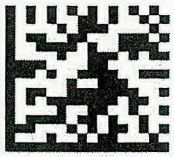

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Report. HW: 704031. 2009.02.03_NAPL_Barrier_Wall Annual Report.

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Mr. Anthony Karwiel
Environmental Engineer
Remedial Bureau "C", 11th Floor
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7010

Subject:
New York State Electric & Gas Corporation
Report for 66-Inch Storm Sewer Liner Annual Monitoring
Court Street Site, Binghamton, New York

Date:
February 3, 2009

Contact:
Margaret Carrillo-Sheridan

Phone:
315.671.9167

Email:
mcsheridan@
arcadis-us.com

Our ref:
B0013041.00009 #5

Dear Mr. Karwiel:

On behalf of NYSEG (New York State Electric & Gas Corporation), please find attached a completed Interim Remedial Measure (IRM) monitoring log for a recent annual monitoring event conducted in the lined portion of the 66-inch storm sewer at the above-referenced site. The monitoring event was conducted on October 24, 2008 in accordance with the NYSDEC-approved *Storm Sewer Interim Remedial Measure Monitoring Plan* (BBL, June 2005). That plan calls for annual monitoring of the storm sewer to confirm and document that non-aqueous phase liquid (NAPL) is not infiltrating the 66-inch storm sewer through the liner installed during the Storm Sewer IRM.

During the October 2008 monitoring event, black NAPL-like material was observed on the interior of the liner joiner strips at several locations between 155 feet and 170 feet south of manhole MH-2 (Attachment A, Exhibit 1). NAPL-like material appeared to be present along the west wall joiner strip from the 9- to 7-o'clock position (facing south/downstream from MH-2). When wiped from the liner wall, the NAPL-like material appeared to exhibit a coal tar-like odor. No sheens or NAPL were observed in the water or sediment present in the pipe at or downstream of this location. Other stained areas (lighter in color and not of the same physical consistency as the NAPL-like material) along the inside of the PVC liner pipe were also observed during the inspection, but none exhibited a coal tar-like odor. The impacted seams (containing NAPL-like material) described above appeared to be consistent with those observed during the August 2006 monitoring event. As discussed in the January 23, 2008 monitoring report, these seams were removed and evaluated for potential failure, and subsequently repaired in November of 2006 by reseating the joiner strips. No

obvious seam failure was observed as part of the evaluation, and the staining was determined to not be related to on-site MGP-related impacts. In addition, MGP-related impacts were not identified in this area during the following September 2007 monitoring event.

At this time NYSEG is exploring different options (intrusive and nonintrusive) to further investigate the impacted joiner strips. NYSEG will also contact both the manufacturer and installer of the PVC liner to discuss recommendations for proper repair of the seams in question. Additionally, a more frequent sewer inspection schedule will be initiated due to the findings of this annual monitoring event. Beginning in early 2009, once the river level is low enough to safely conduct the work, inspections of the sewer will take place 3 times per year. We anticipate the first event will shortly follow the spring melt/runoff. We will notify NYSDEC two weeks prior to conducting the inspection event, and will inform NYSDEC of the results of that inspection shortly after the work is completed. A plan and associated schedule to address the NAPL-impacted areas of the lined sewer will be developed and provided to NYSDEC during the month of April.

Please do not hesitate to contact Tracy Blazicek at (607) 762-8787 or me at (315) 671-9167 if you have any questions regarding the information contained in this report.

Sincerely,

ARCADIS

Margaret Carrillo-Sheridan, P.E.
Vice President

DAC/plf

Attachments:
Exhibit 1 - Location of Observed NAPL Impacts
Attachment A - 2007 IRM Monitoring Log

Copies:
Tracy Blazicek, CHMM, New York State Electric & Gas Corporation
Keith White, ARCADIS
David Cornell, ARCADIS
Joe Molina, P.E., ARCADIS

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Exhibit 1

Location of Observed NAPL Impacts

EXHIBIT 1. LOCATION OF NAPL IMPACTS

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Attachment A

2008 IRM Monitoring Log

IRM MONITORING LOG
STORM SEWER INTERIM REMEDIAL MEASURE MONITORING PROGRAM

NEW YORK STATE ELECTRIC & GAS CORPORATION
COURT STREET SITE
BINGHAMTON, NEW YORK

Date/Time: October 24, 2008 9:30 AM
Monitoring Personnel: David Cornell, Tim Henson, Roger Elliott
Weather: Partly cloudy, 50 degrees

1. NAPL infiltration observed? Yes
2. NAPL staining observed? Yes

If yes to either 1 or 2 above, monitoring personnel must complete the required documentation below.

Distance Downstream of Manhole MH-2 (ingress/egress)	The location of the NAPL stain or location of NAPL infiltration with respect to the circumference of the pipe wall (e.g., using clock position[4])	Approximate surface area of the NAPL stain	Description (including approximate dimensions) of the opening or breach in the liner in which NAPL infiltration is observed
From 155 ft to 170 ft downstream (south) of MH-2	At 9 o clock position (east side of pipe)	Approximately 0.67 ft^2 (4" wide x 24" long)	NAPL appeared to be present along 3 seams from 9 o'clock to 7 o'clock. NAPL contained a coal-tar like odor.

Notes:
1. NAPL - non-aqueous phase liquid.
2. Observations shall be measured from manhole MH-2 using a tape measure.
3. Reference to photograph and/or videotape documentation shall be provided as appropriate.
4. Clock position along the pipe circumference (looking downstream/~south) shall refer to the following:
   - 12 o'clock refers to the top of the pipe (overhead)
   - 3 o'clock refers to the midpoint (between the 12 o'clock and 6 o'clock positions) along the right side of the pipe sidewall
   - 6 o'clock refers to the bottom of the pipe
   - 9 o'clock refers to the midpoint (between the 12 o'clock and 6 o'clock positions) along the left side of the pipe sidewall
   - Appropriate clock positions between the above-referenced locations