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CC: jjruspantini@nyseg.com
Date: 6/17/2013 2:07 PM
Subject: NYSEG Clark St. - Semi-Annual NAPL
Attachments: 1011311022_Memo_Semi-annual NAPL monitoring_FINAL.pdf

John,

Please see the attached semi-annual NAPL monitoring summary memorandum for the NAPL monitoring that was conducted in December 2012 at the NYSEG Clark St. site.

The next round of semi-annual monitoring is currently due and NYSEG is proposing to complete the monitoring event on June 27, 2013. The monitoring will be conducted in accordance with ARCADIS June 13, 2012 letter work plan with the modified list of monitoring wells as proposed in NYSEG's August 15, 2012 summary memorandum and approved by NYSDEC in their September 6, 2012 letter. Please confirm that this date is acceptable to the NYSDEC. Thanks.

Jason

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MEMO

To:
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625 Broadway, 11th Floor
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Copies:
John Ruspantini, NYSEG
David Cornell, ARCADIS

From:
Jason Brien, P.E.

Date:
June 17, 2013

ARCADIS Project No.:
B00013091 #5

Subject:
NYSEG Clark Street Former MGP Site
December 2012 Semi-Annual NAPL Monitoring

On behalf of NYSEG, this memorandum summarizes the results of the second semi-annual non-aqueous phase liquid (NAPL) monitoring event conducted at the Clark Street Former Manufactured Gas Plant (MGP) Site (the site) located in Auburn, New York (Site No. 7-06-008).

A year-long monthly NAPL monitoring program was conducted at the site from January 2010 to May 2011 in general accordance with the New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD) (NYSDEC, 2009) and the NYSEG-approved February 2012 *Remedial Design Work Plan* (RDWP) (ARCADIS, 2010). The objective of the NAPL monitoring program was to gather data related to the presence and location of NAPL collecting in existing site bedrock monitoring wells. Detailed results of the year-long NAPL monitoring program were presented to NYSEG in a January 25, 2012 Monthly NAPL Monitoring Program – Annual Report. Upon receipt of the annual report, NYSEG requested (via a February 24, 2012 email to NYSEG) that NAPL monitoring continue at the site until remedial construction commences (anticipated late 2013).

As indicated in a June 13, 2012 Additional NAPL Monitoring Activities letter work plan to NYSEG, additional NAPL monitoring activities will be conducted on a semi-annual basis until upland remedial construction activities begin. The second semi-annual NAPL monitoring event was conducted in December 2012. NAPL monitoring activities and results are summarized in the following subsection.

NAPL Monitoring Activities and Results

Semi-annual NAPL monitoring activities were conducted on December 28, 2012. Per NYSEG's August 15, 2012 Semi-Annual NAPL Monitoring memorandum and NYSDEC's September 6, 2012 response letter, the number of wells monitored during the semi-annual NAPL gauging events was limited to those wells where NAPL has been visually observed since January 2010 (i.e., monitoring wells MW-03B, MW-04B, MW-04D, MW-05B, MW-06B, MW-07B, and MW-11D). The results of the NAPL monitoring activities are provided in the attached Table 1. Additionally, monitoring well locations where NAPL was observed are presented in Figure 1. As summarized in the table below, visual evidence of NAPL was observed in seven monitoring wells. NAPL was unable to be recovered from the monitoring wells due to the small quantities encountered.

Monitoring Well	December 2012 Observations
MW-03B	0.15 ft of NAPL
MW-04B	0.05 ft of NAPL
MW-04D	0.20 ft of NAPL
MW-05B	Trace NAPL blebs
MW-06B	0.20 ft of NAPL
MW-07B	0.12 ft of NAPL
MW-11D	0.20 ft of NAPL

Disposable sampling equipment was containerized in labeled, DOT-certified 55-gallon drums that are stored in a secured drum locker at the site.

Path Forward

NYSEG will continue to monitor these wells on a semi-annual basis until remedial actions commence at the site. The next semi-annual monitoring event is scheduled for June 2013.

