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September 15, 2015

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Subject: **NAPL Recovery – Status Report for August 2015**
Site #: 7-09-011
NYSEG – Norwich Former MGP Site

Dear Ms. Saucier:

On behalf of New York State Electric and Gas Corporation (NYSEG), AECOM has prepared this monthly status report to describe events associated with non-aqueous phase liquid (NAPL) recovery at the Norwich Former Manufactured Gas Plant (Site) in Norwich, NY. This letter provides a summary of activities at the Site during the month of August 2015. Figure 1 shows the layout of the NAPL recovery system.

PRODUCT RECOVERY

During system operation throughout the month of August, the NAPL collection system recovered 1198 gallons of total fluids (NAPL and water) for a total volume of 93,240 gallons to date. The total fluids recovery rate was approximately 38 gallons per day (gpd). A summary of recovered fluids in the month of August is provided below and a cumulative NAPL recovery summary is provided in Figure 2.

Measurements of NAPL thickness were taken as part of Site visits on August 13, August 20, and August 27 (see Table 1). As proposed in the March 2012 Status Report, a weighted steel tape with Kolor Kut[®] was used to gauge the wells for NAPL. Thicknesses are measured while recovery pumps are operational and do not reflect the static NAPL thickness in each well. Thicknesses of NAPL in each currently active recovery well are shown in Figures 3 through 6 and thicknesses of non-recovery wells are shown on Figures 7 through 12.

Table 1. NAPL Thickness in Recovery Well (feet)

Well	08-13-15	08-20-15	08-27-15	Ave ¹ 2010	Ave ¹ 2011	Ave ¹ 2012	Ave ¹ 2013	Ave ¹ 2014	Ave ¹ 2015
RW-09-01	1.8	1.9	0.7	3.6	1.8	2.1	1.9	1.7	1.4
RW-09-02	1.9	1.8	1.8	2.7	2.0	1.9	2.1	1.8	1.9
RW-09-03	3.7	4.0	1.6	7.1	3.5	4.3	3.5	3.3	3.0
RW-09-04	4.1	3.6	8.4	4.0	4.4	2.3	3.2	4.5	4.7
RW-09-05	1.2	1.1	5.6	3.5	0.6	1.2	1.4	1.4	1.8
RW-09-06	5.0	5.9	2.3	8.4	8.5	6.9	6.7	6.3	5.5
RW-09-07	4.5	4.2	4.5	4.6	8.0	4.4	3.4	4.3	5.1
RW-10-01	3.7	3.8	1.2	2.0	2.7	3.3	3.2	1.8	2.0
RW-10-02	6.8	7.0	3.9	2.1	3.4	11.1	6.8	6.3	6.1
RW-10-03	1.0	1.2	5.3	0.8	3.4	3.6	4.1	3.9	2.7

¹Ave is the average NAPL thickness measured during that period (running total for 2015)

Note wells are constructed with 2 foot sumps at the base exaggerating DNAPL thicknesses by up to 2 feet

Pumping wells presented in Bold

RECOMMENDATIONS

NAPL recovery and monitoring will continue in the month of September 2015 from extraction wells RW-09-03, RW-09-06, RW-09-07, and RW-10-02.

Should you have any questions or require additional information in the meantime, please do not hesitate to call me at (518) 951-2391 or Tracy Blazicek at (607) 762-8839.

