

**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
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

**GROUNDWATER SAMPLING AND NAPL MONITORING/RECOVERY
REPORT FOR THE THIRD QUARTER OF 2009 (JULY- SEPTEMBER)**

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

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November 2009

TABLE OF CONTENTS

	<u>Page No.</u>
EXECUTIVE SUMMARY	E-1
1.0 INTRODUCTION	1-1
2.0 FIELD ACTIVITIES	2-1
2.1 Groundwater Depth and NAPL Thickness Measurements	2-1
2.2 NAPL Recovery	2-1
2.3 Ground Water Sampling	2-1
3.0 RESULTS	3-1
3.1 Dissolved-Phase Plume	3-1
3.2 Potentiometric Heads and NAPL Thickness	3-1
3.3 Groundwater Analytical Results	3-1
3.4 NAPL Recovery Volumes	3-2
4.0 SUMMARY	4-1

TABLES
(Following Text)

Table 1	Summary of Field Activities for the Third Quarter 2009
Table 2	Groundwater and NAPL Measurements for the Third Quarter 2009
Table 3	NAPL Recovery, Third Quarter 2009
Table 4	Dissolved-Phase Concentrations of Total BTEX and Total PAH Compounds for the Third Quarter 2009

FIGURES
(Following Tables)

Figure 1	Location Map
Figure 2	Site Map
Figure 3	Extent of Dissolved-Phase Plume and Groundwater Analytical Results
Figure 4	Potentiometric Surface Map for Shallow Groundwater, July 28, 2009
Figure 5	Potentiometric Surface Map for Intermediate Groundwater, July 28, 2009
Figure 6	Potentiometric Surface Map for Deep Groundwater, July 28, 2009
Figure 7	Total Dissolved-Phase BTEX/PAH Concentrations and Free Product Thickness, Third Quarter 2009
Figure 8A	Well HIMW-01S NAPL Thickness and Cumulative Recovery Plot
Figure 8B	Well HIMW-01I NAPL Thickness and Cumulative Recovery Plot
Figure 8C	Well HIMW-06S NAPL Thickness and Cumulative Recovery Plot
Figure 8D	Well HIMW-06I NAPL Thickness and Cumulative Recovery Plot
Figure 8E	Well HIMW-07S NAPL Thickness and Cumulative Recovery Plot
Figure 8F	Well HIMW-11S NAPL Thickness and Cumulative Recovery Plot
Figure 8G	Well HIMW-11I NAPL Thickness and Cumulative Recovery Plot
Figure 8H	Well HIMW-16S NAPL Thickness and Cumulative Recovery Plot
Figure 8I	Well HIMW-16I NAPL Thickness and Cumulative Recovery Plot
Figure 8J	Well HIMW-17S NAPL Thickness and Cumulative Recovery Plot
Figure 8K	Well HIMW-18S NAPL Thickness and Cumulative Recovery Plot
Figure 8L	Well HIMW-18I NAPL Thickness and Cumulative Recovery Plot
Figure 8M	Well HIMW-19S NAPL Thickness and Cumulative Recovery Plot
Figure 8N	Well HIMW-19I NAPL Thickness and Cumulative Recovery Plot
Figure 8O	Well PZ-08 NAPL Thickness and Cumulative Recovery Plot
Figure 8P	Well IPR-02 NAPL Thickness and Cumulative Recovery Plot
Figure 8Q	Well IPR-05 NAPL Thickness and Cumulative Recovery Plot
Figure 8R	Well IPR-06 NAPL Thickness and Cumulative Recovery Plot
Figure 8S	Well IPR-12A NAPL Thickness and Cumulative Recovery Plot
Figure 8T	Well IPR-15 NAPL Thickness and Cumulative Recovery Plot
Figure 8U	Well IPR-16 NAPL Thickness and Cumulative Recovery Plot
Figure 8V	Well IPR-17 NAPL Thickness and Cumulative Recovery Plot
Figure 8W	Well IPR-18 NAPL Thickness and Cumulative Recovery Plot

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Figure 8X Well IPR-20 NAPL Thickness and Cumulative Recovery Plot
Figure 8Y Well IPR-21 NAPL Thickness and Cumulative Recovery Plot
Figure 8Z Well IPR-22 NAPL Thickness and Cumulative Recovery Plot
Figure 8AA Well IPR-24 NAPL Thickness and Cumulative Recovery Plot
Figure 8AB Well IPR-25 NAPL Thickness and Cumulative Recovery Plot

ATTACHMENTS
(Following Figures)

Attachment A Data Usability Summary Report

EXECUTIVE SUMMARY

This 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 during the third quarter (July, August, and September) of 2009.

Groundwater monitoring and sampling was conducted on July 28 to August 4, 2009. This included measuring the depth to groundwater and NAPL thickness in 73 wells. Groundwater samples were collected from 16 wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

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

- The general direction of groundwater flow in shallow, intermediate, and deep water-bearing zones was south at an average gradient of approximately 0.003 ft/ft.
- The dissolved-phase plume extended approximately 3,500 feet south of the site boundary.
- DNAPL was detected in 23 wells during the third quarter of 2009. The wells were located on site or within the parking lot immediately south of the site.
- The volume of NAPL recovered from the site wells ranged from approximately 5 to 13 gallons per event. Approximately 51 gallons of NAPL were recovered during the third quarter of 2009. Approximately 373 gallons of NAPL have been recovered since April 2007.
- Based on a comparison between the third quarter 2009 data and the previous data the concentrations of dissolved phase total BTEX and total PAHs remained stable in the site monitoring wells.

1.0 INTRODUCTION

This groundwater sampling and NAPL monitoring/recovery report describes field activities, presents field measurements, NAPL recovery volumes, and analytical data associated with the Hempstead Intersection Street Former MGP site (refer to Figures 1 and 2). Interpretations of the data are also provided.

URS Corporation (URS) performed the following activities during the third quarter of 2009:

- Measured the depth to groundwater and NAPL thickness in accessible monitoring wells (July 28, 2009).
- Collected groundwater samples from 16 monitoring wells for laboratory analysis (July 29 to August 4, 2009).
- Recovered NAPL from monitoring wells and piezometers (July 10, July 23, August 5, August 21, September 4, and September 16, 2009).

Quarterly groundwater monitoring and bimonthly recovery of NAPL was initiated in April 2007. Separate reports have been issued for quarterly activities performed in 2007, 2008, and 2009, and annual reports were issued that encompassed the last three quarters of 2007 and all four quarters of 2008.

2.0 FIELD ACTIVITIES

The field activities performed by URS are summarized below.

- Measurement of the depth to groundwater and NAPL thickness in 73 monitoring wells.
- Collection of groundwater samples from 16 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 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

NAPL was recovered from 17 wells during 6 events from July to September 2009 (Table 3). All measured NAPL consisted of dense non-aqueous phase liquid (DNAPL) located at the bottom of the wells. The DNAPL was recovered using a Waterra inertial lift pump. DNAPL from wells HIMW-16S and HIMW-16I was removed using a bailer. The quantity of the recovered NAPL was estimated based on the volume contained inside the well prior to pumping.

2.3 Ground Water Sampling

Low-flow groundwater sampling methods were used, which consisted of purging groundwater at a rate of between 250 and 500 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 (USEPA Method 8260B) and PAHs (USEPA Method 8270C) (Table 4).

3.0 RESULTS

3.1 Dissolved-Phase Plume

The extent of the dissolved-phase plume is shown on Figure 3. The downgradient boundary of the plume, which is defined by total BTEX or PAH concentrations greater than 100 µg/L, extends approximately 3,500 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 July 2009, the concentrations of total BTEX or total PAHs in the furthest downgradient well pair (HIMW-015I/D) ranged from “not detected” (deep well, HIMW-15D) to 15 µg/L (intermediate well, HIMW-15I). The concentrations of total BTEX or total PAHs in wells located between the site and the HIMW-015 cluster varied from “not detected” to 1,746 µg/L.

3.2 Potentiometric Heads and NAPL Thickness

Potentiometric heads and NAPL thickness measurements are presented in Table 2. Potentiometric surface maps for shallow, intermediate and deep groundwater zones were developed using this data and are shown on Figures 4, 5, and 6, respectively. The figures indicate that the direction of groundwater flow within the well field was south at an average gradient of approximately 0.003 ft/ft.

DNAPL was detected in 23 wells during the third quarter 2009 (Table 3). Figure 7 illustrates the thickness of DNAPL that was measured on July 23, 2009. The DNAPL thickness at well IPR-29 was measured on September 16, 2009. Figures 8A – 8AA provide cumulative NAPL recovery and NAPL thickness plots for the period December 2003 to September 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 are summarized in Table 4 and illustrated on Figure 7.

A Data Usability Summary Report (DUSR) was 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 is included as Attachment A. The review 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 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. 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 51 gallons of NAPL were recovered from 17 wells (Table 3). The volume of NAPL recovered varied from approximately 5 to 13 gallons per event. Approximately 373 gallons of NAPL have been recovered since April 2007.

4.0 SUMMARY

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

- The general direction of groundwater flow in the shallow, intermediate, and deep water-bearing zones was south at an average gradient of 0.003 ft/ft.
- The dissolved-phase plume extended approximately 3,500 feet south of the site boundary.
- DNAPL was detected in 23 wells during the third quarter of 2009. The wells were located on site or within the parking lot immediately south of the site.
- The volume of NAPL recovered from the site wells varied from approximately 5 to 13 gallons per event. Approximately 51 gallons of NAPL were recovered during the third quarter of 2009. Approximately 373 gallons of NAPL have been recovered since April 2007.
- Based on a comparison between the third quarter 2009 data and the previous data the concentrations of total BTEX and total PAHs remained stable in the site monitoring wells.

TABLES

Table 1

**Hempstead Intersection Street Former MGP Site
Summary of Field Activities for the Third Quarter 2009**

Well ID	Monitoring & Sampling (July 28- August 4, 2009)			NAPL Monitoring and Recovery					
	Groundwater Level	NAPL Thickness	Water Quality	Sept. 16, 2009	Sept. 4, 2009	August 21, 2009	August 5, 2009	July 23, 2009	July 10, 2009
HIMW-001S	X	X		X		X	X	X	
HIMW-001I	X	X		X	X	X		X	X
HIMW-001D									
HIMW-002S	X	X							
HIMW-002I	X	X							
HIMW-002D	X	X							
HIMW-003S	X	X							
HIMW-003I	X	X							
HIMW-003D	X	X							
HIMW-004S	X	X							
HIMW-004I	X	X							
HIMW-004D	X	X							
HIMW-005S	X	X	X						
HIMW-005I	X	X	X						
HIMW-005D	X	X	X						
HIMW-006S	X	X		X	X	X	X	X	X
HIMW-006I	X	X		X				X	
HIMW-006D									
HIMW-007S	X	X		X	X	X	X	X	X
HIMW-007I	X	X		X		X		X	
HIMW-007D	X	X		X		X		X	
HIMW-008S	X	X	X						
HIMW-008I	X	X	X						
HIMW-008D	X	X	X						
HIMW-009S									
HIMW-009I									
HIMW-009D									
HIMW-010S	X	X							
HIMW-010I	X	X							
HIMW-010D	X	X							
HIMW-011S	X	X		X		X		X	
HIMW-011I				X					
HIMW-011D									
HIMW-012S			X						
HIMW-012I	X	X	X						
HIMW-012D	X	X	X						
HIMW-013S	X	X							
HIMW-013I	X	X	X						
HIMW-013D	X	X	X						
HIMW-014I	X	X	X						
HIMW-014D	X	X							
HIMW-015I	X	X	X						
HIMW-015D	X	X	X						
HIMW-016S	X	X		X	X	X	X	X	X
HIMW-016I	X	X		X	X	X	X	X	X
HIMW-017S	X	X		X	X	X	X	X	X

Table 1

**Hempstead Intersection Street Former MGP Site
Summary of Field Activities for the Third Quarter 2009**

Well ID	Monitoring & Sampling (July 28- August 4, 2009)			NAPL Monitoring and Recovery					
	Groundwater Level	NAPL Thickness	Water Quality	Sept. 16, 2009	Sept. 4, 2009	August 21, 2009	August 5, 2009	July 23, 2009	July 10, 2009
HIMW-018S	X	X		X		X		X	
HIMW-018I	X	X		X		X		X	
HIMW-019S	X	X		X		X		X	
HIMW-019I	X	X		X		X		X	
HIMW-020S	X	X	X						
HIMW-020I	X	X	X						
HIMW-21				X					
PZ-02									
PZ-03									
PZ-08	X	X		X	X	X	X	X	X
IPR-01	X	X		X		X		X	
IPR-02	X	X		X	X	X	X	X	
IPR-03	X	X		X		X		X	
IPR-04	X	X		X		X		X	
IPR-05	X	X		X		X		X	
IPR-06	X	X		X	X	X	X	X	
IPR-07	X	X		X		X		X	
IPR-08	X	X		X		X		X	
IPR-09	X	X		X		X		X	
IPR-10	X	X		X		X		X	
IPR-11	X	X		X		X		X	
IPR-12A	X	X		X		X		X	
IPR-12B	X	X		X		X		X	
IPR-13	X	X		X		X		X	
IPR-14	X	X		X		X		X	
IPR-15	X	X		X		X		X	
IPR-16	X	X		X		X		X	
IPR-17	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	X
IPR-22	X	X		X	X	X	X	X	
IPR-23	X	X		X		X		X	
IPR-24	X	X		X		X		X	
IPR-25				X	X	X	X	X	
IPR-26				X					
IPR-27				X					
IPR-28				X					
IPR-29				X					
IPR-30				X					
OSMW-01	X	X		X		X			
OSMW-02	X	X		X					
OSMW-03				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
Hempstead Intersection Street Former MGP Site
Groundwater and NAPL Measurements for the Third Quarter 2009

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
Hempstead Intersection Street Former MGP Site
Groundwater and LNAPL Measurements for the Third Quarter 2009

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

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 4
Hempstead Intersection Street Former MGP Site
Dissolved-Phase Concentrations of
Total BTEX Compounds and Total PAH Compounds
for the Third Quarter 2009

Well ID	Third Quarter 2009 (July 29 - August 4, 2009) Concentrations	
	BTEX [ug/L]	PAH [ug/L]
HIMW-001D		
HIMW-001I		
HIMW-001S		
HIMW-002D		
HIMW-002I		
HIMW-002S		
HIMW-003D		
HIMW-003I		
HIMW-003S		
HIMW-004D		
HIMW-004I		
HIMW-004S		
HIMW-005D	185.1	503
HIMW-005I	163.7	1,746
HIMW-005S	ND	ND
HIMW-006D		
HIMW-006I		
HIMW-006S		
HIMW-007D		
HIMW-007I		
HIMW-007S		
HIMW-008D	ND	ND
HIMW-008I	ND	ND
HIMW-008S	ND	ND
HIMW-009D		
HIMW-009I		
HIMW-009S		
HIMW-010D		
HIMW-010I		
HIMW-010S		
HIMW-011D		
HIMW-011I		
HIMW-011S		
HIMW-012D	ND	ND
HIMW-012I	39.5	122
HIMW-012S	ND	ND
HIMW-013D	6.4	15
HIMW-013I	72.5	59
HIMW-013S		
HIMW-014D		
HIMW-014I	56.6	33
HIMW-015D	ND	ND
HIMW-015I	14	15
HIMW-016I		
HIMW-016S		
HIMW-017S		
HIMW-018I		
HIMW-018S		
HIMW-019I		
HIMW-019S		
HIMW-020I	215.6	96
HIMW-020S	ND	ND
PZ-02		
PZ-03		
PZ-08		

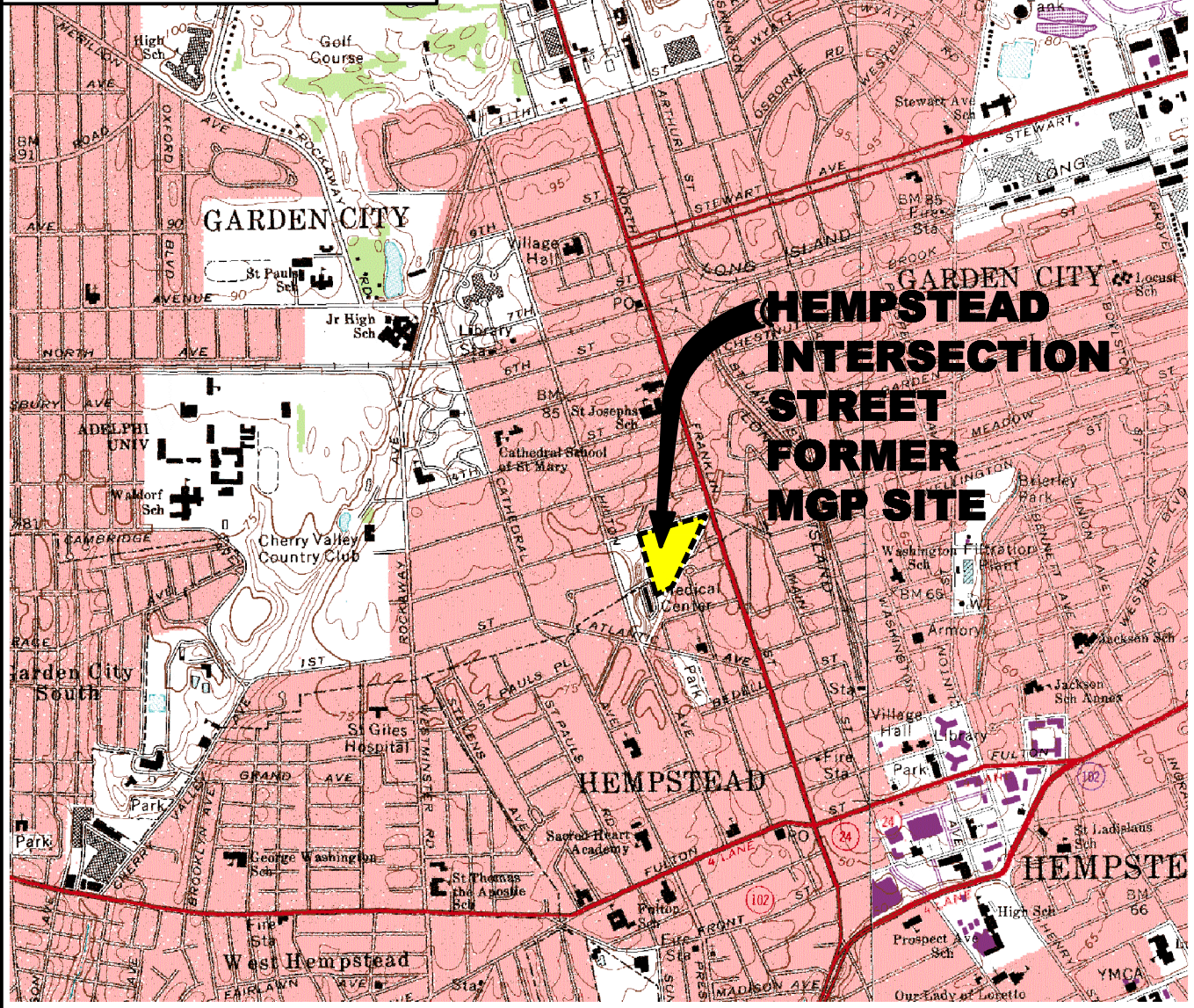
Notes:

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

FIGURES

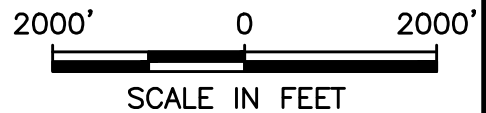


KEY MAP
NEW YORK STATE



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

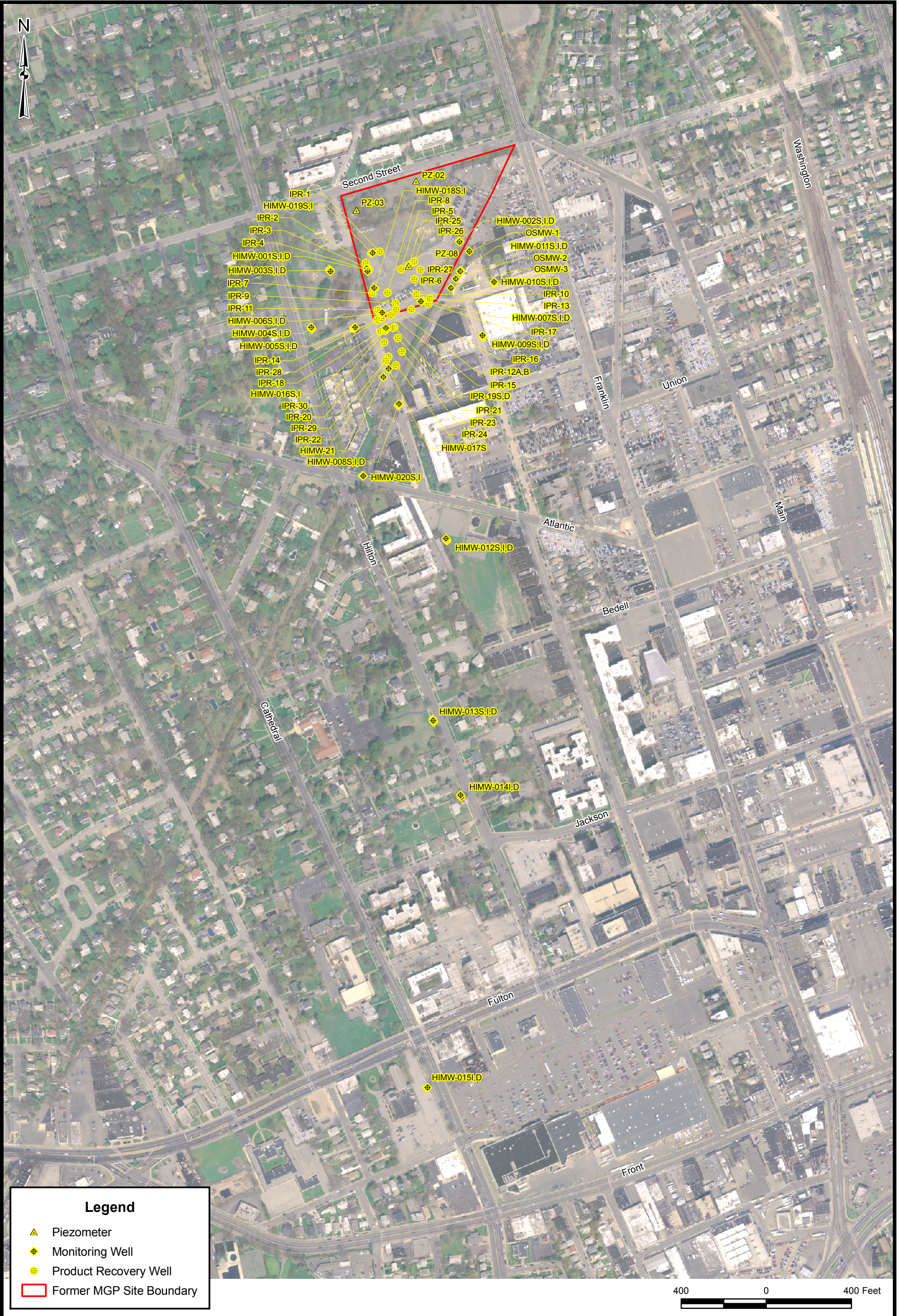
SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHICAL QUADRANGLES:
FREEPORT, NY (1969)
LYNBROOK, NY (1969)

