
Fluoranthene	UG/L	-	10 U	10 U	10 U
Fluorene	UG/L	-	10 U	20	10 U
Indeno(1,2,3-cd)pyrene	UG/L	-	10 U	10 U	10 U
Naphthalene	UG/L	-	10 U	6 J	10 U
Phenanthrene	UG/L	-	2 J	30	10 U
Pyrene	UG/L	-	10 U	10 U	10 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	23	189	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 11/17/09; Checked By *DLK* 11/17/09

Detection Limits shown are PQL

**TABLE A-2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**

Location ID			FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID			TB-100809	TB-100909	FB-101309	TB-101309
Matrix			Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)			-	-	-	-
Date Sampled			10/06/09	10/09/09	10/13/09	10/13/09
Parameter	Units	Criteria*	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds						
Benzene	UG/L	-	1 U	1 U	1 U	1 U
Ethylbenzene	UG/L	-	1 U	1 U	1 U	1 U
Toluene	UG/L	-	1 U	1 U	1 U	1 U
Xylene (total)	UG/L	-	1 U	1 U	1 U	1 U
Total BTEX	UG/L	100	ND	ND	ND	ND
Semivolatile Organic Compounds						
2-Methylnaphthalene	UG/L	-	NA	NA	10 U	NA
Acenaphthene	UG/L	-	NA	NA	10 U	NA
Acenaphthylene	UG/L	-	NA	NA	10 U	NA
Anthracene	UG/L	-	NA	NA	10 U	NA
Benzo(a)anthracene	UG/L	-	NA	NA	10 U	NA
Benzo(a)pyrene	UG/L	-	NA	NA	10 U	NA
Benzo(b)fluoranthene	UG/L	-	NA	NA	10 U	NA
Benzo(g,h,i)perylene	UG/L	-	NA	NA	10 U	NA
Benzo(k)fluoranthene	UG/L	-	NA	NA	10 U	NA
Chrysene	UG/L	-	NA	NA	10 U	NA
Dibenz(a,h)anthracene	UG/L	-	NA	NA	10 U	NA
Fluoranthene	UG/L	-	NA	NA	10 U	NA
Fluorene	UG/L	-	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	-	NA	NA	10 U	NA
Naphthalene	UG/L	-	NA	NA	10 U	NA
Phenanthrene	UG/L	-	NA	NA	10 U	NA
Pyrene	UG/L	-	NA	NA	10 U	NA
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	NA	NA	ND	NA

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit.

NA - The sample was not analyzed for this parameter.

ND - Not detected.

Made By_PRF 11/17/09; Checked By  11/17/09

Detection Limits shown are PQL

APPENDIX A
VALIDATED FORM I'S

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0910959-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66858.D

Level: (low/med) LOW Date Received: 10/07/09

% Moisture: not dec. Date Analyzed: 10/13/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	4	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	4	

KEY-URS083 S28

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13I

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0910959-002A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66859.D
 Level: (low/med) LOW Date Received: 10/07/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	73	
108-88-3	Toluene	1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	8	

KEY-URS083 S29

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0910959-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66860.D

Level: (low/med) LOW Date Received: 10/07/09

% Moisture: not dec. Date Analyzed: 10/13/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	2	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14I

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0910959-004A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66861.D
 Level: (low/med) LOW Date Received: 10/07/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	42	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	
1330-20-7	Xylene (total)	3	

KEY-URS083 S31

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-15D

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0910959-005A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66862.D
 Level: (low/med) LOW Date Received: 10/07/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S32

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-15I

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0910959-006A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66863.D
 Level: (low/med) LOW Date Received: 10/07/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	14	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	

KEY-URS083 S33

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-100609

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0910959-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66864.D

Level: (low/med) LOW Date Received: 10/07/09

% Moisture: not dec. Date Analyzed: 10/13/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S34

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-100609

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0910959-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66865.D

Level: (low/med) LOW Date Received: 10/07/09

% Moisture: not dec. Date Analyzed: 10/13/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S35

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03S

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911043-001A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66866.D
 Level: (low/med) LOW Date Received: 10/09/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S36

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0911043-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66867.D

Level: (low/med) LOW Date Received: 10/09/09

% Moisture: not dec. Date Analyzed: 10/13/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12I

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911043-003A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66868.D
 Level: (low/med) LOW Date Received: 10/09/09
 % Moisture: not dec. Date Analyzed: 10/13/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	36	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	8	

KEY-URS083 S38

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-128

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water)

WATER

Lab Sample ID: 0911043-004A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: A\A66894.D

Level: (low/med)

LOW

Date Received: 10/09/09

% Moisture: not dec.