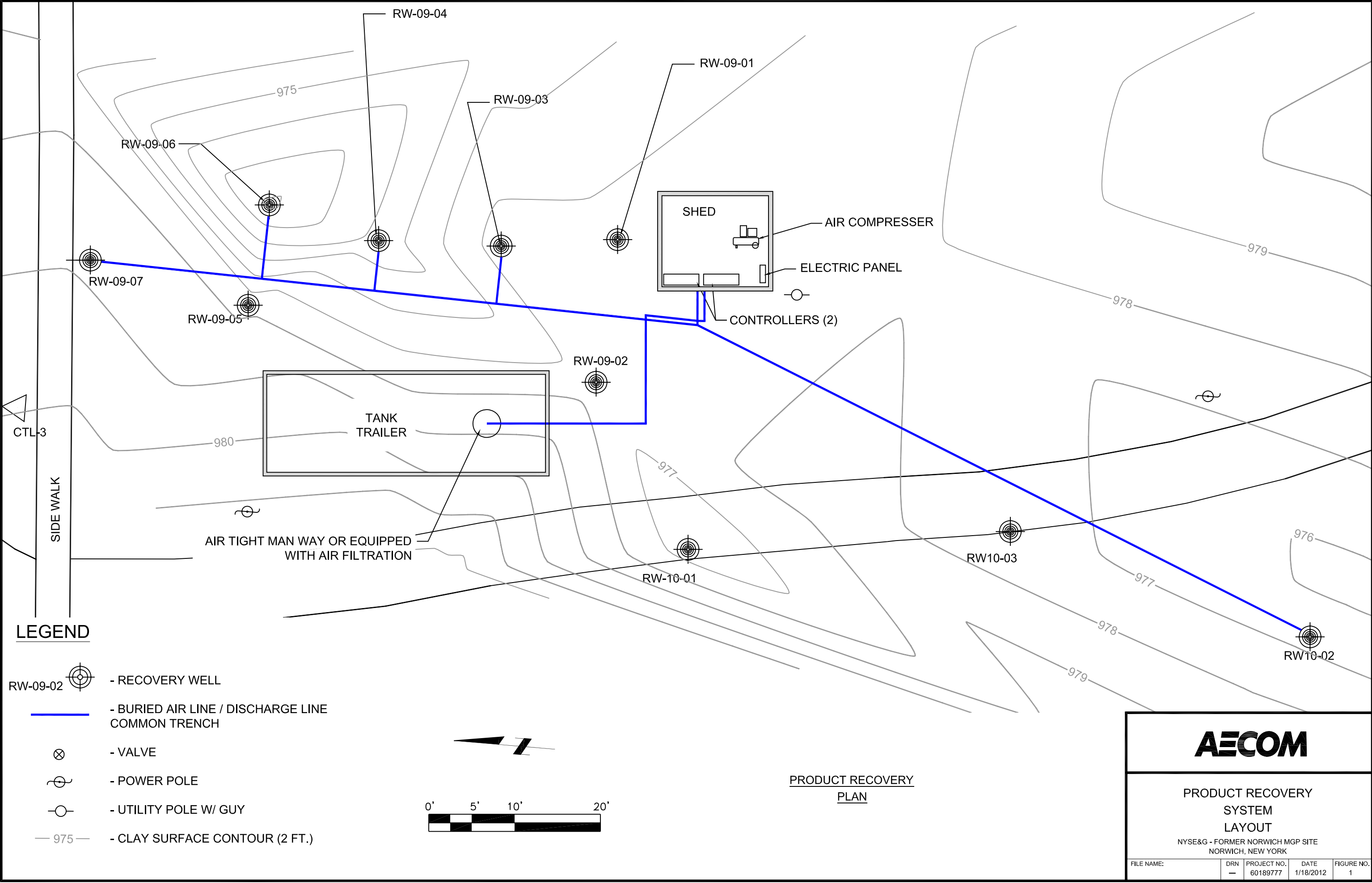
Yours sincerely,

Scott McDonough
Project Manager

cc: T. Blazicek, NYSEG
Scott Underhill, AECOM

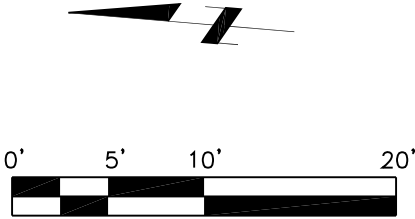
Figures

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LEGEND

- RECOVERY WELL
- BURIED AIR LINE / DISCHARGE LINE
- COMMON TRENCH
- VALVE
- POWER POLE
- UTILITY POLE W/ GUY
- CLAY SURFACE CONTOUR (2 FT.)



PRODUCT RECOVERY
PLAN



PRODUCT RECOVERY
SYSTEM
LAYOUT

NYSE&G - FORMER NORWICH MGP SITE
NORWICH, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	-	60189777	1/18/2012	1

Figure 2
Cumulative NAPL Recovery (2009 - July 2015)
NYSEG Norwich Former MGP Site