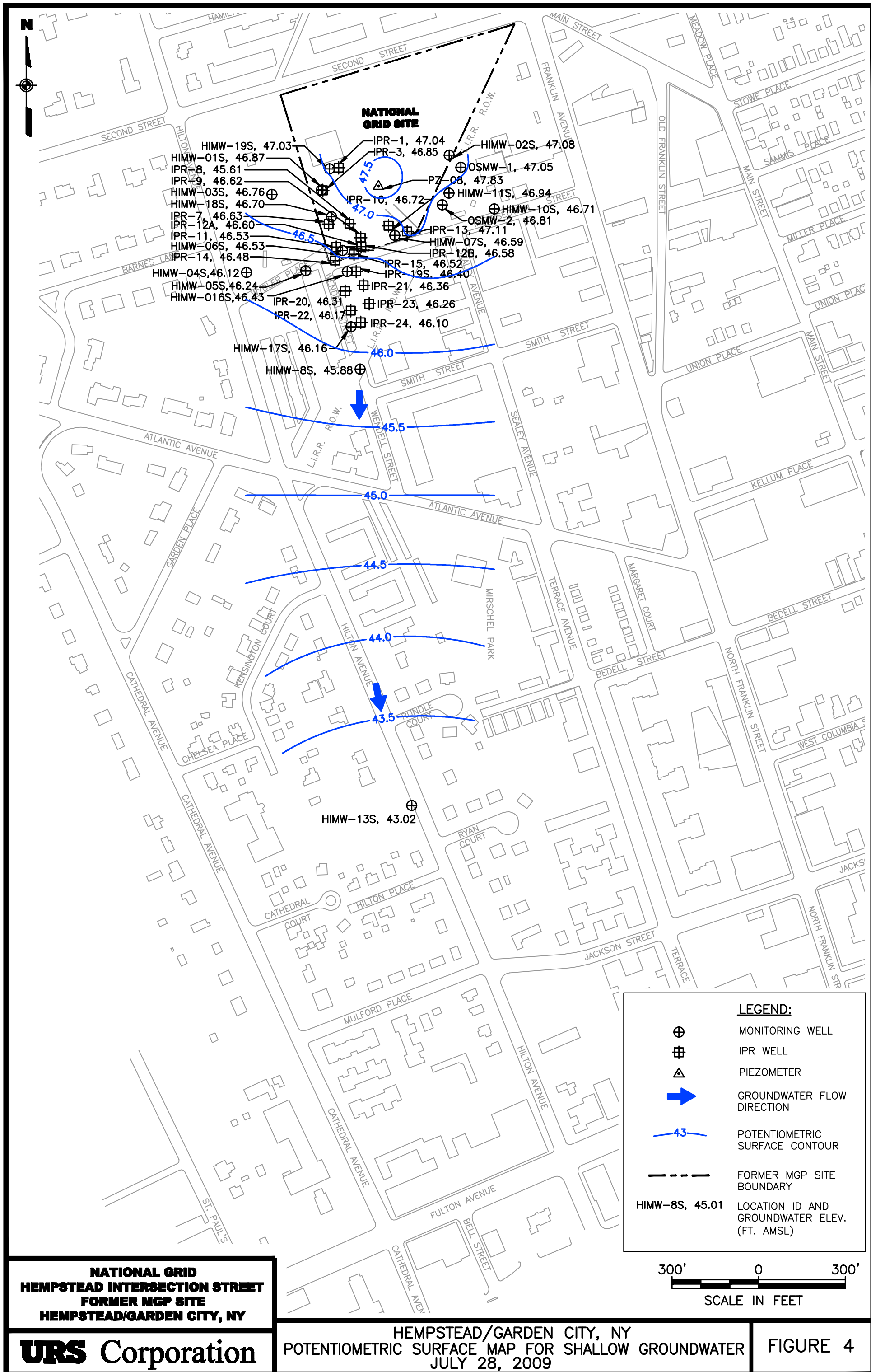


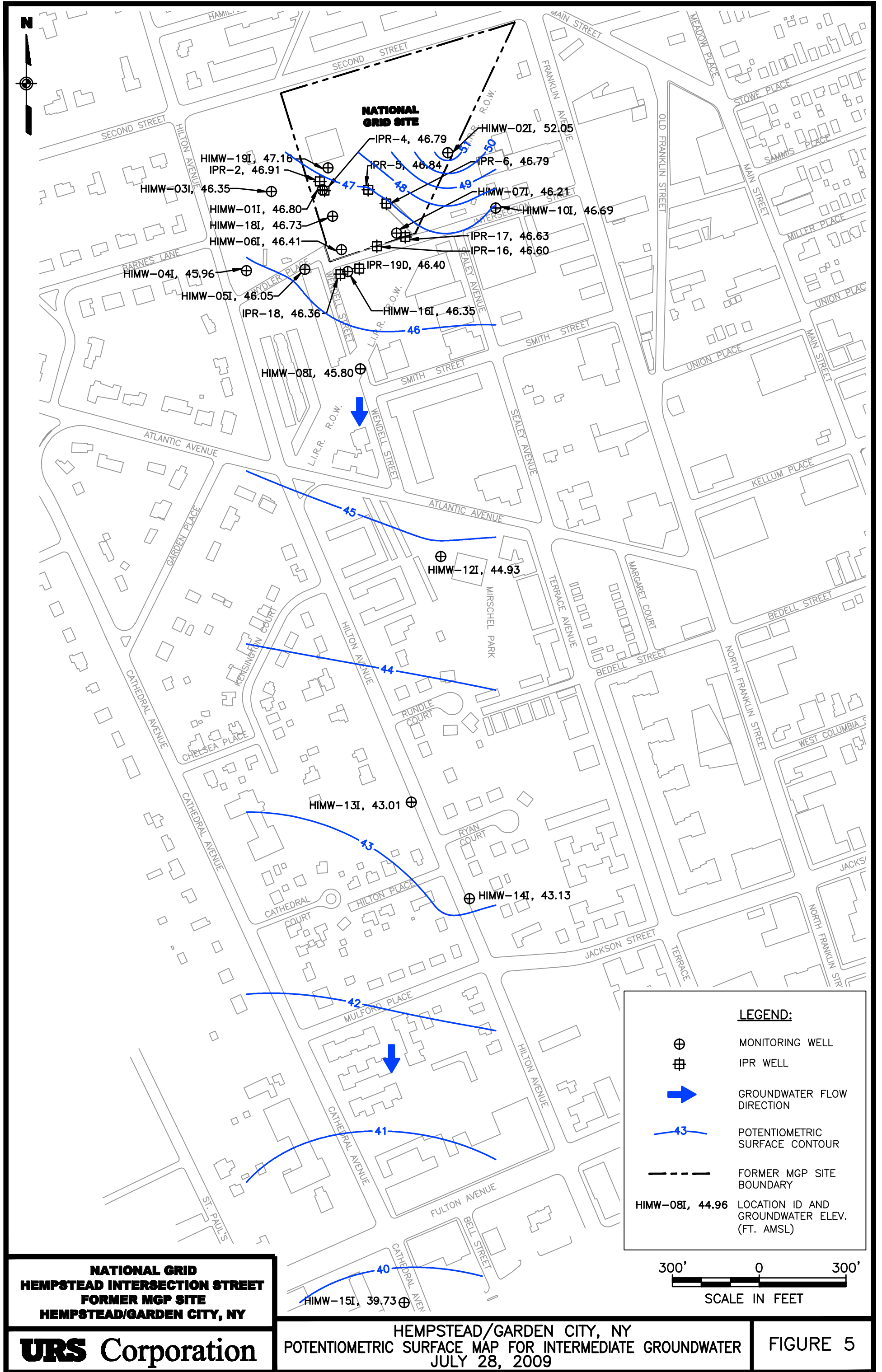
URS Corporation

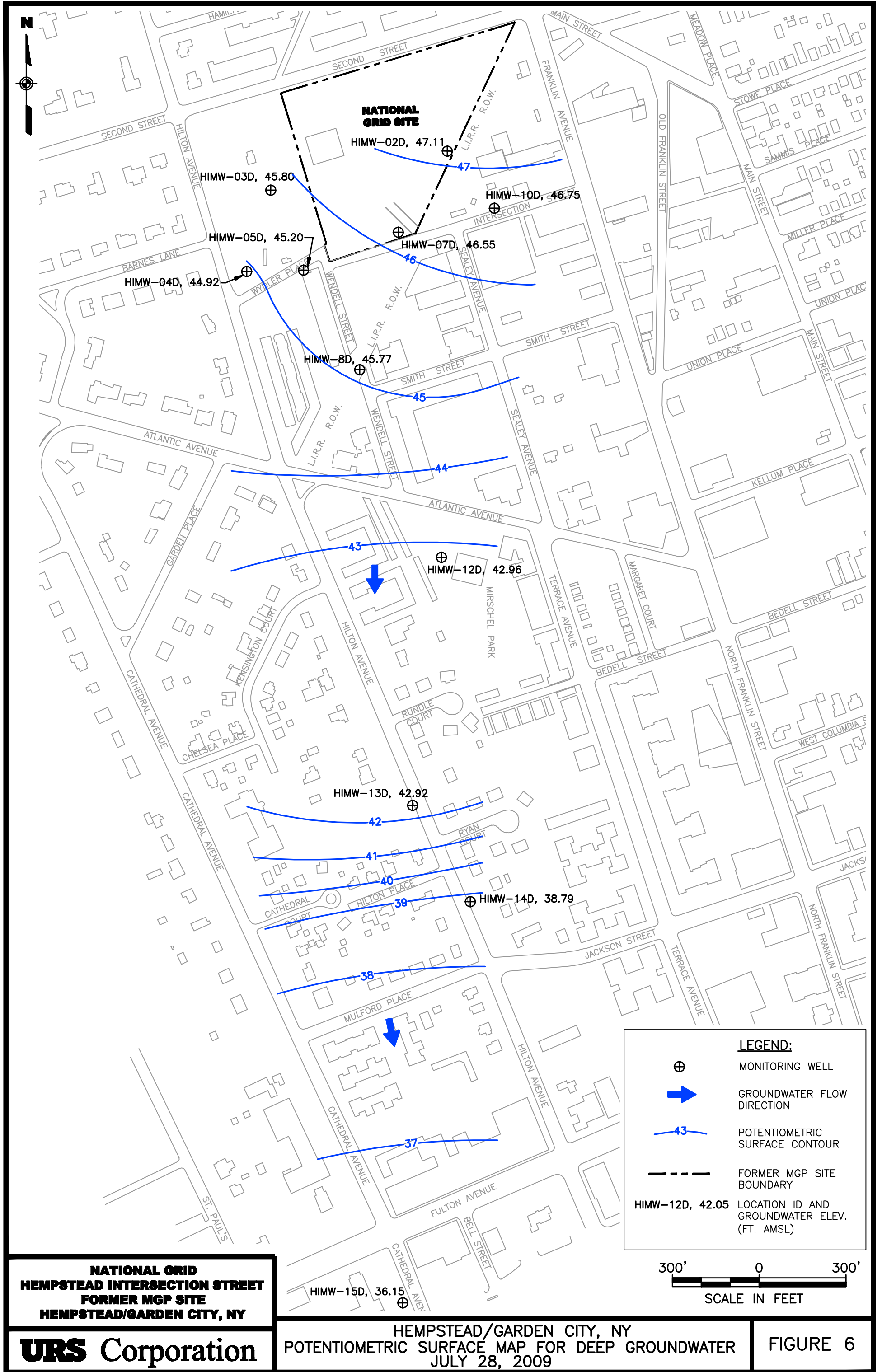
LOCATION MAP

FIGURE 1

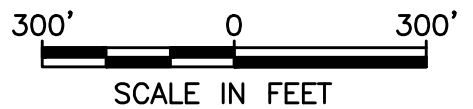








LEGEND:	
	MONITORING WELL
	GROUNDWATER FLOW DIRECTION
	POTENTIOMETRIC SURFACE CONTOUR
	FORMER MGP SITE BOUNDARY
	LOCATION ID AND GROUNDWATER ELEV. (FT. AMSL)

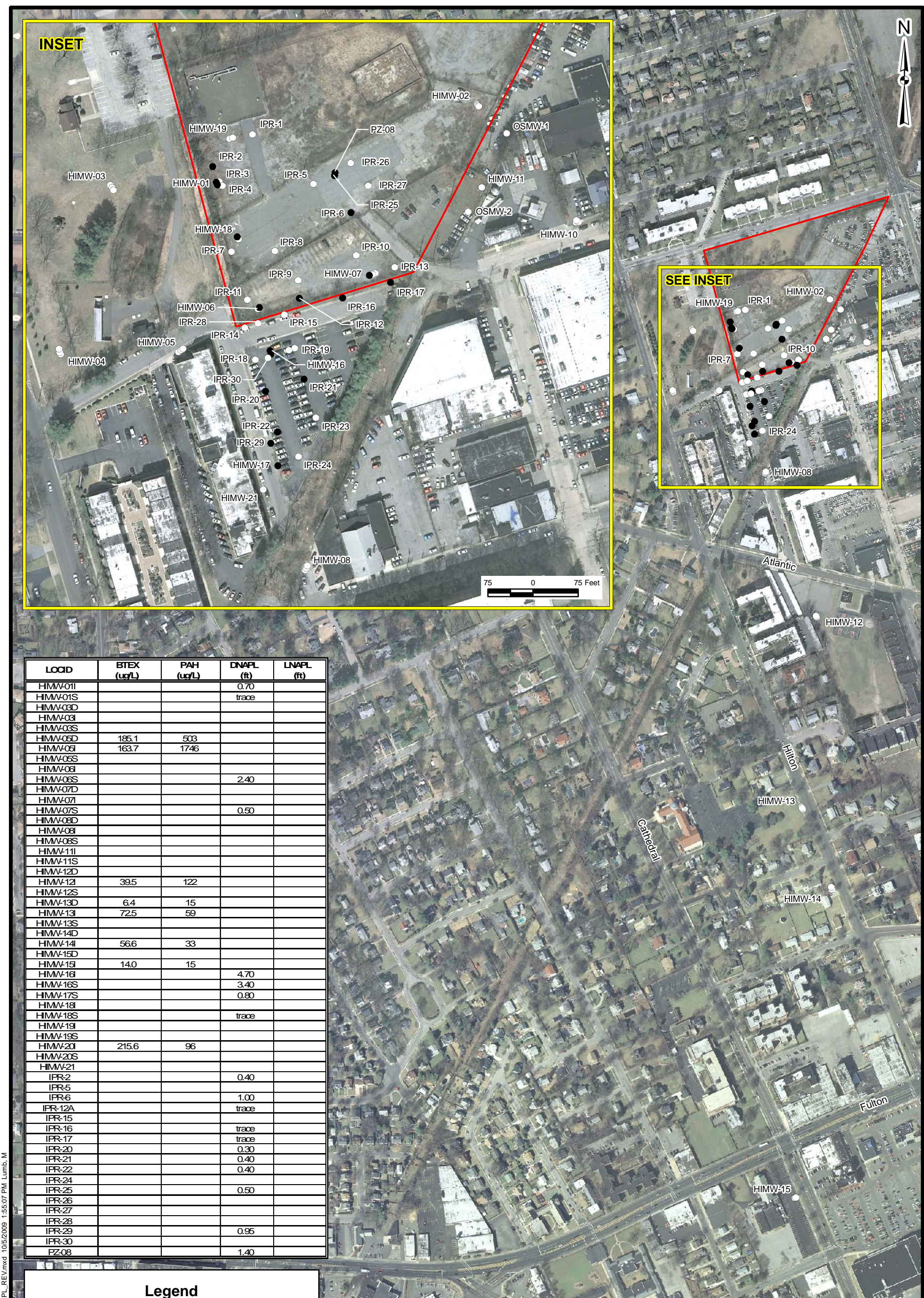


**NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY**

URS Corporation

**HEMPSTEAD/GARDEN CITY, NY
POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER
JULY 28, 2009**

FIGURE 6



JA1175065.000000\BGS\ARC\MAP\0709 BTEX\PAH\NAPL_REV.mxd 10/5/2009 1:55:07 PM Lumb, M



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

FIGURE 7

FIGURE 8A
Well HIMW-01S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

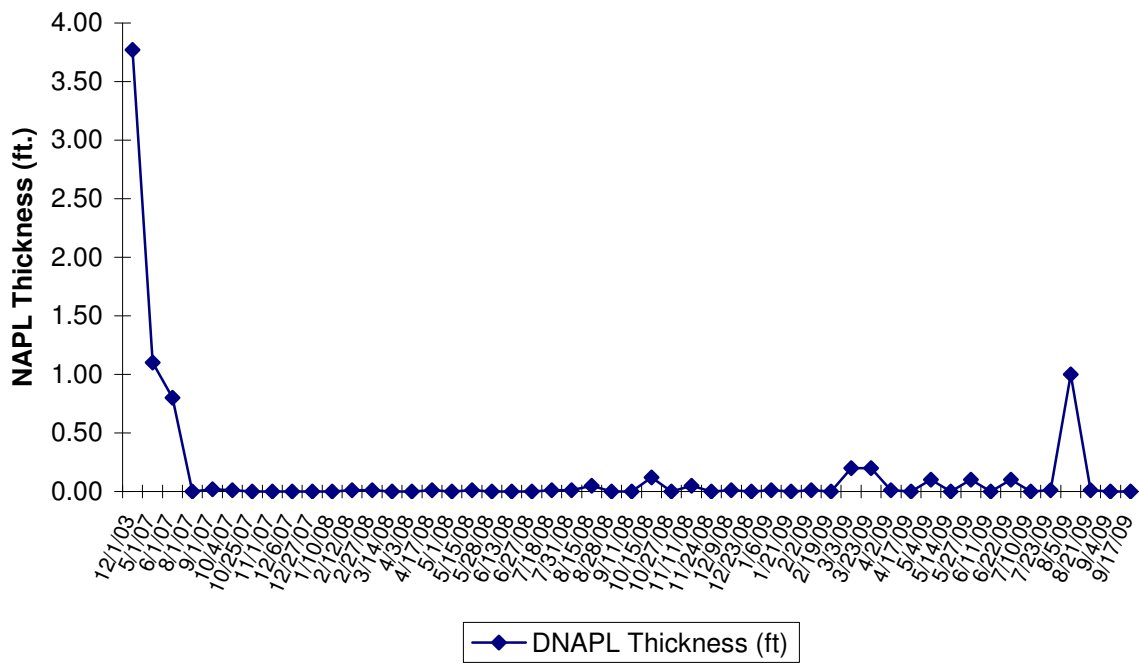
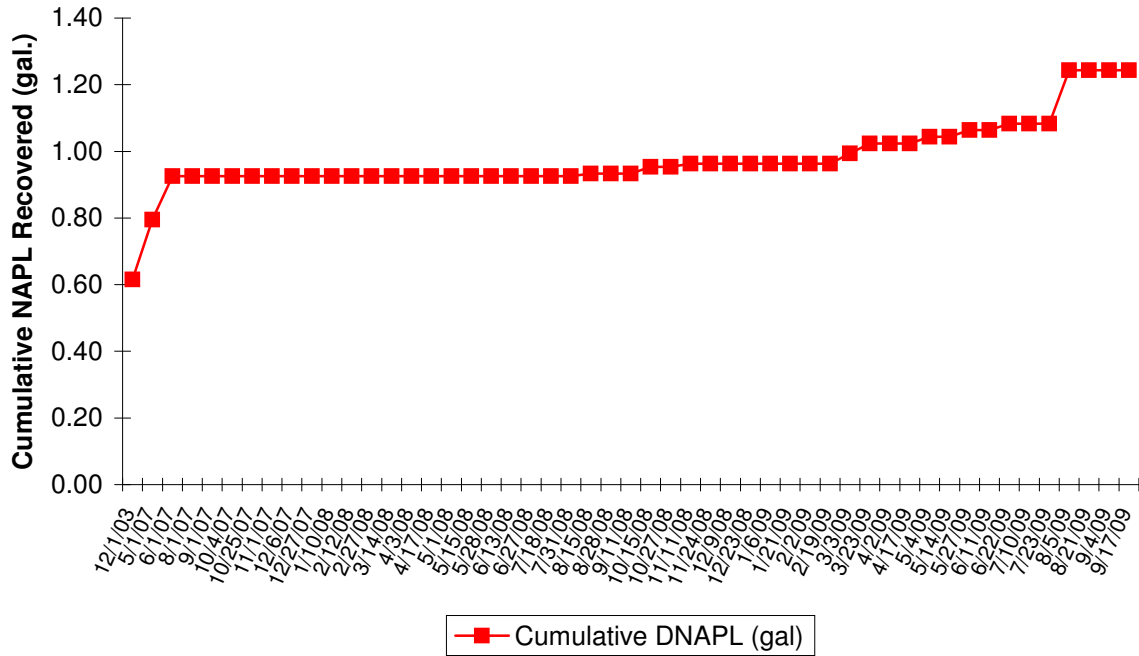


FIGURE 8B
Well HIMW-011 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

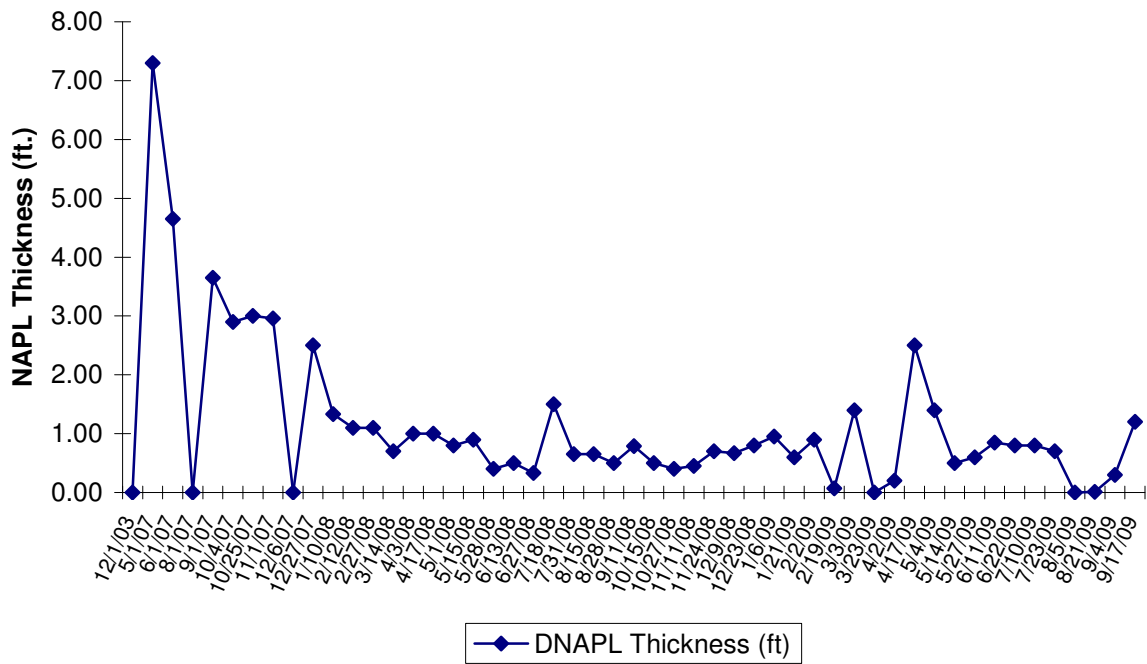
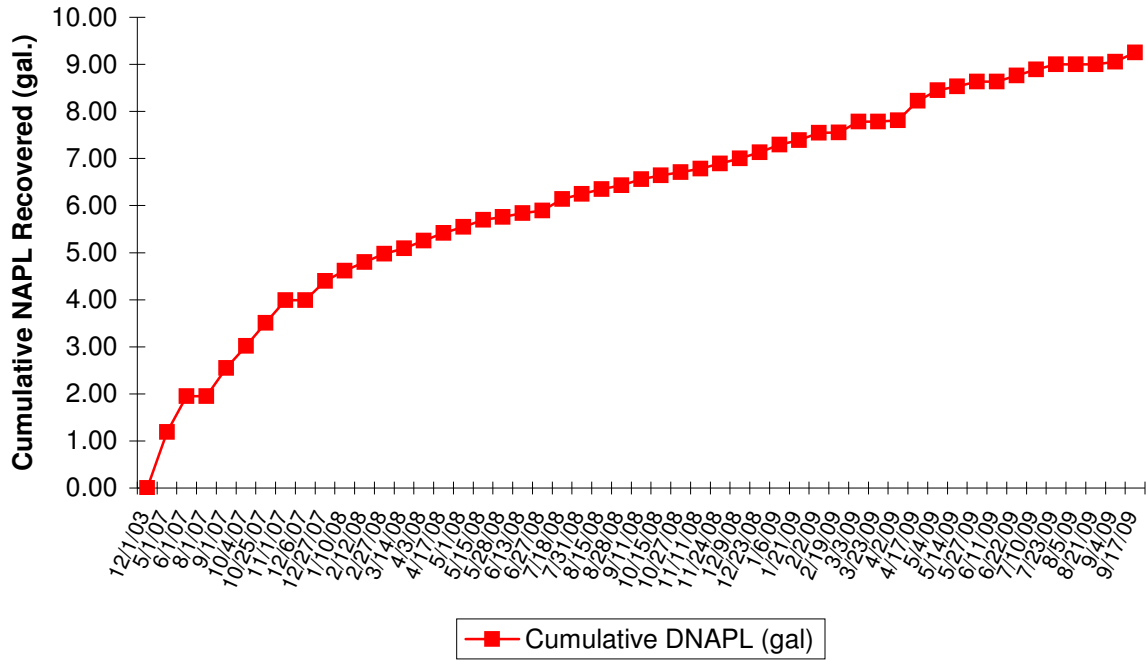