Date Analyzed: 10/15/09

GC Column: ZB-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13S

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911043-005A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66895.D
 Level: (low/med) LOW Date Received: 10/09/09
 % Moisture: not dec. Date Analyzed: 10/15/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S40

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-201

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS083

Matrix: (soil/water)

WATERLab Sample ID: 0911043-006ASample wt/vol: 5(g/mL) MLLab File ID: A\A66896.D

Level: (low/med)

LOWDate Received: 10/09/09

% Moisture: not dec.

Date Analyzed: 10/15/09GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	180	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	5	
1330-20-7	Xylene (total)	21	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-208

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911043-007A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66898.D
 Level: (low/med) LOW Date Received: 10/09/09
 % Moisture: not dec. Date Analyzed: 10/15/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S42

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-100909

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0911043-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66899.D

Level: (low/med) LOW Date Received: 10/09/09

% Moisture: not dec. Date Analyzed: 10/15/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S43

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-100909

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911043-009A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66900.D
 Level: (low/med) LOW Date Received: 10/09/09
 % Moisture: not dec. Date Analyzed: 10/15/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S44

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05D

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911131-001A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66918.D
 Level: (low/med) LOW Date Received: 10/13/09
 % Moisture: not dec. Date Analyzed: 10/16/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L
71-43-2	Benzene	1	U
108-88-3	Toluene	39	
100-41-4	Ethylbenzene	3	
1330-20-7	Xylene (total)	230	

KEY-URS083 S45

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water)

WATER

Lab Sample ID:

0911131-002A

Sample wt/vol: 5

(g/mL) ML

Lab File ID:

A\A66921.D

Level: (low/med)

LOW

Date Received:

10/13/09

% Moisture: not dec.

Date Analyzed:

10/16/09

GC Column: ZB-624

ID: .18 (mm)

Dilution Factor:

1.00

Soil Extract Volume: _____

(μ L)

Soil Aliquot Volume _____

(μ L)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	2	
108-88-3	Toluene	2	
100-41-4	Ethylbenzene	1	
1330-20-7	Xylene (total)	150	

KEY-URS083 S46

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-05S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0911131-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66920.D

Level: (low/med) LOW Date Received: 10/13/09

% Moisture: not dec. Date Analyzed: 10/16/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S47

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-101309

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083
 Matrix: (soil/water) WATER Lab Sample ID: 0911131-004A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66922.D
 Level: (low/med) LOW Date Received: 10/13/09
 % Moisture: not dec. Date Analyzed: 10/16/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS083 S48

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-13D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49692.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/14/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	12		
83-32-9	Acenaphthene	5		J
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo(b)fluoranthene	10		U
207-08-9	Benzo(k)fluoranthene	10		U
50-32-8	Benzo(a)pyrene	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	10		U
53-70-3	Dibenzo(a,h)anthracene	10		U
191-24-2	Benzo(g,h,i)perylene	10		U

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-13I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49693.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/14/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/L</u>	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	56	
83-32-9	Acenaphthene	7	J
86-73-7	Fluorene	12	
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0910959-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49694.D

Level: (low/med) LOW

Date Received: 10/07/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/08/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/14/09

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10		U
53-70-3	Dibenzo (a, h) anthracene	10		U
191-24-2	Benzo (g, h, i) perylene	10		U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-141

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49741.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/L</u>	<u>Q</u>
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	16	
83-32-9	Acenaphthene	10	
86-73-7	Fluorene	6	J
85-01-8	Phenanthrene	5	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-15D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-005BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49742.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a, h) anthracene	10		U
191-24-2	Benzo (g, h, i) perylene	10		U

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-151

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-006BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49743.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	17		
83-32-9	Acenaphthene	4		J
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	2		J
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a,h) anthracene	10		U
191-24-2	Benzo (g,h,i) perylene	10		U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-100609