Table 1
NAPL Collection Well Placement Study - NAPL Monitoring Summary

NYSEG - Clark Street Former Manufactured Gas Plant Site - Auburn, New York

Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-01B					
6/11/2010	10.70	---	32.68	---	0.0
7/7/2010	11.53	---	32.69	---	0.0
8/3/2010	11.97	---	32.69	---	0.0
9/22/2010	12.27	---	32.68	---	0.0
10/28/2010	10.11	---	32.68	---	0.0
12/13/2010	9.82	---	32.70	---	0.0
12/28/2010	9.99	---	32.70	---	0.0
1/31/2011	10.42	---	32.70	---	0.0
3/2/2011	9.28	---	32.69	---	0.0
4/1/2011	10.37	---	32.69	---	0.0
4/28/2011	8.03	---	32.70	---	0.0
5/25/2011	10.85	---	32.70	---	0.0
6/28/2012	11.47	---	32.68	---	0.0
12/28/2012	10.40	---	32.68	---	0.0
Approximate Volume Removed from MW-01B					0.0
MW-01D					
6/11/2010	12.91	---	81.85	---	0.0
7/7/2010	13.86	---	81.85	---	0.0
8/3/2010	14.45	---	81.62	---	0.0
9/22/2010	15.22	---	81.50	---	0.0
10/28/2010	12.25	---	81.41	---	0.0
12/13/2010	11.75	---	81.85	---	0.0
12/28/2010	12.01	---	81.85	---	0.0
1/31/2011	12.63	---	81.80	---	0.0
3/2/2011	11.17	---	81.80	---	0.0
4/1/2011	12.44	---	81.80	---	0.0
4/28/2011	9.61	---	81.79	---	0.0
5/25/2011	12.70	---	81.79	---	0.0
6/28/2012	12.69	---	81.56	---	0.0
12/28/2012	12.25	---	81.65	---	0.0
Approximate Volume Removed from MW-01D					0.0
MW-02B					
6/11/2010	7.35	---	31.15	---	0.0
7/7/2010	7.86	---	31.16	---	0.0
8/3/2010	8.29	---	31.17	---	0.0
9/22/2010	8.14	---	31.12	---	0.0
10/28/2010	6.76	---	31.17	---	0.0
12/13/2010	6.59	---	31.16	---	0.0
12/28/2010	6.98	---	31.17	---	0.0
1/31/2011	7.79	---	31.17	---	0.0
3/2/2011	6.28	---	31.16	---	0.0
4/1/2011	6.61	---	31.16	---	0.0
4/28/2011	4.85	---	31.17	---	0.0
5/25/2011	6.72	---	31.17	---	0.0
6/28/2012	8.07	---	31.16	---	0.0
12/28/2012	6.72	---	31.16	---	0.0
Approximate Volume Removed from MW-02B					0.0
MW-02D					
6/11/2010	7.45	---	72.43	---	0.0
7/7/2010	8.09	---	72.63	---	0.0
8/3/2010	8.47	---	72.27	---	0.0
9/22/2010	8.65	---	72.60	---	0.0
10/28/2010	7.01	---	72.61	---	0.0
12/13/2010	6.87	---	72.46	---	0.0
12/28/2010	6.99	---	72.46	---	0.0
1/31/2011	8.70	---	72.46	---	0.0
3/2/2011	6.44	---	72.60	---	0.0
4/1/2011	7.04	---	72.60	---	0.0
4/28/2011	4.60	---	72.60	---	0.0
5/25/2011	7.45	---	72.60	---	0.0
6/28/2012	8.38	---	72.46	---	0.0
12/28/2012	7.01	---	72.46	---	0.0
Approximate Volume Removed from MW-02D					0.0