FIGURE 8C
Well HIMW-06S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

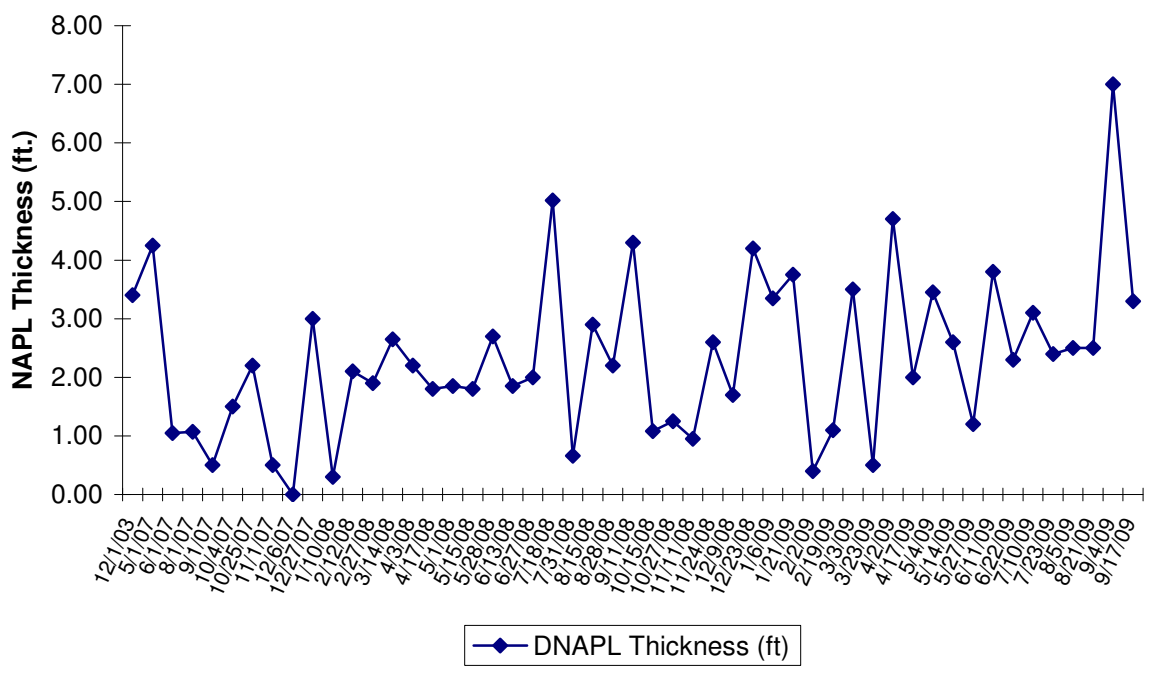
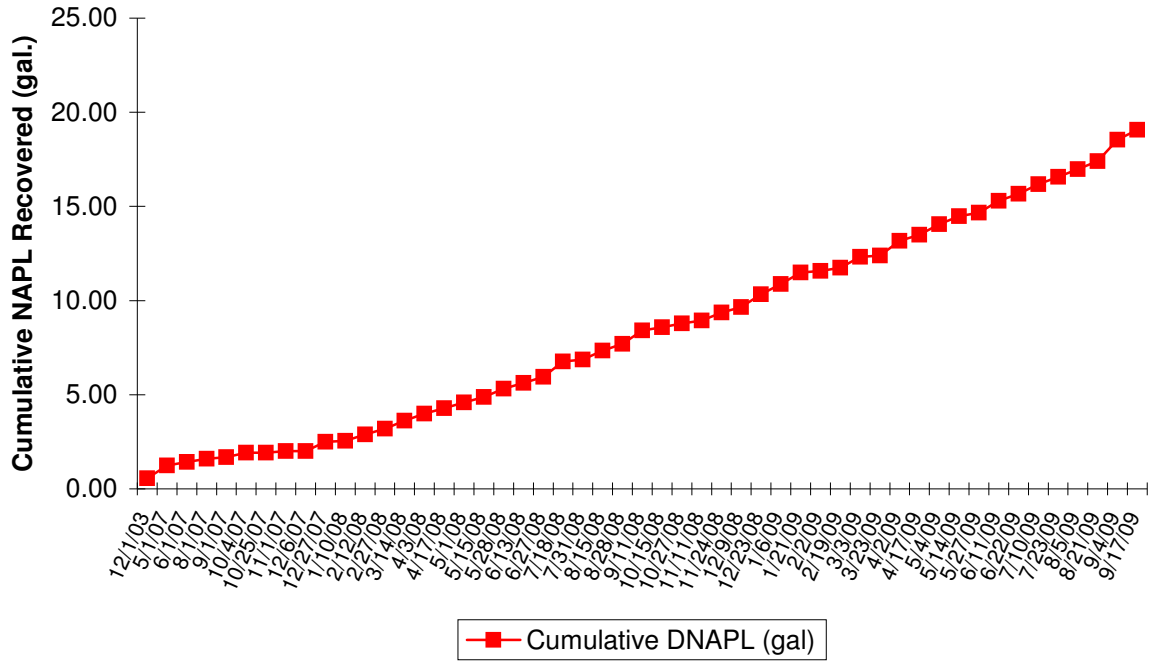


FIGURE 8D
Well HIMW-06I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

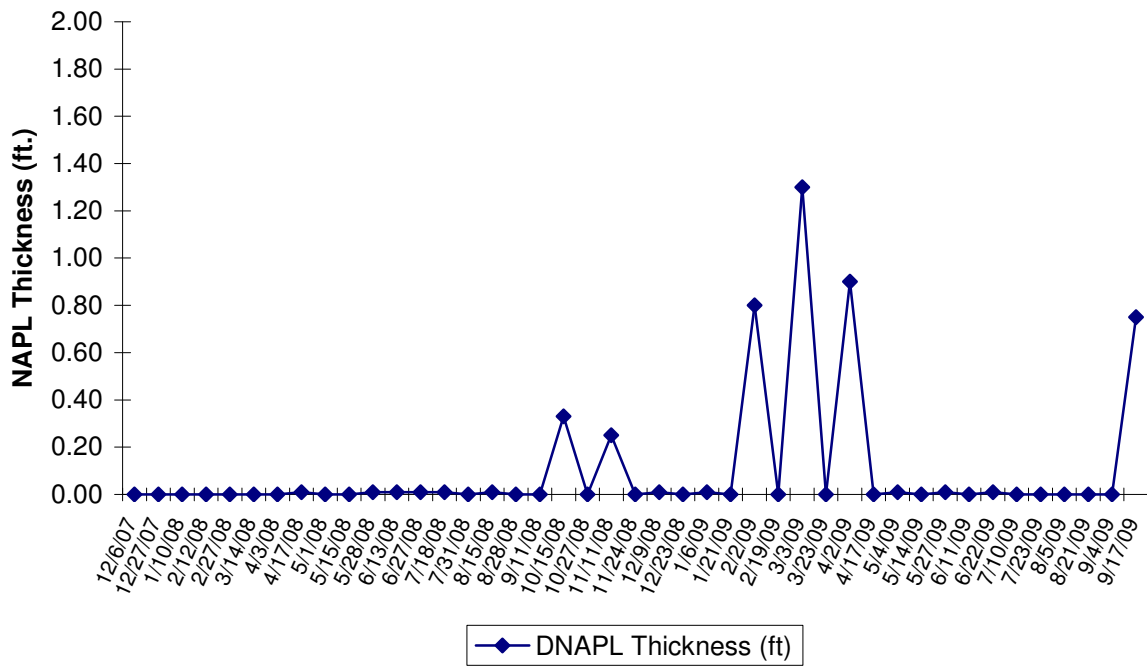
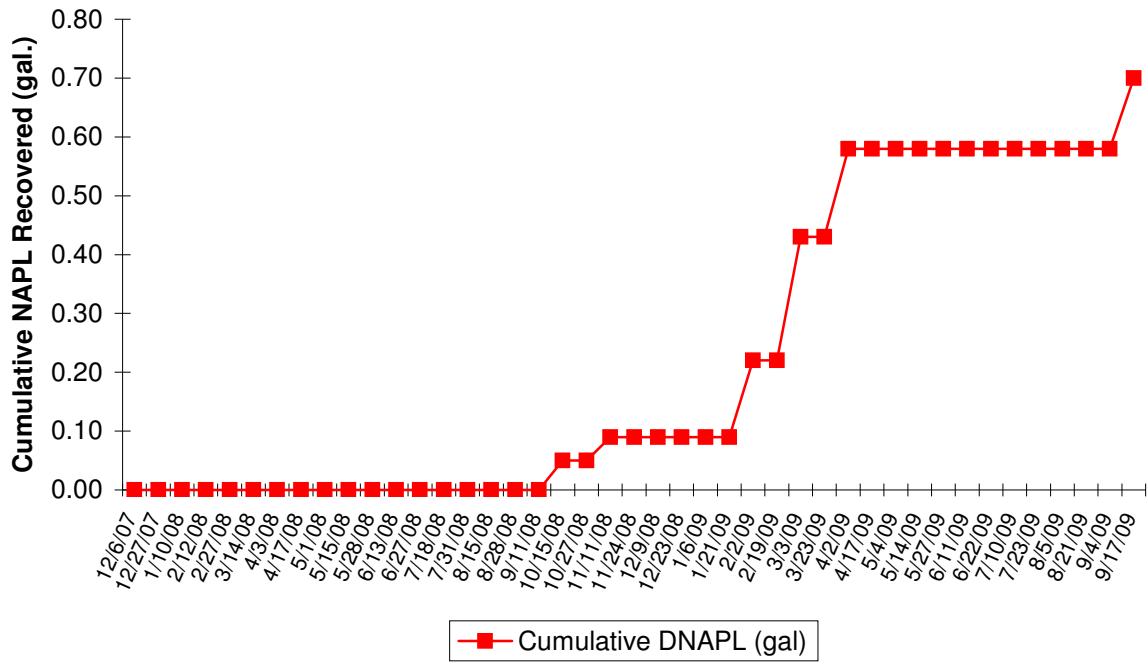


FIGURE 8E
Well HIMW-07S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

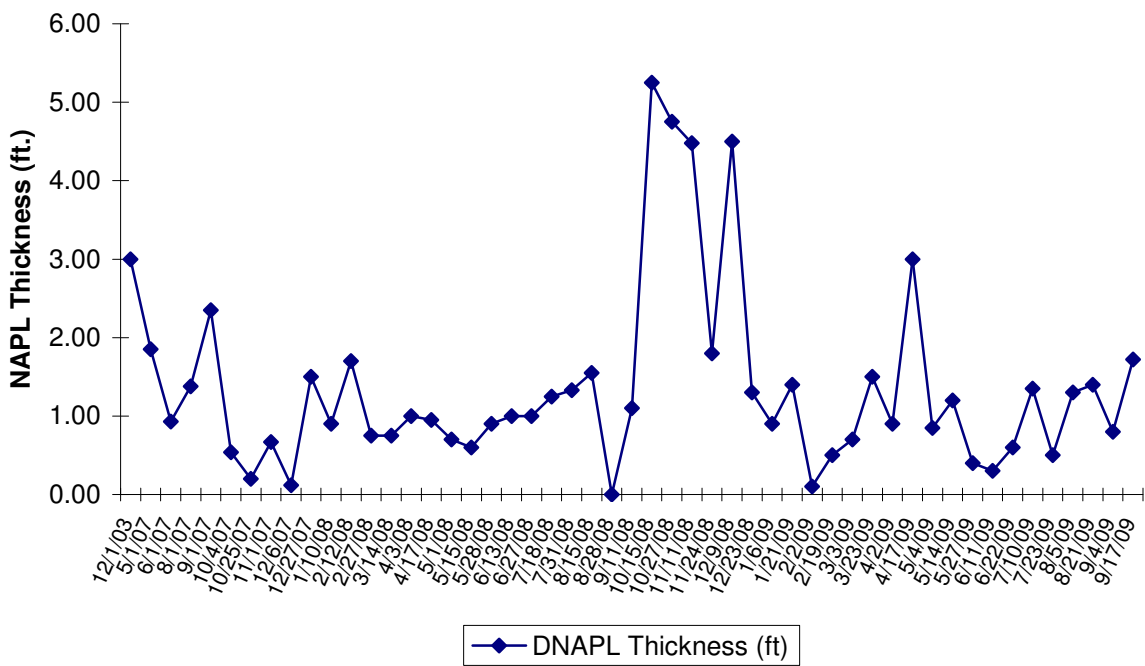
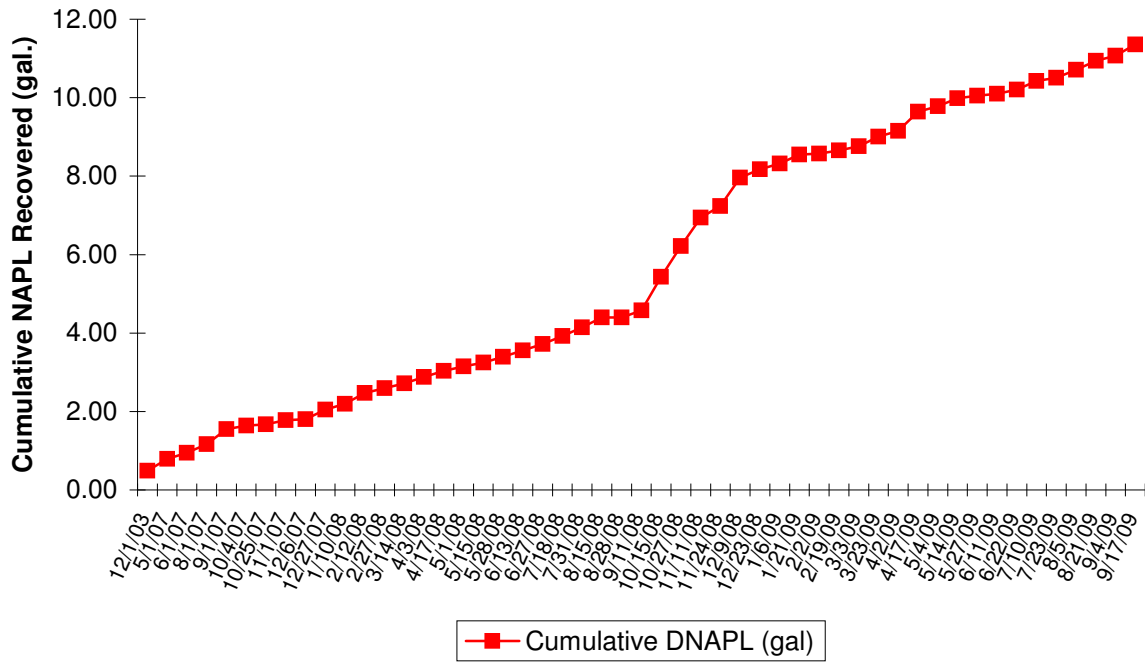


FIGURE 8F
Well HIMW-11S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

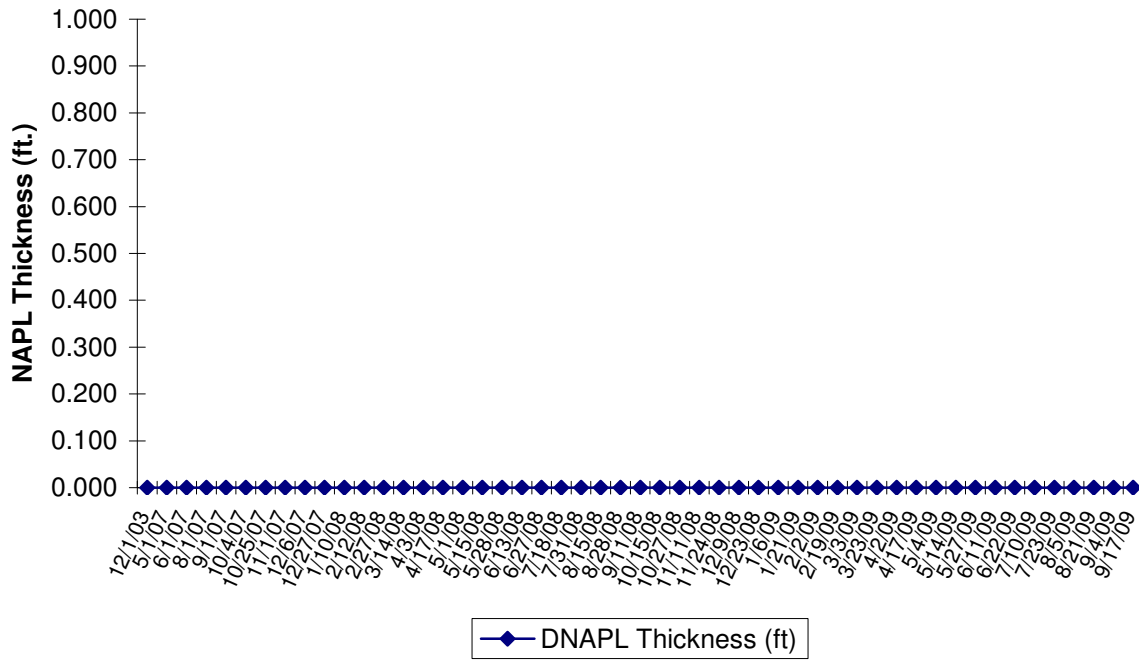
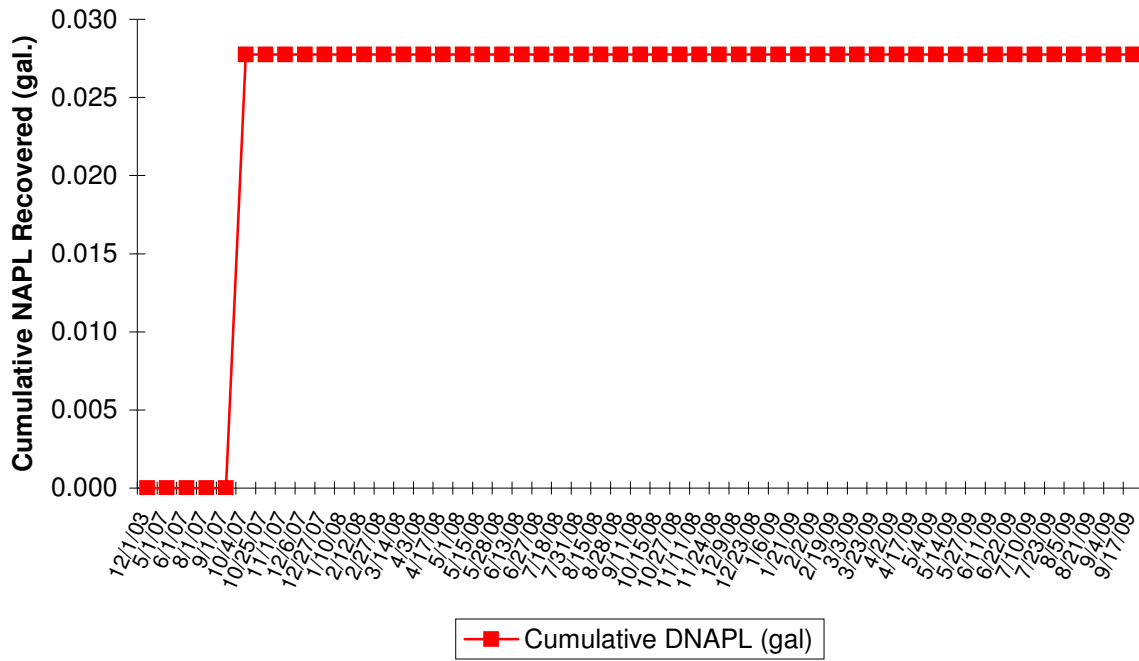


FIGURE 8G
Well HIMW-111 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

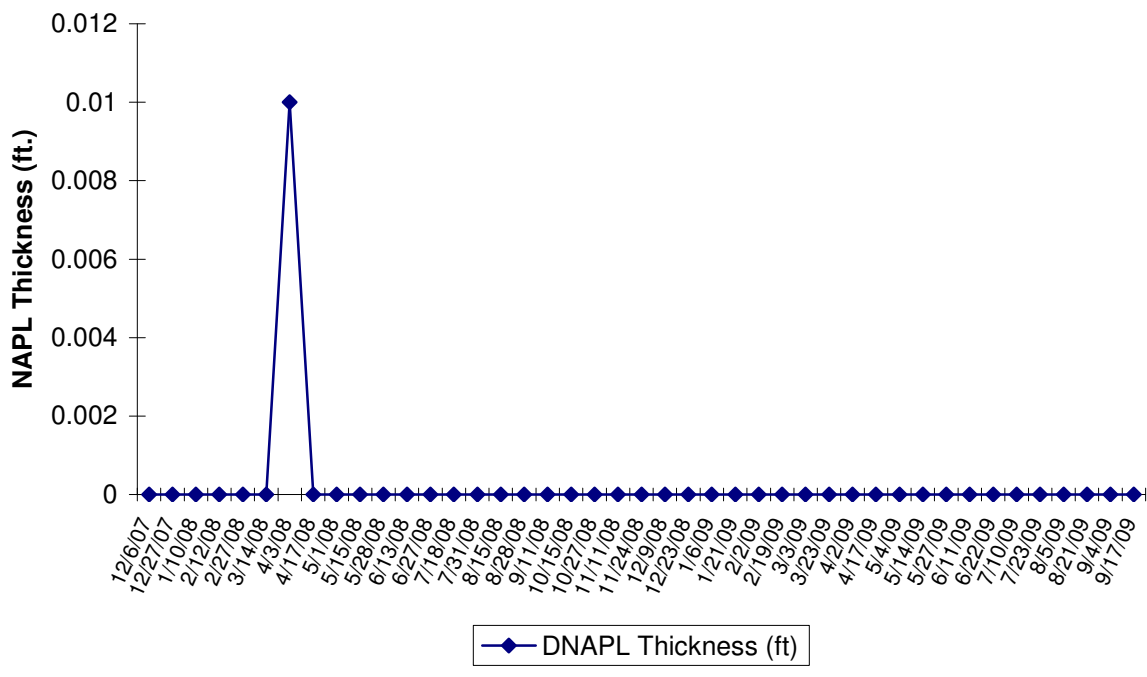
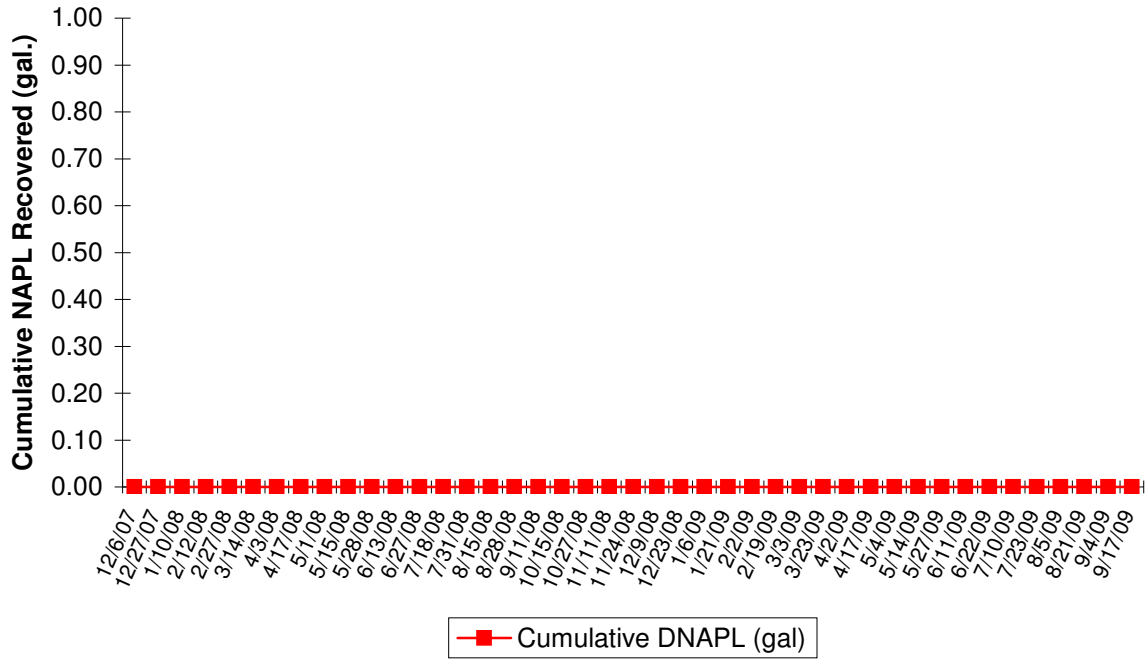