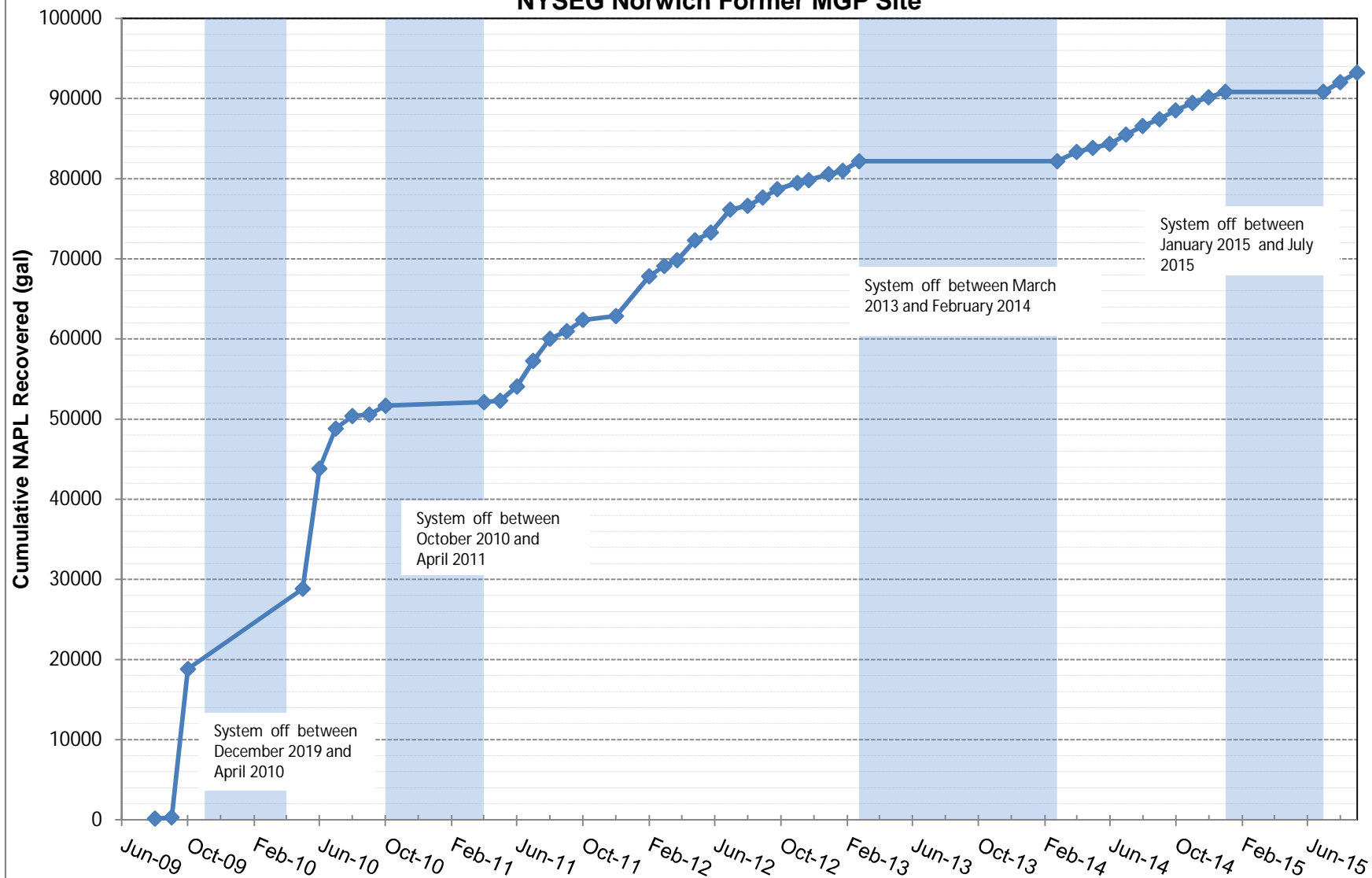


Figure 3
NAPL Monitoring of Recovery Wells
NYSEG Norwich Former MGP Site

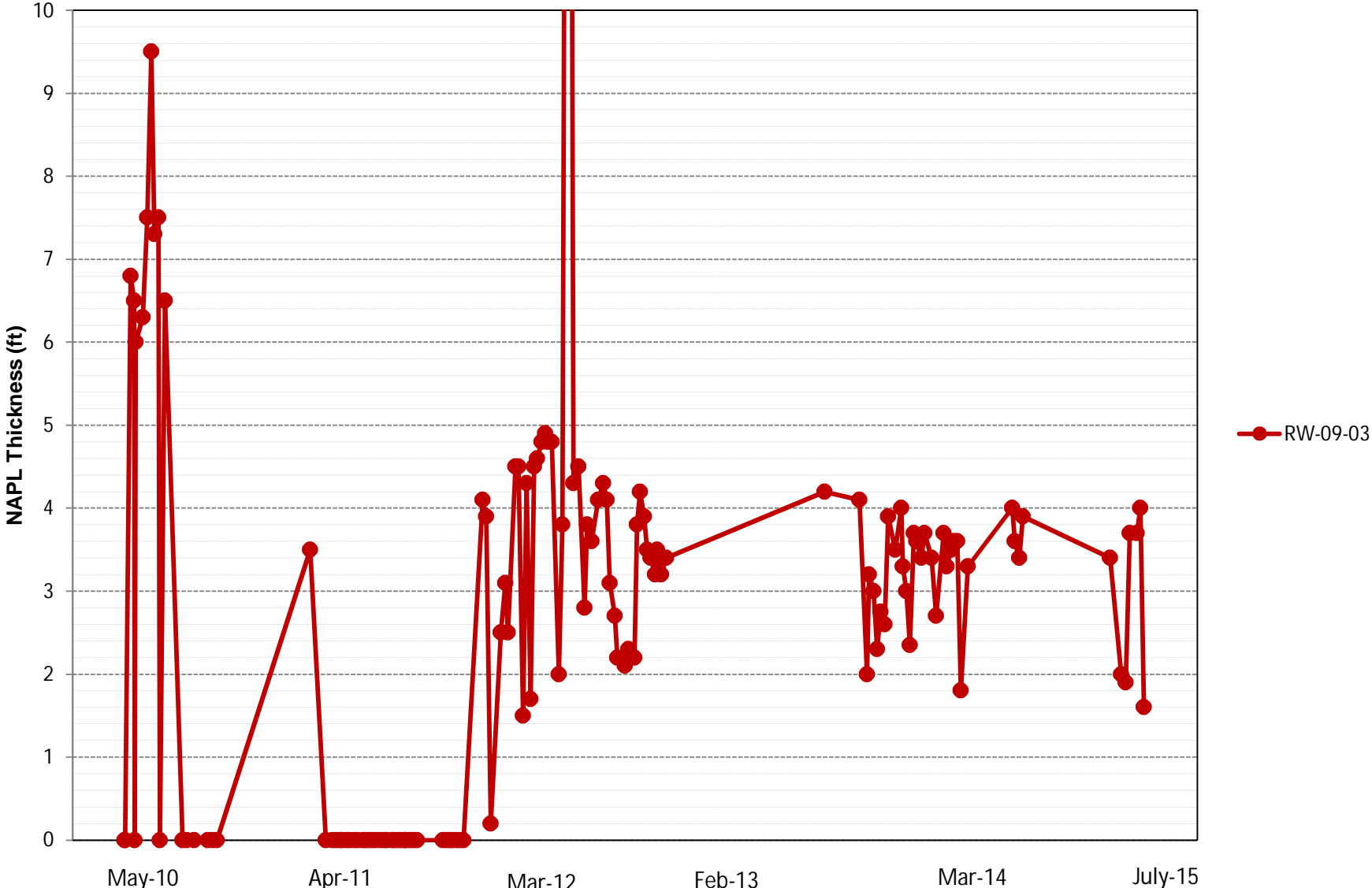


Figure 4
NAPL Monitoring of Recovery Wells