Table 1
NAPL Collection Well Placement Study - NAPL Monitoring Summary

NYSEG - Clark Street Former Manufactured Gas Plant Site - Auburn, New York

Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-03B					
6/11/2010	---	30.51	31.11	0.60	0.4
7/7/2010	7.24	30.86	31.11	0.25	0.2
8/3/2010	7.62	30.34	31.09	0.75	0.5
9/22/2010	7.70	30.72	31.12	0.40	0.15
10/28/2010	6.25	31.00	31.20	0.20	0.0
12/13/2010	---	---	31.07	trace blebs	0.0
12/28/2010	---	---	31.05	trace blebs	0.0
1/31/2011	---	---	31.08	trace blebs	0.0
3/2/2011	---	31.03	31.13	0.10	0.0
4/1/2011	---	31.02	31.12	0.10	0.0
4/28/2011	4.31	30.94	31.09	0.15	0.0
5/25/2011	8.27	30.94	31.09	0.15	0.02
6/28/2012	---	---	---	trace blebs	0.0
12/28/2012	5.49	30.92	31.07	0.15	0.0
Approximate Volume Removed from MW-03B					1.26
MW-04B					
6/11/2010	7.09	29.25	29.30	0.05	0.0
7/7/2010	5.67	---	29.36	trace blebs	0.0
8/3/2010	7.90	---	29.30	trace blebs	0.0
9/22/2010	8.05	---	29.28	trace blebs	0.0
10/28/2010	6.43	---	29.31	trace blebs	0.0
12/13/2010	6.30	---	29.40	trace blebs	0.0
12/28/2010	7.01	---	29.41	trace blebs	0.0
1/31/2011	7.69	---	29.41	trace blebs	0.0
3/2/2011	6.03	29.33	29.38	0.05	0.0
4/1/2011	6.73	29.33	29.38	0.05	0.0
4/28/2011	4.52	29.37	29.42	0.05	0.0
5/25/2011	6.13	---	29.42	0.00	0.0
6/28/2012	7.95	---	29.36	trace blebs	0.0
12/28/2012	6.62	29.31	29.36	0.05	0.0
Approximate Volume Removed from MW-04B					0.0
MW-04D					
6/11/2010	8.43	77.54	78.24	0.70	0.1
7/7/2010	9.49	---	78.64	trace blebs	0.0
8/3/2010	9.30	---	78.24	trace blebs	0.0
9/22/2010	9.55	---	78.24	trace blebs	0.0
10/28/2010	7.47	---	78.27	trace blebs	0.0
12/13/2010	7.48	77.64	78.24	0.60	0.2
12/28/2010	7.48	78.16	78.26	0.10	0.0
1/31/2011	9.93	78.14	78.64	0.50	0.25
3/2/2011	7.36	78.04	78.64	0.60	0.1
4/1/2011	8.21	78.44	78.64	0.20	0.0
4/28/2011	5.41	78.04	78.24	0.20	0.0
5/25/2011	7.22	78.04	78.24	0.20	0.05
6/28/2012	8.97	---	78.24	trace NAPL	0.0
12/28/2012	7.48	78.04	78.24	0.2	0.0
Approximate Volume Removed from MW-04D					0.71
MW-05B					
6/11/2010	5.10	28.18	28.28	0.10	0.0
7/7/2010	5.84	---	28.50	trace blebs	0.0
8/3/2010	6.21	28.00	28.50	0.50	0.3
9/22/2010	6.24	28.20	28.50	0.30	0.0
10/28/2010	4.53	28.00	28.50	0.50	0.3
12/13/2010	4.31	---	28.50	trace blebs	0.0
12/28/2010	4.61	---	28.51	trace blebs	0.0
1/31/2011	5.11	---	28.51	trace blebs	0.0
3/2/2011	4.00	---	28.50	trace blebs	0.0
4/1/2011	4.81	---	28.50	trace blebs	0.0
4/28/2011	2.54	---	28.50	trace blebs	0.0
5/25/2011	5.30	---	28.50	trace blebs	0.0
6/28/2012	6.25	---	28.50	trace blebs	0.0
12/28/2012	4.91	---	28.50	trace blebs	0.0
Approximate Volume Removed from MW-05B					0.60