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0910959-007BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49744.DLevel: (low/med) LOWDate Received: 10/07/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/08/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	<u>UG/L</u>	Q
91-20-3	Napthalene	10		U
91-57-6	2-Methylnapthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a, h) anthracene	10		U
191-24-2	Benzo (g, h, i) perylene	10		U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-038

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911043-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49745.DLevel: (low/med) LOWDate Received: 10/09/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/13/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo(b)fluoranthene	10		U
207-08-9	Benzo(k)fluoranthene	10		U
50-32-8	Benzo(a)pyrene	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	10		U
53-70-3	Dibenzo(a,h)anthracene	10		U
191-24-2	Benzo(g,h,i)perylene	10		U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911043-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49746.DLevel: (low/med) LOWDate Received: 10/09/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/13/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/15/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo(b)fluoranthene	10		U
207-08-9	Benzo(k)fluoranthene	10		U
50-32-8	Benzo(a)pyrene	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	10		U
53-70-3	Dibenzo(a,h)anthracene	10		U
191-24-2	Benzo(g,h,i)perylene	10		U

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911043-003BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49756.DLevel: (low/med) LOWDate Received: 10/09/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/13/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/16/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	3		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	48		
83-32-9	Acenaphthene	36		
86-73-7	Fluorene	25		
85-01-8	Phenanthrene	9		J
120-12-7	Anthracene	1		J
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a, h) anthracene	10		U
191-24-2	Benzo (g, h, i) perylene	10		U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911043-004E

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49788.D

Level: (low/med) LOW

Date Received: 10/09/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/13/09

Concentrated Extract Volume: 1000 (μ L)

Date Analyzed: 10/18/09

Injection Volume: 2 (μ L)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911043-005BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49789.DLevel: (low/med) LOWDate Received: 10/09/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/13/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/18/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U
191-24-2	Benzo (g,h,i) perylene	10	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-201

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911043-006B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49761.D

Level: (low/med) LOW

Date Received: 10/09/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/13/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/16/09

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	6		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	120 110		B D
83-32-9	Acenaphthene	10		
86-73-7	Fluorene	20		
85-01-8	Phenanthrene	30		
120-12-7	Anthracene	3		J
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a,h) anthracene	10		U
191-24-2	Benzo (g,h,i) perylene	10		U

(1) Cannot be separated from Diphenylamine

11/17/09

2

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20IDL

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911043-006BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49796.D

Level: (low/med) LOW

Date Received: 10/09/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/13/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/18/09

Injection Volume: 2 (µL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	6		DJ
91-57-6	2-Methylnaphthalene	50		U
208-96-8	Acenaphthylene	120		D
83-32-9	Acenaphthene	11		DJ
86-73-7	Fluorene	23		DJ
85-01-8	Phenanthrene	35		DJ
120-12-7	Anthracene	50		U
206-44-0	Fluoranthene	50		U
129-00-0	Pyrene	50		U
56-55-3	Benzo (a) anthracene	50		U
218-01-9	Chrysene	50		U
205-99-2	Benzo (b) fluoranthene	50		U
207-08-9	Benzo (k) fluoranthene	50		U
50-32-8	Benzo (a) pyrene	50		U
193-39-5	Indeno (1,2,3-cd) pyrene	50		U
53-70-3	Dibenzo (a, h) anthracene	50		U
191-24-2	Benzo (g, h, i) perylene	50		U

(1) Cannot be separated from Diphenylamine

4/17/09

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911043-007BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49790.DLevel: (low/med) LOWDate Received: 10/09/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/13/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/18/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10		U
53-70-3	Dibenzo (a, h) anthracene	10		U
191-24-2	Benzo (g, h, i) perylene	10		U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-100909

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS083

Matrix: (soil/water) WATER Lab Sample ID: 0911043-008B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C49763.D

Level: (low/med) LOW Date Received: 10/09/09

% Moisture: Decanted: (Y/N) N Date Extracted: 10/13/09

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/16/09

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	10		U
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a,h) anthracene	10		U
191-24-2	Benzo (g,h,i) perylene	10		U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911131-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49765.D

Level: (low/med) LOW

Date Received: 10/13/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/14/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/16/09