NYSEG Norwich Former MGP Site

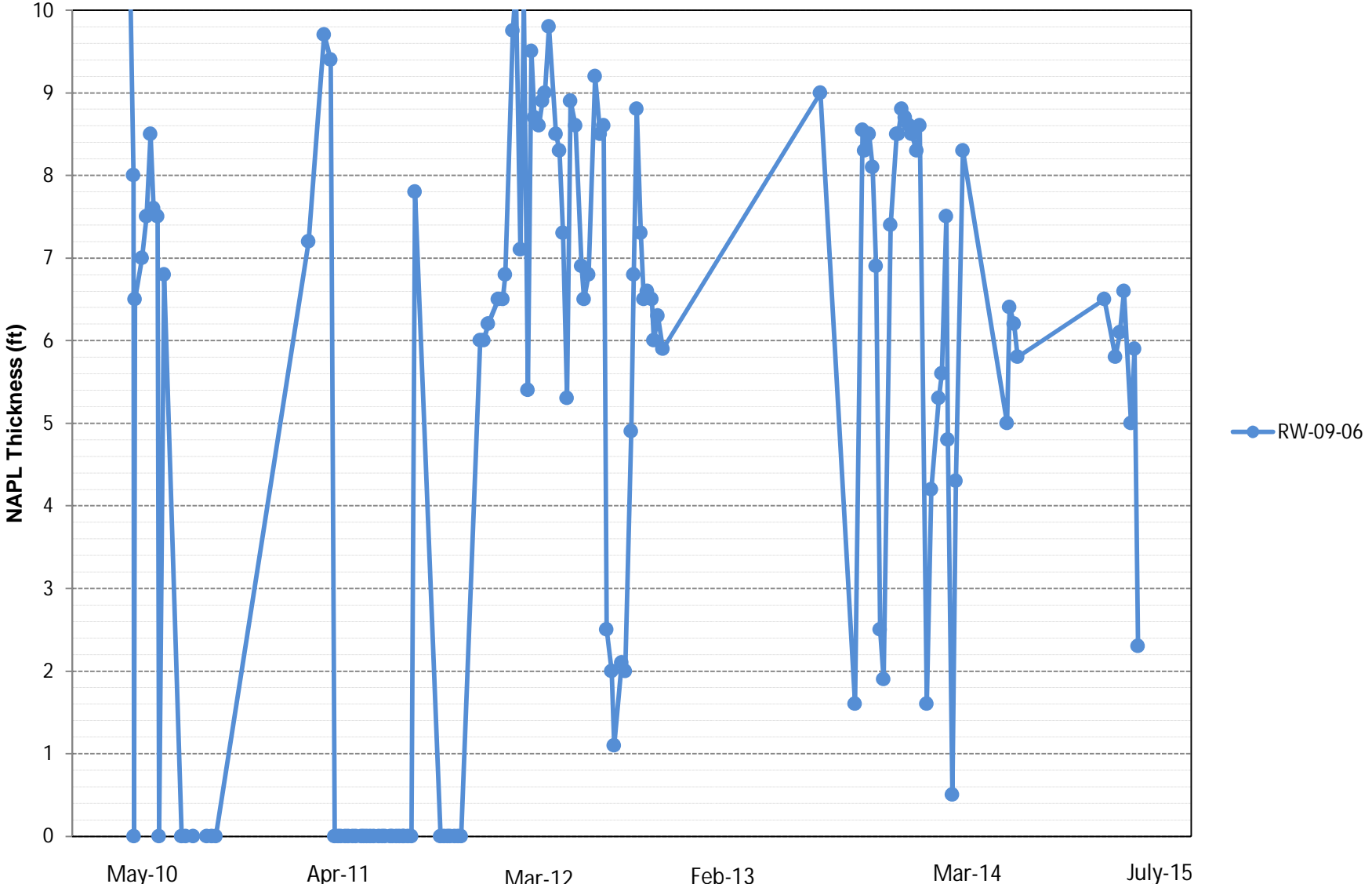


Figure 5
NAPL Monitoring of Recovery Wells
NYSEG Norwich Former MGP Site

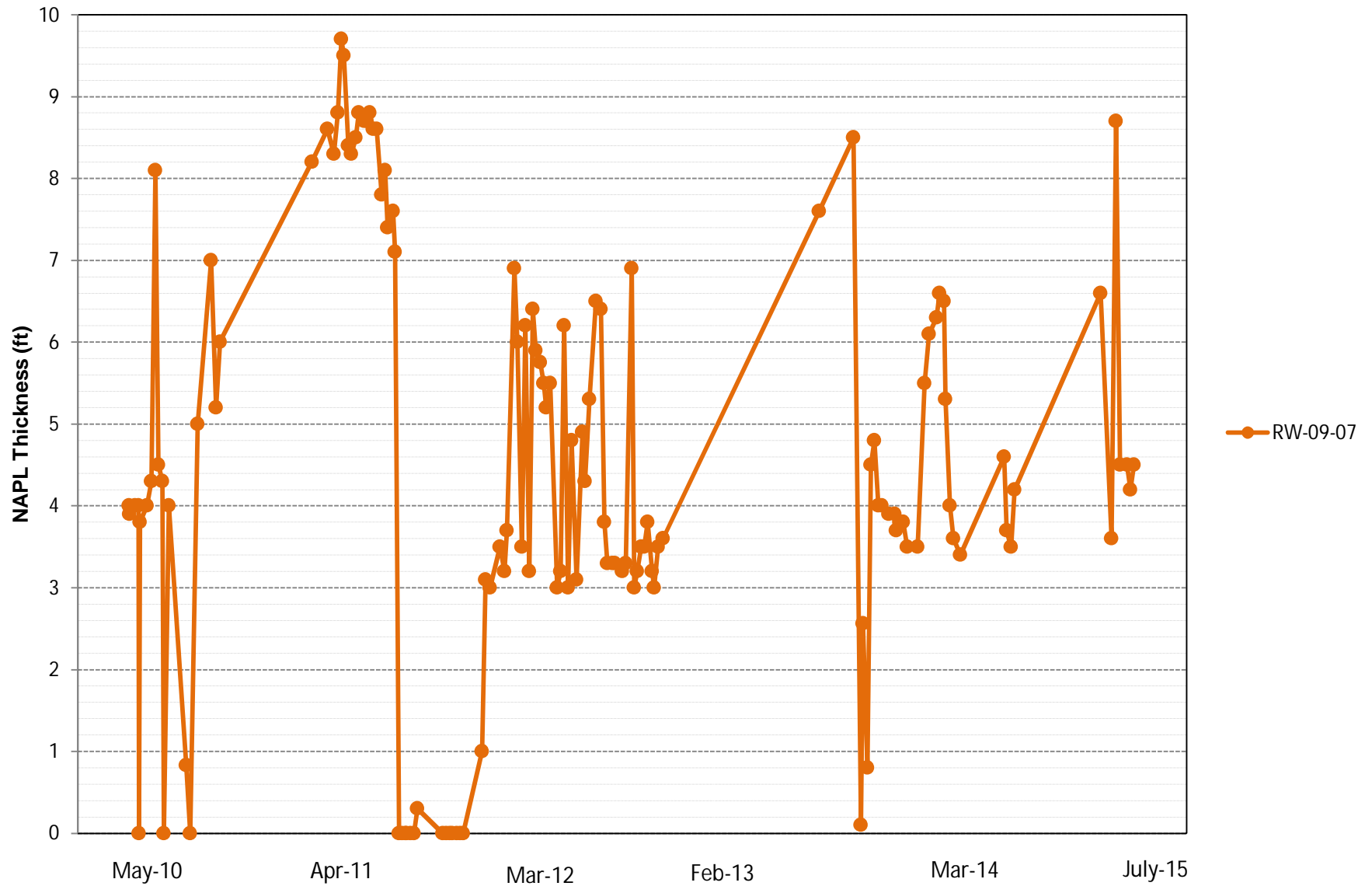


