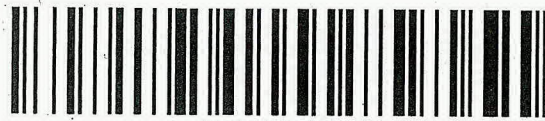


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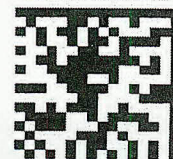
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monitoring-report

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

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Division of Environmental Remediation

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Tel 315.446.9120
Fax 315.449.4111
www.arcadis-us.com

ENVIRONMENTAL

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

Date:
November 5, 2009

Dear Mr. Karziel:

Contact:
David A. Cornell

On behalf of NYSEG (New York State Electric & Gas Corporation), please find attached a completed Interim Remedial Measure (IRM) monitoring log for the second of three planned monitoring events for the lined portion of the 66-inch storm sewer at the above-referenced site. As you know, the NYSDEC-approved *Storm Sewer Interim Remedial Measure Monitoring Plan* (BBL, June 2005) calls for annual monitoring of the storm sewer liner installed during the Storm Sewer IRM. Because apparent NAPL-infiltration was observed during the 2008 annual monitoring event, the number of monitoring events for 2009 was increased to three. The first inspection event of the year was conducted on July 14, 2009.

Phone:
315.671.9379

Email:
david.cornell@
arcadis-us.com

Our ref:
B0013041.0002.00001
#5

During the September 2009 monitoring event, black staining 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). The stained intervals exhibited a coal-tar like odor, and appeared to be present along the west wall joiner strip from the 9- to 7-o'clock position (counterclockwise); facing south/downstream from MH-2. No sheens or NAPL-like material were observed in the water or sediment present in the bottom of the pipe at or downstream of this location. The black-stained joiner strips described above were generally the same as those observed during the October 2008 monitoring event.

Dark brown staining was also observed at approximately 245 feet downstream from MH-2 at the 4 o'clock position inside the pipe. The staining exhibited a faint MGP-like odor and appeared to be originating just above a former patch in the liner. A similar

Imagine the result

observation was made at approximately the same location during the September 2007 inspection event. No sheens or NAPL-like material were observed in the water or sediment present in the bottom of the pipe at or downstream of this location. Other discolored 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. A video clip of relevant areas within the pipe is contained on the attached DVD.

We anticipate the third of three inspection events will take place in November 2009. We will notify NYSDEC two weeks prior to conducting the inspection event.

Please do not hesitate to contact Tracy Blazicek at 607.762.8787 or me at 315.671.9379 if you have any questions regarding the information contained in this report.

Sincerely,

ARCADIS



David A. Cornell
Geologist

DAC/plf

Attachments:

Attachment A – 2009 IRM Monitoring Log

Attachment B – DVD of September 2009 Inspection and Destructive Testing

Copies:

Tracy Blazicek, CHMM, New York State Electric & Gas Corporation

Keith White, ARCADIS

Margaret Carrillo-Sheridan, ARCADIS

ARCADIS

Attachment A

2009 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: September 28, 2009 9:00 AM

Monitoring Personnel: David Cornell, Nathan Smith, Josh Oliver, Tim Henson

Weather: Partly cloudy, 65 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)	Black staining apparently related to NAPL appeared to be present along 3 seams from 9 o'clock to 7 o'clock. Stained material exhibited a coal-tar like odor.
From 155 ft to 170 ft downstream (south) of MH-2	At multiple clock positions between 7:00 and 4:00 (clockwise)	Along joiner strips	Black staining and faint coal-tar like odor.
Approximately 245 ft downstream (south) of MH-2	At 4 o'clock	Approximate 2-inch wide stain	Dark brown staining with a faint MGP-like odor observed above a former patch at 4 o'clock.

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

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Attachment B

DVD of September 2009
Inspection and Destructive Testing