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Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-06B					
6/11/2010	7.89	---	27.61	---	0.0
7/7/2010	5.40	---	27.71	---	0.0
8/3/2010	7.17	27.63	27.73	0.10	0.0
9/22/2010	7.25	---	27.80	---	0.0
10/28/2010	7.04	27.68	27.78	0.10	0.0
12/13/2010	---	27.55	27.75	0.20	0.5
12/28/2010	---	27.62	27.72	0.10	0.0
1/31/2011	---	27.62	27.72	0.10	0.0
3/2/2011	---	27.38	27.69	0.31	0.0
4/1/2011	7.05	27.49	27.69	0.20	0.0
4/28/2011	4.96	27.60	27.80	0.20	0.0
5/25/2011	7.70	27.60	27.80	0.20	0.05
6/28/2012	6.34	29.68	29.83	0.15	0.0
12/28/2012	5.02	25.73	25.93	0.2	0.0
Approximate Volume Removed from MW-06B					0.55
MW-07B					
6/11/2010	6.26	28.82	28.92	0.10	0.0
7/7/2010	8.73	29.00	29.10	0.10	0.0
8/3/2010	9.04	29.00	29.10	0.10	0.0
9/22/2010	7.05	29.01	29.11	0.10	0.0
10/28/2010	5.60	---	29.11	trace blebs	0.0
12/13/2010	5.59	---	28.94	trace blebs	0.0
12/28/2010	5.81	---	28.94	trace blebs	0.0
1/31/2011	6.91	29.01	29.11	0.10	0.0
3/2/2011	5.19	20.02	20.12	0.10	0.0
4/1/2011	5.66	28.97	29.12	0.15	0.0
4/28/2011	3.81	28.99	29.11	0.12	0.0
5/25/2011	5.85	28.91	29.11	0.20	0.05
6/28/2012	6.94	---	29.10	trace blebs	0.0
12/28/2012	5.66	28.98	29.10	0.12	0.0
Approximate Volume Removed from MW-07B					0.05
MW-08D					
6/11/2010	5.99	---	65.34	---	0.0
7/7/2010	6.51	---	65.35	---	0.0
8/3/2010	6.79	---	65.30	---	0.0
9/22/2010	0.07	---	65.35	---	0.0
10/28/2010	5.31	---	65.35	---	0.0
12/13/2010	5.24	---	65.34	---	0.0
12/28/2010	5.58	---	65.34	---	0.0
1/31/2011	6.10	---	65.34	---	0.0
3/2/2011	4.37	---	65.37	---	0.0
4/1/2011	5.36	---	65.37	---	0.0
4/28/2011	2.88	---	65.38	---	0.0
5/25/2011	5.78	---	65.38	---	0.0
6/28/2012	6.42	---	65.36	---	0.0
12/28/2012	5.19	---	65.36	---	0.0
Approximate Volume Removed from MW-08B					0.0
MW-08S					
6/11/2010	6.35	---	6.75	---	0.0
7/7/2010	Dry	---	6.76	---	0.0
8/3/2010	Dry	---	6.75	---	0.0
10/28/2010	5.72	---	6.76	---	0.0
12/13/2010	5.75	---	6.78	---	0.0
12/28/2010	6.01	---	6.78	---	0.0
1/31/2011	6.76	---	6.78	---	0.0
3/2/2011	5.24	---	6.79	---	0.0
4/1/2011	6.09	---	6.80	---	0.0
4/28/2011	4.51	---	6.78	---	0.0
5/25/2011	6.70	---	6.78	---	0.0
6/28/2012	Dry	---	6.78	---	0.0
12/28/2012	Dry	---	6.78	---	0.0
Approximate Volume Removed from MW-08S					0.0