Figure 6
NAPL Monitoring of Recovery Wells
NYSEG Norwich Former MGP Site

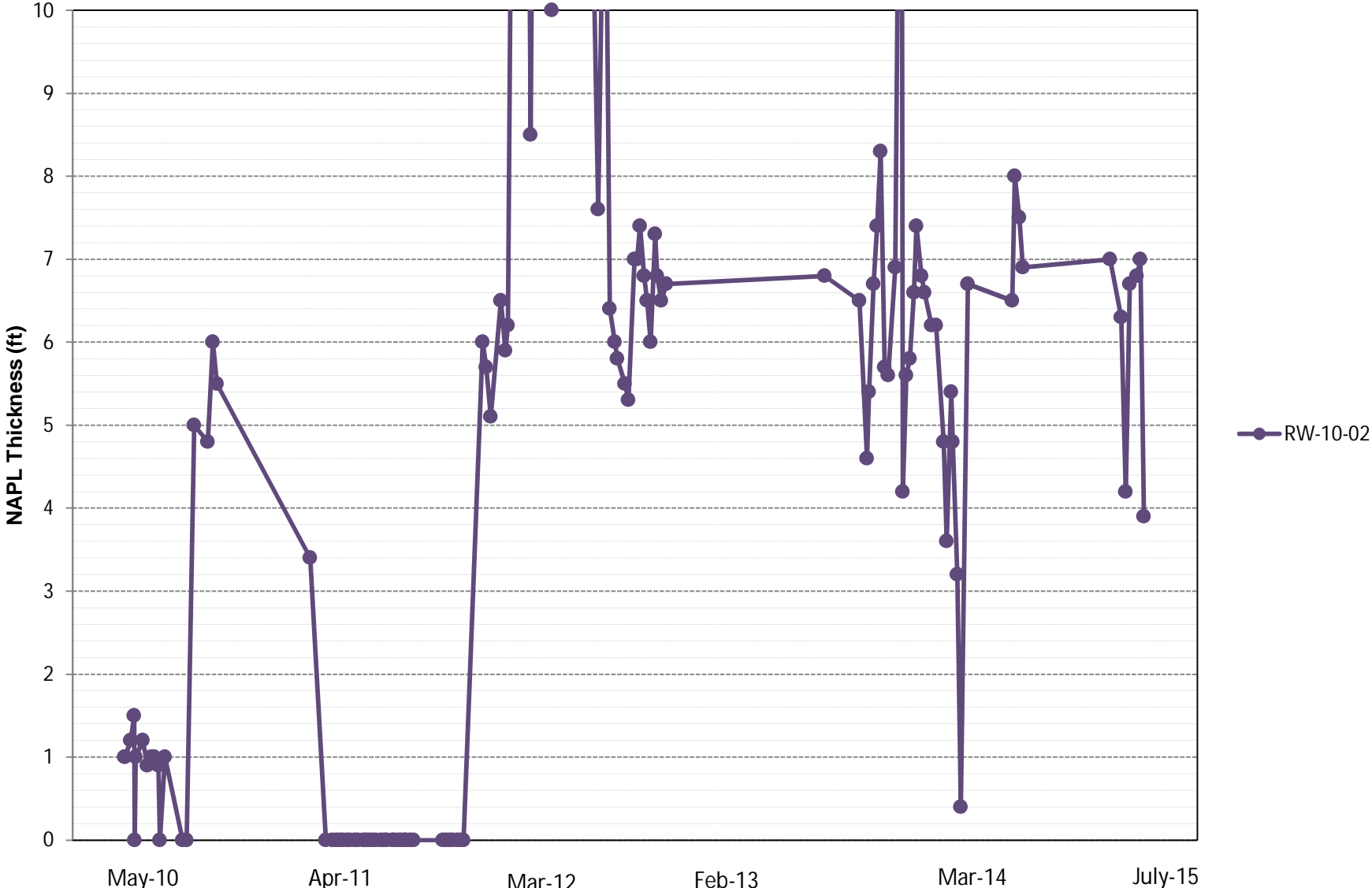


Figure 7
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