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
91-20-3	Naphthalene	1400 910	ED
91-57-6	2-Methylnaphthalene	170 160	ED
208-96-8	Acenaphthylene	18	
83-32-9	Acenaphthene	1	J
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U
191-24-2	Benzo (g,h,i) perylene	10	U

(1) Cannot be separated from Diphenylamine

11/17/09
3

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05DDL

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911131-001BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49797.D

Level: (low/med) LOW

Date Received: 10/13/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/14/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/18/09

Injection Volume: 2 (µL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	1400		D
91-57-6	2-Methylnaphthalene	170		DJ
208-96-8	Acenaphthylene	200		U
83-32-9	Acenaphthene	200		U
86-73-7	Fluorene	200		U
85-01-8	Phenanthrene	200		U
120-12-7	Anthracene	200		U
206-44-0	Fluoranthene	200		U
129-00-0	Pyrene	200		U
56-55-3	Benzo (a) anthracene	200		U
218-01-9	Chrysene	200		U
205-99-2	Benzo (b) fluoranthene	200		U
207-08-9	Benzo (k) fluoranthene	200		U
50-32-8	Benzo (a) pyrene	200		U
193-39-5	Indeno (1,2,3-cd) pyrene	200		U
53-70-3	Dibenzo (a, h) anthracene	200		U
191-24-2	Benzo (g, h, i) perylene	200		U

(1) Cannot be separated from Diphenylamine

11/2/09
2

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911131-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49766.D

Level: (low/med) LOW

Date Received: 10/13/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/14/09

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 10/16/09

Injection Volume: 2 (μL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg)	UG/L	Q
91-20-3	Naphthalene	2100 -1300		ED
91-57-6	2-Methylnaphthalene	490 400		ED
208-96-8	Acenaphthylene	190 160		ED
83-32-9	Acenaphthene	11		
86-73-7	Fluorene	23		
85-01-8	Phenanthrene	18		
120-12-7	Anthracene	2		J
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
56-55-3	Benzo (a) anthracene	10		U
218-01-9	Chrysene	10		U
205-99-2	Benzo (b) fluoranthene	10		U
207-08-9	Benzo (k) fluoranthene	10		U
50-32-8	Benzo (a) pyrene	10		U
193-39-5	Indeno (1,2,3-cd) pyrene	10		U
53-70-3	Dibenzo (a,h) anthracene	10		U
191-24-2	Benzo (g,h,i) perylene	10		U

(1) Cannot be separated from Diphenylamine

11/17/09
R

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05IDL

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911131-002BDLSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49798.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/18/09Injection Volume: 2 (μ L)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(μ g/L or μ g/Kg)	UG/L Q
91-20-3	Naphthalene	2100	D
91-57-6	2-Methylnaphthalene	490	DJ
208-96-8	Acenaphthylene	190	DJ
83-32-9	Acenaphthene	500	U
86-73-7	Fluorene	500	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
206-44-0	Fluoranthene	500	U
129-00-0	Pyrene	500	U
56-55-3	Benzo (a) anthracene	500	U
218-01-9	Chrysene	500	U
205-99-2	Benzo (b) fluoranthene	500	U
207-08-9	Benzo (k) fluoranthene	500	U
50-32-8	Benzo (a) pyrene	500	U
193-39-5	Indeno (1,2,3-cd) pyrene	500	U
53-70-3	Dibenzo (a, h) anthracene	500	U
191-24-2	Benzo (g, h, i) perylene	500	U

(1) Cannot be separated from Diphenylamine

11/17/09
2

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083

Matrix: (soil/water) WATER

Lab Sample ID: 0911131-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49791.D

Level: (low/med) LOW

Date Received: 10/13/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/14/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/18/09

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	2	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-101309

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS083Matrix: (soil/water) WATERLab Sample ID: 0911131-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49792.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/18/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(μ g/L or μ g/Kg)	UG/L Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS084

Matrix: (soil/water)

WATERLab Sample ID: 0911132-001ASample wt/vol: 5(g/mL) MLLab File ID: A\A66925.D

Level: (low/med)

LOWDate Received: 10/13/09

% Moisture: not dec.