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Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-09D					
6/11/2010	5.91	---	39.81	---	0.0
7/7/2010	6.90	---	39.81	---	0.0
8/3/2010	6.86	---	39.80	---	0.0
9/22/2010	7.09	---	39.80	---	0.0
10/28/2010	5.18	---	39.80	---	0.0
12/13/2010	4.92	---	39.80	---	0.0
12/28/2010	5.10	---	39.81	---	0.0
1/31/2011	5.86	---	39.79	---	0.0
3/2/2011	4.19	---	39.80	---	0.0
4/1/2011	5.42	---	39.80	---	0.0
4/28/2011	3.07	---	39.81	---	0.0
5/25/2011	5.23	---	39.81	---	0.0
6/28/2012	6.91	---	39.80	---	0.0
12/28/2012	4.89	---	39.80	---	0.0
Approximate Volume Removed from MW-09D					0.0
MW-09S					
6/11/2010	6.45	---	10.70	---	0.0
7/7/2010	7.15	---	10.67	---	0.0
8/3/2010	7.34	---	10.65	---	0.0
10/28/2010	4.80	---	10.66	---	0.0
12/13/2010	5.58	---	10.65	---	0.0
12/28/2010	6.07	---	10.66	---	0.0
1/31/2011	6.81	---	10.66	---	0.0
3/2/2011	5.28	---	10.65	---	0.0
4/1/2011	6.12	---	10.66	---	0.0
4/28/2011	4.88	---	10.67	---	0.0
5/25/2011	6.55	---	10.67	---	0.0
6/28/2012	7.85	---	10.68	---	0.0
12/28/2012	5.71	---	10.68	---	0.0
Approximate Volume Removed from MW-09S					0.0
MW-10D					
6/11/2010	2.95	---	59.70	---	0.0
7/7/2010	3.79	---	59.71	---	0.0
8/3/2010	4.01	---	59.74	---	0.0
9/22/2010	4.10	---	59.74	---	0.0
10/28/2010	2.80	---	59.73	---	0.0
12/13/2010	2.52	---	59.67	---	0.0
12/28/2010	2.78	---	59.67	---	0.0
1/31/2011	3.14	---	59.67	---	0.0
3/2/2011	2.21	---	59.74	---	0.0
4/1/2011	3.04	---	59.73	---	0.0
4/28/2011	0.78	---	59.74	---	0.0
5/25/2011	3.40	---	59.74	---	0.0
6/28/2012	3.85	---	59.72	---	0.0
12/28/2012	2.61	---	59.72	---	0.0
Approximate Volume Removed from MW-10D					0.0
MW-10S					
6/11/2010	2.45	---	6.25	---	0.0
7/7/2010	3.12	---	6.30	---	0.0
8/3/2010	3.34	---	6.27	---	0.0
10/28/2010	2.65	---	6.31	---	0.0
12/13/2010	2.80	---	6.30	---	0.0
12/28/2010	2.90	---	6.30	---	0.0
1/31/2011	2.99	---	6.30	---	0.0
3/2/2011	1.68	---	6.26	---	0.0
4/1/2011	2.65	---	6.26	---	0.0
4/28/2011	1.97	---	6.27	---	0.0
5/25/2011	3.17	---	6.27	---	0.0
6/28/2012	3.34	---	6.29	---	0.0
12/28/2012	2.22	---	6.29	---	0.0
Approximate Volume Removed from MW-10S					0.0

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NAPL Collection Well Placement Study - NAPL Monitoring Summary

