From: "Underhill, Scott" <Scott.Underhill@aecom.com>
To: John Spellman <jtspellm@gw.dec.state.ny.us>
CC: "Blazicek, Tracy" <tlblazicek@nyseg.com>
Date: 8/9/2011 3:05 PM
Subject: NYSEG Mechanicville 1st Quarterly Monitoring Report
Attachments: NYSEG Mechanicville 1st Quarterly Report 08-08-11.pdf

John,

Attached is the first quarterly monitoring report for the Mechanicville Central Avenue Site. Per the site management plan, quarterly monitoring reports will be required for the first year with the monitoring frequency evaluated thereafter.

Also, the title search is almost complete. This has taken longer than anticipated due to the number of parcels that have historically made up the two current parcels. The only missing piece is a single deed for one of the older parcels. As soon as we get the title search back and begin working on the easement, we'll let you know.

If you have any questions, please contact me.

Thanks,

Scott

Scott Underhill, PE

Project Engineer

Environment

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August 8, 2011 **SENT VIA ELECTRONIC MAIL**

Mr. John Spellman
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Subject: **Mechanicville Site Management First Quarterly Status Report (April-June 2011)**
Site #: 546033
NYSEG – Mechanicville Central Avenue Former MGP Site

Dear Mr. Spellman,

On behalf of New York State Electric and Gas Corporation (NYSEG), AECOM has prepared this letter to describe events associated with site management activities at the Mechanicville Central Avenue Former Manufactured Gas Plant (Site) in Mechanicville, NY. The report summarizes activities performed at the Site between April 2011 and June 2011 in accordance with the site management plan (SMP) approved by the New York State Department of Conservation (NYSDEC) in April 2011.

The Mechanicville former MGP Site is located on North Central Avenue in Mechanicville, Saratoga County, NY. The Site is bordered on the east by North Central Avenue (formerly the Champlain Canal); on the south by Ferris Lane; on the west by G. A. Bove & Sons, a fuel distributor; and on the north by the Anthony Kill, a small tributary that flows eastward into the Hudson River.

The SMP requires select wells be monitored for non aqueous phase liquids (NAPL) and the Anthony Creek be monitored for NAPL blebs quarterly for the first year. The monitoring frequency will be evaluated thereafter. The SMP requires removal of NAPL from wells with greater than 0.5 feet of NAPL; annual streambank stabilization observations; and groundwater sampling of selected wells once every two years until the results meet the groundwater standards, criteria, and guidance's (SCGs) for at least two consecutive sampling events. The groundwater sampling was not conducted this quarter and is scheduled for the first quarter of 2012. Indoor air quality sampling is required prior to change in site useage or site development.

NAPL Monitoring

On June 20, 2011, monitoring wells TW-1, TW-2I, TW-3, MW-1D, MW-10D, MW-33D, MW-34D, MW-42D, MW-44I, and MW-45I were monitored to measure the accumulation of NAPL in each well. The well locations are depicted in Figure 1. A weighted string was lowered down the monitoring well casing until the bottom of the monitoring well was reached. The string was then removed from the well, and the amount of NAPL present on the string was measured. Monitoring well MW-35I, not located during the June 20 site visit due to heavy vegetation, was monitored for NAPL on June 30, 2011 when the well could be located with a metal detector.

Table 1 summarizes the NAPL thickness in select monitoring wells in June 2011.

Table 1 - Summary of NAPL Monitoring (June 2011)

Monitoring Well	NAPL Thickness (ft)	NAPL Removed (Gallons)
TW-1	0.3	0
TW-2I	0.05	0
TW-3	0.05	0
MW-1D	NM	0
MW-10D	0.08	0
MW-33D	NM	0
MW-34D	NM	0
MW-35I	0.8	1.5
MW-42D	0.05	0
MW-44I	0.02	0
MW-45I	2.8	4.0

NM = No measureable NAPL observed

NAPL RECOVERY

Removal of NAPL was required in MW-35I and MW-45I since more then 0.5 ft of NAPL was measured. NAPL was manually removed using a bailer on June 30, 2011. A plastic sheeting was placed on the ground around the well to prevent NAPL from contacting the ground. Removed NAPL was placed into a five gallon bucket which was then emptied into a 55 gallon storage drum located on site. The drum was appropriately labeled and sealed. The bucket and waste generated (gloves, poly, paper towels, used string) were placed in a separate 55-gallon drum on-site, which was also labeled.

Approximately 15 gallons of NAPL and water was manually removed from MW-35I and MW-45I: approximately five gallons from MW-35I, which contained approximately 30% NAPL and 70% water and approximately 10 gallons of fluid from MW-45I, which contained approximately 40% NAPL and 60% water. The volume of NAPL removed during this quarter is summarized in Table 1.