Date Analyzed: 10/16/09GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-03I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS084

Matrix: (soil/water)

WATERLab Sample ID: 0911132-002ASample wt/vol: 5(g/mL) MLLab File ID: A\A66926.D

Level: (low/med)

LOWDate Received: 10/13/09

% Moisture: not dec.

Date Analyzed: 10/16/09GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08D

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS084
 Matrix: (soil/water) WATER Lab Sample ID: 0911132-003A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66927.D
 Level: (low/med) LOW Date Received: 10/13/09
 % Moisture: not dec. Date Analyzed: 10/16/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS084 S18

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-08I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS084

Matrix: (soil/water)

WATERLab Sample ID: 0911132-004ASample wt/vol: 5(g/mL) MLLab File ID: A\A66928.D

Level: (low/med)

LOWDate Received: 10/13/09

% Moisture: not dec.

Date Analyzed: 10/16/09GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-085

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS084
 Matrix: (soil/water) WATER Lab Sample ID: 0911132-005A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66929.D
 Level: (low/med) LOW Date Received: 10/13/09
 % Moisture: not dec. Date Analyzed: 10/16/09
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(µg/L or µg/Kg)	UG/L Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS084 S20

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-101309

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS084

Matrix: (soil/water) WATER Lab Sample ID: 0911132-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A66924.D

Level: (low/med) LOW Date Received: 10/13/09

% Moisture: not dec. Date Analyzed: 10/16/09

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS084 S21

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS084

Matrix: (soil/water) WATER

Lab Sample ID: 0911132-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C49793.D

Level: (Low/med) LOW

Date Received: 10/13/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/14/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/18/09

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS084Matrix: (soil/water) WATERLab Sample ID: 0911132-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49794.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/18/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/kg) <u>UG/L</u>	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS084Matrix: (soil/water) WATERLab Sample ID: 0911132-003BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49771.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/17/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U
191-24-2	Benzo (g,h,i) perylene	10	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS084Matrix: (soil/water) WATERLab Sample ID: 0911132-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49795.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/19/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) <u>UG/L</u>	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS084Matrix: (soil/water) WATERLab Sample ID: 0911132-005BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C49773.DLevel: (low/med) LOWDate Received: 10/13/09% Moisture: Decanted: (Y/N) NDate Extracted: 10/14/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 10/17/09Injection Volume: 2 (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) Cannot be separated from Diphenylamine

APPENDIX B

SUPPORT DOCUMENTATION

H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 10/7/09, 10/9/09 & 10/13/09
SDG #: KEY-URS083**

For Sample(s):

HIMW-13D	HIMW-03S	TB-100909
HIMW-13I	HIMW-12D	HIMW-05D
HIMW-14D	HIMW-12I	HIMW-05I
HIMW-14I	HIMW-12S	HIMW-05S
HIMW-15D	HIMW-13S	FB-101309
HIMW-15I	HIMW-20I	FB-101309
DUP-100609	HIMW-20S	
TB-100609	DUP-100909	

11/16/09

The above water sample(s) was/were analyzed for a select list of volatile organic analytes (BTEX) by EPA method 8260B.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis.

Sample HIMW-13S was analyzed as the matrix spike/ matrix spike duplicate (MS/MSD).

All percent recoveries for the lab fortified blanks (LFB) and recoveries and RPDs for the MS and MSD were within Q. C. limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 4, 2009

* *Nicole R. Crespi* *

Nicole R. Crespi
Quality Assurance Manager

KEY-URS083 S22

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLE RECEIVED: 10/7/09, 10/9/09 & 10/13/09
SDG #: KEY-URS083

For Sample(s):

HIMW-13D	HIMW-15I	HIMW-12S	HIMW-05D
HIMW-13I	DUP-100609	HIMW-13S	HIMW-05I
HIMW-14D	HIMW-03S	HIMW-20I	HIMW-05S
HIMW-14I	HIMW-12D	HIMW-20S	FB-101309
HIMW-15D	HIMW-12I	DUP-100909	

The above sample(s) was/were analyzed for a select list of semivolatile organic analytes (polynuclear aromatics) by EPA method 8270C.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No matrix/matrix spike duplicate was submitted. Lab fortified blanks were analyzed and indicates good method efficiency.