NYSEG - Clark Street Former Manufactured Gas Plant Site - Auburn, New York

Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-11D					
6/11/2010	3.48	---	39.82	trace blebs	0.0
7/7/2010	4.10	39.71	39.81	0.10	0.0
8/3/2010	4.35	---	39.81	trace blebs	0.0
9/22/2010	4.50	39.71	39.81	0.10	0.0
10/28/2010	2.78	39.70	39.80	0.10	0.0
12/13/2010	2.65	39.76	39.81	0.05	0.0
12/28/2010	2.71	39.76	39.81	0.05	0.0
1/31/2011	3.44	39.71	39.81	0.10	0.0
3/2/2011	2.32	39.63	39.83	0.20	0.0
4/1/2011	3.14	39.61	39.81	0.20	0.0
4/28/2011	1.01	39.64	39.84	0.20	0.0
5/25/2011	3.78	39.64	39.84	0.20	0.05
6/28/2012	4.54	---	39.82	trace NAPL	0.0
12/28/2012	3.23	39.62	39.82	0.2	0.0
Approximate Volume Removed from MW-11D					0.05
MW-11S					
6/11/2010	3.48	---	10.50	---	0.0
7/7/2010	3.92	---	10.51	---	0.0
8/3/2010	4.03	---	10.50	---	0.0
10/28/2010	2.56	---	10.51	---	0.0
12/13/2010	2.50	---	10.52	---	0.0
12/28/2010	2.77	---	10.52	---	0.0
1/31/2011	3.43	---	10.52	---	0.0
3/2/2011	2.30	---	10.52	---	0.0
4/1/2011	3.03	---	10.52	---	0.0
4/28/2011	Well under water. Unable to access.				0.0
5/25/2011	3.34	---	10.52	---	0.0
6/28/2012	4.05	---	10.50	---	0.0
12/28/2012	2.93	---	10.52	---	0.0
Approximate Volume Removed from MW-11S					0.0
MW-12D					
6/11/2010	9.42	---	44.58	---	0.0
7/7/2010	10.86	---	44.57	---	0.0
8/3/2010	11.15	---	44.60	---	0.0
9/22/2010	11.75	---	44.56	---	0.0
10/28/2010	8.68	---	44.57	---	0.0
12/13/2010	Could not locate		---	---	0.0
12/28/2010	Could not locate		---	---	0.0
1/31/2011	Could not locate		---	---	0.0
3/2/2011	7.65	---	44.57	---	0.0
4/1/2011	9.14	---	44.56	---	0.0
4/28/2011	Well under water. Unable to access.				0.0
5/25/2011	10.43	---	44.56	---	0.0
6/28/2012	11.45	---	44.58	---	0.0
12/28/2012	9.00	---	44.58	---	0.0
Approximate Volume Removed from MW-12D					0.0
MW-13B					
6/11/2010	24.69	---	44.60	---	0.0
7/7/2010	25.01	---	44.55	---	0.0
8/3/2010	25.36	---	44.55	---	0.0
9/22/2010	25.34	---	44.55	---	0.0
10/28/2010	24.09	---	44.58	---	0.0
12/13/2010	23.98	---	44.55	---	0.0
12/28/2010	24.00	---	44.57	---	0.0
1/31/2011	25.11	---	44.57	---	0.0
3/2/2011	24.10	---	44.57	---	0.0
4/1/2011	24.72	---	44.57	---	0.0
4/28/2011	21.99	---	44.58	---	0.0
5/25/2011	24.06	---	44.58	---	0.0
6/28/2012	25.27	---	44.54	---	0.0
12/28/2012	16.99	---	44.54	---	0.0
Approximate Volume Removed from MW-13B					0.0