STREAMLINE AND CREEK OBSERVATION

The Anthony Kill was observed for signs of visible NAPL blebs on June 20, 2011, and June 30, 2011. The water level was relatively higher in the creek on June 30, 2011 due to a rain storm earlier that week. No NAPL blebs were observed during either visit from the location where the sediment removal occurred in September 2011.

STREAMBANK STABILIZATION

The stream bank appeared to be completely vegetated with grass and clovers. Cattails were growing in seep areas, stabilizing the soils. Willow live stakes were growing as planned and their fibrous root system is helping in stabilizing the soil along the stream bank. Some areas of the bank were gelatinous, but stable. Five out of 31 trees did not have leaves on them. Hence, the survival rate of

the trees is 84% comparable to desired 85%. Pictures of the streambank vegetation are included in the attached photo log.

BUILDING DEMOLITION

During the visit on June 20, 2011, the former mechanic's shop and repair building was found demolished. Although the concrete building slab remained in place, some soil between the ground and the slab was exposed. The soil looked clean, and was monitored for volatile inorganic chemicals (VOCs) using a photo ionization detector (PID) on June 30, 2011. No VOCs were detected in the exposed soils. Pictures of the demolished building, remaining building slab, and locations of the grab saples for PID screening are included in the attached photo log.

If you have any questions please contact me at (518) 396-7638, or contact me via email at Scott.Underhill@aecom.com.

Yours sincerely,



Scott Underhill, P.E.
Project Manager

cc: T. Blazicek, NYSEG

FIGURES

MW-20D

MW-35I

MW-34D

ANTHONY KILL
(AKA TENANDAHO CREEK)

NORTH CENTRAL AVENUE
(VARIABLE WIDTH R.O.W.)

MW-32D

X

TW-4

MW-15IR

MW-22IR

TW-3

MW-29IR

TW-2I

TW-2S

MW-14

MW-14S

MW-14D

MW-17D

MW-17I

CONCRETE
SLAB

MW-46I

MW-2

MW-2I

GRAVEL

MW-44I

MW-25D

MW-25I

MW-12S

MW-45I

MW-13

MW-12

TW-1

MW-30D

MW-30S

MW-17

MW-18

ASHPALT

NATURAL GAS
REGULATOR
BLDG.

MW-1I

MW-1

MW-1D

MW-10D

MW-10

MW-10I

MW-33D

MW-40D

MW-38D

MW-38I

ELECTRIC
SUB-STATION

MW-42D

MW-39D

WEST WAY
(12' R.O.W.)

JAMES STREET
(23' R.O.W.)

BURKE AVENUE

EAST WAY
(12' R.O.W.)

FRANCIS STREET

FERRIS LANE (PRIVATE)
(12 FOOT WIDE RIGHT-OF-WAY)

LEGEND

MW-12S	MONITORING WELL
	WELL USED FOR NAPL MONITORING
	WELL USED FOR SAMPLING
	APPROXIMATE LOCATION OF FRACTURES
	EXTENT OF 2009 SOIL REMOVAL LIMITS
X	ANTHONY KILL OBSERVATION LOCATION

0' 30' 60' 120'

AECOM

QUARTERLY REPORT

NAPL MONITORING LOCATIONS

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	8 / 2011	1

Plotted By: meisterk
Layout-Sheet Name: --1
Plot File Date Created: Aug/01/2011 12:22 PM

Filename: L:\WORK\94560\CADD\QUATERLY_REPORT\NAPL-MONITORING.DWG

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	60162147

Photo No.	Date:
1	06/30/11

Direction Photo Taken:

Southwest

Description:

View of streambank vegetation.



Photo No.	Date:
2	06/20/11

Direction Photo Taken:

Northeast

Description:

View of streambank vegetation .



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	60162147

Photo No.	Date:
3	06/30/11

Direction Photo Taken:

Down

Description:

View of the planted willow stakes on the streambank.



Photo No.	Date:
4	06/30/11

Direction Photo Taken:

Down

Description:

View of the planted willow stakes at the streambank.



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	60162147

Photo No.	Date:
5	06/30/11

Direction Photo Taken:

Northeast

Description:

View of cattails and other vegetation on streambank.



Photo No.	Date:
6	06/30/11

Direction Photo Taken:

West

Description:

Stream observation area.



AECOM

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	60162147

Photo No.	Date:
7	06/20/11

Direction Photo Taken:

East

Description:

View of the demolished former gas regulator building.



Photo No.	Date:
8	06/20/11

Direction Photo Taken:

West

Description:

View of the demolished former gas regulator building.



PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	60162147

Photo No.	Date:
9	06/30/11

Direction Photo Taken:

Southwest

Description:

View of the existing former gas regulator building slab and locations of grab samples for PID analysis.



Photo No.	Date:
10	06/30/11

Direction Photo Taken:

Southeast

Description:

View of the existing former gas regulator building slab.