FIGURE 8H
Well HIMW-16S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

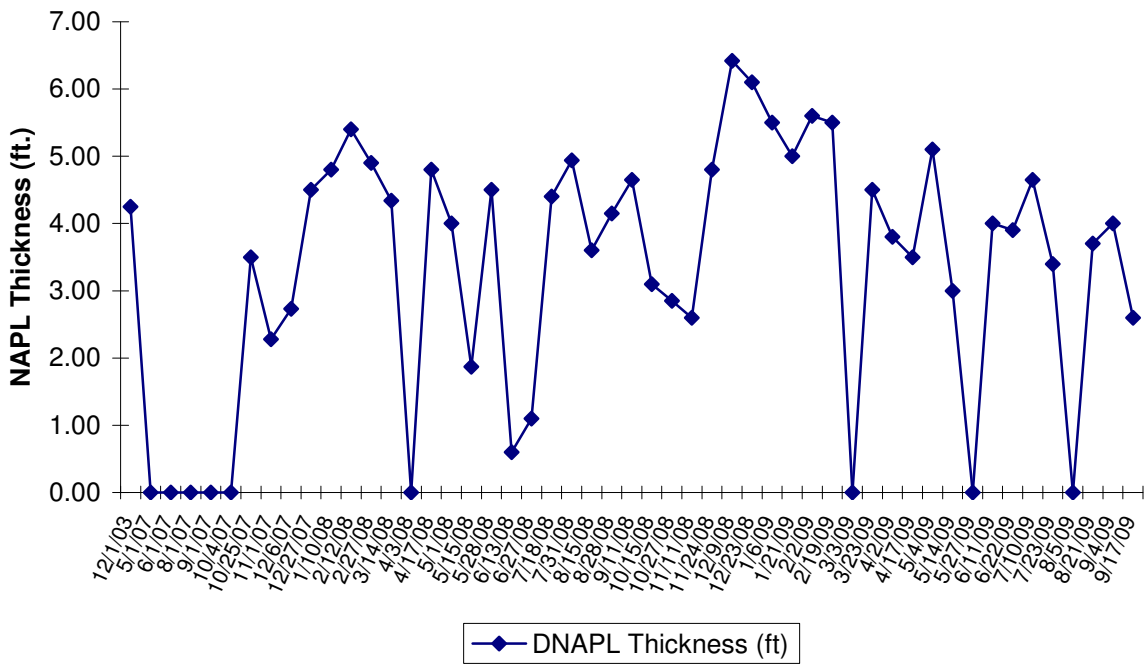
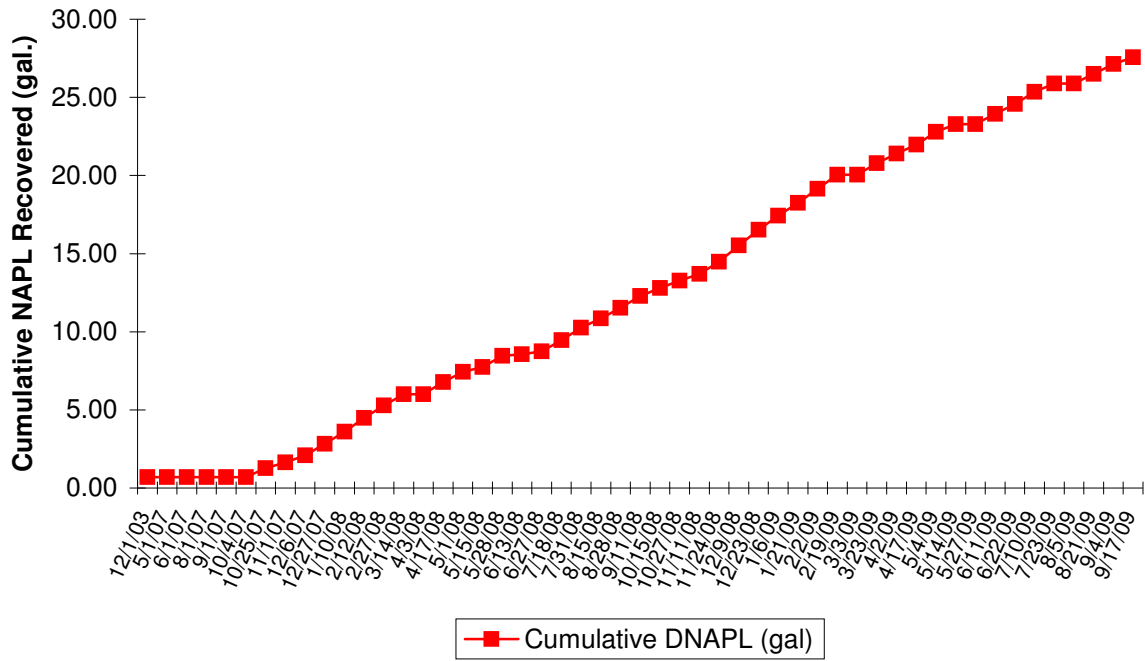


FIGURE 8I
Well HIMW-16I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

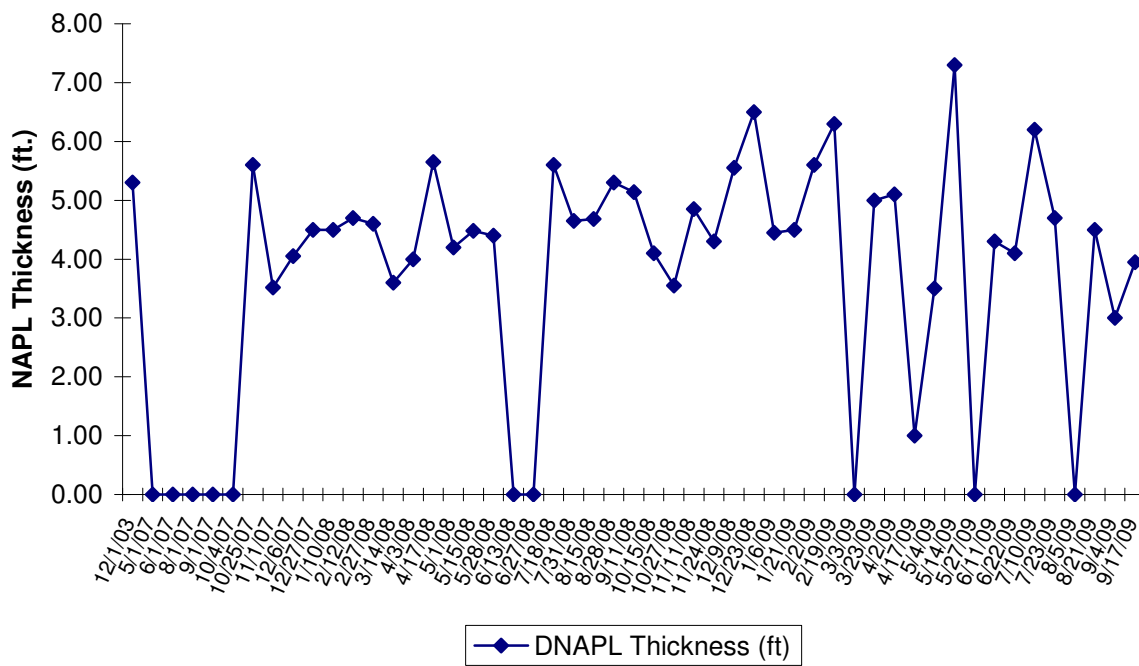
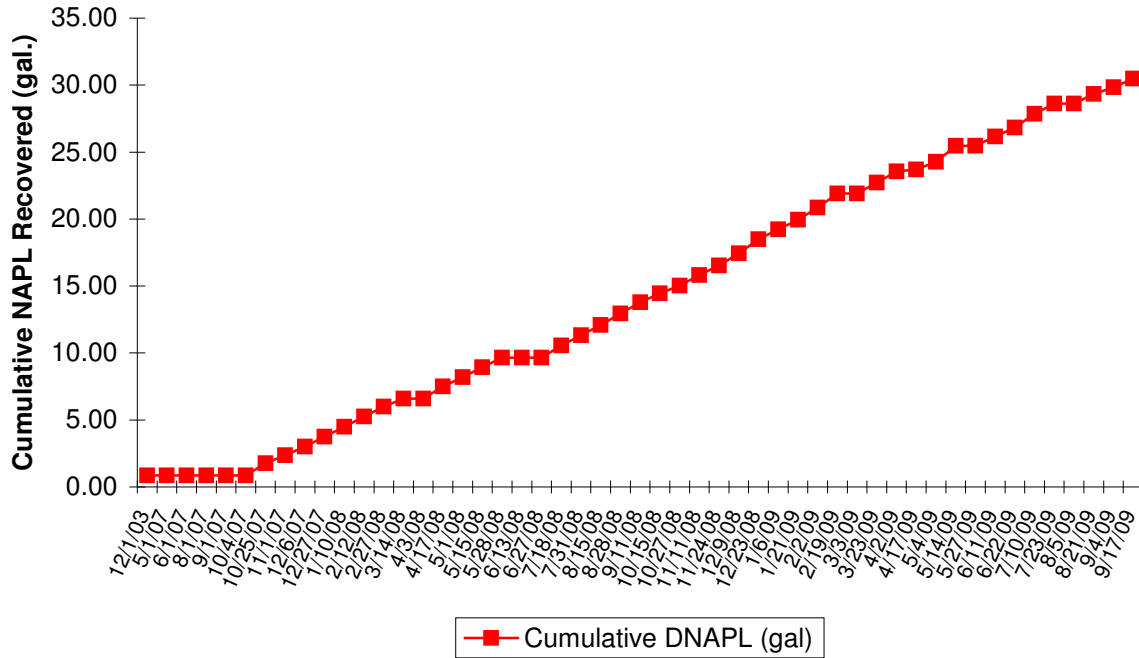


FIGURE 8J
Well HIMW-17S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

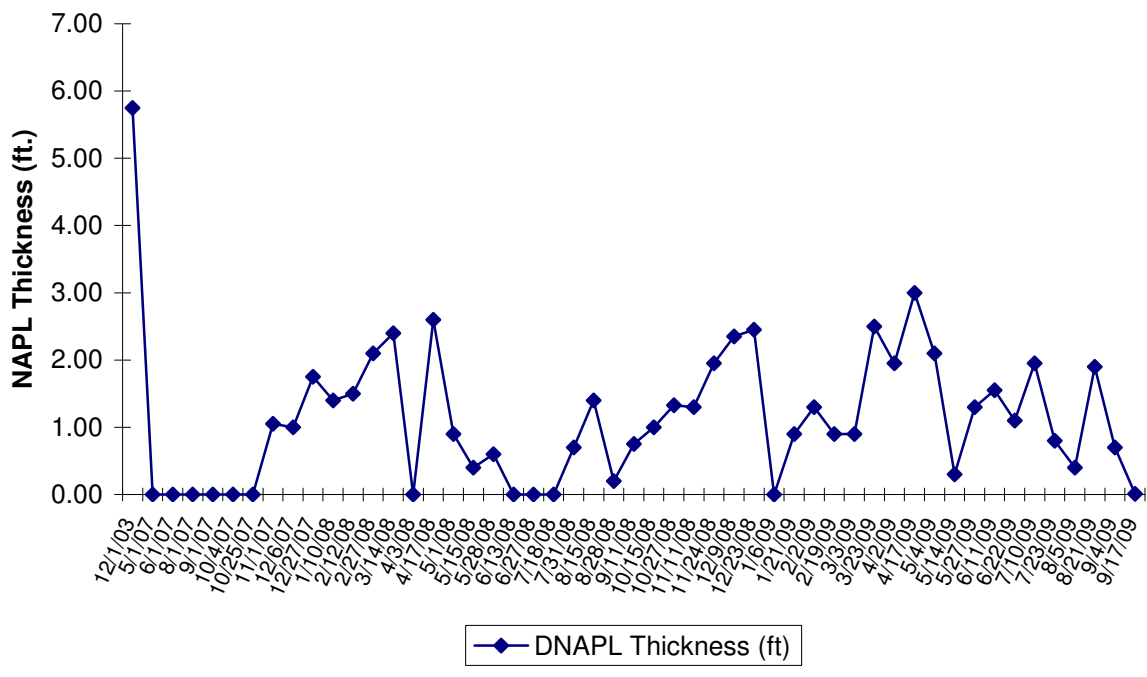
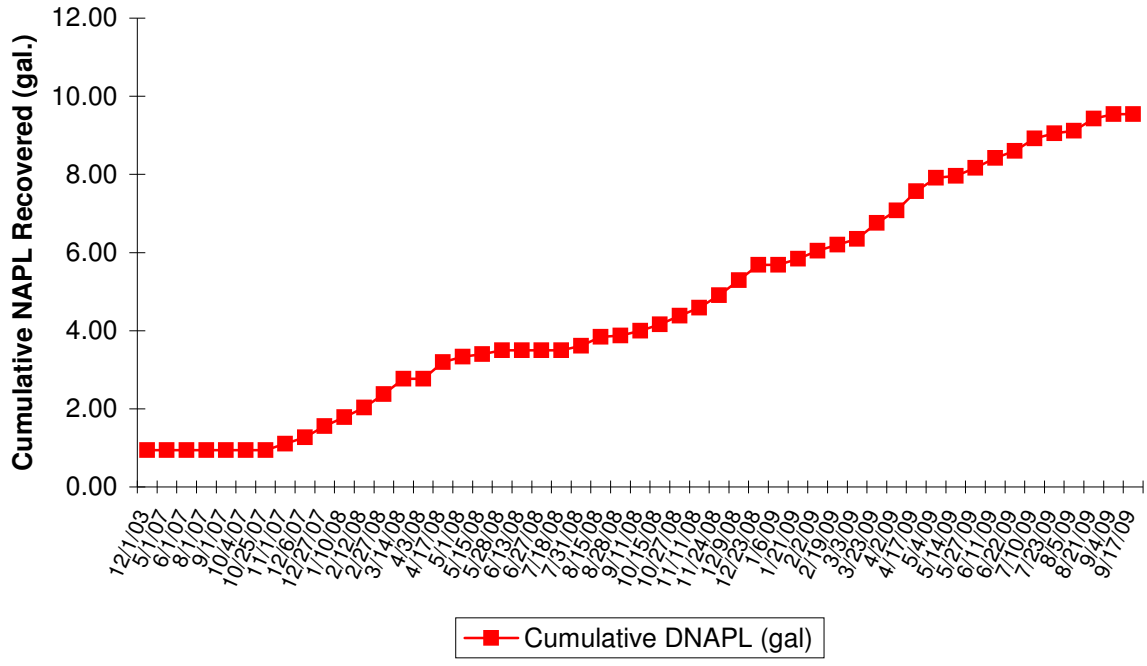


FIGURE 8K
Well HIMW-18S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

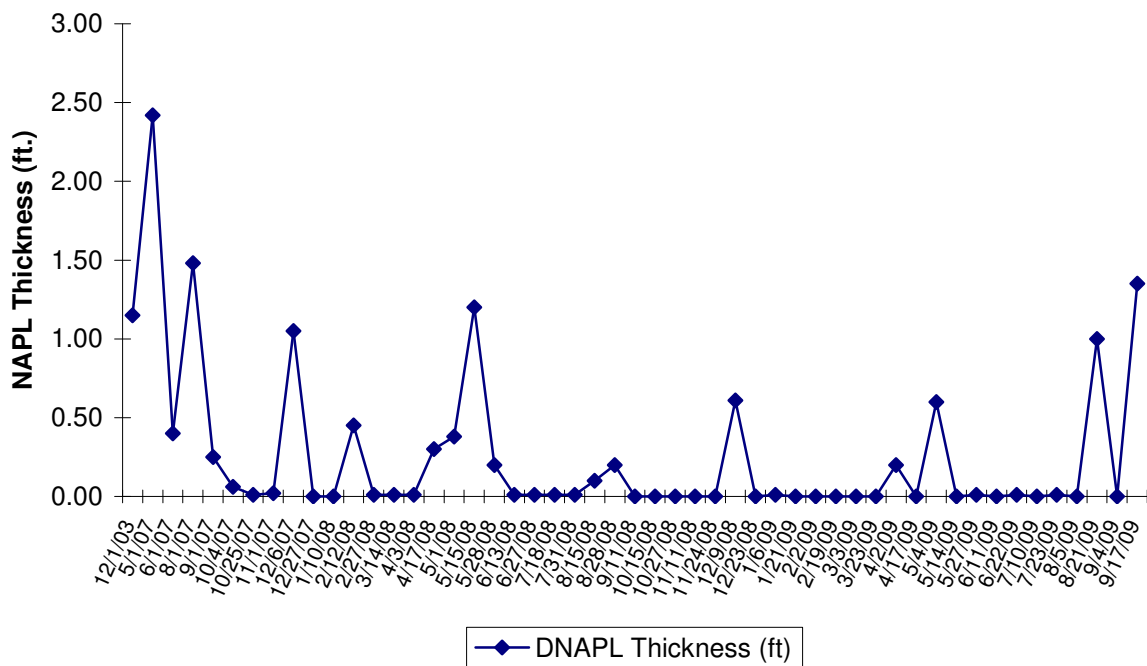
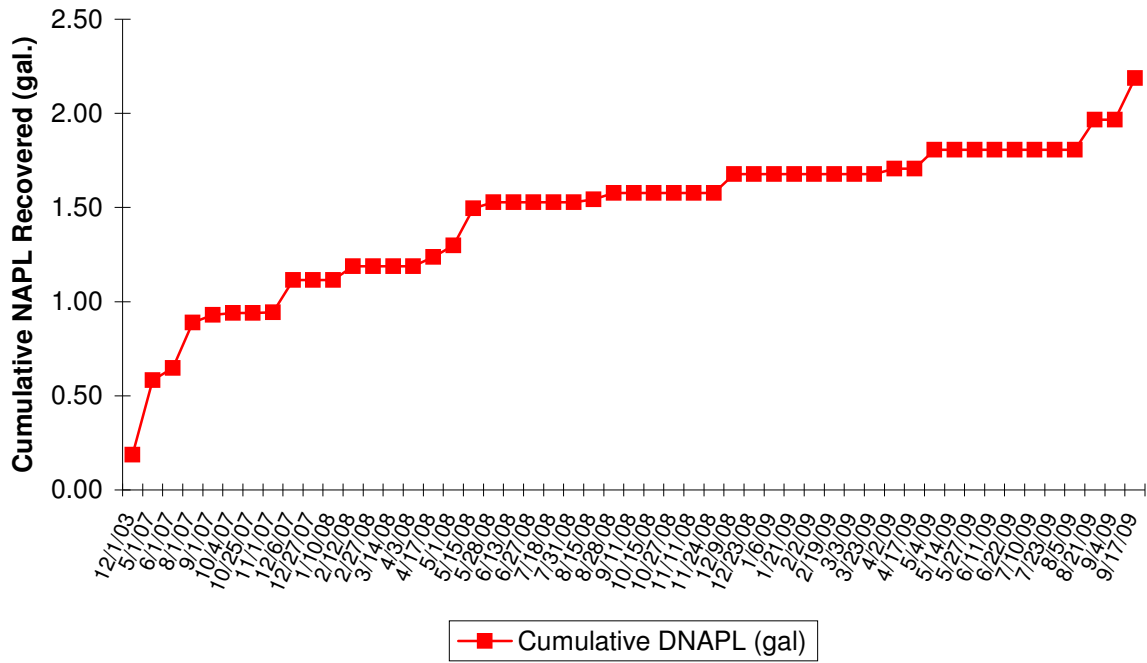


FIGURE 8L
Well HIMW-18I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

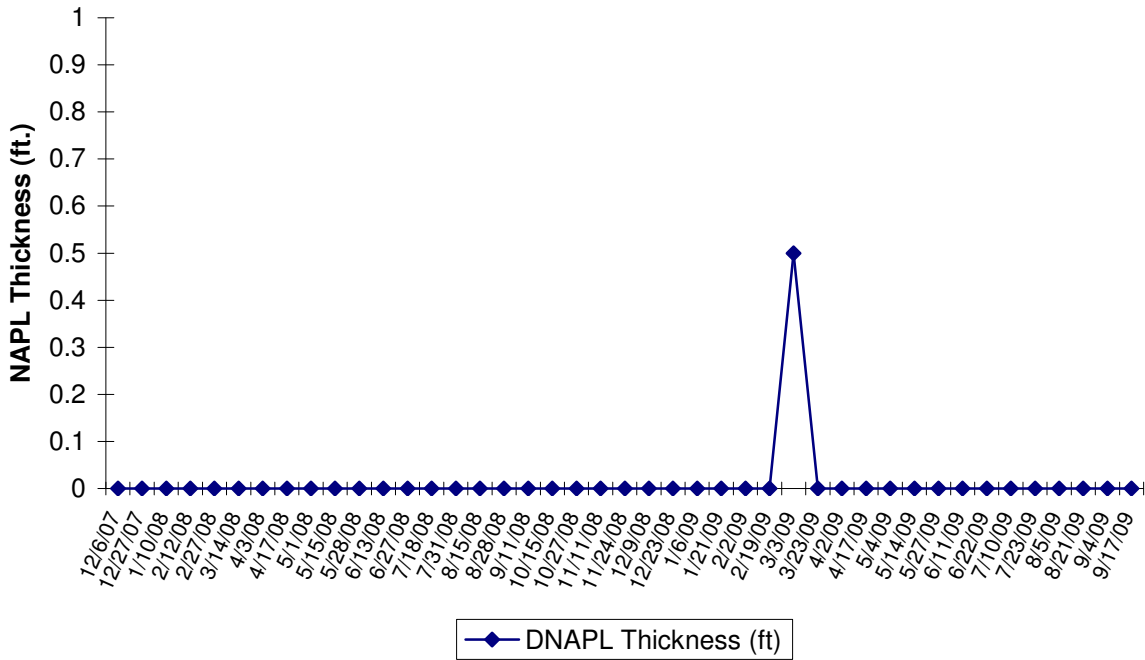
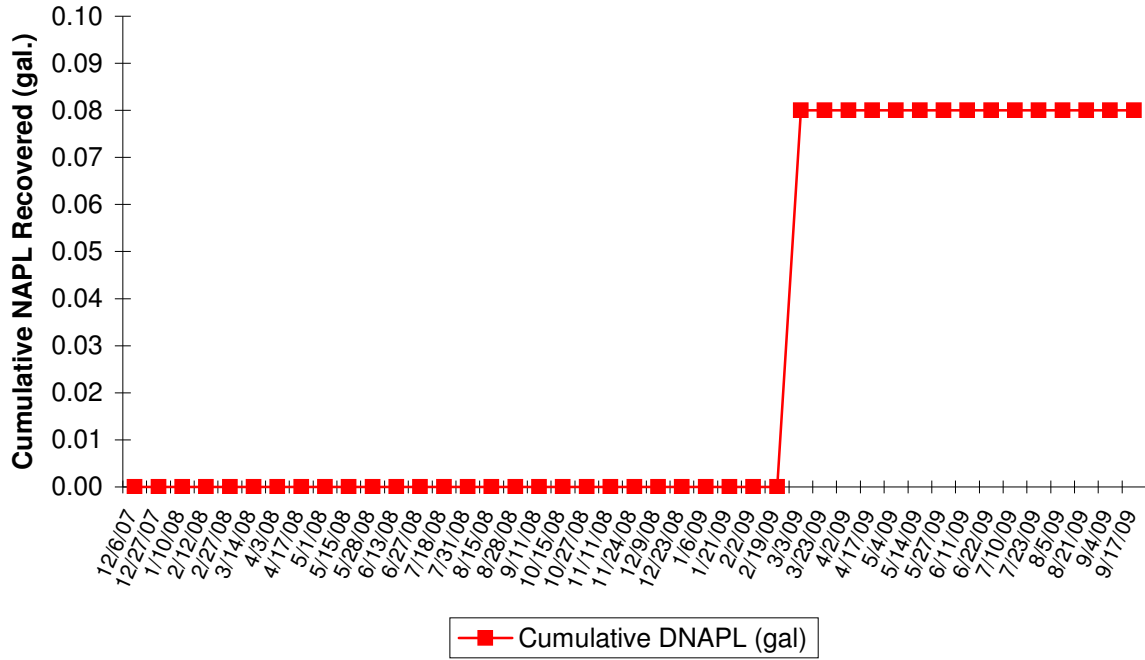