Table 1
NAPL Collection Well Placement Study - NAPL Monitoring Summary

NYSEG - Clark Street Former Manufactured Gas Plant Site - Auburn, New York

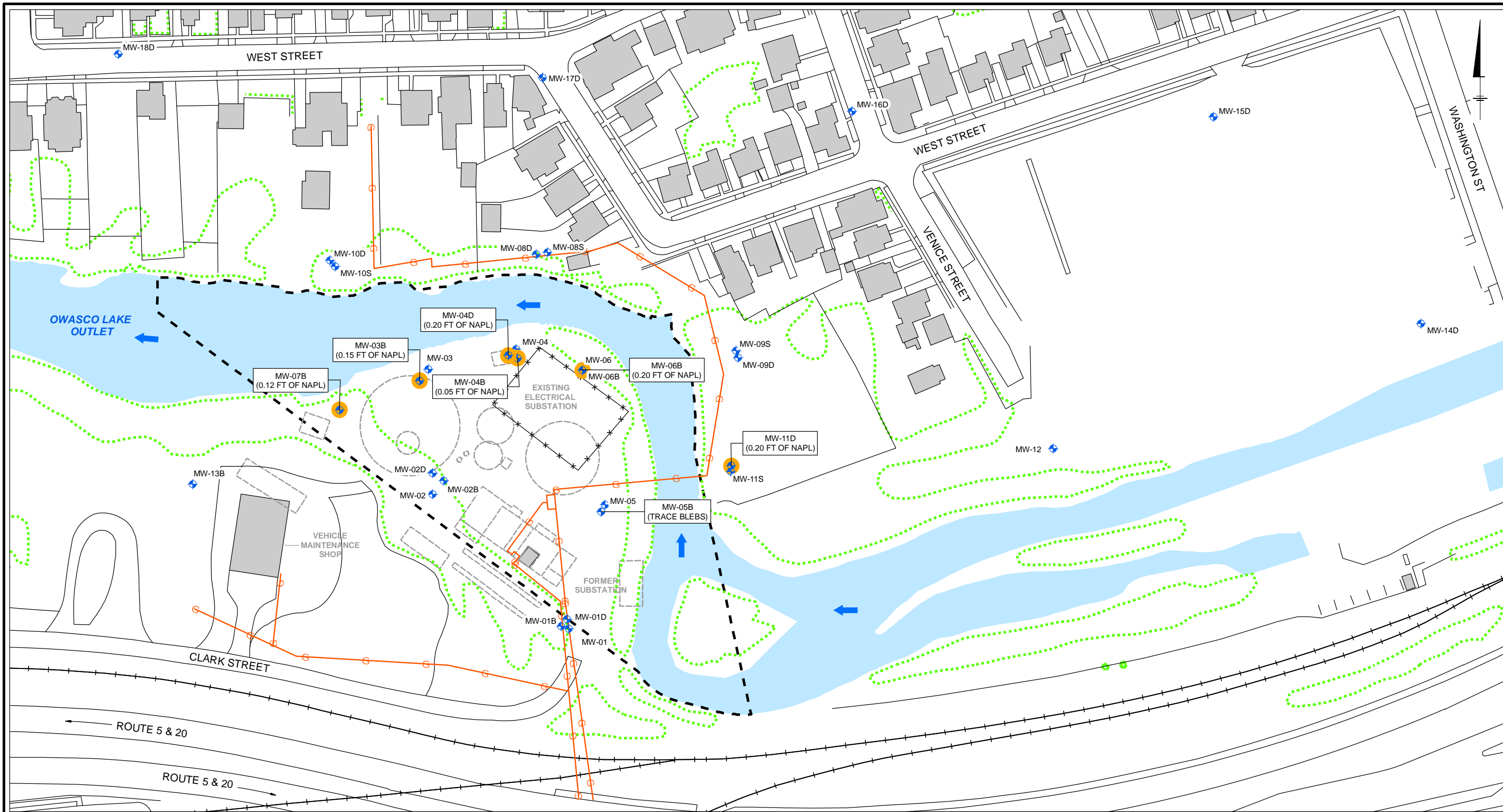
Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-14D					
6/11/2010	22.76	---	63.10	---	0.0
7/7/2010	24.63	---	63.10	---	0.0
8/3/2010	30.75	---	63.08	---	0.0
9/22/2010	34.78	---	63.08	---	0.0
10/28/2010	20.57	---	63.08	---	0.0
12/13/2010	18.85	---	63.08	---	0.0
12/28/2010	19.10	---	63.10	---	0.0
1/31/2011	19.79	---	63.10	---	0.0
3/2/2011	18.03	---	63.08	---	0.0
4/1/2011	22.75	---	63.08	---	0.0
4/28/2011	14.26	---	63.14	---	0.0
5/25/2011	28.71	---	63.12	---	0.0
6/28/2012	31.60	---	63.10	---	0.0
12/28/2012	23.29	---	63.10	---	0.0
Approximate Volume Removed from MW-14D					0.0
MW-15D					
6/11/2010	Covered with asphalt debris pile		---	---	0.0
7/7/2010	Covered with asphalt debris pile		---	---	0.0
8/3/2010	Covered with asphalt debris pile		---	---	0.0
9/22/2010	16.47	---	61.71	---	0.0
10/28/2010	Unable to locate		---	---	0.0
12/13/2010	Buried with debris		---	---	0.0
12/28/2010	Buried with debris		---	---	0.0
1/31/2011	Covered with asphalt debris pile		---	---	0.0
3/2/2011	Covered with asphalt debris pile		---	---	0.0
4/1/2011	Buried with debris		---	---	0.0
4/28/2011	Buried with debris		---	---	0.0
5/25/2011	Buried with debris		---	---	0.0
6/28/2012	Buried with debris		---	---	0.0
12/28/2012	Destroyed		---	---	0.0
Approximate Volume Removed from MW-15D					0.0
MW-16D					
6/11/2010	9.45	---	64.37	---	0.0
7/7/2010	10.31	---	64.40	---	0.0
8/3/2010	10.62	---	64.35	---	0.0
9/22/2010	11.19	---	64.34	---	0.0
10/28/2010	8.80	---	64.34	---	0.0
12/13/2010	Car parked over well		---	---	0.0
12/28/2010	10.02	---	64.34	---	0.0
1/31/2011	10.17	---	64.34	---	0.0
3/2/2011	9.76	---	64.34	---	0.0
4/1/2011	9.83	---	64.34	---	0.0
4/28/2011	Car parked over well		---	---	0.0
5/25/2011	9.99	---	64.34	---	0.0
6/28/2012	10.56	---	64.34	---	0.0
12/28/2012	Car/Snow on wel	---	---	---	0.0
Approximate Volume Removed from MW-16D					0.0
MW-17D					
6/11/2010	9.31	---	65.40	---	0.0
7/7/2010	9.65	---	65.20	---	0.0
8/3/2010	9.88	---	65.20	---	0.0
9/22/2010	10.05	---	65.22	---	0.0
12/13/2010	8.37	---	65.20	---	0.0
12/28/2010	8.66	---	65.20	---	0.0
1/31/2011	9.11	---	65.20	---	0.0
3/2/2011	8.15	---	65.20	---	0.0
4/1/2011	2.92	---	65.20	---	0.0
4/28/2011	6.34	---	65.22	---	0.0
5/25/2011	9.32	---	65.22	---	0.0
6/28/2012	10.05	---	65.20	---	0.0
12/28/2012	8.86	---	65.20	---	0.0
Approximate Volume Removed from MW-17D					0.0