Samples HIMW-20I, HIMW-05D and HIMW-05I were reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. The surrogate standards were diluted out in the dilution of sample HIMW-05I. Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 27, 2009

*  *
* *

Joann M. Slavin
Senior Vice President

KEY-URS083 S23

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
 Tel: (631) 694-3040 Fax: (631) 420-8436

23578

EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER: *National Grid - MGP* Formerly *Permyx*

SAMPLERS: (signature)/Client *Cory Feltz URS*

DELIVERABLES: *Full Cat B*

TURNAROUND TIME: *Standard*

CLIENT: *URS*

H2M SDG NO: *KEY-URS083*

Project Contact: *Pete Reynolds*

Phone Number: *716 856 5636*

PIS/Quote #

NOTES: *Analysis for DTEX and PAHs*

DATE	TIME	MATRIX	FIELD I.D.	ANALYSIS REQUESTED		LAB I.D. NO.	REMARKS:
				ORGANIC	INORG.		
10/6/09	1345	GW	HIMW-14D	2	2	0910959-003	
	1145		HIMW-15I			-006	
	0950		HIMW-15D			-005	
	1200		DUP-100609			-007	
10/7/09	1200		HIMW-14I	2	2	-004	
	1125		HIMW-13D			-001	
	1325		HIMW-13I			-002	
10/6/09		BI	TB	2	2	-008	

Sample Container Description: *40 ml Amber Glass*

Total No. of Containers: *4*

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:

- Shipped Hand Delivered Airbill#
- Ambient or Chilled Temp. *10.7°C* ON ICE
- Received in good condition: Y or N
- Properly preserved: Y or N

COC Labels were:

- Present on outer package: Y or N
- Unbroken on outer package: Y or N
- COC record present & complete upon sample receipt: *Y or N*

Received by: (Signature) *[Signature]* Date: *10/7/09* Time: *14:20*

Received by: (Signature) *[Signature]* Date: *10/7/09* Time: *15:30*

Received by: (Signature) *[Signature]* Date: _____ Time: _____

Received by: (Signature) *[Signature]* Date: _____ Time: _____

WHITE COPY ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

KEY-URS083

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Received: 10/9/2009 4:30:00 PM

Work Order Number 0911043

Received by MCW

Checklist completed by M. Watt 10-9-09
Signature Date

Reviewed by SA 10/13/09
Initials Date

Matrix: Carrier name Pickup

Shipping container/cooler in good condition? Yes No Not Applicable

Custody seals intact on shipping container/cooler? Yes No Not Applicable

Custody seals intact on sample bottles? Yes No Not Applicable

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No 10.2 ON ICE

Water - VOA vials have zero headspace? No VOA vials submitted: Yes No

Water - pH acceptable upon receipt? Yes No

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted YES Date contacted: 10/13/09 Person contacted PETER FAIRBANKS (EMAIL)
CHARLE FREEDMAN (VOICE MAIL)

Contacted by: SAMPLE RECEIVING Regarding _____
ISD BACKR1

Comments: SAMPLES ARRIVED ON ICE.

Corrective Action _____

KEY-URS083 S10

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

23580

EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER <i>National Gnd - Farmer MGP</i>		CLIENT: URS		H2M SDG NO: KEY-URS083,084	
SAMPLERS: (signature)/Client <i>Cory Field / URS</i> 1175065.00004		Sample Container Description 40 ml Amber glass 1L Amber glass		Project Contact: <i>Pete Reynolds</i> Phone Number: 716 856 5036 PIS/Quote #	
DELIVERABLES: Full Cat B		ANALYSIS REQUESTED		NOTES: Analysis for BTEX and PAHs #113 Chain is for 2 coolers	
TURNAROUND TIME: Standard		ORGANIC		LAB I.D. NO.	
		INORG.		REMARKS:	
DATE	TIME	MATRIX	FIELD I.D.	LAB I.D. NO.	REMARKS:
10/11/09	0845	GW	HIMW-05D	0911131-001	KEY-URS 083
↓	1000		HIMW-05I	↓ -002	↓
↓	1115		HIMW-05S	↓ -003	↓
10/12/09	0935		HIMW-08D	0911132-003	KEY-URS 084
↓	0945		HIMW-08S	↓ -005	↓
10/13/09	0900		HIMW-08I	↓ -004	↓
↓	1445		HIMW-03I	↓ -002	↓
↓	1125	↓	HIMW-03D	↓ -001	↓
10/13/09	1500	DI	FB	0911131-004	KEY-URS-083
10/13/09		DI	IB	0911132-006	KEY-VRS-084