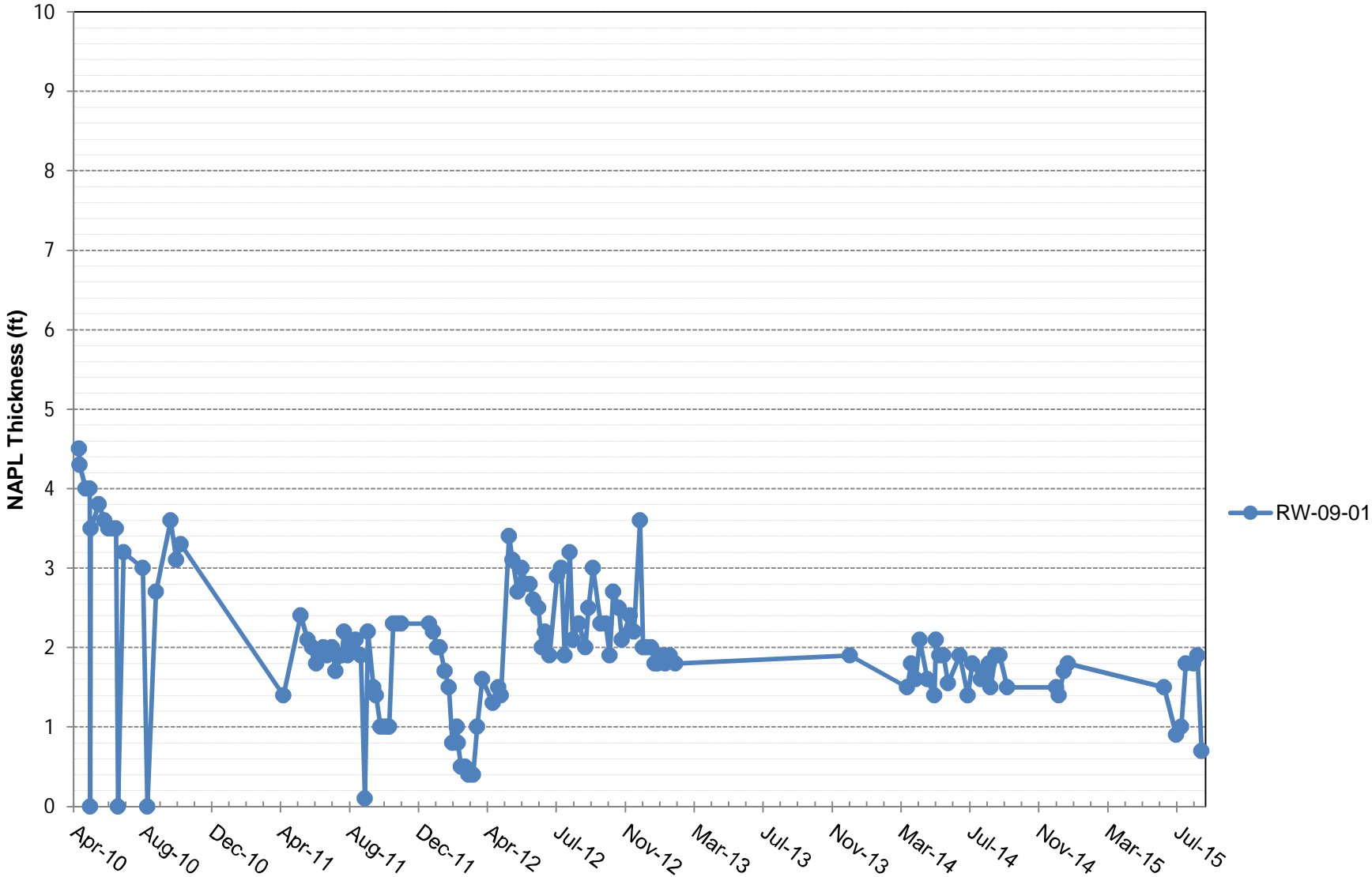


Figure 8
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

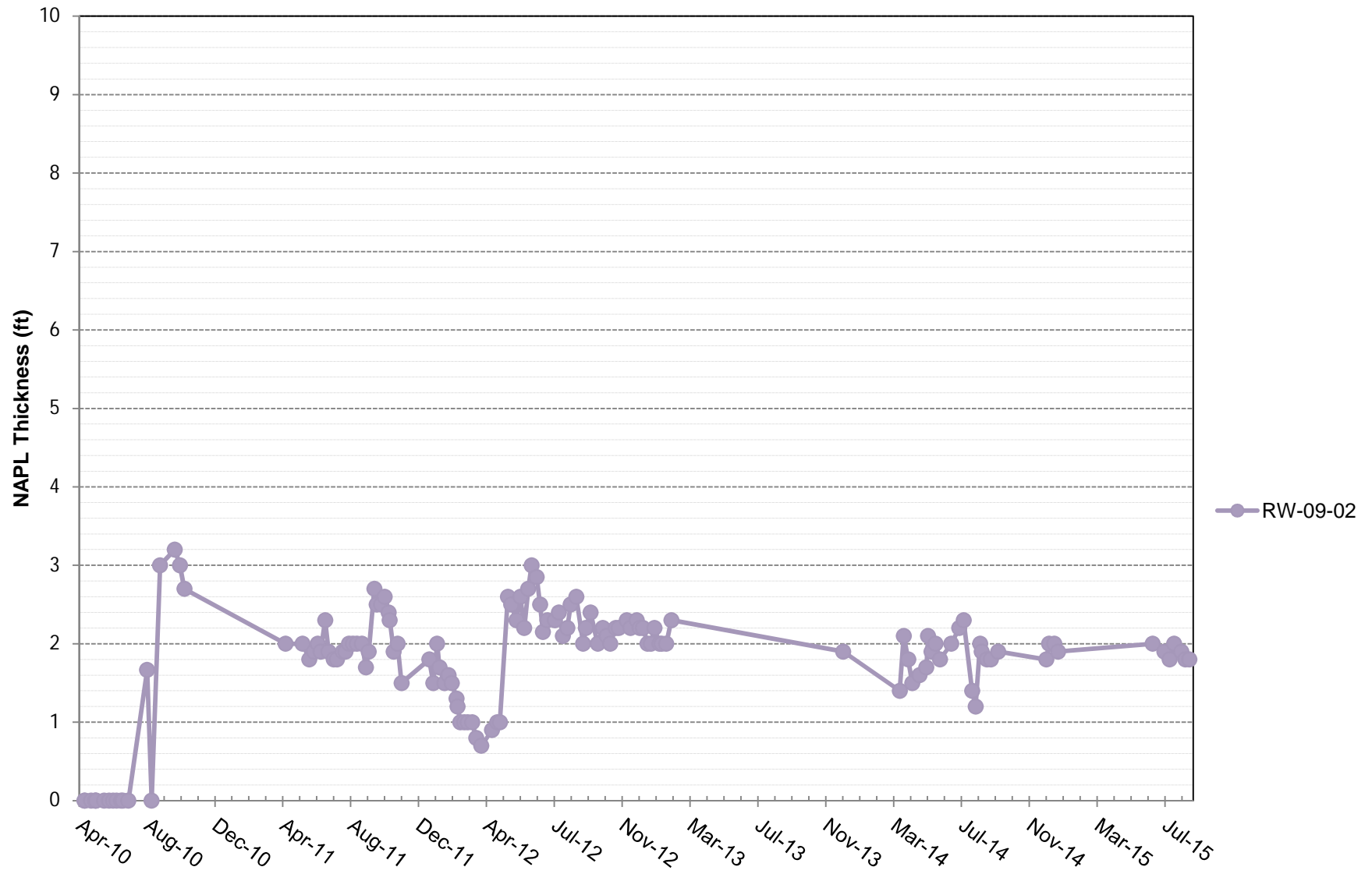


Figure 9