Table 1
NAPL Collection Well Placement Study - NAPL Monitoring Summary

NYSEG - Clark Street Former Manufactured Gas Plant Site - Auburn, New York

Well ID/Date	Depth to Water	Depth to NAPL	Depth to Bottom	Approximate NAPL Thickness (ft)	Approximate NAPL Volume Removed (gal)
MW-18D					
6/11/2010	Obstruction at 13.3		---	---	0.0
7/7/2010	Obstruction at 13.3		---	---	0.0
8/3/2010	Dry		13.30	---	0.0
10/28/2010	Dry - Well caved in		13.30	---	0.0
12/13/2010	Dry - Well caved in		13.30	---	0.0
12/28/2010	Dry - Well caved in		---	---	0.0
1/31/2011	Dry - Well caved in		13.30	---	0.0
3/2/2011	Dry	---	13.30	---	0.0
4/1/2011	Dry	---	13.30	---	0.0
4/28/2011	Dry - Well caved in		---	---	0.0
5/25/2011	Dry - Well caved in		---	---	0.0
6/28/2012	Dry - Well caved in		12.50	---	0.0
12/28/2012	Dry	---	13.30	---	0.0
Approximate Volume Removed from MW-18B					0.0
Total Recovered NAPL volume to date:					3.23

City: SYR Div/Group: SWG Created By: J.RAPP Last Saved By: jrapp
NYSEG (B0013091.0002.00170)
Q:\NYSEG\FormerClarkSt\Site\AnnualNAPL Monitoring\mxd\NAPL_Gauging_Dec2012.mxd 6/17/2013 2:00:43 PM

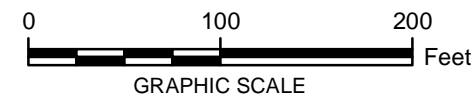


LEGEND:

- EXISTING MONITORING WELL
- MONITORING WELL CONTAINING MEASURABLE QUANTITIES OF NAPL
- NATURAL GAS LINE
- CHAIN LINK FENCE
- RAILROAD
- TREE LINE
- FORMER MGP STRUCTURE/
FORMER ELECTRICAL SUBSTATION
- EXISTING BUILDING
- SITE BOUNDARY (SEE NOTE 2)

NOTES:

- BASEMAP GENERATED FROM SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT FIGURE 1-2 PREPARED BY URS (1117329.00000\DB\GIS\SITEPLAN.MXD) DATED 07/13/2006.
- SITE BOUNDARY AS DEPICTED IN NYSDEC ROD.



NYSEG
CLARK STREET FORMER MGP SITE
AUBURN, NEW YORK
SEMI-ANNUAL NAPL MONITORING

DECEMBER 2012 NAPL MONITORING



FIGURE
1