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

COG Type: VRS

1. Present on outer package: Y or N

2. Unbroken on outer package: Y or N

3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 10/13/09
SDG #: KEY-URS084**

For Sample(s):

HIMW-03D	HIMW-08I
HIMW-03I	HIMW-08S
HIMW-08D	TB-101309

The above water sample(s) was/were analyzed for a select list of volatile organic analytes (BTEX) by EPA method 8260B.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis.

No MS/MSD sample spikes were requested, but a lab-fortified blank (LFB) was analyzed and recoveries indicate good method efficiency.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 4, 2009

Nicole R. Crespi

Nicole R. Crespi
Quality Assurance Manager

KEY-URS084 A3

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLE RECEIVED: 10/13/09
SDG #: KEY-URS084

For Sample(s):

- HIMW-03D
- HIMW-03I
- HIMW-08D
- HIMW-08I
- HIMW-08S

The above sample(s) was/were analyzed for a select list of semivolatile organic analytes (polynuclear aromatics) by EPA method 8270C.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

No matrix/matrix spike duplicate was submitted. Lab fortified blanks were analyzed and indicates good method efficiency.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: October 27, 2009

*  *
* *

Joann M. Slavin
Senior Vice President

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
 Tel: (631) 694-3040 Fax: (631) 420-8436

23080

EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER

National End - Farmer MGP

1175065.00004

SAMPLERS: (signature)/Client

Corey Fild / URS

DELIVERABLES:

*Full Cat B
Standard*

TURNAROUND TIME:

Standard

DATE	TIME	MATRIX	FIELD I.D.	LAB I.D. NO.	REMARKS:
10/11/09	0845	GW	HIMW-05D	0911131-001	KEY-URS 083
	1000		HIMW-05I	-002	↓
	1115		HIMW-05S	-003	↓
10/12/09	0835		HIMW-08D	0911132-003	KEY-URS 084
	0945		HIMW-08S	-005	↓
10/13/09	0900		HIMW-08I	-004	↓
	1445		HIMW-03I	-002	↓
	1125	↓	HIMW-03D	-001	↓
10/13/09	1500	DI	FB	0911131-004	KEY-URS-083
10/13/09		DI	IB	0911132-006	KEY-URS-084

Relinquished By: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Corey Fild</i>	10/13/09	1512	<i>S.Wald</i>	10-13-09	15:12
<i>Corey Fild</i>	10-13-09	16:07	<i>M. Vlah</i>	10/13/09	16:07
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

CLIENT: URS

Sample Container Description: 40 ml Amber Glass, 1L Amber Glass

ANALYSIS REQUESTED: ORGANIC, INORG. Metals

NOTES: Analysis for BTEX and PAHs plus Chain is for 2 coolers

H2M SDG NO: KEY-URS083 084

Project Contact: *Pete Reynolds*

Phone Number: 716 856 5036

PIS/Quote #

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were: 1. Shipped or Hand Delivered ✓ Archive
 2. Ambient or Chilled Temp: 5-8°C
 3. Received in good condition: Y or N
 4. Properly preserved: Y or N

COC Trace VBBE
 1. Present on outer package: Y or N
 2. Unbroken on outer package: Y or N
 3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL
KEY-URS084 A6

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

KEY-URS 084

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS
Work Order Number 0911132

Date and Time Received: 10/13/2009 4:07:00 PM
Received by MCW

Checklist completed by [Signature] Date 10-13-09

Reviewed by RA Date 10/14/09

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes No Not Applicable
- Custody seals intact on shipping container/cooler? Yes No Not Applicable
- Custody seals intact on sample bottles? Yes No Not Applicable
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - pH acceptable upon receipt? Yes No

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted NO Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: Both trip blank vials have headspace bubbles measuring 4mm in diameter.

Corrective Action _____

KEY-URS084 A7