FIGURE 8M
Well HIMW-19S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

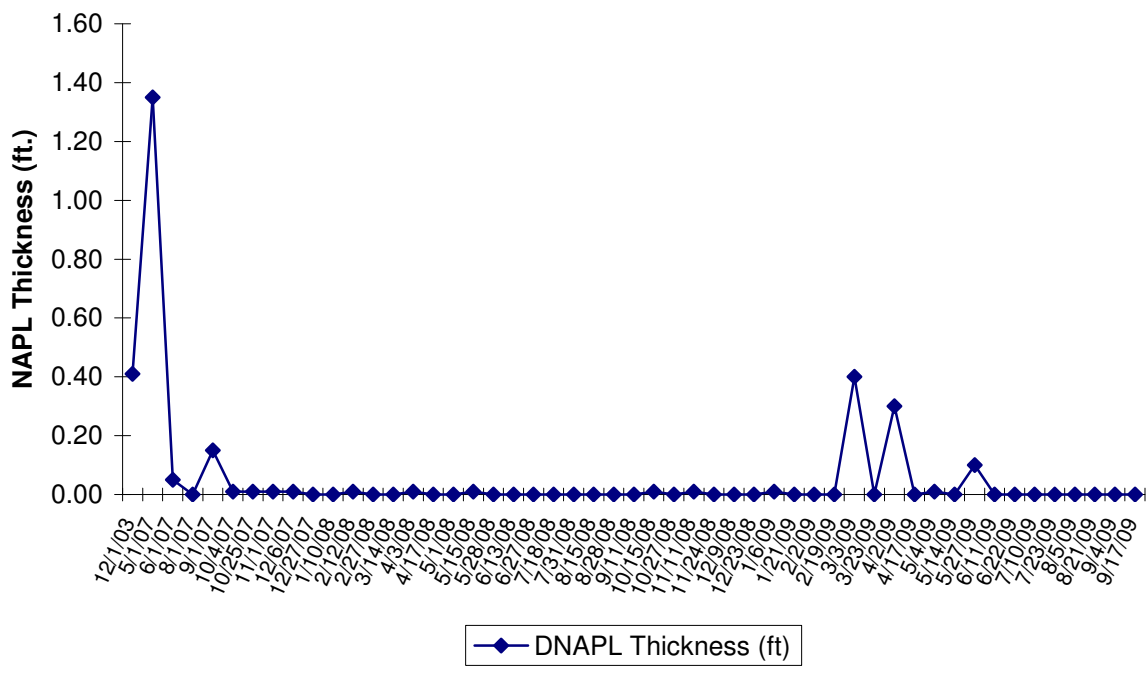
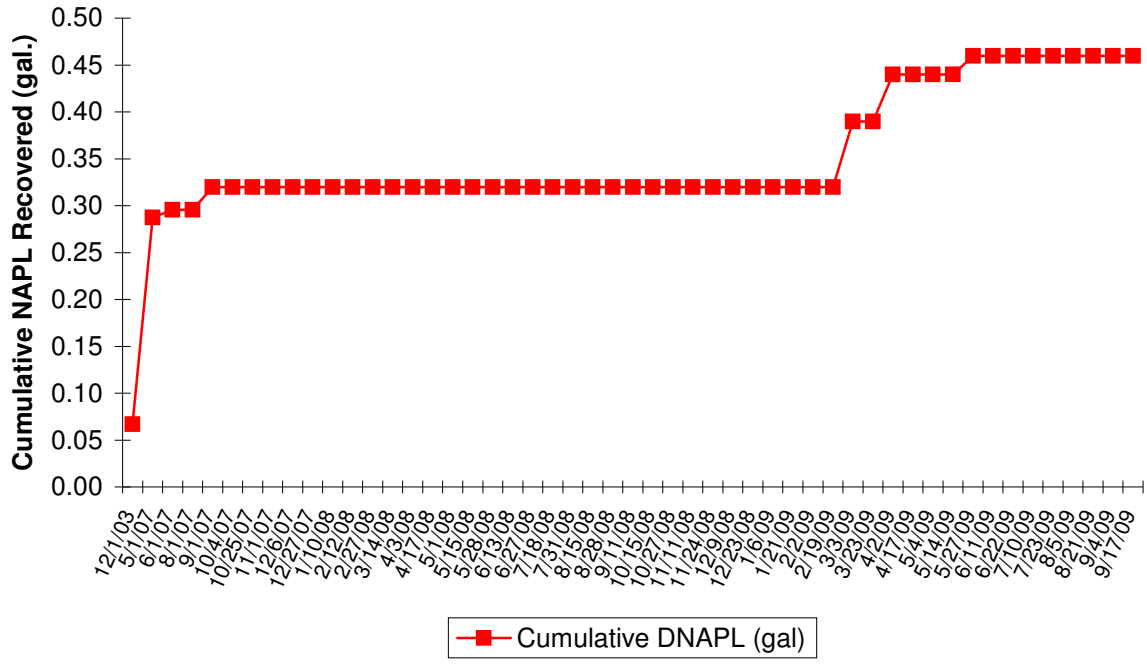


FIGURE 8N
Well HIMW-19I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

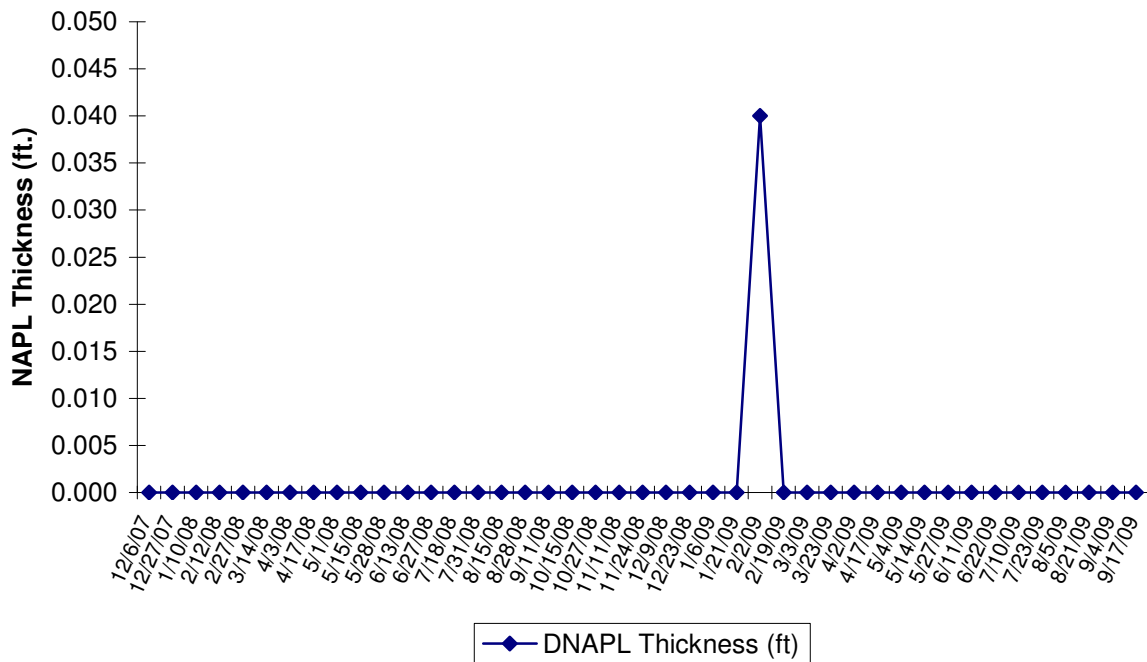
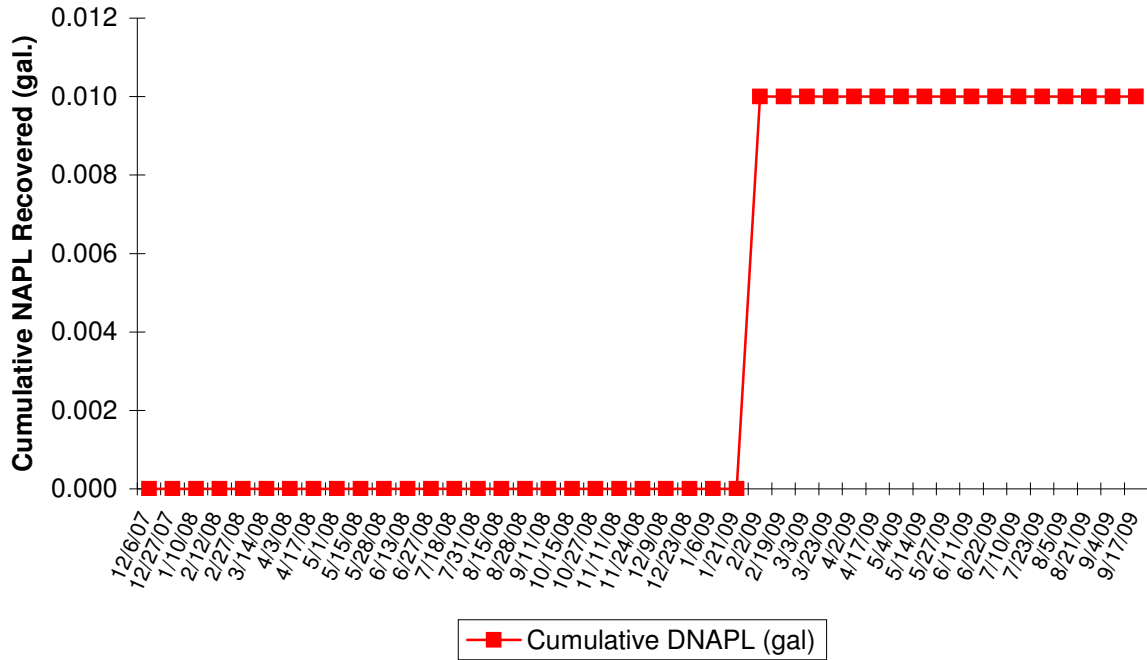


FIGURE 80
Well PZ-08 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

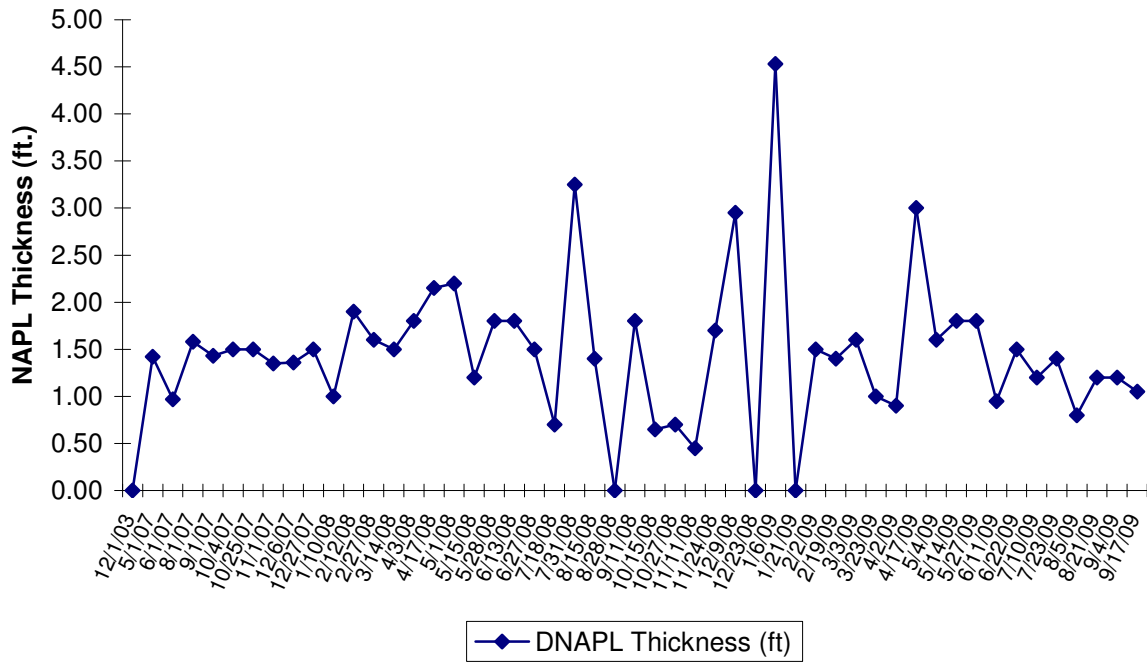
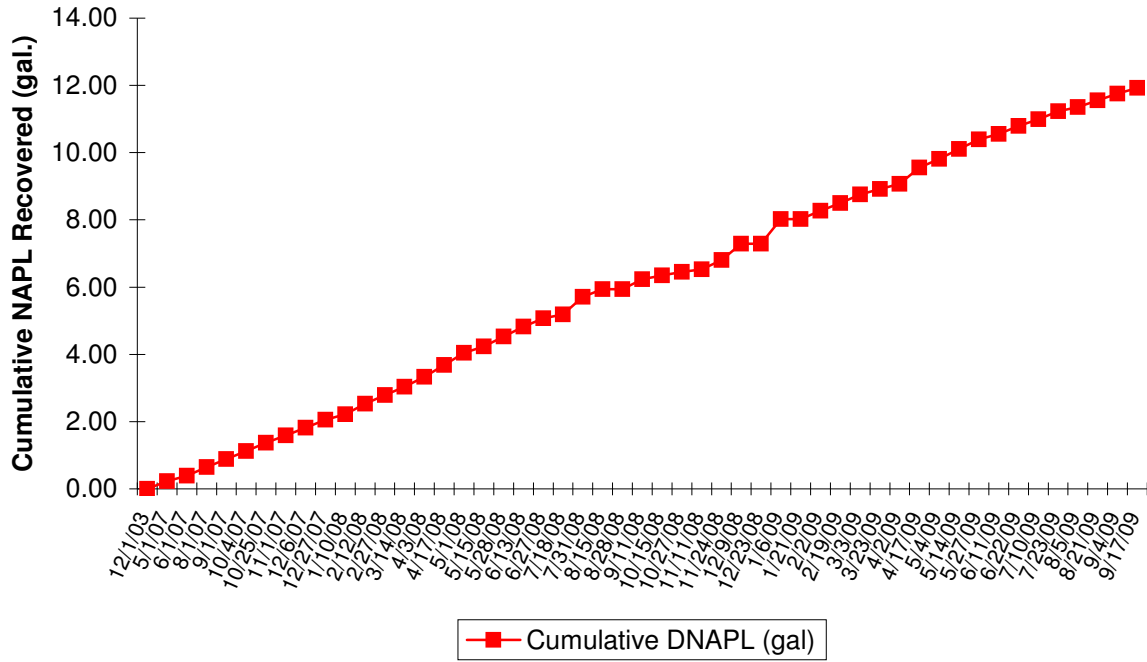


FIGURE 8P
Well IPR-02 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

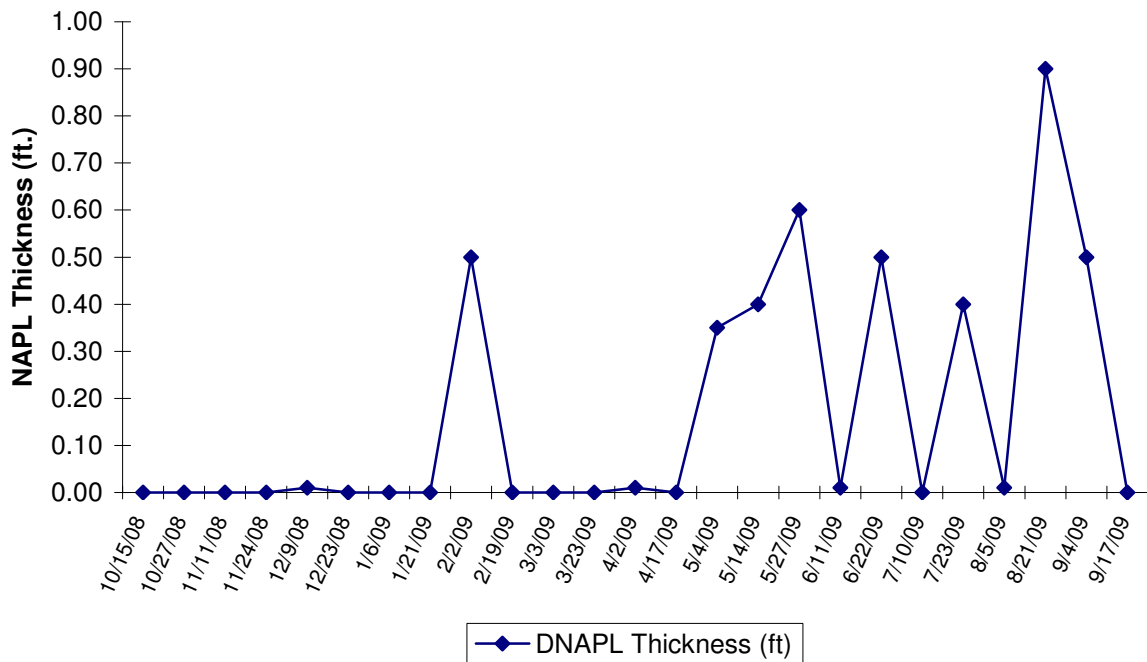
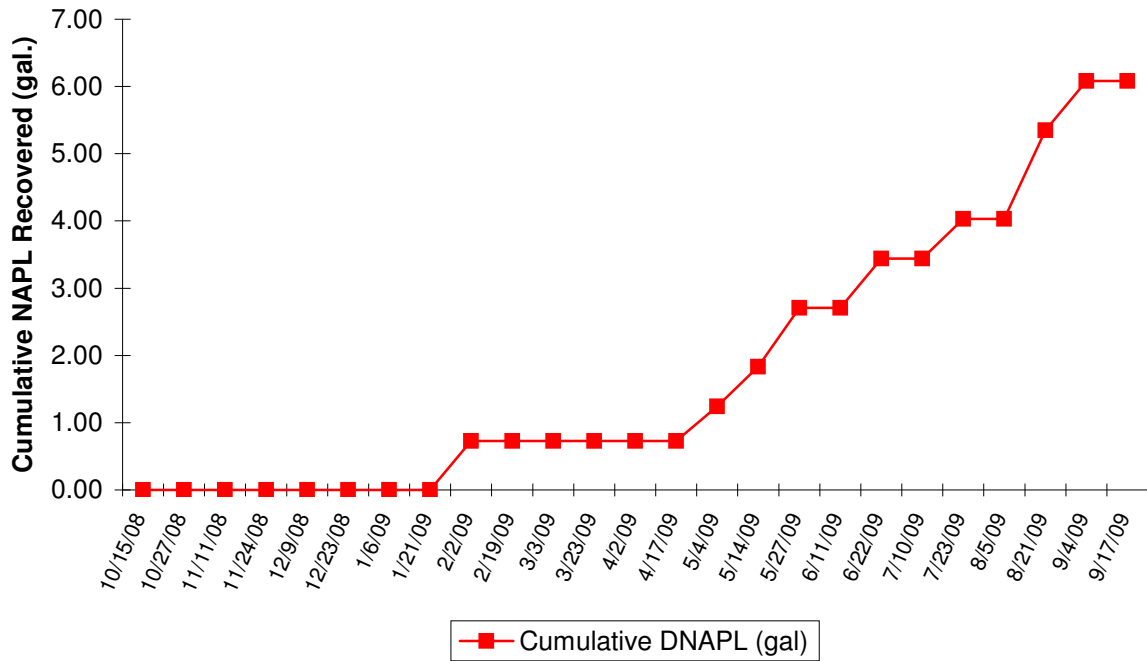


FIGURE 8Q
Well IPR-05 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

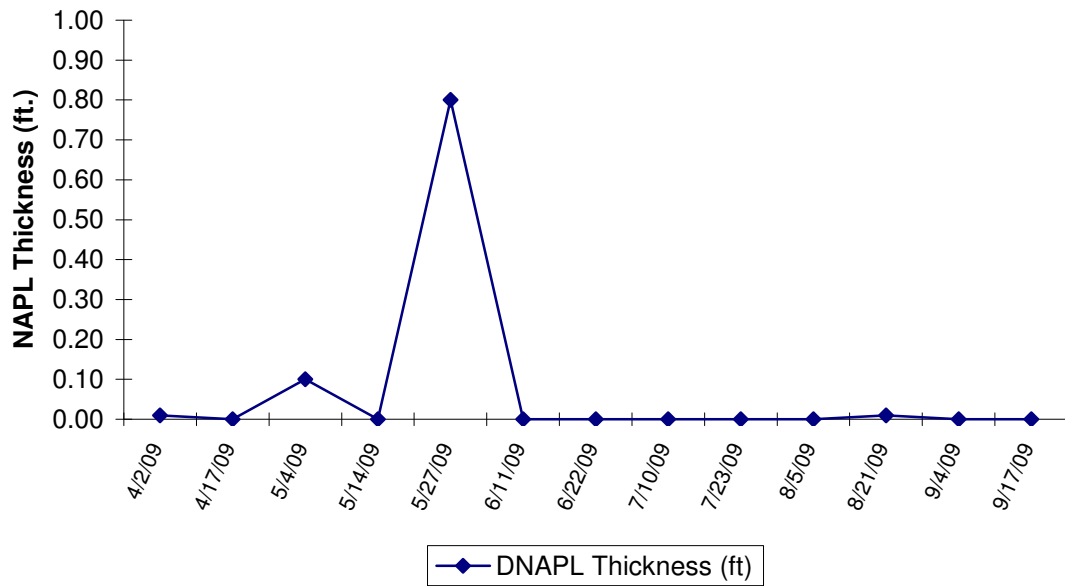
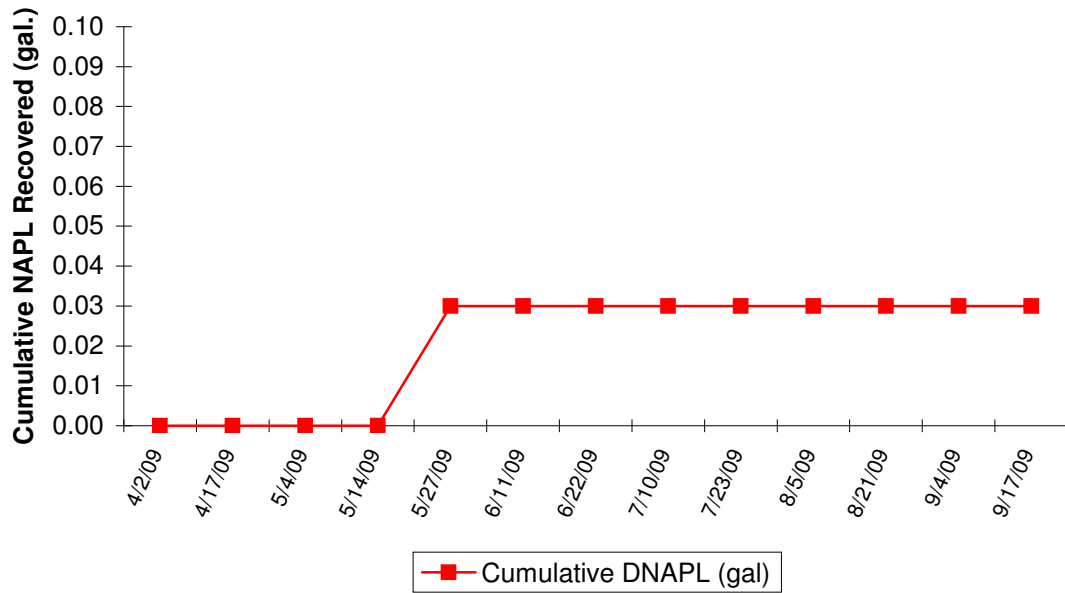