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

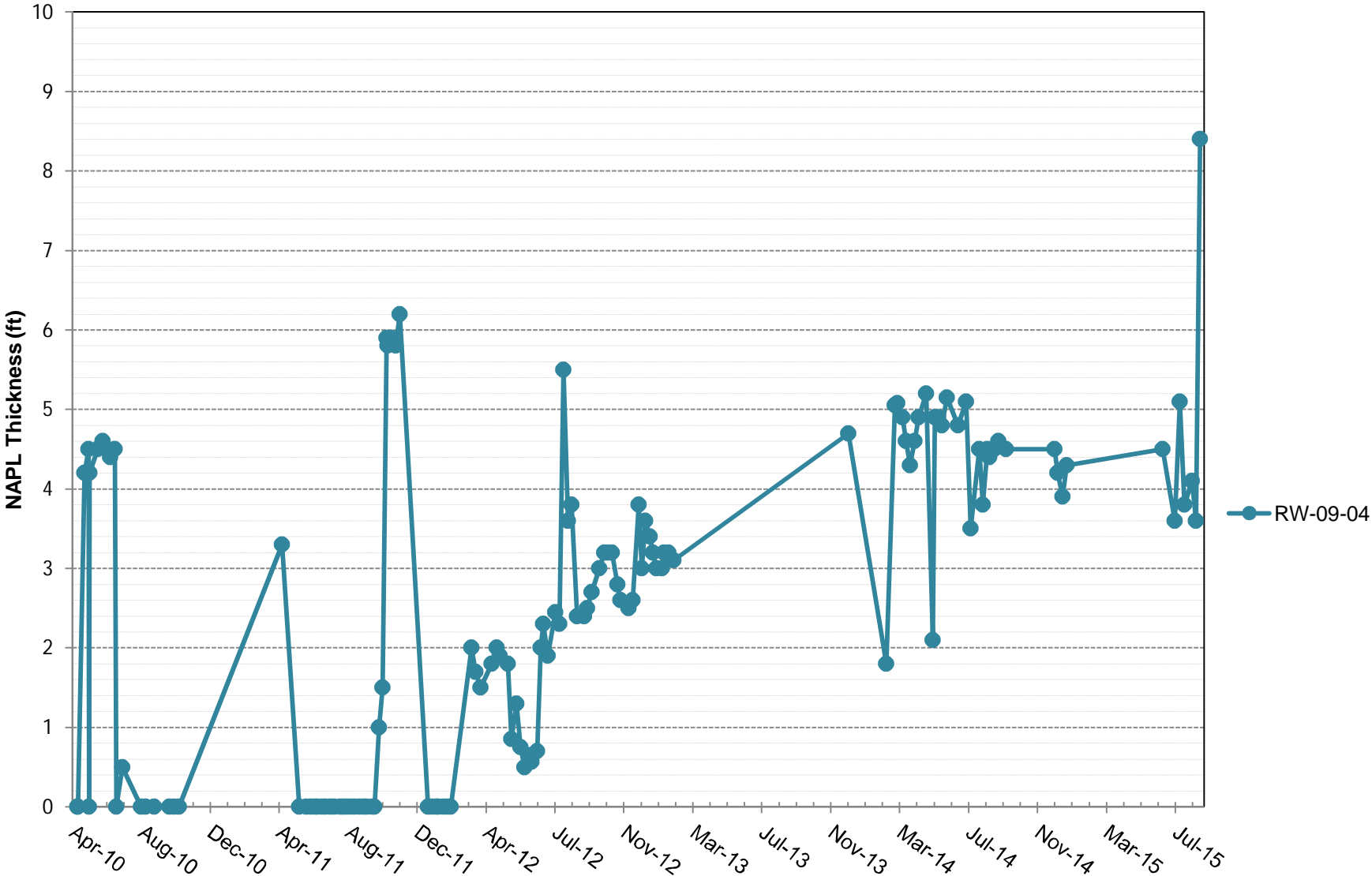


Figure 10
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

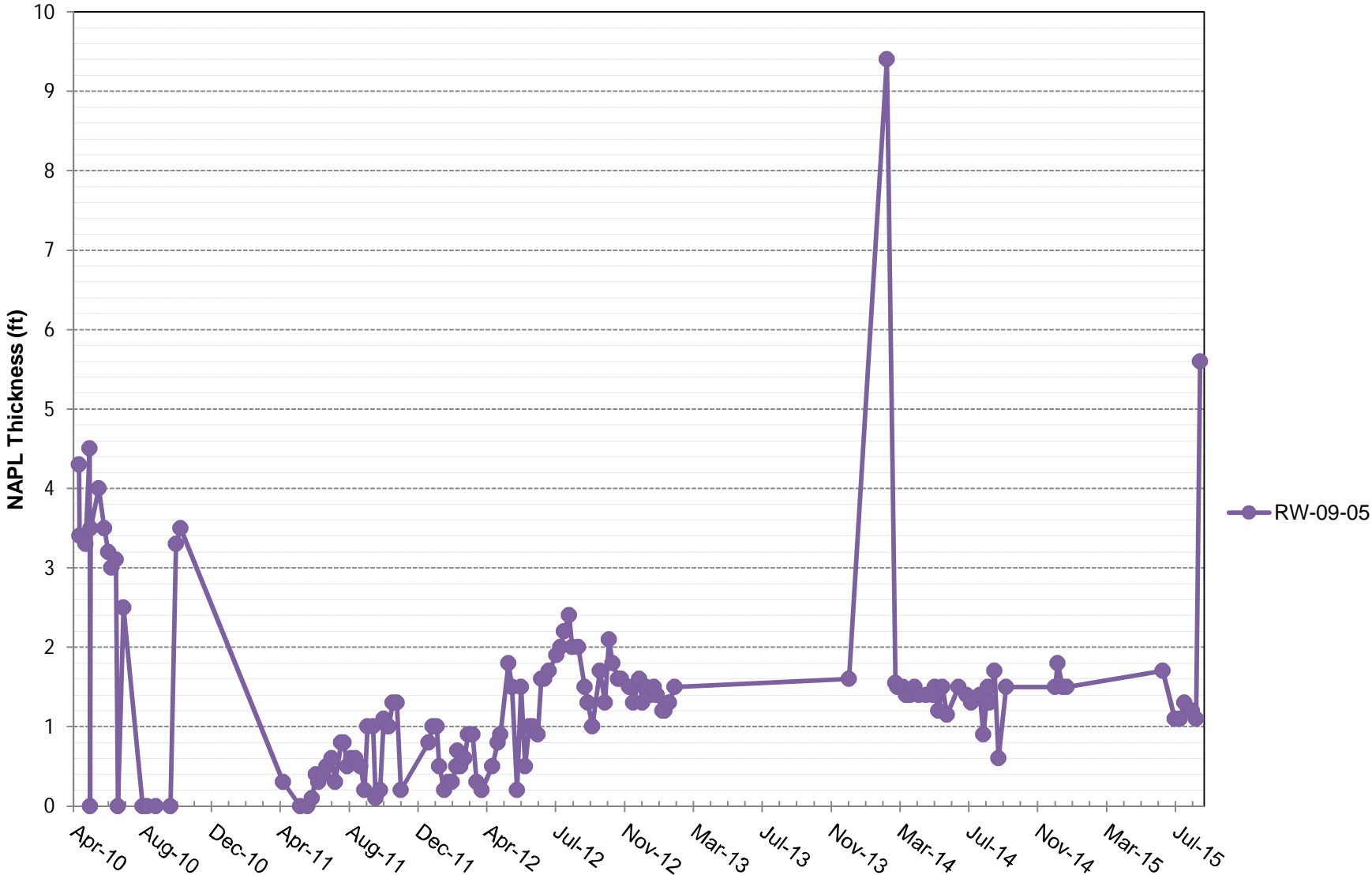


Figure 11