FIGURE 8R
Well IPR-06 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

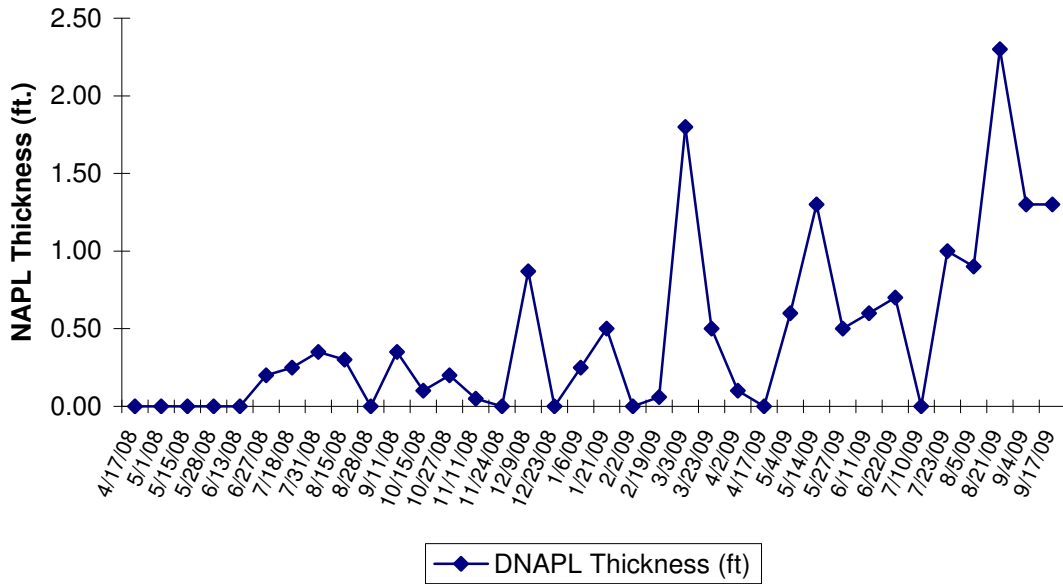
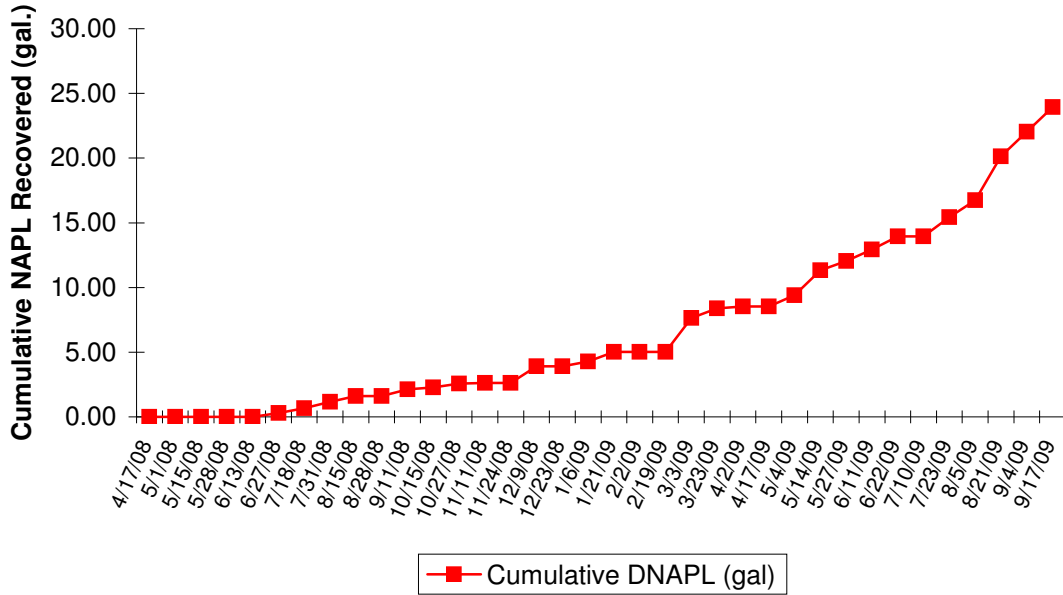


FIGURE 8S
Well IPR-12A NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

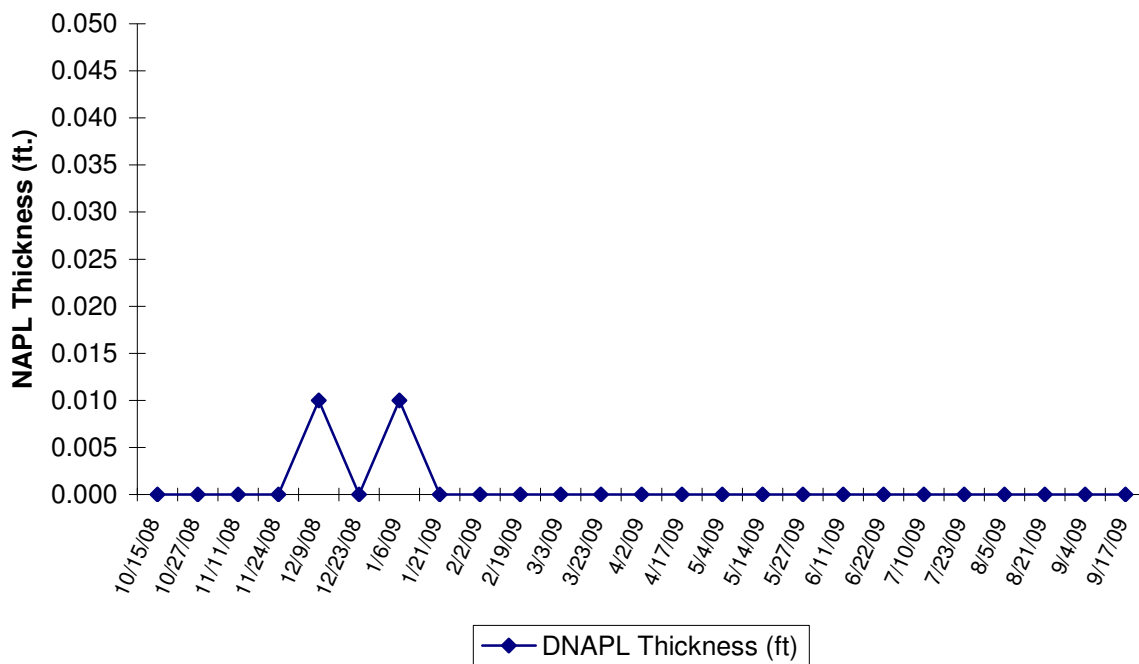
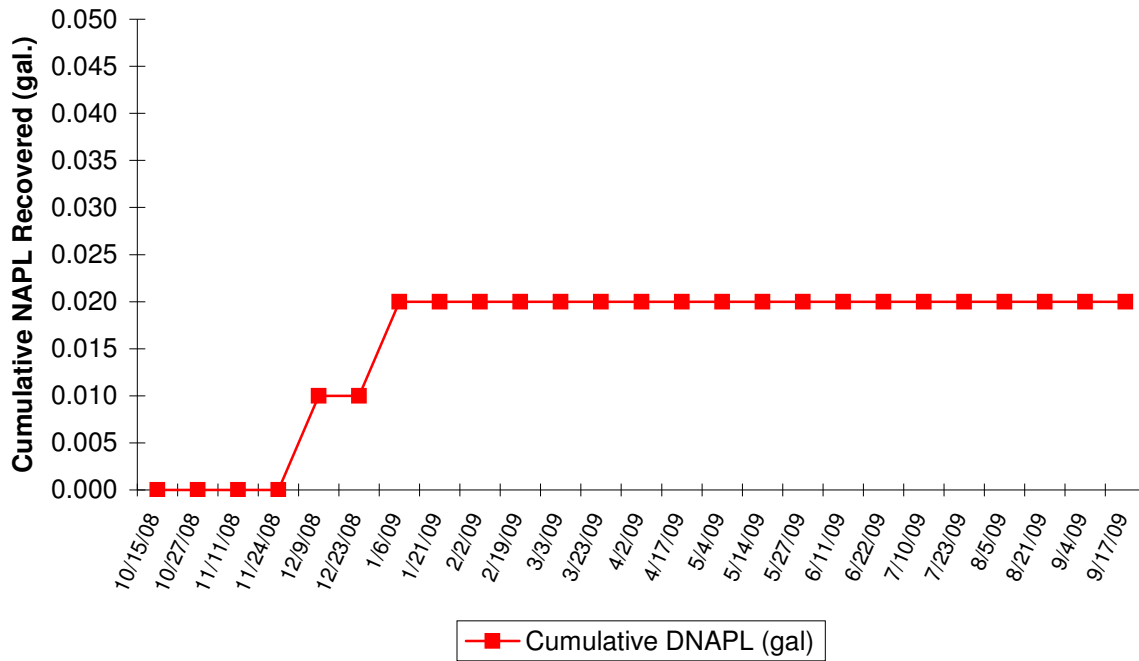


FIGURE 8T
Well IPR-15 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

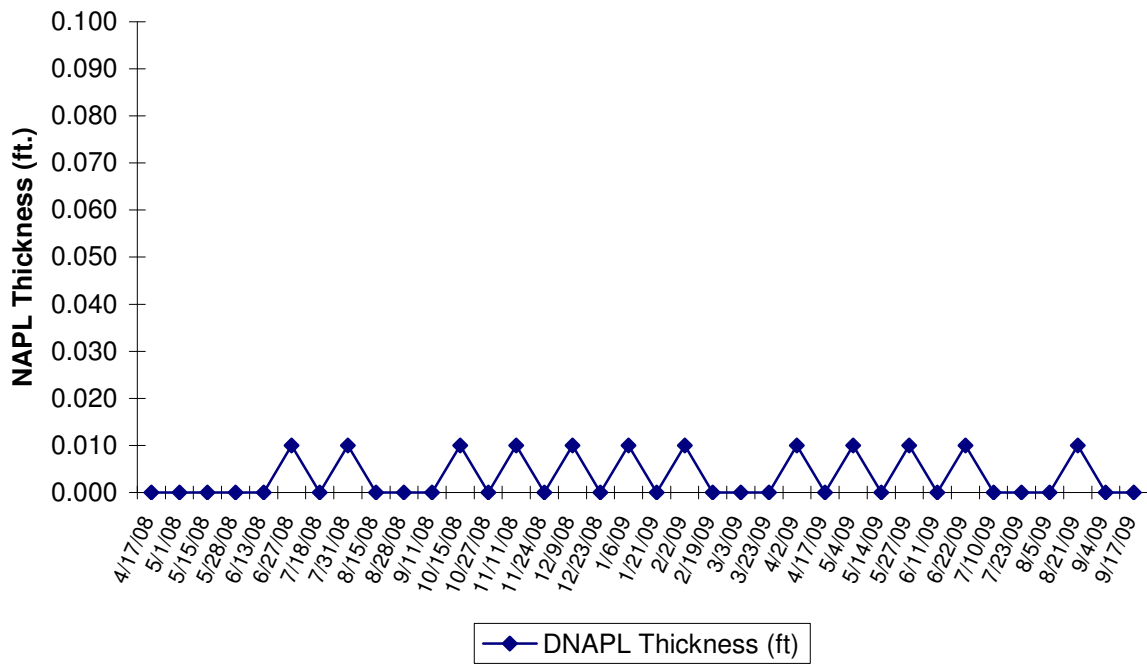
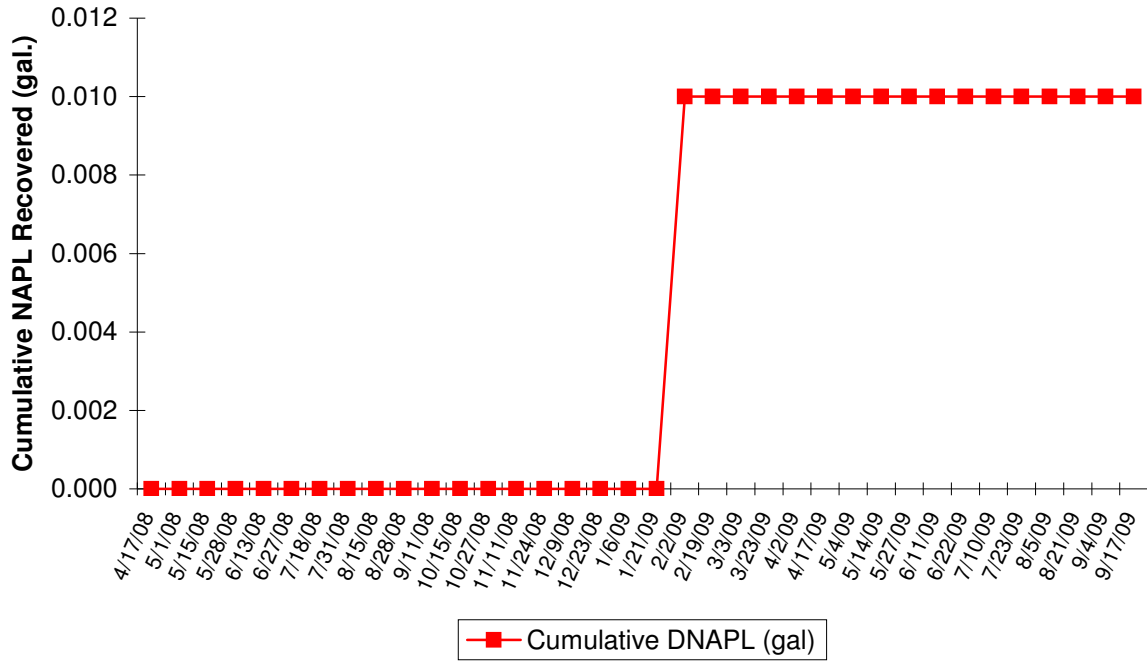


FIGURE 8U
Well IPR-16 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

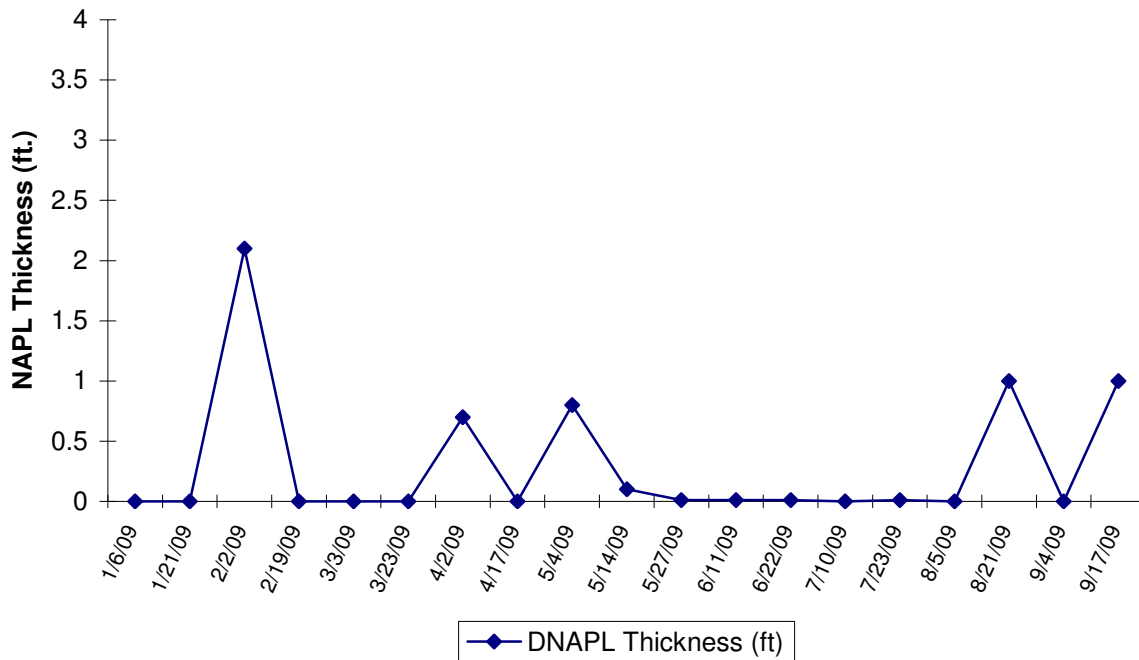
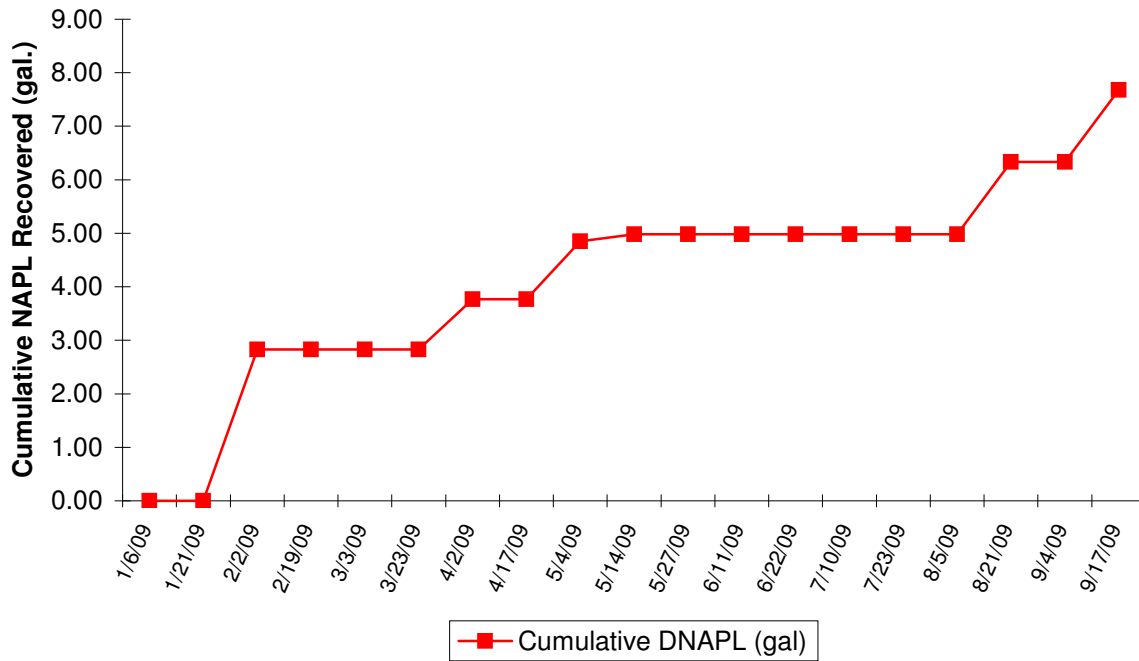


FIGURE 8V
Well IPR-17 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

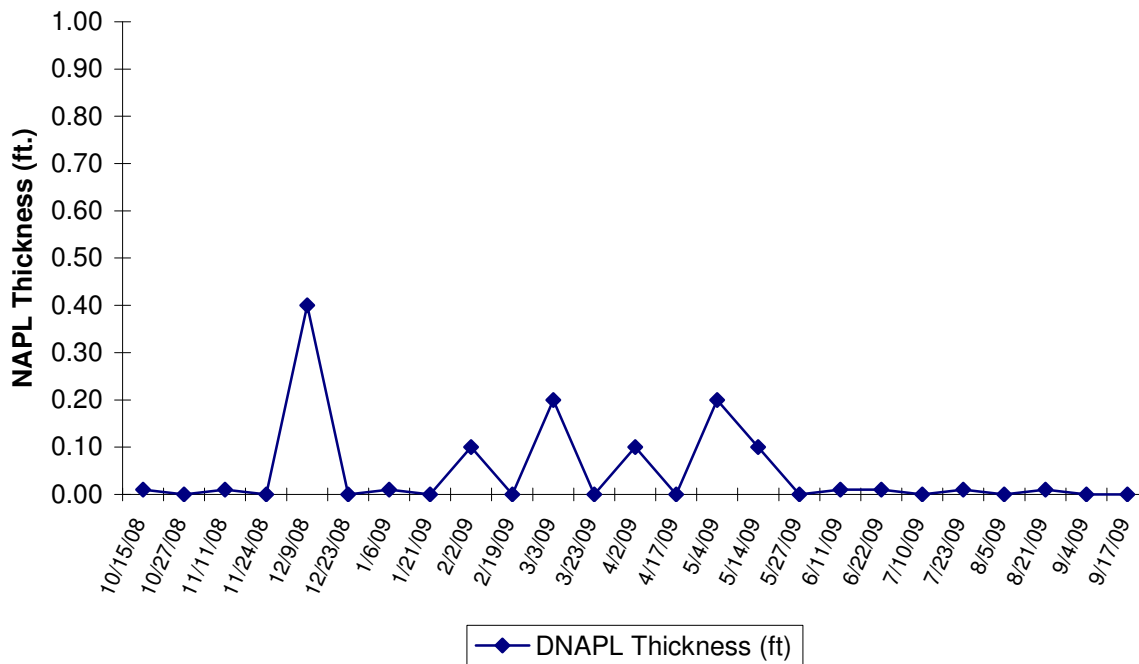
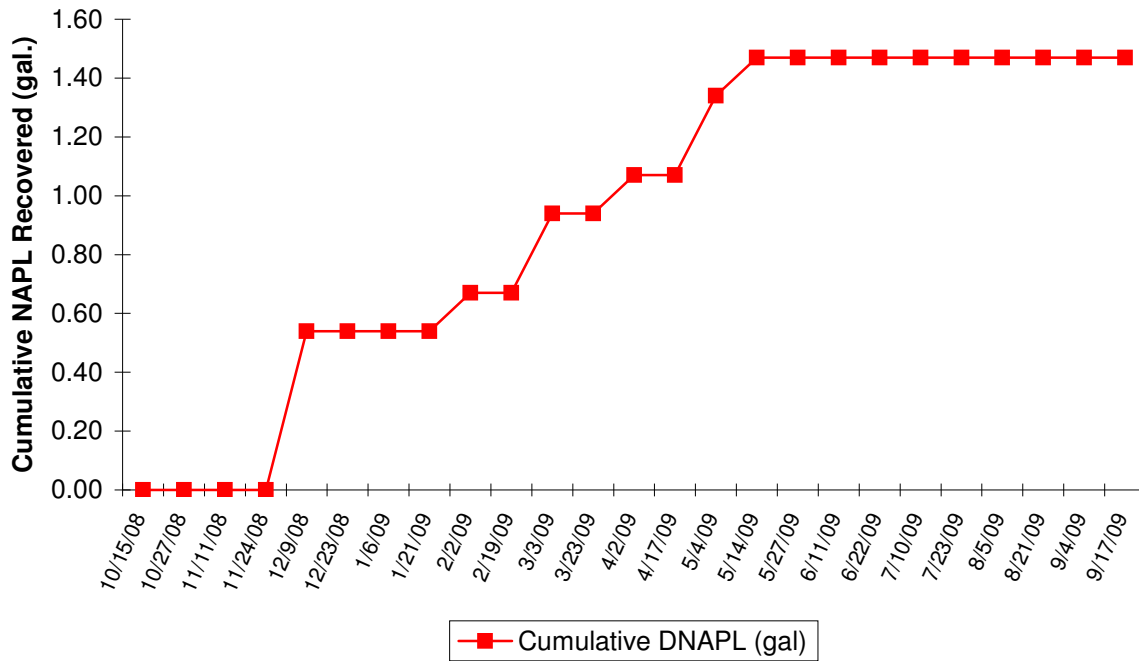


FIGURE 8W
Well IPR-18 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

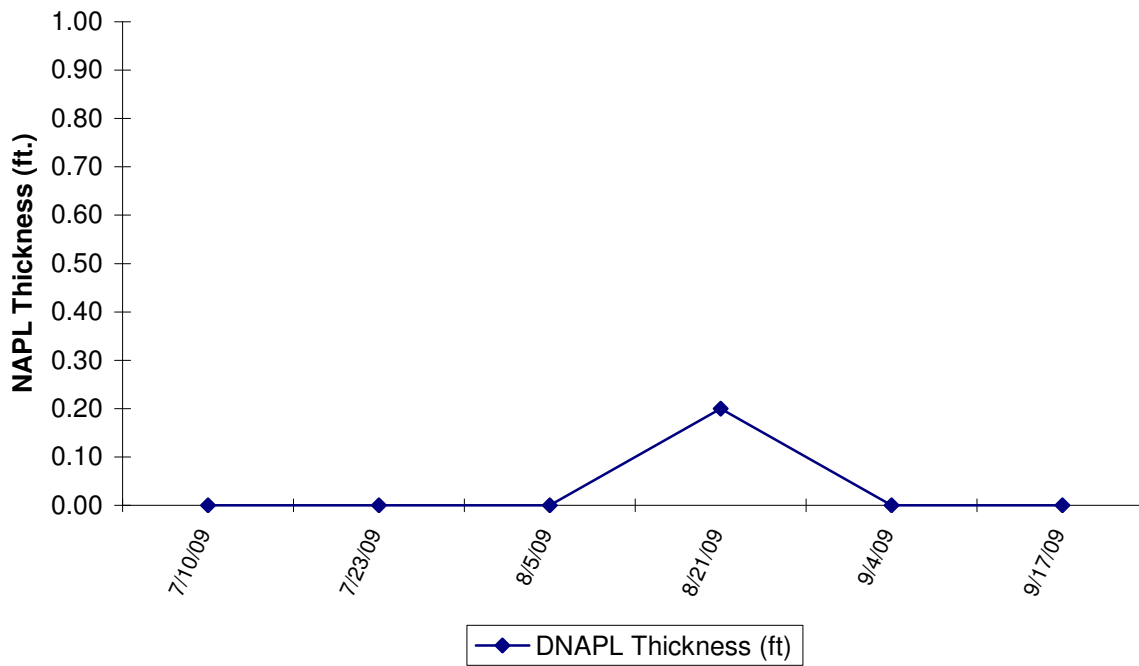
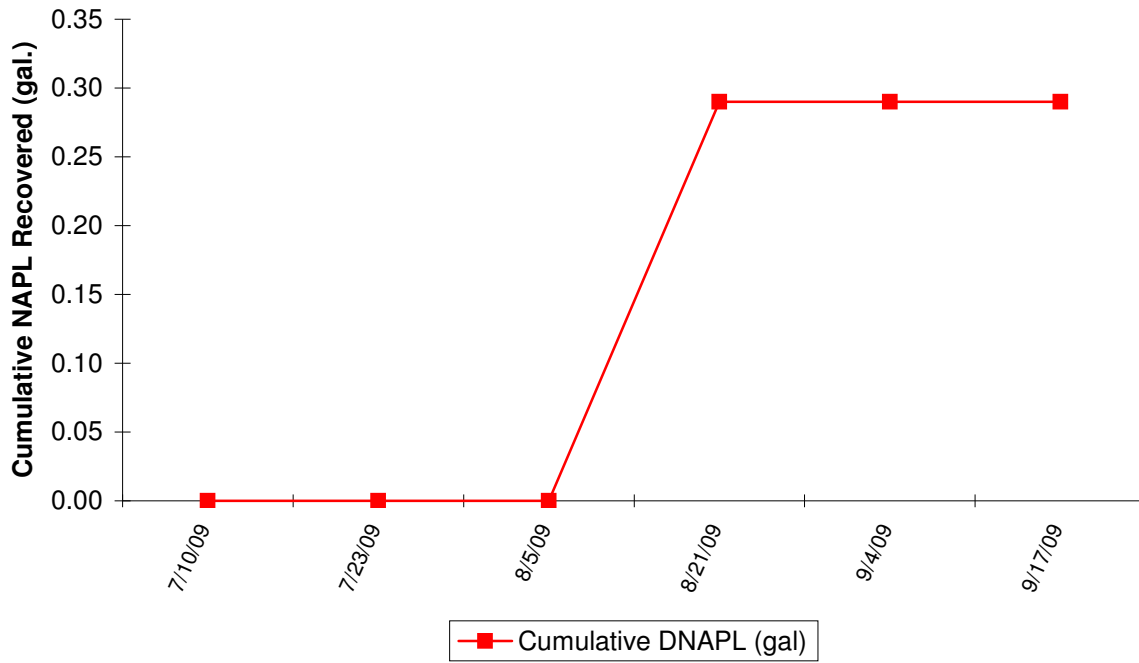