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

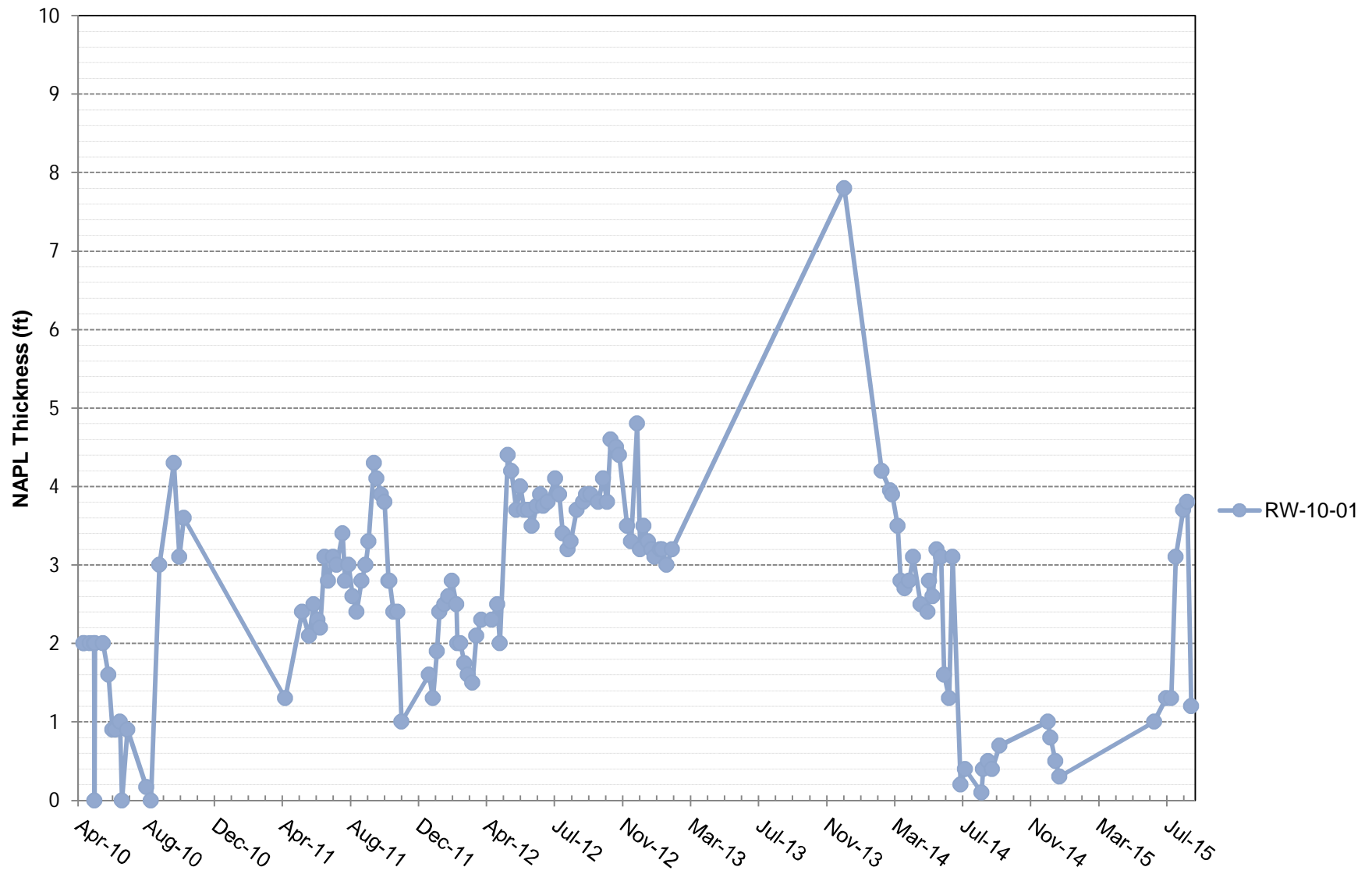


Figure 12
NAPL Monitoring of Non-Pumping Recovery Wells
NYSEG Norwich Former MGP Site