FIGURE 8X
Well IPR-20 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

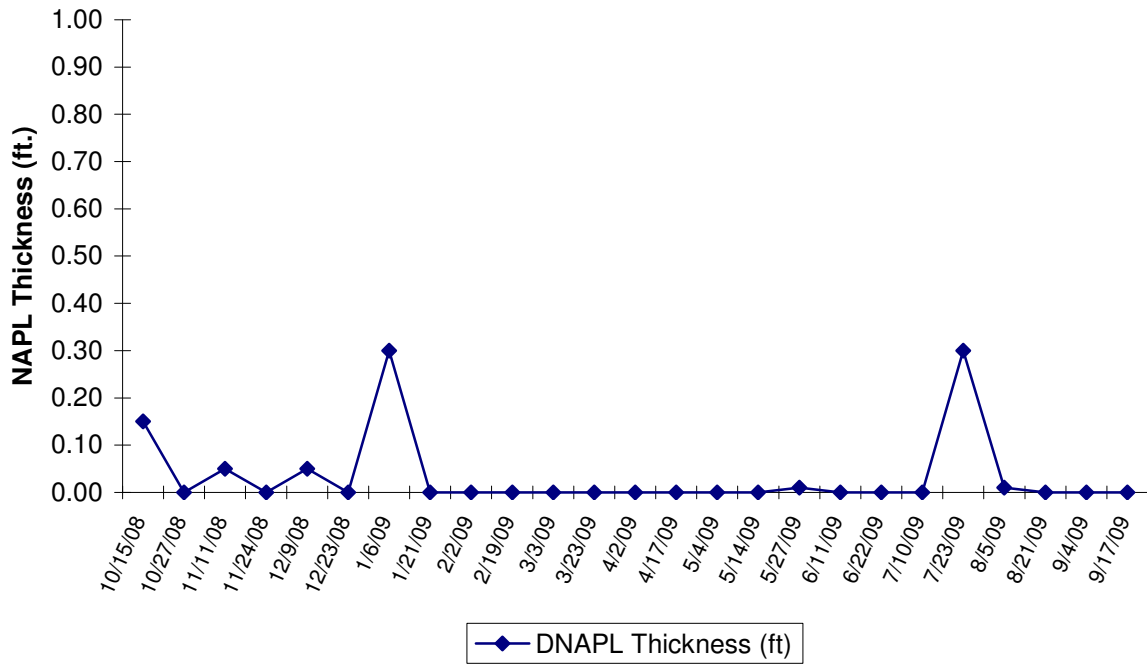
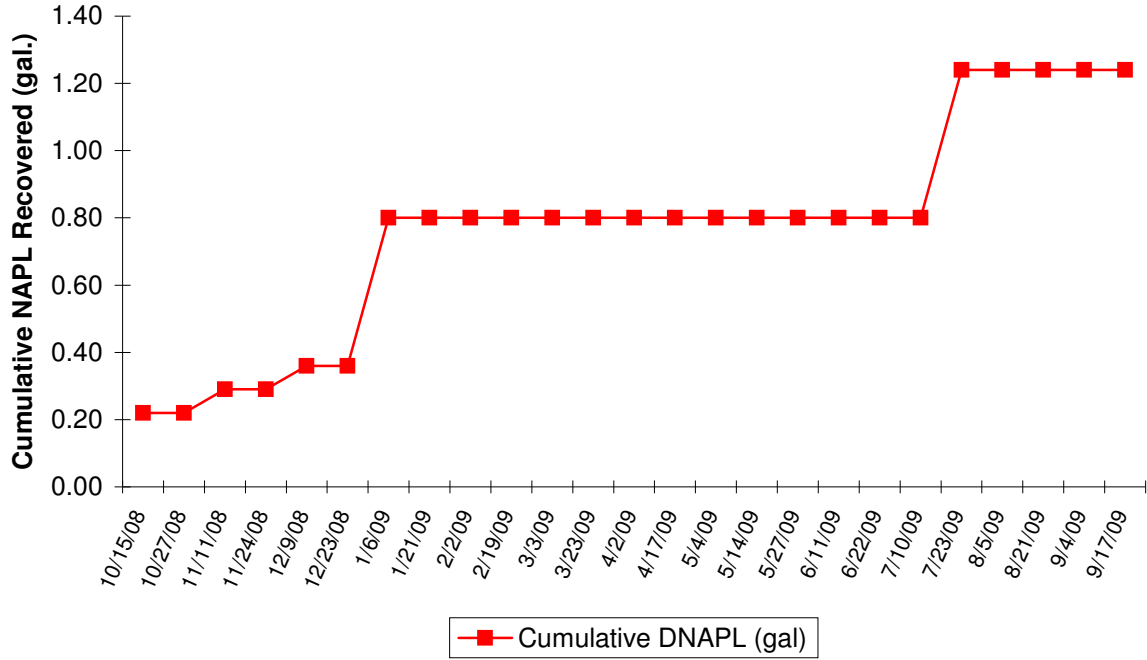


FIGURE 8Y
Well IPR-21 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

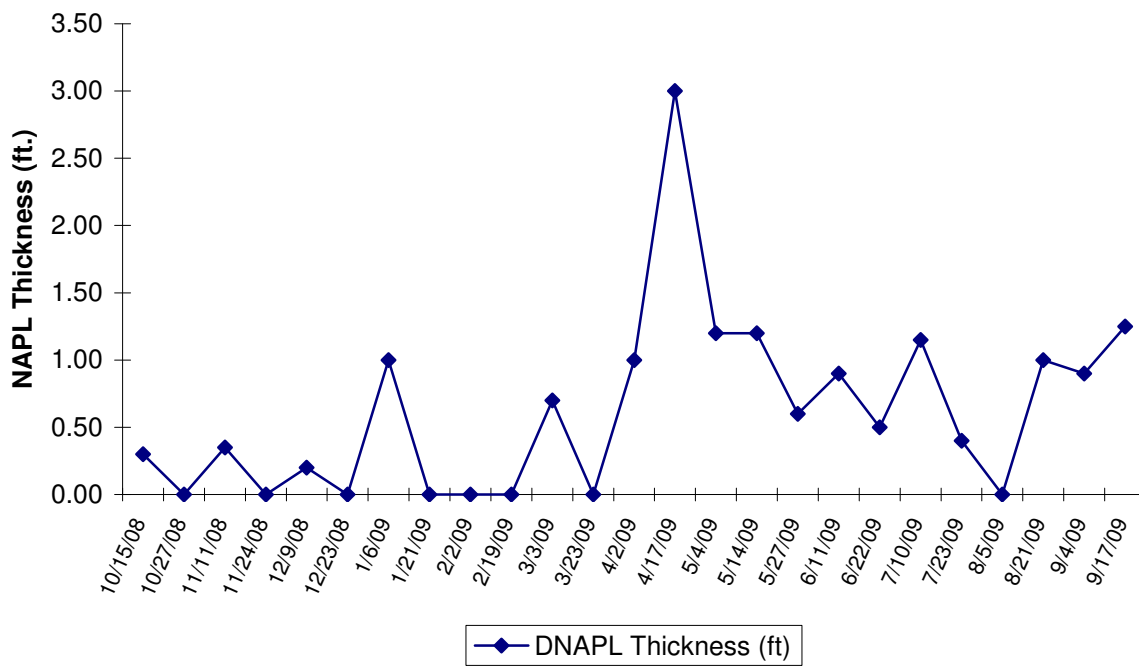
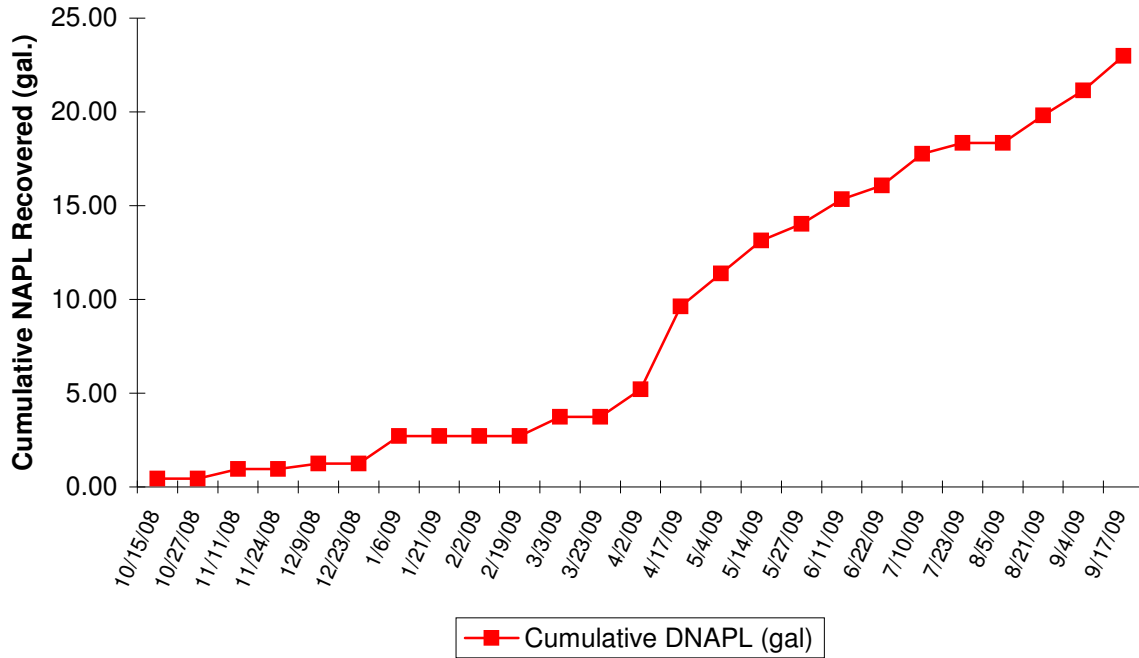


FIGURE 8Z
Well IPR-22 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

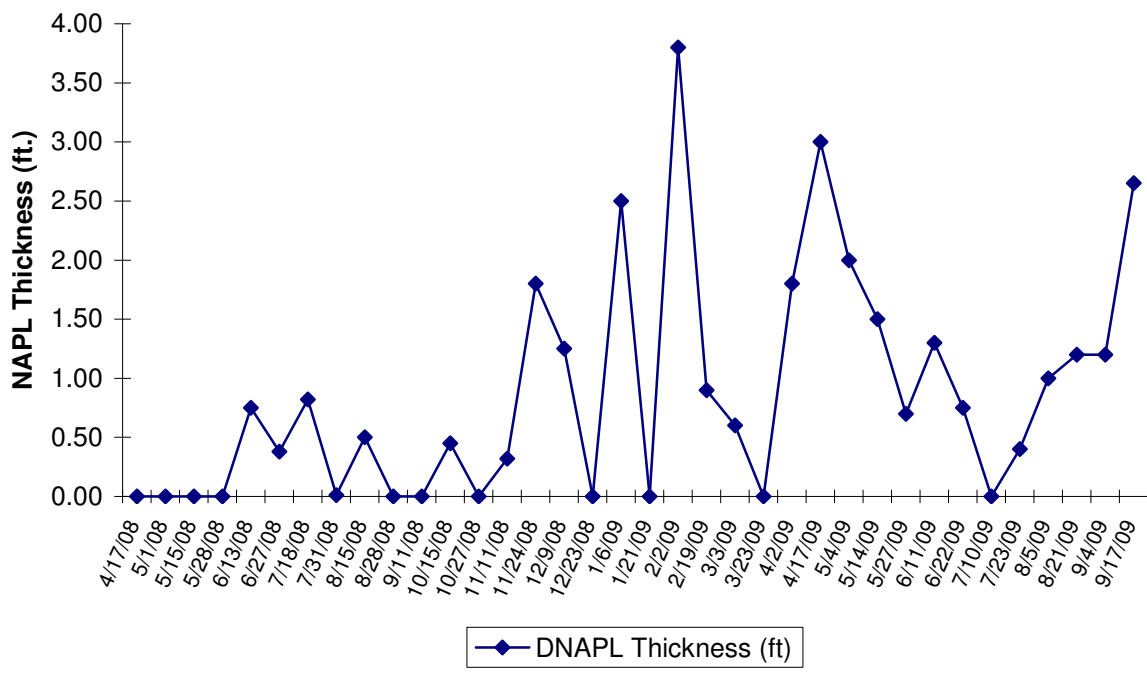
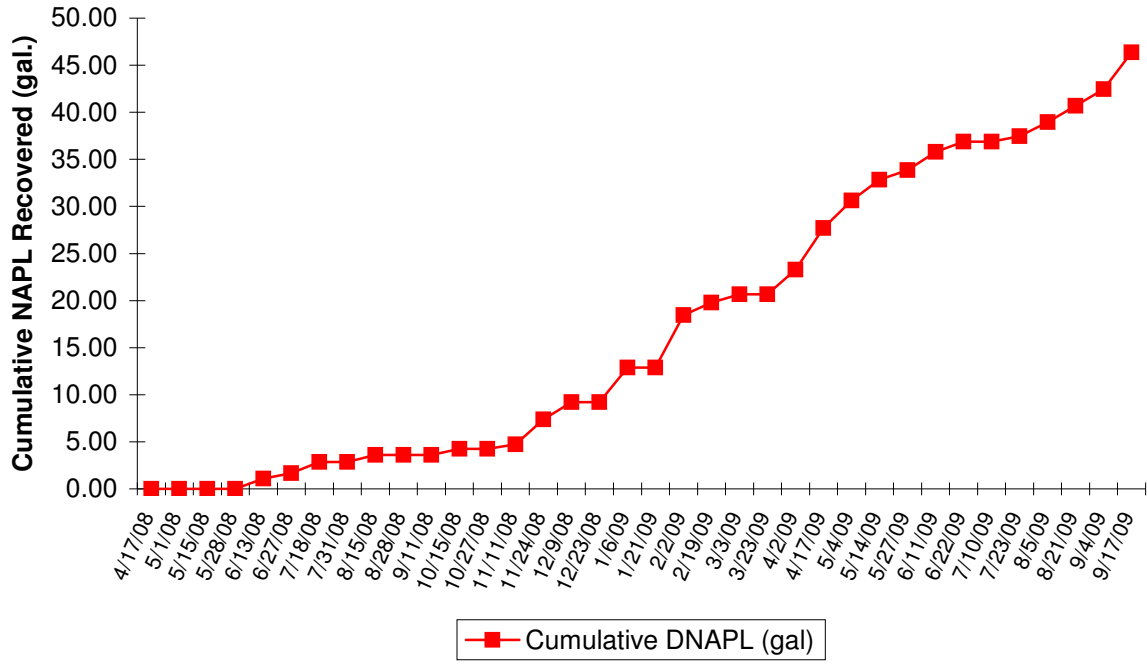


FIGURE 8AA
Well IPR-24 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

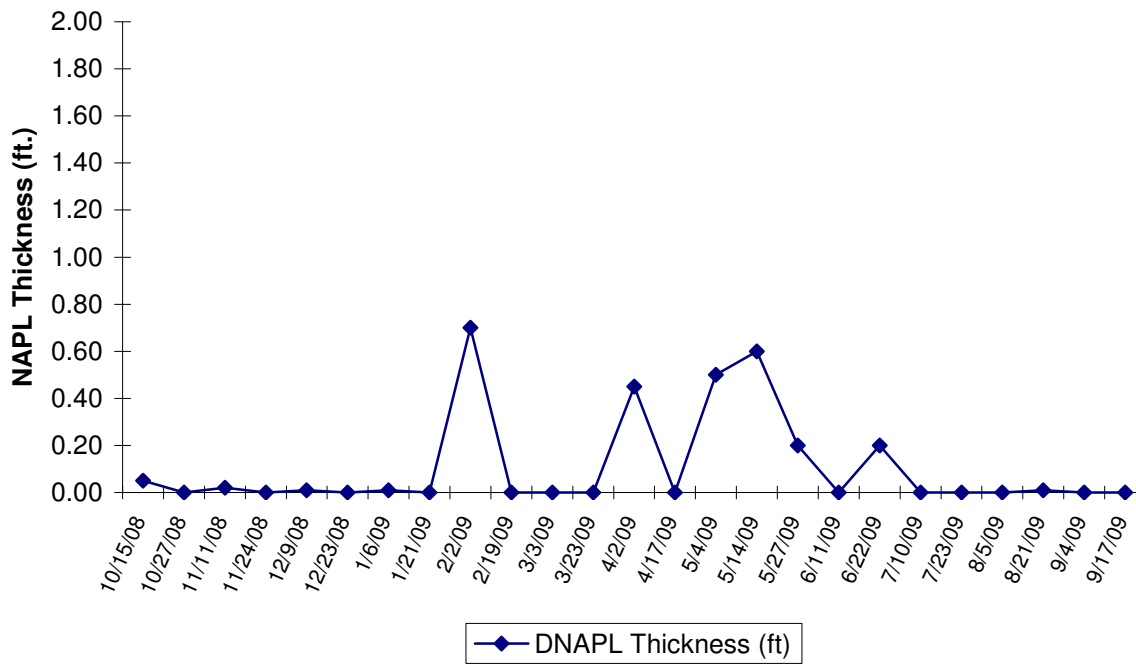
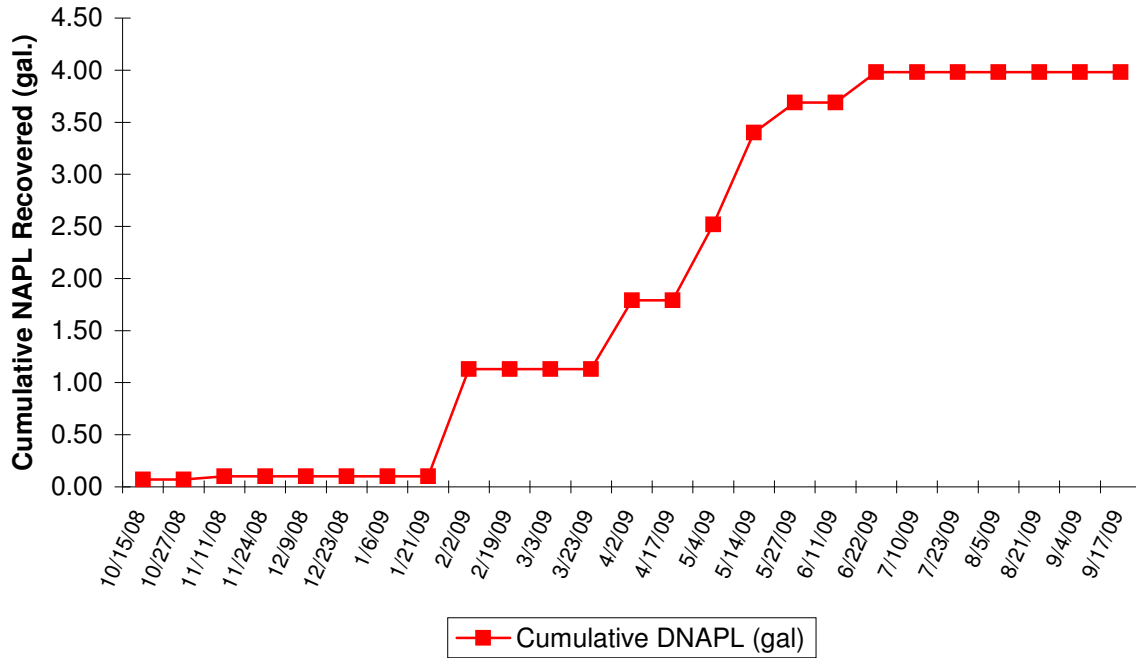
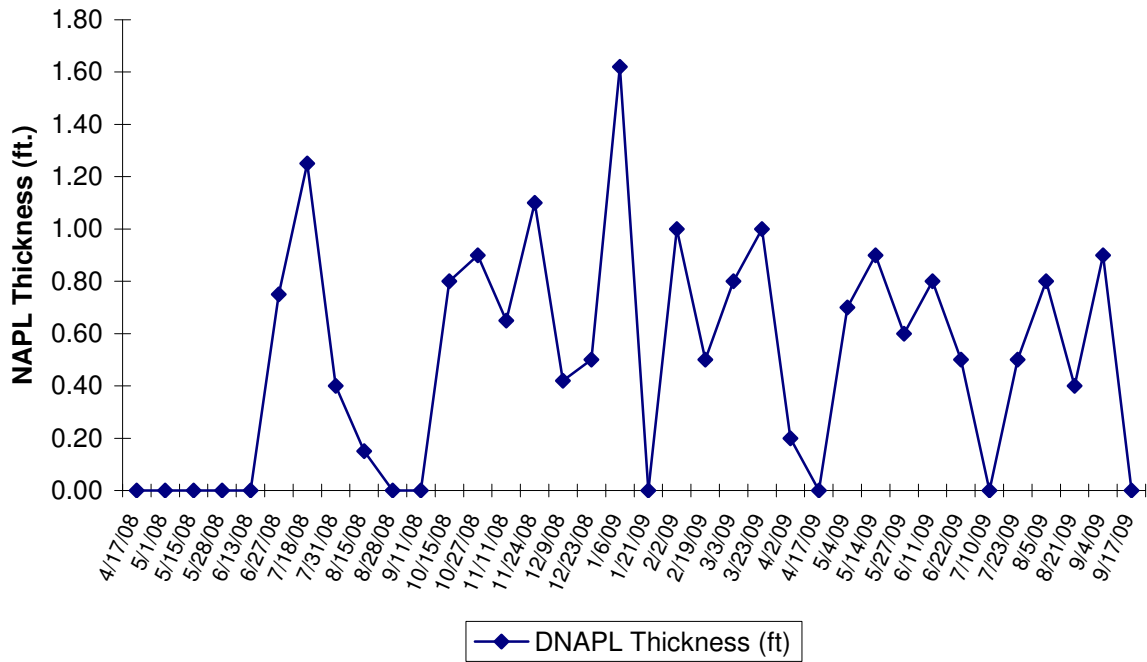
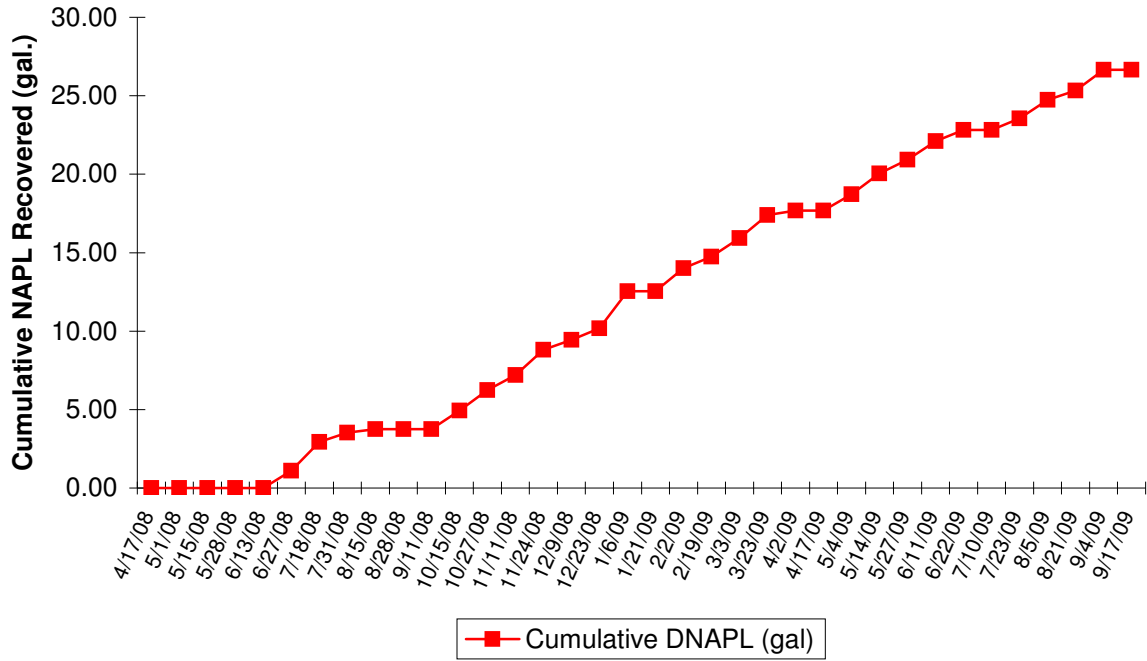


FIGURE 8AB
Well IPR-25 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



ATTACHMENT A

DATA USABILITY SUMMARY REPORT

(Provided in Electronic Format Only)

**ATTACHMENT A
DATA USABILITY SUMMARY REPORT
THIRD 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**

SEPTEMBER 2009

TABLE OF CONTENTS

	<u>Page No.</u>
I. INTRODUCTION	A-1
II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION	A-1
III. DATA DELIVERABLE COMPLETENESS	A-2
IV. HOLDING TIMES/SAMPLE RECEIPT	A-2
V. NON-CONFORMANCES.....	A-3
VI. SAMPLE RESULTS AND REPORTING	A-3
VII. SUMMARY.....	A-3

TABLES (Following Text)

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 sixteen (16) groundwater samples, two (2) field duplicates, one (1) matrix spike/matrix spike duplicate (MS/MSD) pair, one (1) equipment rinsate blank, and one (1) trip blank collected by URS personnel from July 29 to August 4, 2009 are discussed in this DUSR. The samples were collected as part of the third 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.

- A trip blank was not collected with groundwater samples HIMW-12D, HIMW-12I (and corresponding field duplicate DUP2-080309), HIMW-12S, HIMW-13D, HIMW-13I, and HIMW-20I. Since the trip blanks typically do not exhibit BTEX contamination, and the current results for these samples correlate well with historical results, 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-08I and HIMW-12I. The relative percent differences were generally $\leq 20\%$, which shows good field collection and laboratory analytical precision. USEPA Region II does not require data qualification for field duplicate 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: ^{PF} Peter R. Fairbanks, Sr. Project Chemist

Date: 10/6/09

Reviewed By: Mary E. Bitka, Principal Chemist ^{MEB}

Date: 10/4/09

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-005D	HIMW-005I	HIMW-005S	HIMW-008D	HIMW-008I
Sample ID			HIMW-005D	HIMW-005I	HIMW-005S	HIMW-008D	DUP1-073009
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			07/31/09	07/31/09	07/31/09	07/30/09	07/30/09
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	1.6	1 U	1 U	1 U
Ethylbenzene	UG/L	5	1.1	1 U	1 U	1 U	1 U
Toluene	UG/L	5	24	2.1	1 U	1 U	1 U
Xylene (total)	UG/L	5	160	160	1 U	1 U	1 U
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	58	290 D	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	7 J	10 U	10 U	10 U
Acenaphthylene	UG/L	-	5 J	120 DJ	10 U	10 U	10 U
Anthracene	UG/L	50	10 U	1 J	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	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	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	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	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	18	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10	440 D	1,300 D	10 U	10 U	10 U
Phenanthrene	UG/L	50	10 U	10	10 U	10 U	10 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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.

Made By: PRF 09/02/09; Checked By: *mfB 9/29/09*


Detection Limits shown are PQL

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

Location ID			HIMW-008I	HIMW-008S	HIMW-012D	HIMW-012I	HIMW-012I
Sample ID			HIMW-08I	HIMW-08S	HIMW-12D	DUP2-080309	HIMW-12I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			07/30/09	07/30/09	08/04/09	08/03/09	08/03/09
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	1 U	1 U	33	31
Ethylbenzene	UG/L	5	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	5	1 U	1 U	1 U	1 U	1 U
Xylene (total)	UG/L	5	1 U	1 U	1 U	6.5	5.1
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	10 U	10 U	37	36
Acenaphthylene	UG/L	-	10 U	10 U	10 U	46	46
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	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	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	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	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	10 U	10 U	26	25
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10	10 U	10 U	10 U	5 J	5 J
Phenanthrene	UG/L	50	10 U	10 U	10 U	8 J	8 J
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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.

Made By_PRF 09/02/09; Checked By *MS 9/29/09*


Detection Limits shown are PQL

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

Location ID			HIMW-012S	HIMW-013D	HIMW-013I	HIMW-014I	HIMW-015D
Sample ID			HIMW-12S	HIMW-13D	HIMW-13I	HIMW-14I	HIMW-15D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/04/09	08/03/09	08/03/09	07/29/09	07/29/09
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	4.1	66	53	1 U
Ethylbenzene	UG/L	5	1 U	1 U	1 U	1.0	1 U
Toluene	UG/L	5	1 U	1.1	1.1	1 U	1 U
Xylene (total)	UG/L	5	1 U	1.2	5.4	2.6	1 U
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	5 J	4 J	10	10 U
Acenaphthylene	UG/L	-	10 U	10	37	13	10 U
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	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	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	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	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	10 U	8 J	5 J	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10	10 U	10 U	2 J	10 U	10 U
Phenanthrene	UG/L	50	10 U	10 U	8 J	5 J	10 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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.

Made By_PRF 09/02/09; Checked By *msb 9/23/09*


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-15I	HIMW-20I	HIMW-20S
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			07/29/09	08/04/09	07/31/09
Parameter	Units	Criteria*			
Volatile Organic Compounds					
Benzene	UG/L	1	14	180	1 U
Ethylbenzene	UG/L	5	1 U	3.6	1 U
Toluene	UG/L	5	1 U	1 U	1 U
Xylene (total)	UG/L	5	1 U	32	1 U
Semivolatile Organic Compounds					
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U
Acenaphthene	UG/L	20	3 J	5 J	10 U
Acenaphthylene	UG/L	-	12	59	10 U
Anthracene	UG/L	50	10 U	1 J	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0.002	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U
Fluoranthene	UG/L	50	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	14	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 U	10 U	10 U
Naphthalene	UG/L	10	10 U	3 J	10 U
Phenanthrene	UG/L	50	10 U	14	10 U
Pyrene	UG/L	50	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, April 2000, Class GA.

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.

Made By_PRF 09/02/09; Checked By MSB 9/21/09

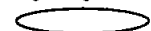
Detection Limits shown are PQL

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

Location ID			FIELDQC	FIELDQC
Sample ID			TB-073109	FB-080309
Matrix			Water Quality	Water Quality
Depth Interval (ft)			-	-
Date Sampled			07/31/09	08/04/09
Parameter	Units	Criteria*	Trip Blank (1-1)	Field Blank (1-1)
Volatile Organic Compounds				
Benzene	UG/L	1	1 U	1 U
Ethylbenzene	UG/L	5	1 U	1 U
Toluene	UG/L	5	1 U	1 U
Xylene (total)	UG/L	5	1 U	1 U
Semivolatile Organic Compounds				
2-Methylnaphthalene	UG/L	-	NA	10 U
Acenaphthene	UG/L	20	NA	10 U
Acenaphthylene	UG/L	-	NA	10 U
Anthracene	UG/L	50	NA	10 U
Benzo(a)anthracene	UG/L	0.002	NA	10 U
Benzo(a)pyrene	UG/L	ND	NA	10 U
Benzo(b)fluoranthene	UG/L	0.002	NA	10 U
Benzo(g,h,i)perylene	UG/L	-	NA	10 U
Benzo(k)fluoranthene	UG/L	0.002	NA	10 U
Chrysene	UG/L	0.002	NA	10 U
Dibenz(a,h)anthracene	UG/L	-	NA	10 U
Fluoranthene	UG/L	50	NA	10 U
Fluorene	UG/L	50	NA	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	NA	10 U
Naphthalene	UG/L	10	NA	10 U
Phenanthrene	UG/L	50	NA	10 U
Pyrene	UG/L	50	NA	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, April 2000, Class GA.

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.

Made By_PRF 09/02/09_; Checked By MFB 9/29/09

Detection Limits shown are PQL

APPENDIX A

VALIDATED FORM I'S

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP1-073009

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908537-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7149.D

Level: (low/med) LOW Date Received: 07/31/09

% Moisture: not dec. Date Analyzed: 08/04/09

GC Column: Rxi-1MS ID: .32 (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-URS076 S23

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-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908537-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7150.D

Level: (low/med) LOW Date Received: 07/31/09

% Moisture: not dec. Date Analyzed: 08/04/09

GC Column: Rxi-1MS ID: .32 (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	24	
100-41-4	Ethylbenzene	1.1	
1330-20-7	Xylene (total)	160	

KEY-URS076 S24

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-URS076
 Matrix: (soil/water) WATER Lab Sample ID: 0908537-003A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7151.D
 Level: (low/med) LOW Date Received: 07/31/09
 % Moisture: not dec. Date Analyzed: 08/04/09
 GC Column: Rxi-1MS ID: .32 (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	1.6	
108-88-3	Toluene	2.1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	160	

KEY-URS076 S25

1A
VOLATILE 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-URS076
 Matrix: (soil/water) WATER Lab Sample ID: 0908537-004A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7152.D
 Level: (low/med) LOW Date Received: 07/31/09
 % Moisture: not dec. Date Analyzed: 08/04/09
 GC Column: Rxi-1MS ID: .32 (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-URS076 S26

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-URS076
 Matrix: (soil/water) WATER Lab Sample ID: 0908537-005A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7184.D
 Level: (low/med) LOW Date Received: 07/31/09
 % Moisture: not dec. Date Analyzed: 08/06/09
 GC Column: Rxi-1MS ID: .32 (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-URS076 S27

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water)

WATER

Lab Sample ID:

0908537-006A

Sample wt/vol: 5

(g/mL) ML

Lab File ID:

09\E7182.D

Level: (low/med)

LOW

Date Received:

07/31/09

% Moisture: not dec.

Date Analyzed:

08/06/09

GC Column: Rxi-1MS

ID: .32 (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>	<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-URS076 S28

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-08S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water)

WATERLab Sample ID: 0908537-007ASample wt/vol: 5(g/mL) MLLab File ID: 09\E7188.D

Level: (low/med)

LOWDate Received: 07/31/09

% Moisture: not dec.

Date Analyzed: 08/06/09GC Column: Rxi-1MSID: .32 (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

KEY-URS076 S29

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-14I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water)

WATER

Lab Sample ID:

0908537-008ASample wt/vol: 5(g/mL) ML

Lab File ID:

09\E7189.D

Level: (low/med)

LOW

Date Received:

07/31/09

% Moisture: not dec.

Date Analyzed:

08/06/09GC Column: Rxi-1MSID: .32 (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	53	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1.0	
1330-20-7	Xylene (total)	2.6	

KEY-URS076 S30

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-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908537-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7190.D

Level: (low/med) LOW Date Received: 07/31/09

% Moisture: not dec. Date Analyzed: 08/06/09

GC Column: Rxi-1MS ID: .32 (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-URS076 S31

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-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908537-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7191.D

Level: (low/med) LOW Date Received: 07/31/09

% Moisture: not dec. Date Analyzed: 08/06/09

GC Column: Rxi-1MS ID: .32 (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	U

KEY-URS076 S32

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908537-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7192.D

Level: (low/med) LOW Date Received: 07/31/09

% Moisture: not dec. Date Analyzed: 08/06/09

GC Column: Rxi-1MS ID: .32 (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-URS076 S33

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-073109

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water)

WATER

Lab Sample ID: 0908537-012A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 09\E7193.D

Level: (low/med)

LOW

Date Received: 07/31/09

% Moisture: not dec.

Date Analyzed: 08/06/09

GC Column: Rxi-1MS

ID: .32 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____

(μ L)

Soil Aliquot Volume _____

(μ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(μ g/L or μ g/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

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS076

Matrix: (soil/water)

WATERLab Sample ID: 0908640-001ASample wt/vol: 5(g/mL) MLLab File ID: 09\E7196.D

Level: (low/med)

LOWDate Received: 08/04/09

% Moisture: not dec.

Date Analyzed: 08/06/09GC Column: Rxi-1MSID: .32 (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

KEY-URS076 S35

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-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908640-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7197.D

Level: (low/med) LOW Date Received: 08/04/09

% Moisture: not dec. Date Analyzed: 08/06/09

GC Column: Rxi-1MS ID: .32 (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	31	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	5.1	

KEY-URS076 S36

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS076

Matrix: (soil/water)

WATERLab Sample ID: 0908640-003ASample wt/vol: 5(g/mL) MLLab File ID: 09\E7204.D

Level: (low/med)

LOWDate Received: 08/04/09

% Moisture: not dec.

Date Analyzed: 08/07/09GC Column: Rxi-1MSID: .32 (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

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-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908640-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7185.D

Level: (low/med) LOW Date Received: 08/04/09

% Moisture: not dec. Date Analyzed: 08/06/09

GC Column: Rxi-1MS ID: .32 (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	4.1	
108-88-3	Toluene	1.1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1.2	

KEY-URS076 S38

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS SAS No.: _____SDG No.: KEY-URS076

Matrix: (soil/water)

WATERLab Sample ID: 0908640-005ASample wt/vol: 5(g/mL) MLLab File ID: 09\E7205.D

Level: (low/med)

LOWDate Received: 08/04/09

% Moisture: not dec.

Date Analyzed: 08/07/09GC Column: Rxi-1MSID: .32 (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	66	
108-88-3	Toluene	1.1	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	5.4	

KEY-URS076 S39

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908640-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7206.D

Level: (low/med) LOW Date Received: 08/04/09

% Moisture: not dec. Date Analyzed: 08/07/09

GC Column: Rxi-1MS ID: .32 (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	3.6	
1330-20-7	Xylene (total)	32	

KEY-URS076 S40

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP2-080309

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water)

WATER

Lab Sample ID: 0908640-007A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 09\E7207.D

Level: (low/med)

LOW

Date Received: 08/04/09

% Moisture: not dec.

Date Analyzed: 08/07/09

GC Column: Rxi-1MS

ID: .32 (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	33	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	6.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-080309

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908640-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 09\E7208.D

Level: (low/med) LOW Date Received: 08/04/09

% Moisture: not dec. Date Analyzed: 08/07/09

GC Column: Rxi-1MS ID: .32 (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-URS076 S42

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPI-073009

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-001BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33097.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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>	<u>Q</u>
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-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-002B

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

Lab File ID: 9\N33098.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (μ L)

Date Analyzed: 08/14/09

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	440 310	ND
91-57-6	2-Methylnaphthalene	58	
208-96-8	Acenaphthylene	5	J
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

9/2/09

KEY-URS076 S45

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-05DDL

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-002BDLSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33111.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection Volume: 2 (μ L)Dilution Factor: 10.00GPC 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	440		D
91-57-6	2-Methylnaphthalene	63		DJ
208-96-8	Acenaphthylene	100		U
83-32-9	Acenaphthene	100		U
86-73-7	Fluorene	100		U
85-01-8	Phenanthrene	100		U
120-12-7	Anthracene	100		U
206-44-0	Fluoranthene	100		U
129-00-0	Pyrene	100		U
56-55-3	Benzo (a) anthracene	100		U
218-01-9	Chrysene	100		U
205-99-2	Benzo (b) fluoranthene	100		U
207-08-9	Benzo (k) fluoranthene	100		U
50-32-8	Benzo (a) pyrene	100		U
193-39-5	Indeno (1,2,3-cd) pyrene	100		U
53-70-3	Dibenzo (a,h) anthracene	100		U
191-24-2	Benzo (g,h,i) perylene	100		U

(1) Cannot be separated from Diphenylamine

9/2/09

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-003BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33099.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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	1300	750	ED
91-57-6	2-Methylnaphthalene	240	260	ED
208-96-8	Acenaphthylene	120	110	EDJ
83-32-9	Acenaphthene		7	J
86-73-7	Fluorene		18	
85-01-8	Phenanthrene		10	
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

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-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-003BDLSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33112.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection Volume: 2 (μ L)Dilution Factor: 20.00GPC 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		1300	D
91-57-6	2-Methylnaphthalene		290	D
208-96-8	Acenaphthylene		120	DJ
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

9/20/09

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-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-004B

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

Lab File ID: 9\N33100.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 08/14/09

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

1C

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-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-005BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33104.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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>	<u>Q</u>
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-08I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-006BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33105.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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>	<u>Q</u>
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-08S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-007B

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

Lab File ID: 9\N33106.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 08/14/09

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

1C
SEMIVOLATILE 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-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-008B

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

Lab File ID: 9\N33107.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/09

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	13	
83-32-9	Acenaphthene	10	
86-73-7	Fluorene	5	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-15D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908537-009BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33108.DLevel: (low/med) LOWDate Received: 07/31/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/04/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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) <u>UG/L</u>	<u>Q</u>
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-15I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-010B

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

Lab File ID: 9\N33109.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/09

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	12	
83-32-9	Acenaphthene	3	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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908537-011B

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

Lab File ID: 9\N33110.D

Level: (low/med) LOW

Date Received: 07/31/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/04/09

Concentrated Extract Volume: 1000 (μ L)

Date Analyzed: 08/14/09

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

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-URS076Matrix: (soil/water) WATERLab Sample ID: 0908640-001BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33117.DLevel: (low/med) LOWDate Received: 08/04/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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	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-12I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908640-002BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33118.DLevel: (low/med) LOWDate Received: 08/04/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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	5		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	46		
83-32-9	Acenaphthene	36		
86-73-7	Fluorene	25		
85-01-8	Phenanthrene	8		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

EPA SAMPLE NO.

HIMW-12S

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908640-003BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33119.DLevel: (low/med) LOWDate Received: 08/04/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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	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-13D

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908640-004BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33120.DLevel: (low/med) LOWDate Received: 08/04/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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	10		
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
SEMIVOLATILE 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-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908640-005B

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

Lab File ID: 9\N33123.D

Level: (low/med) LOW

Date Received: 08/04/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/09

Concentrated Extract Volume: 1000 (μL)

Date Analyzed: 08/14/09

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	2	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	37	
83-32-9	Acenaphthene	4	J
86-73-7	Fluorene	8	J
85-01-8	Phenanthrene	8	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
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-20I

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076

Matrix: (soil/water) WATER

Lab Sample ID: 0908640-006B

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

Lab File ID: 9\N33124.D

Level: (low/med) LOW

Date Received: 08/04/09

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/09

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/09

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	3	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	59	
83-32-9	Acenaphthene	5	J
86-73-7	Fluorene	14	
85-01-8	Phenanthrene	14	
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.

DUP2-080309

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS076

Matrix: (soil/water) WATER Lab Sample ID: 0908640-007B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 9\N33125.D

Level: (low/med) LOW Date Received: 08/04/09

% Moisture: Decanted: (Y/N) N Date Extracted: 08/06/09

Concentrated Extract Volume: 1000 (μL) Date Analyzed: 08/14/09

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	5		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	46		
83-32-9	Acenaphthene	37		
86-73-7	Fluorene	26		
85-01-8	Phenanthrene	8		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

EPA SAMPLE NO.

FB-080309

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: KEY-URS

SAS No.: _____

SDG No.: KEY-URS076Matrix: (soil/water) WATERLab Sample ID: 0908640-008BSample wt/vol: 1000 (g/mL) MLLab File ID: 9\N33126.DLevel: (low/med) LOWDate Received: 08/04/09% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/09Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 08/14/09Injection 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

APPENDIX B

SUPPORT DOCUMENTATION

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 7/31/09 & 8/4/09
SDG #: KEY-URS076

For Sample(s):

DUP1-073009	HIMW-08I	HIMW-20S	HIMW-13D
HIMW-05D	HIMW-08S	TB-073109	HIMW-13I
HIMW-05I	HIMW-14I	HIMW-12D	HIMW-20I
HIMW-05S	HIMW-15D	HIMW-12I	DUP2-080309
HIMW-08D	HIMW-15I	HIMW-12S	FB-080309

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

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

Sample HIMW-13D was analyzed as matrix spike/matrix spike duplicate (MS/MSD). All percent recoveries for the three lab fortified blanks and recoveries and RPDs for the MS and MSD were within Q. C. limits.

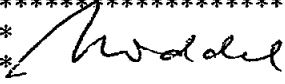
The RSD for ~~bromochloromethane~~ ^{4-bromo fluorobenzene} exceeded 15% in the initial calibration. Linear regression was used for quantification.

%D in the continuous calibration checks (CCV) exceeded 15% for the surrogate 1,2-dichlorethane-d4 with 25.1, 28.5, and 31.7%. (Responses were low.) The reported recoveries, which range from 68% to 82%, may be biased low.

%D of 15.6% and 17.8% for 4-bromofluorobenzene in CCVs 8/6/09 and 8/7/09 and %D of 16.5% for toluene-d8 on 8/7/09 were slightly above 15%. This may indicate a small deviation for the surrogate recoveries reported for these compounds.

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: September 1, 2009

*  *

Ursula Middel
Technical Manager

KEY-URS076 A3

9/2/09
a

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLE RECEIVED: 7/31/09 & 8/4/09
SDG #: KEY-URS076

For Sample(s):

DUP1-073009	HIMW-20S
HIMW-05D	HIMW-12D
HIMW-05I	HIMW-12I
HIMW-05S	HIMW-12S
HIMW-08D	HIMW-13D
HIMW-08I	HIMW-13I
HIMW-08S	HIMW-20I
HIMW-14I	DUP2-080309
HIMW-15D	FB-080309
HIMW-15I	

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:

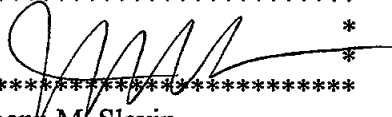
Sample HIMW-13D was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met.

Samples HIMW-05D and HIMW-05I were reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. 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: August 18, 2009

*
*


Joann M. Slavin
Senior Vice President

KEY-URS076 A4

H2M LABS, INC.

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

PROJECT NAME/NUMBER: *National 6nd Former M6P 11175065*
 SAMPLERS: (signature)/client: *Corporation*

DELIVERABLES: *full set b*
 TURNAROUND TIME: *normal*

DATE	TIME	MATRIX	FIELD I.D.	Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)
7/31/09	0950	GW	HIMW-15B	7/31/09	1353	<i>S. West</i>	7/31/09	1353	<i>S. West</i>
	1135		HIMW-15I						
	1420		HIMW-14I						
7/31/09	0830	GW	HIMW-08D						
	1030		HIMW-08I						
	1310		HIMW-08S						
	1300		DUP1-073009						
7/31/09	0840	GW	HIMW-05D						
	1005		HIMW-05I						
	1115		HIMW-05S						

71107

EXTERNAL CHAIN OF CUSTODY

CLIENT: *URS Corporation* H2M SDG NO: *HEI-085076*

NOTES: *Analysis for BTEX and PAHs*
this chain for 3 coolers

Project Contact: *Peter Fairbanks*
 Phone Number: *716 856 5636*
 PIS/Quote #

Sample Container Description	Total No. of Containers	ANALYSIS REQUESTED			REMARKS:
		ORGANIC	INORG.	LAB I.D. NO.	
<i>46ml amber glass (HCL)</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>0908537-009</i>	
<i>17 amber glass</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>-010</i>	
	<i>4</i>	<i>2</i>	<i>2</i>	<i>-008</i>	
				<i>-005</i>	
				<i>-006</i>	
				<i>-007</i>	
				<i>-001</i>	
				<i>-002</i>	
				<i>-003</i>	
				<i>-004</i>	

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:

- Shipped or Hand Delivered Airbill #
- Ambient or chilled, Temp. *5°C*
- Received in good condition? Y or N *Y*
- Properly preserved? Y or N *Y*

COC TAPS WALS:

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

WHITE 085076 ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY