Memorandum - Clifton Park

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FROM: Eriko Fujita

DATE: September 5, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of August 27, 2001

On August 27, 2001, the bedrock from approximately 26 to 70 feet bgs was cored at well MW-34D north of the site. There were signs of NAPL in the wash water and on the bedrock core at 35 and 38 feet bgs. On August 28, 2001, the boring was reamed. On August 29, 2001, the six-inch casing was set to approximately 70 feet bgs. There were no signs of rock flour or NAPL in the Anthony Kill during these drilling activities.

Between August 27 and August 31, 2001, URS and ADT developed overburden well RH-1S, shallow bedrock wells MW-2I and MW-17I and deep bedrock wells MW-15D and MW-32D. Disposable pumps were used to remove the water from the overburden and shallow bedrock wells. Both the eductor pipe with the air line and a hydro-lift pump (Waterra) was used to develop well MW-15D. The Waterra pump was used to develop well MW-32D. URS also started to develop well MW-29I with a disposable pump last week. During development, the water in well MW-29I exhibited odors and some NAPL, and NAPL soaked sludge (sediment) was encountered at well RH-1S. There were no signs of NAPL or odors during development of wells MW-2I, MW-17I, MW-15D, or MW-32D.

On August 28, 2001, NYSEG's contractor Clean Harbors was onsite to remove the sand bags from the kill. NYSDEC was onsite and requested that all of the sand bags be removed from the kill and that new sand bags be installed around the seep area next week. URS and NYSDEC placed a new line of boom across the kill. Clean Harbors removed the sediment, water, and NAPL from the stilling basin from the kill using a vac truck before removing the sand bags. Approximately 600 gallons of water with a trace of NAPL were pumped to a new poly tank. The sediment was dumped out onto poly sheeting and shoveled into 55-gallon drums. Clean Harbors piled the removed sand bags on the south bank of the Anthony Kill. At the NYSDEC's request, on August 29, 2001, URS placed the sand bags on poly sheeting. On August 29, 2001, URS and NYSDEC observed that NAPL was seeping from the bedrock seeps in the kill. On

August 31, 2001, Clean Harbors returned to the site to carry the sand bags up the bank and placed them into drums. A total of 13 55-gallon drums were filled with sand.

On August 28, 2001, Jeff Edwards of NYSDEC spoke to the property owner (Mr. Bull) north of the site on which wells MW-20D and MW-34D are located. There is a potential buyer for Mr. Bull's property. Mr. Bull wanted to know whether there would be additional work conducted on the property so that he can inform the potential buyer. Previously, it had been agreed by NYSEG, NYSDEC, and URS that the decision whether to install a deep bedrock well between wells MW-20D and MW-34D would be made following the installation of wells MW-20D and MW-34D. The NYSDEC still feels that the third well on the Bull property is still needed.

On August 28, 2001, URS collected five water samples from five onsite poly tanks. These five water samples were submitted to the laboratory for total benzene analysis (2-day turnaround time). URS received the data on August 30, 200. Total benzene in the five water samples ranged from not detected (less than 5 µg/L) to 180 µg/L.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery at the site (see out of scope tasks below). On August 28, 2001, approximately 10 liters (L) of NAPL was recovered from well MW-10D. On August 31, 2001, approximately 1.5 L of NAPL was recovered from well MW-10D. In addition, on August 31, 2001, approximately 0.50 liters of NAPL was recovered from well MW-26S.

See attached Table 1. Graphs showing periodic product recovery and cumulative product recovery for wells MW-26S and MW-10D are also attached.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of September 3, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Continue to drill well MW-34D.

New sand bags will be placed in the kill around the bedrock seeps.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

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WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
Overburden Monitoring Wells						
MW-1	11.6 to 16.85 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-2	11.2 to 14.35 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-10	8.7 to 19.5 feet	Screen	June 28, 2001	Odor	Odor	NA
			July 19, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	None	None	NA
			August 3, 2001	None	Odor, Sheen, Product	0
			August 9, 2001	None	Odor, Sheen, Product	NA
			August 24, 2001	None	Odor, Sheen, Product	0
MW-12	14.5 to 25.5 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 3, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 15, 2001	None	None	NA
			August 24, 2001	None	Odor, Sheen, Product	0
MW-12S	11 to 26 feet	Screen	May 29, 2001	Odor	None	NA
			June 27, 2001	None	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 20, 2001	Odor	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor	NA
			August 9, 2001	Odor	Odor	NA
			August 24, 2001	Odor	Odor	NA
MW-14S	10 to 25 feet	Screen	June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	Odor	NA
			July 19, 2001	Odor	Odor	NA
			July 26, 2001	None	Odor	NA
			August 3, 2001	None	Odor	NA
			August 8, 2001	None	None	NA
			August 15, 2001	Odor	Odor	NA
			August 23, 2001	None	Odor	NA

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TABLE 1
SUMMARY OF NAPL OBSERVATIONS

WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-15S	5 to 10 feet	Screen	May 25, 2001	None	None	NA
			June 7, 2001	Odor	Odor	NA
			June 13, 2001	Odor	Odor	NA
			June 27, 2001	Odor	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 20, 2001	None	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 9, 2001	None	Odor, Sheen, Product	NA
			August 24, 2001	Odor	Odor	NA
MW-16	6 to 16 feet	Screen	June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-17	13 to 23 feet	Screen	June 5, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-21S	5 to 10 feet	Screen	May 25, 2001	Odor	Odor	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 28, 2001	Odor	Odor	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-23S	7.5 to 12.5 feet	Screen	May 25, 2001	Odor, Sheen, Product	None	0
			May 29, 2001	Odor	Odor, Sheen, Product	0
			June 7, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 27, 2001	Odor	Odor	NA
			July 6, 2001	Odor	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 19, 2001	Odor	Odor	NA
			July 20, 2001	Odor	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	None	Odor, Sheen, Product	0
			August 9, 2001	None	Odor, Sheen, Product	NA
			August 24, 2001	Odor	Odor	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

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WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-25S	11 to 26 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen	0
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-26S	7.5 to 22.5 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			May 30, 2001	Odor, Sheen, Product	Odor, Sheen, Product	4
			June 6, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.1
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.2
			June 21, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.5
			June 28, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			July 5, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.5
			July 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 15, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.25
			August 22, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 30, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
MW-30S	10 to 25 feet	Screen	August 24, 2001	None	None	NA
MW-31S	8 to 18 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
RH-1S	1.8 to 17.3 feet	Screen	May 25, 2001	Odor	None	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 27, 2001	Odor	Odor	NA
			July 12, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 24, 2001	Odor	Odor, Sheen, Product	0

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WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
Shallow Bedrock Monitoring Wells						
MW-21	11.28 to 32.2 feet	Open Hole	August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-10I	22 to 43 feet	Open Hole	June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-11	9.5 to 15 feet	Screen	June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-13	44.7 to 55.5 feet	Screen	July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 9, 2001	Odor	Odor, Sheen, Product	NA
			August 24, 2001	Odor	Odor, Sheen, Product	0
MW-14	30 to 41 feet	Screen	June 28, 2001	Odor	Odor	NA
			July 6, 2001	None	Odor	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	Odor, Sheen, Product	0
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 23, 2001	None	Odor	NA
MW-15I	12.5 to 22.5 feet	Screen	May 25, 2001	Odor, Sheen, Product	None	0
			June 7, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 27, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 9, 2001	Odor	Odor, Sheen, Product	NA
			August 24, 2001	Odor	Odor, Sheen, Product	0
MW-17I	23 to 45 feet	Open Hole	August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA

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WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-18	28 to 38 feet	Screen	June 5, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-19I	18 to 38.5 feet	Open Hole	August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-22I	17 to 32 feet	Screen	May 25, 2001	Odor	Odor	NA
			June 7, 2001	Odor	None	NA
			June 13, 2001	None	Odor	NA
			June 28, 2001	None	Odor	NA
			July 6, 2001	None	Odor	NA
			July 12, 2001	None	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 9, 2001	Odor	Odor	NA
MW-25I	27 to 47 feet	Open Hole	July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 17, 2001	None	Odor, Sheen, Product	0
MW-26I	24.5 to 45.5 feet	Open Hole	July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	Odor, Sheen	Odor, Sheen	NA
			August 3, 2001	None	Odor	NA
			August 9, 2001	None	Odor	NA
			August 24, 2001	None	Odor, Sheen, Product	0
MW-28I	15 to 25 feet	Screen	May 25, 2001	None	None	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-29I	11.5 to 26 feet	Open Hole	May 25, 2001	Odor, Sheen	Odor, Sheen, Product	0
			June 7, 2001	None	Odor, Sheen, Product	0
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 17, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0

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WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
Deep Bedrock Monitoring Wells						
MW-10D	82 to 114 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	Odor, Sheen	NA
			July 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 1, 2001	Odor, Sheen, Product	Odor, Sheen, Product	9.5
			August 2, 2001	Odor, Sheen, Product	Odor, Sheen, Product	19.5
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 15, 2001	Odor, Sheen, Product	Odor, Sheen, Product	39.25
			August 23, 2001	Odor, Sheen, Product	Odor, Sheen, Product	30
			August 28, 2001	Odor, Sheen, Product	Odor, Sheen, Product	10
			August 31, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.5
MW-14D	91 to 121.7 feet	Open Hole	July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 20, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-15D	96 to 105.8 feet	Open Hole	June 11, 2001	None	None	NA
			June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-17D	121 to 142.5 feet	Open Hole	August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-20D	90 to 110.1 feet	Open Hole	August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-21D	48.7 to 59.4 feet	Open Hole	May 25, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

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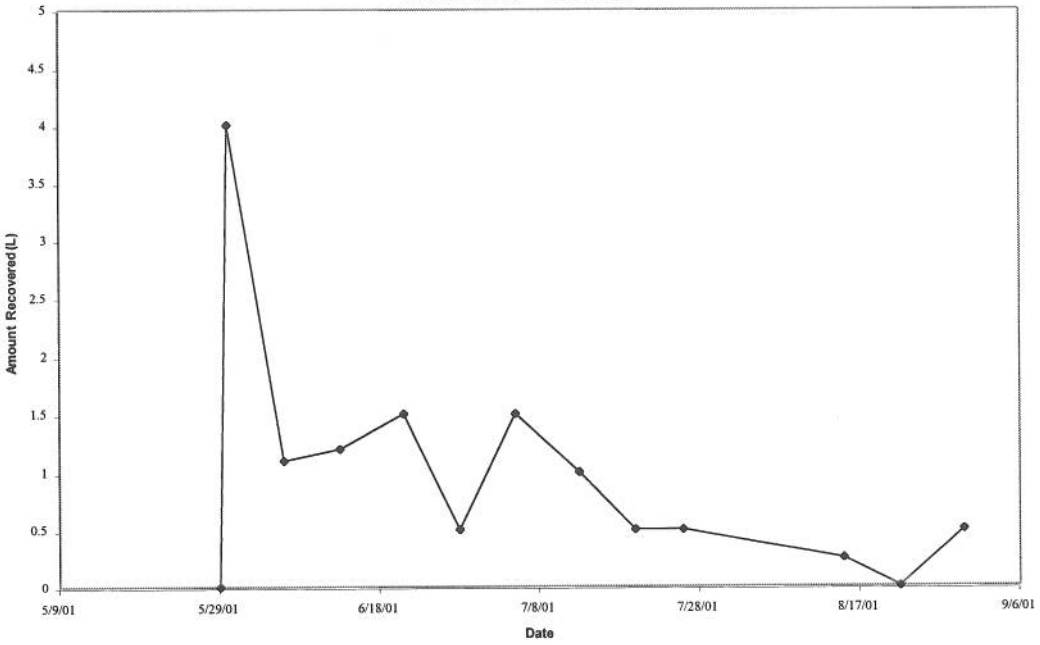
WELL NUMBER	Screened Interval	Screen or Open Hole	DATE	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-23D	56 to 80 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-29D	90 to 110 feet	Open Hole	August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-30D	90 to 121 feet	Open Hole	July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 20, 2001	Odor, Sheen	Odor, Sheen, Product	0
			August 3, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	NA
			August 17, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 24, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
MW-31D	28 to 150 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-32D	91 to 111.5 feet	Open Hole	August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
MW-33D	119.7 to 140.5 feet	Open Hole	August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA
RH-1D	86.5 to 107.5 feet	Open Hole	June 5, 2001	None	None	NA
			June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 27, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 11, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
			August 29, 2001	None	None	NA

Explanation:
NA indicates not applicable

SUMMARY OF PRODUCT RECOVERY
MW-26S

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NYSEG
MECHANICVILLE, NEW YORK



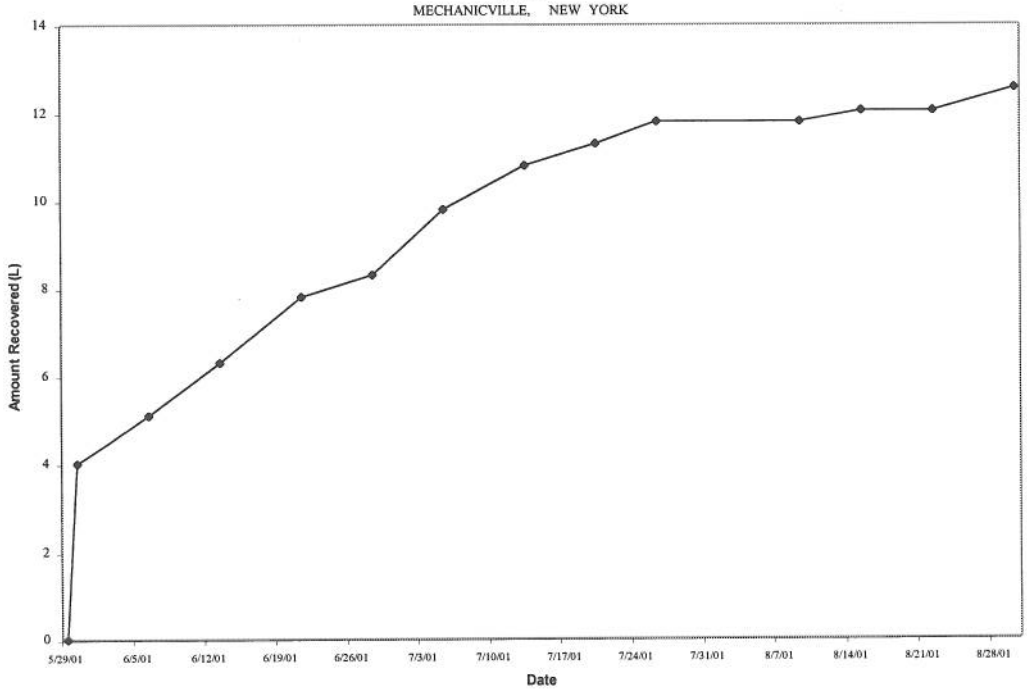
NYSEG-Mechanicville
11035-606/ProductRecoveryGraphs/MW-26S

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CUMULATIVE PRODUCT RECOVERY
MW-26S

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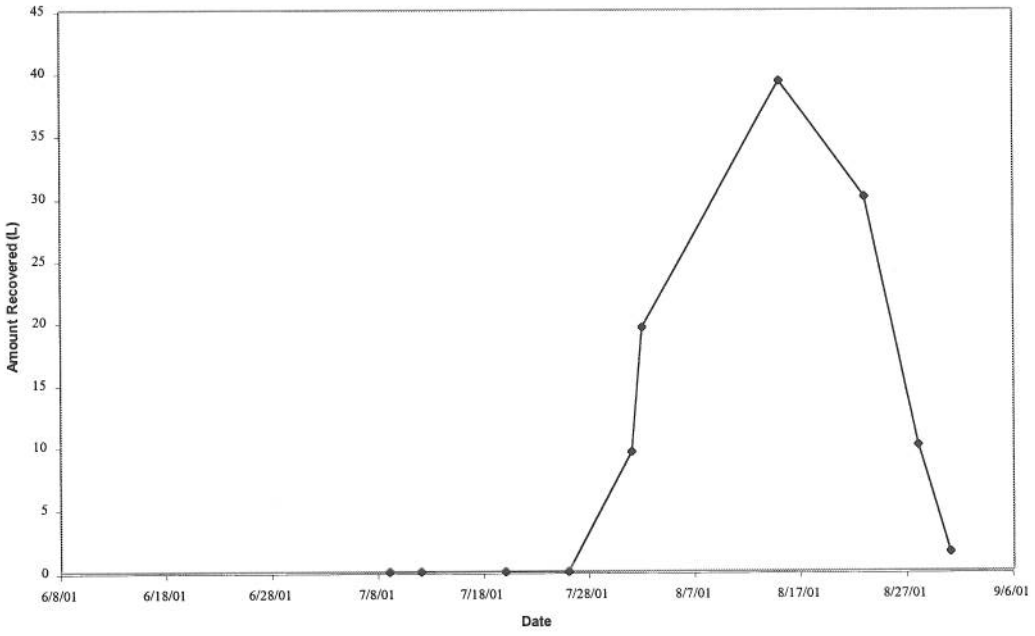
NYSEG-Mechanicville
11035-606/ProductRecoveryGraphs/MW-26S CUMULATIVE

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SUMMARY OF PRODUCT RECOVERY
MW-10D

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MECHANICVILLE, NEW YORK



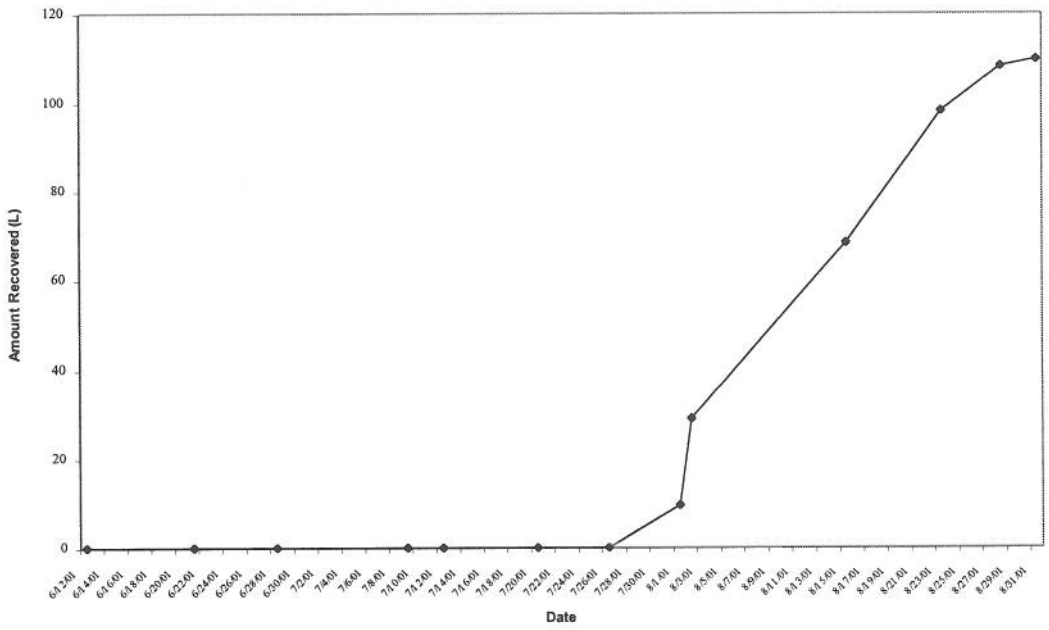
NYSEG-Mechanicville
11035-606/ProductRecoveryGraphs/MW-10D

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CUMULATIVE PRODUCT RECOVERY
MW-10D

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11035-606/ProductRecoveryGraphs/MW-10D CUMULATIVE

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9/5/01

Memorandum - Clifton Park

URS Corporation
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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: August 29, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of August 20, 2001

On August 20, 2001, the open hole interval at well MW-20D north of the Anthony Kill was cored and reamed with a 3 7/8-inch roller bit. There were no signs of NAPL or MGP odors during drilling of the overburden, the bedrock above 90 feet, or the open hole interval. The open hole interval for well MW-20D extends from approximately 90 to 110 feet bgs.

On August 21, 2001, NYSEG, NYSDEC, and URS participated in an onsite meeting to discuss the status of the project. The completed activities to date were reviewed. NYSEG, NYSDEC, and URS agreed that decisions regarding potential additional drilling would be postponed until the available data are evaluated. The available data will be evaluated by mid-October 2001. The activities to be completed in August through mid-October will be to complete the currently planned drilling work, well development, NAPL checks and recovery, groundwater sampling, compilation and evaluation of all available data. URS prepared a meeting summary memo that was emailed to NYSEG and NYSDEC on August 22, 2001.

On August 21, 2001, the bedrock was cored from approximately 121 to 141 feet bgs at well MW-33D in the southern portion of DiSiena's parking lot. There were no signs of NAPL or MGP odors during drilling of the open hole interval.

On August 21, 2001, the open hole interval at well MW-29D in the northern boundary of the site near the Anthony Kill was cored. The open hole interval for well MW-29D extends from approximately 91 to 111 feet bgs. The open hole interval was reamed with a 5-7/8-inch roller bit on August 22, 2001. There were no signs of NAPL or MGP odors during drilling of the open hole interval.

On August 22, 2001, the open hole interval at well MW-17D in the northern portion of DiSiena's parking lot was cored and reamed with 5 7/8-inch roller bit. The open hole interval for well MW-17D extends from approximately 121 to 142.5 feet bgs. There were no signs of NAPL or MGP odors during drilling of the open hole interval.

On August 22, 2001, URS collected one sample of NAPL from well MW-26S and one sample of NAPL from well MW-10D for laboratory analysis. The requested analyses included viscosity at 55 degrees, density, specific gravity, reactivity, corrosivity, ignitability, wettability, and TCLP benzene.

On August 20, 2001, the overburden materials at well MW-34D were continuously sampled. On August 23, 2001, the overburden casing at MW-34D was installed to 26 feet bgs. There were no signs of NAPL

On August 22, 2001, the open hole interval at well MW-17D in the northern portion of DiSiena's parking lot was cored and reamed with 5 7/8-inch roller bit. The open hole interval for well MW-17D extends from approximately 121 to 142.5 feet bgs. There were no signs of NAPL or MGP odors during drilling of the open hole interval.

On August 22, 2001, URS collected one sample of NAPL from well MW-26S and one sample of NAPL from well MW-10D for laboratory analysis. The requested analyses included viscosity at 55 degrees, density, specific gravity, reactivity, corrosivity, ignitability, wettability, and TCLP benzene.

On August 20, 2001, the overburden materials at well MW-34D were continuously sampled. On August 23, 2001, the overburden casing at MW-34D was installed to 26 feet bgs. There were no signs of NAPL or MGP odors in the overburden materials at MW-34D.

On August 24, 2001, ADT developed deep well MW-29D. Approximately 130 gallons of water was removed from the well before the well went dry. The development water did not exhibit any odors or sheens.

In addition, on August 21, 2001, NYSEG's contractor EnviroCare picked up 119 drums of investigation derived waste from the site for off-site disposal. ADT used their bobcat to help load the drums on to the two trucks. In anticipation of DiSiena seal coating their parking lot in the near future, ADT will replace to the road boxes at MW-17 and MW-18.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery at the site (see out of scope tasks below). URS measured approximately 0.05 feet of LNAPL and approximately 6 feet of DNAPL was measured at well MW-10D using an interface probe. Approximately 35 liters of NAPL was recovered from well MW-10D using a hydrolift pump (Waterra) and approximately 0.50 liters of NAPL was recovered from well MW-26S.

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of August 27, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Continue to drill well MW-34D.

NYSEG's contractor Clean Harbors are scheduled to remove the sand bags from the kill on August 28, 2001.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
Overburden Wells						
MW-1	11.6 to 16.85 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-2	11.2 to 14.35 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-10	8.7 to 19.5 feet	Screen	June 28, 2001	Odor	Odor	NA
			July 19, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	None	None	NA
			August 3, 2001	None	Odor, Sheen, Product	0
			August 24, 2001	None	Odor, Sheen, Product	0
MW-12	14.5 to 22.5 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 3, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 15, 2001	None	None	NA
			August 24, 2001	None	Odor, Sheen, Product	0

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-12S	11 to 26 feet	Screen	May 29, 2001	Odor	None	NA
			June 27, 2001	None	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 20, 2001	Odor	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor	NA
			August 24, 2001	Odor	Odor	NA
MW-14S	10 to 25 feet	Screen	June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	Odor	NA
			July 19, 2001	Odor	Odor	NA
			July 26, 2001	None	Odor	NA
			August 3, 2001	None	Odor	NA
			August 8, 2001	None	None	NA
			August 15, 2001	Odor	Odor	NA
			August 23, 2001	None	Odor	NA
MW-15S	5 to 10 feet	Screen	May 25, 2001	None	None	NA
			June 7, 2001	Odor	Odor	NA
			June 13, 2001	Odor	Odor	NA
			June 27, 2001	Odor	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 20, 2001	None	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 24, 2001	Odor	Odor	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-16	6 to 16 feet	Screen	June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-17	13 to 23 feet	Screen	June 5, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-21S	5 to 10 feet	Screen	May 25, 2001	Odor	Odor	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 28, 2001	Odor	Odor	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-23S	7.5 to 12.5 feet	Screen	May 25, 2001	Odor, Sheen, Product	None	0
			May 29, 2001	Odor	Odor, Sheen, Product	0
			June 7, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 27, 2001	Odor	Odor	NA
			July 6, 2001	Odor	Odor	NA
			July 12, 2001	Odor	Odor	NA
			July 19, 2001	Odor	Odor	NA
			July 20, 2001	Odor	Odor	NA
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	None	Odor, Sheen, Product	0
			August 24, 2001	Odor	Odor	NA
MW-25S	11 to 26 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen	0
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-26S	7.5 to 22.5 feet	Screen	May 29, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			May 30, 2001	Odor, Sheen, Product	Odor, Sheen, Product	4
			June 6, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.1
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.2
			June 21, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.5
			June 28, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			July 5, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1.5
			July 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	1
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.5
			August 15, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0.25
			August 22, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-30S	10 to 25 feet	Screen	August 24, 2001	None	None	NA
MW-31S	8 to 18 feet	Screen	June 28, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
RH-1S	17.3 to 2.8 feet	Screen	May 25, 2001	Odor	None	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 27, 2001	Odor	Odor	NA
			July 12, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 24, 2001	Odor	Odor, Sheen, Product	0
Shallow Bedrock Wells						
MW-2I	11.28 to 32.2 feet	Open Hole	August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-10I	23 to 43 feet	Open Hole	June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-11	9.5 to 15 feet	Screen	June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-13	44.7 to 55.5 feet	Screen	July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 24, 2001	Odor	Odor, Sheen, Product	0
MW-14	30 to 41 feet	Screen	June 28, 2001	Odor	Odor	NA
			July 6, 2001	None	Odor	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	Odor, Sheen, Product	0
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 23, 2001	None	Odor	NA
MW-15I	12.2 to 22.5 feet	Screen	May 25, 2001	Odor, Sheen, Product	None	0
			June 7, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			June 27, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor, Sheen, Product	0
			August 3, 2001	Odor	Odor, Sheen, Product	0
			August 24, 2001	Odor	Odor, Sheen, Product	0

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TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-17I	23 to 45 feet	Open Hole	August 23, 2001	None	None	NA
MW-18	70.1 to 60.1 feet	Screen	June 5, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-19I	18 to 38.5 feet	Open Hole	August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-22I	17 to 32 feet	Screen	May 25, 2001	Odor	Odor	NA
			June 7, 2001	Odor	None	NA
			June 13, 2001	None	Odor	NA
			June 28, 2001	None	Odor	NA
			July 6, 2001	None	Odor	NA
			July 12, 2001	None	Odor, Sheen, Product	0
			July 20, 2001	Odor	Odor, Sheen, Product	0
			July 26, 2001	Odor	Odor	NA
			August 3, 2001	Odor	Odor, Sheen, Product	0
MW-25I	27 to 47 feet	Open Hole	July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 17, 2001	None	Odor, Sheen, Product	0
MW-26I	24.5 to 45.5 feet	Open Hole	July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	Odor, Sheen	Odor, Sheen	NA
			August 3, 2001	None	Odor	NA
			August 24, 2001	None	Odor, Sheen, Product	0

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-28I	15 to 25 feet	Screen	May 25, 2001	None	None	NA
			June 7, 2001	None	None	NA
			June 13, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-29I	11.5 to 26 feet	Open Hole	May 25, 2001	Odor, Sheen	Odor, Sheen, Product	0
			June 7, 2001	None	Odor, Sheen, Product	0
			June 13, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 17, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
Deep Bedrock Wells						
MW-10D	83.2 to 113.5 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	Odor, Sheen	NA
			July 9, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 12, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 20, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			July 26, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 1, 2001	Odor, Sheen, Product	Odor, Sheen, Product	9.5
			August 2, 2001	Odor, Sheen, Product	Odor, Sheen, Product	19.5
			August 15, 2001	Odor, Sheen, Product	Odor, Sheen, Product	39.25
			August 23, 2001	Odor, Sheen, Product	Odor, Sheen, Product	35

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TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-14D	91 to 121.7 feet	Open Hole	July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 20, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-15D	95 to 105 feet	Open Hole	June 11, 2001	None	None	NA
			June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-17D	121 to 142.5 feet	Open Hole	August 23, 2001	None	None	NA
MW-20D	90 to 110.1 feet	Open Hole	August 23, 2001	None	None	NA

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Privileged & Confidential

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-21D	49 to 59 feet	Open Hole	May 25, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 5, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-23D	56 to 80 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-29D	90 to 110 feet	Open Hole	August 23, 2001	None	None	NA
MW-30D	91 to 121 feet	Open Hole	July 6, 2001	None	None	NA
			July 13, 2001	None	None	NA
			July 20, 2001	Odor, Sheen	Odor, Sheen, Product	0
			August 3, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 17, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0
			August 24, 2001	Odor, Sheen, Product	Odor, Sheen, Product	0

Privileged & Confidential

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Screen or Open Hole	Date	LNAPL Observations	DNAPL Observations	Amount of NAPL Recovered (L)
MW-31D	28 to 150 feet	Open Hole	June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 12, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 8, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-32D	91 to 111.5 feet	Open Hole	August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA
MW-33D	121 to 141 feet	Open Hole	August 23, 2001	None	None	NA
RH-1D	86.5 to 107.5 feet	Open Hole	June 5, 2001	None	None	NA
			June 12, 2001	None	None	NA
			June 21, 2001	None	None	NA
			June 27, 2001	None	None	NA
			June 28, 2001	None	None	NA
			July 6, 2001	None	None	NA
			July 11, 2001	None	None	NA
			July 19, 2001	None	None	NA
			July 26, 2001	None	None	NA
			August 3, 2001	None	None	NA
			August 9, 2001	None	None	NA
			August 15, 2001	None	None	NA
			August 23, 2001	None	None	NA

Memorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC
Gardiner Cross-NYSDEC

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: August 24, 2001

SUBJECT: August 21, 2001 Meeting Summary
NYSEG-Mechanicville, NY

The purpose of this document is to summarize our meeting on August 21, 2001 between NYSEG, NYSDEC, and URS at the Mechanicville site.

NYSEG, NYSDEC, and URS reviewed the status of each well location regarding indications of MGP odors or signs of NAPL in the overburden and bedrock during drilling, screened intervals and well construction, well development, and NAPL check results. At the time of the site meeting, there were only three deep monitoring wells MW-17D, MW-29D, and MW-33D that need to be completed. The remaining drilling work includes coring and reaming the open hole intervals for wells MW-17D and MW-29D, and the complete installation of well MW-33D. URS anticipates completing this work by the end of next week.

During the site walk, NYSDEC indicated that roller-biting the bedrock instead bedrock coring may be considered as a time and money saving effort. The decision whether to roller-bit or core the bedrock would be evaluated on a case by case basis.

NYSEG, NYSDEC, and URS agreed to postpone discussions and decisions regarding potential additional drilling until mid-October 2001 when all currently available data and groundwater quality data are analyzed and evaluated. In the meantime, the currently planned drilling work will be completed and the newly installed monitoring wells will be developed, and NAPL checks and recovery will continue on a regularly scheduled basis. Furthermore, URS will complete the groundwater sampling program for the existing wells.

It was also agreed that following well development, selected monitoring wells that indicate the presence of significant NAPL will not be purged and sampled. NYSDEC, NYSEG, and URS agreed that NAPL

presence will be clearly documented in the text, tables, and figures of all submittals to the NYSDEC.

By mid-October 2001, URS will prepare a summary of the geologic, hydrogeologic, and contaminant distribution data, including boring logs, bedrock core logs, geologic cross-sections, and soil and groundwater analytical data. A meeting will then be scheduled to discuss the data and future plan of action.

NYSDEC also requested that the sand bags in the kill not be removed until some time after the activities (i.e., drilling and well development) at the site, which have a potential of mobilizing NAPL into the kill, are complete. The delay in removing the sand bags would allow observation of the kill to evaluate whether the seeps are active under "stable" or natural flow conditions.

Schedule

URS will continue the NAPL check and recovery work on a weekly basis.

Complete the installation of wells MW-17D, MW-29D and MW-34D during the week of August 27, 2001.

Complete well development during the week of September 10, 2001.

Purge and sample the monitoring wells by the week of September 17, 2001.

Conference call is tentatively scheduled for Tuesday September 4, 2001.

Memorandum - Clifton Park

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INFO: Scott Sklenar -URS
Paul Pavone -URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: August 21, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of August 13, 2001

Between August 13 and August 14, 2001, the bedrock was cored from approximately 51.4 to 90 feet bgs at well MW-20D. There were no signs of NAPL or MGP odors in the bedrock core at MW-20D. On August 15, 2001, four-inch casing was installed to 90 feet bgs at MW-20D.

On August 14, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. The completed activities from the previous week were reviewed.

On August 13, 2001, the bedrock was cored from approximately 56 to 120 feet bgs at well MW-33D in the southern portion of DiSiena's parking lot. At approximately 95.5 to 96 feet bgs, MGP odors and NAPL were encountered. On August 14, 2001, the 6-inch casing was installed to approximately 120.5 feet bgs at MW-33D. Note that the originally planned total depth of the well MW-33D was anticipated to be 115 feet bgs with six-inch casing to 95 feet bgs. URS will request additional authorization for this change in scope in the next weekly report.

On August 14, 2001, well MW-29D was reamed to approximately 26 feet bgs and "bubbling" was noted in the stilling basin in the Anthony Kill. The bedrock at well MW-29D was cored from approximately 26 to 90 feet bgs. After coring to approximately 45 to 50 feet bgs, the bedrock seeps in the Anthony Kill stopped seeping rock flour and NAPL and the bedrock was noted to be very competent. On August 16, 2001, six-inch casing was installed to approximately 90 feet bgs at MW-29D.

On August 16, 2001, overburden well MW-30S was installed to a total depth of 27 feet bgs. The well was constructed with a four-inch diameter 020-slot PVC screen that extends from ten to 25 feet bgs and a two-foot sump from 25 to 27 feet bgs.

On August 15, 2001, the 6-inch casing was installed to approximately 121 feet bgs at well MW-17D. Note that the originally planned total depth of the well MW-17D was anticipated to be 115 feet bgs

with 6-inch casing to 95 feet bgs. URS will request additional authorization for this change in scope in the next weekly report.

On August 16, 2001, the open hole interval for well MW-17I was reamed. The open hole interval extends from 23 to 45 feet bgs. The open hole interval at MW-17I was not cored because the bedrock from 23 to 121 feet bgs was cored at adjacent well MW-17D.

On August 16, 2001, Verizon removed overhead phone line near the MW-34 location, north of the bridge.

On August 13, 2001, Clean Harbors (NYSEG's contractor) mobed a small vacuum truck to the site to remove sediment near the sand bags from the Anthony Kill. The water level in the kill is very low and Clean Harbors was unable to remove the dry sediment with the smaller vacuum truck. Clean Harbors returned to the site on August 24, 2001, with a larger vacuum truck and removed the sediment from around the sand bags and within the stilling basin. Some of the NAPL that was observed after disturbing the sediments was also removed by Clean Harbors. Pom-poms were also used to help contain some of the NAPL.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery at the site (see out of scope tasks below). URS attempted to recover NAPL from three wells MW-12, MW-29I, and MW-30 in addition to NAPL recovery from MW-10D and MW-26S using bailers and a peristaltic pump. Approximately 39.25 L of NAPL was recovered from well MW-10D using a bailer and approximately 0.25L of NAPL was recovered from well MW-26S. However, there was no recoverable NAPL in wells MW-12, MW-29I, and MW-30.

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of August 20, 2001

NYSEG, NYSDEC, and URS have scheduled an onsite meeting for 10:30 am on August 21, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Drill and install the overburden casing at MW-34D, north of the bridge. Initiate bedrock coring at MW-34D.

Core the anticipated open hole intervals at wells MW-17D, MW-20D, MW-29D, and MW-33D.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
		July 19, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3, 2001		None	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product. Not measurable.
MW-12	14.5 to 25.5 feet	July 12, 2001		None	None
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
		August 3, 2001		Odor, sheen, product	Odor, sheen, product
		August 9, 2001		Odor, sheen, product. Not measurable.	0.23 feet measured
		August 15, 2001		Odor, sheen, product. Not recoverable with pump.	Odor, sheen, product. Not recoverable with pump.

MW-12S	11 to 26 feet	June 27, 2001		None	Odor
		July 12, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor
		August 9, 2001		Odor	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	Odor
		July 19, 2001		Odor	Odor
		July 26, 2001		None	Odor
		August 3, 2001		None	Odor
		August 8, 2001		None	None
		August 15, 2001		Odor	Odor
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
		July, 12, 2001		Odor	Odor
		July 20, 2001		None	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product. Not measurable.
MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None

MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight odor
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
		July 12, 2001		Odor	Odor
		July 19, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		None	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	
		July 26, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None

MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
		July 13, 2001		Approximately 1 liters of NAPL recovered	
		July 20, 2001		Approximately 0.5 liters of NAPL recovered	
		July 26, 2001		Approximately 0.5 liters of NAPL recovered	
		August 9, 2001		0.98 feet measured. Approximately 0.5 liters of NAPL recovered	
		August 15, 2001		Approximately 0.25 liters of NAPL recovered	
MW-31S	8 to 18 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
		July 12, 2001		Odor, sheen, product	Odor, sheen, product
		July 20, 2001		Odor, sheen, product	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		.01 feet measured	Odor, sheen, product
Shallow Bedrock Wells					
MW-2I	12.2 to 32.2 feet	August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None

MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-13	44.7 to 55.5 feet	July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		Odor	Odor, sheen, product. Not measurable.
MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	Odor, sheen, product
		August 3, 2001		None	None
		August 8, 2001		None	None

MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
		July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3 2001		Odor	Odor, sheen, product
		August 9 2001		Odor	Odor, sheen, product (not measurable)
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-19I	18.5 to 38.5 feet	August 9, 2001		None	None
		August 15, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		Odor	Odor

MW-25I	27 to 47 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001	Odor during development	None	None
		August 9, 2001		None	None
		August 17, 2001		None	None
MW-26I	25.5 to 45.5 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		Odor and slight sheen during development	
		August 3, 2001		None	Odor
		August 9, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-29I	11.5 to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		August 9, 2001		Odor, sheen, product	Odor, sheen, trace product
		August 17, 2001		Odor, sheen, product. Not recoverable with bailer.	Odor, sheen, trace product. Not recoverable with bailer.

Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
		July 12, 2001		Odor, sheen, product	Emulsified NAPL
		July 20, 2001		Odor, sheen, product	Emulsified NAPL
		July 26, 2001		Odor, sheen, product	Emulsified NAPL
		August 3, 2001		Approximately 22 liters of NAPL recovered	
		August 9, 2001		Odor, sheen, product. Not measurable.	Emulsified NAPLs
		August 15, 2001		Approximately 39.25 liters of NAPL recovered.	
MW-14D	90 to 120 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
		August 15, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None

MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
		July 13, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-30D	91 to 121 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		Odor, sheen	Odor, sheen, significant product
		August 3, 2001		Odor, sheen, product. Not recoverable with bailer.	Odor, sheen, significant product. Not recoverable with bailer.
		August 9, 2001		Odor, sheen, product. Not measurable.	Odor, sheen, significant product. Not measurable.
		August 26, 2001		Odor, sheen, product. Not recoverable with bailer.	Odor, sheen, product. Not recoverable with bailer.

MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
MW-32D	91.2 to 111.2 feet	August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 11, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
		August 15, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were NAPL and rock flour was observed in the kill from the bedrock seeps during drilling at MW-29D.

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FROM: Eriko Fujita

DATE: August 14, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of August 6, 2001

On August 6, 2001, ADT reamed the borehole at well MW-20D, north of the Anthony Kill to approximately 51.4 feet bgs. Last week there was significant water loss during bedrock coring to 51.4 feet. Therefore, ADT set 6-inch casing to approximately 51.4 feet bgs to seal off the bedrock fractures to limit water loss.

On August 7, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. The completed activities from the previous week were reviewed. The next conference call was scheduled for Tuesday August 14, 2001 at 11:00 am. Also, the next onsite meeting was scheduled for Tuesday August 21, 2001 at 10:30 am. .

On August 7, 2001, bedrock coring was initiated at well MW-17D in DiSiena's parking lot. The bedrock was cored from approximately 23 feet to 50 feet bgs. There were no signs of NAPL or MGP odors in the bedrock core. On August 8, 2001, MGP odors were noted at approximately 55 feet bgs and NAPL was encountered during bedrock coring at a depth of approximately 96 feet bgs at well MW-17D. Coring continued to approximately 121 feet bgs on August 9, 2001 and the bedrock was noted to be very competent. The odor and traces of NAPL on the bedrock core between 96 and 121 feet are attributed to the fracture at 96 feet bgs. The corehole was filled with grout. Next week the corehole will be reamed to set 6-inch casing. Throughout the coring work at MW-17D, URS monitored the kill and did not observe any rock flour or seeps in the kill.

On August 8, 2001, the bedrock was cored from approximately 26.4 to 56 feet bgs at well MW-33D in the southern portion of DiSiena's parking lot. The bedrock was noted to be very fractured to approximately 30 feet bgs and then was competent to 56 feet bgs. There were no signs of NAPL or MGP odors in the bedrock core.

URS contacted potential subcontractors for the sediment sampling work at the confluence of the Anthony Kill and the Hudson River. URS will review the cost estimates, sediment core collection methods, and select a subcontractor within the next two weeks. The sediment sampling program will be discussed during the next onsite meeting.

URS contacted EcoLogic of Cazenovia, New York (URS' subcontractor) regarding the implementation of the Fish and Wildlife Impact Analysis (FWIA) through Step IIB for the site. The FWIA will be discussed during the onsite meeting.

On NYSEG's behalf, URS scheduled Clean Harbors (NYSEG's contractor) to remove sediment near the sand bags from the Anthony Kill for Monday August 13, 2001.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery at the site (see out of scope tasks below). As discussed during the July 31, 2001 conference call, URS used an interface probe to evaluate which wells have potentially accumulated NAPL in recoverable amounts. With the exception well MW-26S, no additional wells indicated the presence of accumulated NAPL in recoverable amounts.

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of August 13, 2001

NYSEG, NYSDEC, and URS have scheduled a conference call for 11 am on August 14, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Continue bedrock coring at well MW-20D, north of the kill and MW-33D in the DiSiena parking lot. ADT will mobe a second rig to the site starting Monday August 13, 2001.

In addition, ADT will mobe the air rig to the site on Wednesday August 15, 2001 to ream the 8-inch diameter holes and set 6-inch casings at the new deep well locations.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 8, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
		July 19, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3, 2001		None	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product. Not measurable.
MW-12	14.5 to 25.5 feet	July 12, 2001		None	None
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
		August 3, 2001		Odor, sheen, product	Odor, sheen, product
		August 9, 2001		Odor, sheen, product. Not measurable.	0.23 feet measured
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
		July 12, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor
		August 9, 2001		Odor	Odor

MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	Odor
		July 19, 2001		Odor	Odor
		July 26, 2001		None	Odor
		August 3, 2001		None	Odor
		August 8, 2001		None	None
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
		July, 12, 2001		Odor	Odor
		July 20, 2001		None	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product. Not measurable.
MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 9, 2001		None	None

MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight odor
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
		July 12, 2001		Odor	Odor
		July 19, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
		August 3, 2001		None	Odor, sheen, product
		August 9, 2001		None	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	
		July 26, 2001		None	None
		August 8. 2001		None	None
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
		July 13, 2001		Approximately 1 liters of NAPL recovered	
		July 20, 2001		Approximately 0.5 liters of NAPL recovered	
		July 26, 2001		Approximately 0.5 liters of NAPL recovered	
		August 9, 2001		0.98 feet measured. Approximately 0.5 liters of NAPL recovered	

MW-31S	8 to 18 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
		July 12, 2001		Odor, sheen, product	Odor, sheen, product
		July 20, 2001		Odor, sheen, product	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		.01 feet measured	Odor, sheen, product
Shallow Bedrock Wells					
MW-2I	12.2 to 32.2 feet	August 3, 2001		None	None
		August 8, 2001		None	None
MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 8, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-13	44.7 to 55.5 feet	July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		Odor	Odor, sheen, product. Not measurable.

MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	Odor, sheen, product
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
		July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
		August 3 2001		Odor	Odor, sheen, product
		August 9 2001		Odor	Odor, sheen, product (not measurable)
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 9, 2001		None	None
MW-19I	18.5 to 38.5 feet	August 9, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor
		August 3, 2001		Odor	Odor, sheen, product
		August 9, 2001		Odor	Odor

MW-25I	27 to 47 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001	Odor during development	None	None
		August 9, 2001		None	None
MW-26I	25.5 to 45.5 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		Odor and slight sheen during development	
		August 3, 2001		None	Odor
		August 9, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-29I	11.5 to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		August 9, 2001		Odor, sheen, product	Odor, sheen, trace product
Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
		July 12, 2001		Odor, sheen, product	Emulsified NAPL
		July 20, 2001		Odor, sheen, product	Emulsified NAPL
		July 26, 2001		Odor, sheen, product	Emulsified NAPL
		August 3, 2001		Approximately 22 liters of NAPL recovered	
		August 9, 2001		Odor, sheen, product. Not measurable.	Emulsified NAPLs

MW-14D	90 to 120 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 8, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
		July 13, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None

MW-30D	91 to 121 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		Odor, sheen	Odor, sheen, significant product
		August 3, 2001		Odor, sheen, product. Not recoverable with bailer.	Odor, sheen, significant product. Not recoverable with bailer.
		August 9, 2001		Odor, sheen, product. Not measurable.	Odor, sheen, significant product. Not measurable.
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None
MW-32D	91.2 to 111.2 feet	August 3, 2001		None	None
		August 9, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 11, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
		August 3, 2001		None	None
		August 9, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

URS

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: July 30, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of July 23, 2001

On July 23 2001, the open hole interval for well MW-32D was cored. The open hole interval at well MW-32D extends from approximately 91 to 111 feet bgs. There were no signs of NAPL or MGP odors during drilling. The open hole interval was reamed on July 24, 2001.

On July 25, 2001, ADT prepared to drill north on the Anthony Kill on the Bull property. ADT installed two steel posts with a locking cable on the Bull property to restrict access to the (rear) western portion of the Bull property, where well MW-20D will be installed.

Only July 25, 2001, the overburden material was continuously sampled to the top of rock (20.4 feet bgs) at well MW-20D on the Bull property. Due to problems with the compressor, the overburden casing was not installed until July 27, 2001. The 8-inch casing was set to 23.5 feet bgs.

On July 26, 2001,URS developed well MW-26I. Approximately 160 gallons of water was removed from well MW-26I. The water exhibited MGP odors and a slight sheen.

On July 27, 2001, ADT developed well MW-25I. The water exhibited MGP odors. Approximately 120 gallons of water was removed from well MW-25I.

In addition, on July 25, 2001, NYSEG's contractor Clean Harbors was onsite for a clean water pickup. On July 27, 2001, NYSEG's contractor CT Male was onsite to survey the existing wells, new wells, and soil boring locations.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 30, 2001

NYSEG, NYSDEC, and URS have scheduled a conference call for 2 pm on July 31, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Install overburden casings at wells MW-17D, MW-33D, MW-34D, and MW-29D. Start bedrock coring at well MW-20D, north of the kill.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
		July 19, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
MW-12	14.5 to 25.5 feet	July 12, 2001		None	None
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
		July 12, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	Odor
		July 19, 2001		Odor	Odor
		July 26, 2001		None	Odor
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
		July, 12, 2001		Odor	Odor
		July 20, 2001		None	Odor
		July 26, 2001		Odor	Odor

MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26 2001		None	None
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
		July 12, 2001		Odor	Odor
		July 19, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
		July 26, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	
		July 26, 2001		None	None

MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
		July 13, 2001		Approximately 1 liters of NAPL recovered	
		July 20, 2001		Approximately 0.5 liters of NAPL recovered	
		July 26, 2001		Approximately 0.5 liters of NAPL recovered	
MW-31S	8 to 18 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
		July 12, 2001		Odor, sheen, product	Odor, sheen, product
		July 20, 2001		Odor, sheen, product	Odor, sheen, product
		July 26, 2001		Odor, sheen, product	Odor, sheen, product
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-13	44.7 to 55.5 feet	July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product

MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	Odor
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
		July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
		July 26, 2001		Odor	Odor
MW-25I	27 to 47 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001	Odor during development	None	None
MW-26I	25.5 to 45.5 feet	July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		Odor and slight sheen during development	

MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-29I	11.5 to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
		July 12, 2001		Odor, sheen, product	Emulsified NAPL
		July 20, 2001		Odor, sheen, product	Emulsified NAPL
		July 26, 2001		Odor, sheen, product	Emulsified NAPL
MW-14D	90 to 120 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		None	None
		July 26, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None

MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
		July 13, 2001		None	None
		July 26, 2001		None	None
MW-30D	91 to 121 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		Odor, sheen	Odor, sheen, significant product
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 11, 2001		None	None
		July 19, 2001		None	None
		July 26, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

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FROM: Eriko Fujita

DATE: July 23, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of July 16, 2001

On July 16, 2001, bedrock coring at well MW-32D was initiated. The bedrock was cored to approximately 91 feet bgs. The upper bedrock was very fractured however there were no signs of NAPL. The core hole (approximately 12 to 91 feet bgs) was reamed on July 19, 2001 and the 6-inch steel casing was installed to approximately 91 feet bgs on July 20, 2001.

On July 17, 2001, ADT developed well MW-30D and removed over 200 gallons of water. There were no signs of NAPL in the development water. However, on July 20, 2001, well MW-30D was checked for NAPL and DNAPL was detected in the well. There was also a trace of LNAPL detected at MW-30D.

On July 17, 2001, URS collected two composite samples from the drums for waste disposal characterization. These two samples were submitted for TCLP benzene and reactivity (see out of scope tasks).

Also on July 17, 2001, URS collected three grab water samples from three poly tank (two 1,500-gallon poly tanks and one 1,000-gallon poly tank). These three samples were submitted for total benzene analysis under 2-day expedited turnaround (see out of scope tasks).

On July 20, 2001, the planned installation of new deep wells MW-17D, MW-29D, MW-33D, and MW-34D, and new overburden monitoring well MW-30S was approved by NYSEG.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 23, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Core the open hole interval at MW-32D. Start drilling at well MW-20D, north of the kill.

Continue well development.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
		July 19, 2001		Odor	Odor, sheen, product
MW-12	14.5 to 25.5 feet	July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
		July 12, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	Odor
		July 19, 2001		Odor	Odor
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
		July, 12, 2001		Odor	Odor
		July 20, 2001		None	Odor
MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None

MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
		July 12, 2001		Odor	Odor
		July 19, 2001		Odor	Odor
		July 20, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
		July 13, 2001		Approximately 1 liters of NAPL recovered	
		July 20, 2001		Approximately 0.5 liters of NAPL recovered	
MW-31S	8 to 18 feet	June 28, 2001		None	None
		July12, 2001		None	None
		July19, 2001		None	None

RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
		July 12, 2001		Odor, sheen, product	Odor, sheen, product
		July 20, 2001		Odor, sheen, product	Odor, sheen, product
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-13	44.7 to 55.5 feet	July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
		July 12, 2001		Odor	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None

MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	Odor, sheen, product
		July 20, 2001		Odor	Odor, sheen, product
MW-25I	27 to 47 feet	July 12, 2001		None	None
		July 19, 2001		None	None
MW-26I	25.5 to 45.5 feet	July 12, 2001		None	None
		July 19, 2001		None	None
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
MW-29I	11.5 to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product

Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
		July 12, 2001		Odor, sheen, product	Emulsified NAPL
		July 20, 2001		Odor, sheen, product	Emulsified NAPL
MW-14D	90 to 120 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
		July 19, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
		July 13, 2001		None	None
MW-30D	91 to 121 feet	July 6, 2001		None	None
		July 13, 2001		None	None
		July 20, 2001		Odor, sheen	Odor, sheen, significant product

MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
		July 19, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 11, 2001		None	None
		July 19, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

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FROM: Eriko Fujita

DATE: July 16, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of July 9, 2001

On July 9, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of this project. The main topic of the call was the presence of NAPL in deep well MW-10D that may be due to a "slug" of NAPL that mobilized into the open hole interval as a result of nearby drilling activities. It was agreed that the presence of NAPL would be further evaluated following well development and continued NAPL checks at MW-10D. In addition, the installation of planned deep well MW-33D would provide additional information east of the site. Planned deep well MW-33D will be installed east of the MW-10 cluster in the southern portion of the DiSiena parking lot.

On July 10, 2001, URS provided NYSEG with an updated June 25, 2001 weekly progress report that provided additional detail regarding the planned installation of new deep wells MW-17D, MW-29D, MW-33D, and MW-34D, and new overburden monitoring well MW-30S. URS anticipates receiving approval to proceed with the work by the end of next week.

On July 10, 2001, the open hole interval at well MW-25I was cored. The open hole interval extends from approximately 27 to 47 feet bgs. There were no signs of NAPL during drilling of the open hole interval. The open hole interval was reamed using a 5 7/8-inch roller bit on July 11, 2001.

On July 10, 2001, the eight-inch overburden casing was installed to approximately 12 feet bgs at MW-32D.

On July 11, 2001, the open hole interval at well MW-26I was cored. The open hole interval extends from approximately 25.5 to 45.5 feet bgs. There were no signs of NAPL during drilling of the open hole interval. The open hole interval was reamed using a 5 7/8-inch roller bit on July 12, 2001. On July 12, 2001, the open hole interval at well MW-19I on the Horn property was cored. The open hole interval extends from approximately 18.5 to 38.5 feet bgs. There were no signs of NAPL during

drilling of the open hole interval. The open hole interval was reamed using a 5 7/8-inch roller bit on July 12, 2001.

On July 13, 2001, the open hole interval at well MW-2I was cored and reamed (5 7/8-inch roller bit). The open hole interval extends from approximately 12.2 to 32.2 feet bgs. There were no signs of NAPL during drilling of the open hole interval.

Well development of well MW-10D was initiated last week and a total of 27 gallons (approximately ½ well volume) of water and NAPL was removed from the well using disposable pumps and disposable polyethylene bailers. On July 10, 2001, ADT used their eductor pipe development tool at MW-10D and removed an additional 20 gallons of water and NAPL. The well was pumped dry and is slowly recharging. The evacuated water and NAPL mixture was very emulsified.

On July 11, 2001, well MW-10I was also developed and approximately 110 gallons of water was removed. The water did not show any signs of NAPL but did exhibit a strong sulfur odor.

In addition, on July 9, 2001, URS will cleaned the some of debris from behind the booms.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 16, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

NYSEG, NYSDEC, and URS have tentatively planned a conference call on July 18, 2001.

Initiate coring at MW-32D.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
		July 12, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
		July 12, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
MW-12	14.5 to 25.5 feet	July 12, 2001		Odor	Odor, sheen, product
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
		July 12, 2001		Odor	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	Odor
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
		July, 12, 2001		Odor	Odor
MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
		July 5, 2001		None	None
		July 12, 2001		None	None

MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
		July 12, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None
		July 12, 2001		None	None
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
		July 13, 2001		Approximately 1 liters of NAPL recovered	
MW-31S	8 to 18 feet	June 28, 2001		None	None
		July12, 2001		None	None
RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
		July 12, 2001		Odor, sheen, product	Odor, sheen, product
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
		July 12, 2001		None	None
MW-13	44.7 to 55.5 feet	July 12, 2001		Odor	Odor, sheen, product

MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	None
MW-15	14 to 24 feet	June 28, 2001		Odor	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
		July 12, 2001		Odor	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor
		July 12, 2001		None	Odor, sheen, product
MW-25I	27 to 47 feet	July 12, 2001		None	None
MW-26I	25.5 to 45.5 feet	July 12, 2001		None	None
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None
MW-29I	11.5 to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product

Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
		July 12, 2001		Odor, sheen, product	Emulsified NAPL
MW-14D	90 to 120 feet	July 6, 2001		None	None
		July 13, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
		July 13, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
		July 13, 2001		None	None
MW-30D	91 to 121 feet	July 6, 2001		None	None
		July 13, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 12, 2001		None	None

RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None
		July 11, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

URS

URS Corporation
646 Plank Road, Suite 202
Clifton Park, New York 12065

Telephone - (518) 688-0015
Fax - (518) 688-0022

TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: July 10, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of July 2, 2001

On July 2, 2001, the open hole interval at well MW-30D was cored. The open hole interval extends from approximately 90 to 121feet bgs. There were no signs of NAPL during drilling of the open hole interval. The open hole interval was reamed (six-inch diameter) on July 3, 2001.

Starting on July 2, 2001, ADT initiated well development at well MW-10D. A total of 27 gallons (approximately ½ well volume) of water and NAPL was removed from well MW-10D using disposable pumps and disposable polyethylene bailers. The NAPL is very emulsified and has not readily separated from the water, therefore the volume of recovered NAPL cannot be estimated.

Because the disposable pumps cannot provide enough lift to remove water from the deep bedrock wells and manually bailing the deep bedrock wells is too labor intensive, URS and ADT are looking into other well development methods. ADT has constructed a stainless steel development tool that with the aid of a portable air compressor may be able to assist with removing any drilling fines and water from the deeper bedrock wells. If this device works well with the deep bedrock wells, then it may be also used to develop the shallow bedrock wells.

On July 2, 2001, NYSEG's contractor Asplundh started to clear the land in the area of proposed well MW-20D, on the Bull property north of the Anthony Kill.

On July 6, 2001, ADT's drill rig was returned to the Albany shop for repairs. The drill rig is anticipated to return to the site on Monday, July 9, 2001.

On July 5, 2001, URS received the laboratory analytical results for the soil sample collected from 14 to 18 feet bgs at soil boring SB-45 in the Di Siena parking lot (downgradient of the Getty Station USTs). The soil sample was collected on June 20, 2001 using a Geoprobe. Per NYSDEC's request,

this soil sample was analyzed for BTEX plus MTBE, total petroleum hydrocarbons (TPH), and petroleum identification. BTEX was detected at 437 parts per million (ppm), MTBE was not detected above 2 ppm, and TPH was not detected above 10 ppm. The petroleum was identified as gasoline.

On July 6, 2001, additional booms for the Anthony Kill were brought to the site (see out of scope tasks). Next week, URS will clean the some of debris from behind the booms and replace the booms in the kill.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 9, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Install the overburden casing at MW-32D. Initiate coring at MW-30D after a minimum of 48 hours has elapsed from setting the casing and core the open hole intervals for shallow bedrock wells MW-2I, MW-19I, and MW-25I, and MW-26I.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18. 9 feet	June 28, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
MW-10	8.7 to 19. 5 feet	June 28, 2001		Odor	Odor
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
		July 6, 2001		None	None
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
MW-16	6 to 16 feet	June 28, 2001		None	None
		July 5, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
		July 5, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
		July 6, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
		July 6, 2001		None	None

MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
		July 5, 2001		Approximately 1.5 liters of NAPL recovered	
MW-31S	8 to 18 feet	June 28, 2001		None	None
RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
		July 6, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
		July 5, 2001		None	None
MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
		July 6, 2001		None	Odor
MW-15	14 to 24 feet	June 28, 2001		Odor	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
		July 6, 2001		None	Odor

MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product

Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
		July 9, 2001		Odor, sheen, product	Emulsified NAPL
MW-14D	90 to 120 feet	July 6, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 5, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		July 6, 2001		None	None
MW-30D	91 to 121 feet	July 6, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
		July 6, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None
		July 6, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

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Memorandum - Clifton Park

TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: July 2, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 25, 2001

On June 25, 2001, NYSEG, NYSDEC, and URS participated in an onsite meeting to discuss the status of the project. A summary memo was prepared and distributed on June 27, 2001(see out of scope tasks below). During this meeting, the locations for four new deep bedrock monitoring wells (MW-17D, MW-29D, MW-33D, and MW-34D), planned deep bedrock monitoring well MW-20D, and one previously tentatively planned overburden well MW-30S were selected.

On June 25, 2001, the bedrock was cored to approximately 90 feet bgs at well MW-30D. There was evidence of NAPL at approximately 70.5 feet bgs. It was also noted that there was significant water loss during drilling at MW-30D. On June 28, 2001, the hole was reamed and six-inch casing was set to approximately 90 feet bgs.

On June 29, 2001, the open hole interval at MW-14D was cored. The open hole interval extends from approximately 91 to 122 feet bgs. At approximately 121 feet bgs there was a highly

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calcified fracture and below this fracture there was an abrupt change to high angle bedding. There were no signs of NAPL during drilling of the open hole interval.

Also, on June 25, 2001, NYSEG's contractor Clean Harbors completed a clean water pickup and NYSEG was onsite to clean out the storage building.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). The presence of NAPL was detected on the weighted string used to check well MW-10D. Note that the next step is to develop well MW-10D and continue to monitor for the presence of NAPL. See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 2, 2001

There will be a conference call with NYSEG, NYSDEC, and URS on July 9, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Complete the open hole interval for MW-30D and initiate drilling at MW-32D.

NYSEG or their contractor will clear the area of the proposed MW-20D location of trees and brush.

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TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18.9 feet	June 28, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
MW-10	8.7 to 19.5 feet	June 28, 2001		Odor	Odor
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
MW-16	6 to 16 feet	June 28, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	

		June 13, 2001		Approximately 1.2 liters of NAPL recovered	
		June 21, 2001		Approximately 1.4 liters of NAPL recovered	
		June 28, 2001		Approximately 0.5 liters of NAPL recovered	
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
MW-31S	8 to 18 feet	June 28, 2001		None	None

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RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
MW-15	14 to 24 feet	June 28, 2001		Odor	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None

MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None

MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product

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Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor, sheen, product
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

From: <eriko_fujita@urscorp.com>
To: <gwcross@gw.dec.state.ny.us>, <jaedward@gw.dec.state.ny.us>
Date: 7/2/01 4:22PM
Subject: Revised weekly

Please discard the previous weekly status report emailed to you earlier today and replace with the attached file.
(See attached file: 062501dec.doc)
Thanks,

Eriko Fujita
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646 Plank Road, Suite 202
Clifton Park, New York 12065
Tel: 518-688-0015
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eriko_fujita@urscorp.com

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Memorandum - Clifton Park

TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: July 2, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 25, 2001

On June 25, 2001, NYSEG, NYSDEC, and URS participated in an onsite meeting to discuss the status of the project. A summary memo was prepared and distributed on June 27, 2001(see out of scope tasks below). During this meeting, the locations for four new deep bedrock monitoring wells (MW-17D, MW-29D, MW-33D, and MW-34D), planned deep bedrock monitoring well MW-20D, and one previously tentatively planned overburden well MW-30S were selected.

On June 25, 2001, the bedrock was cored to approximately 90 feet bgs at well MW-30D. There was evidence of NAPL at approximately 70.5 feet bgs. It was also noted that there was significant water loss during drilling at MW-30D. On June 28, 2001, the hole was reamed and six-inch casing was set to approximately 90 feet bgs.

On June 29, 2001, the open hole interval at MW-14D was cored. The open hole interval extends from approximately 91 to 122 feet bgs. At approximately 121 feet bgs there was a highly

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calcified fracture and below this fracture there was an abrupt change to high angle bedding. There were no signs of NAPL during drilling of the open hole interval.

Also, on June 25, 2001, NYSEG's contractor Clean Harbors completed a clean water pickup and NYSEG was onsite to clean out the storage building.

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). The weighted string used to check well MW-10D had MGP odors and the water squeezed out from the string had a sheen. Note that the next step is to develop well MW-10D and continue to monitor for the presence of NAPL. See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of July 2, 2001

There will be a conference call with NYSEG, NYSDEC, and URS on July 9, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Complete the open hole interval for MW-30D and initiate drilling at MW-32D.

NYSEG or their contractor will clear the area of the proposed MW-20D location of trees and brush.

TABLE 1
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Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-1	11.6 to 18.9 feet	June 28, 2001		None	None
MW-2	11.2 to 14.3 feet	June 28, 2001		None	None
MW-10	8.7 to 19.5 feet	June 28, 2001		Odor	Odor
MW-12S	11 to 26 feet	June 27, 2001		None	Odor
MW-14S	10 to 25 feet	June 28, 2001		None	None
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
		June 27, 2001		Odor	Odor
MW-16	6 to 16 feet	June 28, 2001		None	None
MW-17	13 to 23 feet	June 5, 2001		None	None
		June 28, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor	Odor
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	

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MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		June 28, 2001		Slight odor	Slight Odor
MW-31S	8 to 18 feet	June 28, 2001		None	None

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RH-1S	3 to 17 feet	May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 27, 2001		Odor	Odor
Shallow Bedrock Wells					
MW-10I	23 to 43 feet	June 28, 2001		None	None
MW-11	9.5 to 15 feet	June 28, 2001		None	None
MW-14	30 to 41 feet	June 28, 2001		Odor	Odor
MW-15	14 to 24 feet	June 28, 2001		Odor	None
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
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		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
		June 27, 2001		Odor, sheen, product	Odor, sheen, significant product
MW-18	28 to 38 feet	June 5, 2001		None	None
		June 28, 2001		None	None

MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
		June 28, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
		June 28, 2001		None	None

MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product

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Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	Odor. Sheen on water from string
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
		June 28, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check
		June 27, 2001		None	Unable to check
		June 28, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC
Gardiner Cross-NYSDEC

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 28, 2001

SUBJECT: June 25, 2001 Meeting Summary
NYSEG-Mechanicville, NY

The purpose of this document is to summarize our meeting on June 25, 2001 between NYSEG, NYSDEC, and URS at the Mechanicville site.

Drilling

NYSEG, NYSDEC, and URS agreed on the locations for four new deep bedrock monitoring wells (MW-17D, MW-29D, MW-33D, and MW-34D), planned deep bedrock monitoring well MW-20D, and one previously tentatively planned overburden well MW-30S.

Two of the new deep bedrock wells (MW-17D and MW-33D) will be installed at the Di Siena property. Monitoring well MW-17D will be installed adjacent to shallow bedrock well MW-17I (currently incomplete) in the DiSiena parking lot and MW-33D will be installed on the south side of the parking lot near soil boring SB-43. The anticipated total target depth for these two deep wells will be 115 feet bgs. The anticipated construction for wells MW-17D and MW-33D will be double-cased construction with a 20-foot long open hole interval. The purpose of these two wells is to further evaluate the eastern extent of NAPL in bedrock and to install clean (NAPL-free) deep bedrock wells.

Monitoring well MW-29D will be installed adjacent existing well MW-29I. Bedrock coring at MW-29D will be initiated at 26 feet bgs, the current total depth of MW-29I. Because there is a potential of mobilizing NAPL into the kill during drilling of the bedrock to 26 feet bgs at MW-29D, the NYSDEC recommended that casing be advanced immediately behind the drill bit to minimize NAPL migration. Upon consultation with our drilling subcontractor ADT, the alternatives to drilling the bedrock with a roller-bit (wash-rotary method) are: using a spin-casing method (casing advanced behind the drill bit); or using drilling mud in order to seal the bedrock fractures. The spin-casing method with high-pressure air has a greater potential of mobilizing the NAPL than by wash-rotary

drilling. The use of drilling mud would lower the potential of NAPL migration to the kill but plugging the fractures near the MW-29 well cluster would interfere with NAPL recovery efforts at well MW-29I. Therefore, drilling through the bedrock to 26 feet bgs at the MW-29D location will be completed using the wash-rotary method. URS will continuously monitor the kill during drilling of MW-29D and initiate NAPL recovery efforts as necessary. The anticipated total target depth for well MW-29D will be 105 feet bgs. The anticipated construction for this well will be triple-cased construction with a 20-foot long open hole interval.

Deep bedrock monitoring wells MW-20D and MW-34D will be installed on the Bull property, north of the site. Well MW-20D will be installed west of the parking area for the vehicle repair shop and north-northwest of well MW-21D. The location for MW-20D was selected based on the location of MW-21D and the location of the bedrock seeps in the kill that were observed to be connected to the bedrock fractures encountered during drilling at well MW-21D. Based on the presence of NAPL in the bedrock at MW-14D and MW-23D, new deep well MW-34D will be installed immediately north of the bridge in the southeast corner of the Bull property. The anticipated total target depth for these two deep wells will be 115 feet bgs. The anticipated construction for wells MW-20D and MW-34D will be double-cased construction with 20-foot long open hole intervals.

Overburden monitoring well MW-30S will be installed adjacent to MW-30D. NAPLs were observed in the overburden materials in this area during soil sampling and installation of the overburden casing for well MW-30D. The addition of this overburden well provides an approximate 50-foot spacing of overburden wells along the entire eastern boundary of the site. The anticipated total target depth for this overburden well will be 27 feet bgs. The anticipated well materials are four-inch PVC, a two-foot long sump, and a 15-foot 020-slot screen for well MW-30S.

In addition, NYSEG, NYSDEC, and URS agreed that tentatively planned well cluster MW-27 (between well clusters MW-15 and MW-21) will not be installed.

Schedule

URS will continue to NAPL check and recovery work on a weekly basis.

Core the bedrock and set casing at a target depth of approximately 90 feet at MW-30D. (Sit for at least 48 hours).

Complete the open hole intervals for MW-14D and MW-30D.

Conference call is tentatively scheduled for Monday July 9, 2001 at 11:00am.

From: <eriko_fujita@urscorp.com>
To: <tlblazicek@nyseg.com>, <jaedward@gw.dec.state.ny.us>, <gwcross@gw.dec.state.ny.us>
Date: 6/27/01 4:01PM
Subject: June 25, 2001 meeting summary

The meeting summary memo is attached.

Please note that we discussed the options for drilling down to 26 feet bgs at MW-29D with a casing to minimize NAPL migration into the kill with Joe Miranda of ADT. The objectives were to attempt to minimize NAPL migration from the fractures that are connected to bedrock seeps in the kill as observed during drilling at MW-29I and maintain MW-29I as a NAPL recovery location. According to Joe, the spin-casing method cannot be done without using high pressure air which has a greater potential of mobilizing NAPL than just roller-biting with water. Joe suggested using mud rotary (low pressure) which has a lesser potential of mobilizing NAPL than roller-biting but the mud would fill in the fractures. Using mud would interfere with NAPL recovery efforts at MW -29 cluster. Therefore, as presented in the summary memo drilling at MW-29D to 26 bgs will be completed using wash-rotary (roller-bit).

(See attached file: 062501sum.doc)

Please let me know if you have any questions. Thanks,

Eriko Fujita
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CC: <Teresa_Misiolek@URSCorp.com>, <ursgplt@together.net>, <scott_sklenar@urscorp.com>, <Scott_Hulseapple@urscorp.com>

Memorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 26, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 18, 2001

On June 18, 2001, the eight-inch overburden casing for deep monitoring well MW-30D was installed to approximately 28 feet bgs. On June 22, 2001, bedrock coring was initiated at MW-30D. Note that there was evidence of NAPL in the overburden materials and during drilling through the plug in the overburden casing (prior to bedrock coring) at this location. The bedrock was cored to approximately 49 feet and there were no signs of NAPL in the bedrock.

On June 18, 2001, a ten-foot open hole interval was cored at well MW-15D. The open hole interval at well MW-15D is from approximately 95.5 to 105.5 feet bgs. There were no signs of NAPL during coring.

On June 19, 2001, the reinstallation of overburden well RH-1S was completed. The total depth of well RH-1S is 17.8 feet. This well was completed with a 0.5-foot sump and 15-foot long, 040-slot screen.

On June 19, 2001, shallow bedrock monitoring well MW-10I was completed with a 20-foot long open hole interval. The open hole interval for MW-10I extends from approximately 23 to 43 feet bgs. There were no signs of NAPL during drilling of the open hole interval.

On June 20, 2001, the bedrock to 90 feet bgs was cored at deep monitoring well MW-14D. At 71 feet bgs there was a high angle fracture with NAPL. Because the difference in the ground surface elevation between North Central Avenue and the site is approximately 10 feet bgs, the depth of the fracture is approximately 61 feet below the surface of the site.

On June 20, 2001, ADT's Geoprobe mobed to the site to advance additional soil borings. Six soil borings (SB-65 through SB-70) were advanced to 8 feet within the planter boxes along North Central Avenue. In general there were purifier odors between 2 and 6 feet bgs. Four soil borings (SB-61 through SB-64) were advanced to the top of rock or refusal (interpreted as possibly canal remnants) along the west side of North Central Avenue in front of the McDowell property and the NYSEG substation. NAPLs were not observed at these locations.

On June 21, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. It was agreed that the purifier wastes near the fence and the planter boxes would be evaluated and addressed as part of the feasibility study for the site. The soil and groundwater data from the MW-31 cluster at the McDowell property were briefly discussed. Overall, there were no impacts attributable to MGP contamination detected in these samples.

In addition, on June 20, 2001, URS collected a water sample for total benzene analysis from one 1,500-gallon poly tanks (see out of scope work tasks below).

Summary of NAPL Observations

URS continued to conduct weekly NAPL checks and recovery (well MW-26S) at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of June 25, 2001

There will be an onsite meeting with NYSEG, NYSDEC, and URS on June 25, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Continue to core the bedrock at well MW-30D to set the 6-inch casing, core the open hole interval at MW-14D, and install the 10-inch overburden casings at deep bedrock monitoring well location MW-32D.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
MW-17	13 to 23 feet	June 5, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL	
		June 21, 2001		Approximately 1.4 liters of NAPL	
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
Shallow Bedrock Wells					
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None

MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-15D	95 to 105 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps. However, sheens were observed in the kill at the rip rap slope near to the MW-23 cluster. Clean water leaking from a hose that extended up the slope to the drill rig at the MW-14D location would flow toward and downward through the rip rap slope and produce a sheen at the edge of the kill. The leaking hose has since been patched.

Memorandum - Clifton Park

URS

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 25, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 18, 2001

On June 18, 2001, the eight-inch overburden casing for deep monitoring well MW-30D was installed to approximately 28 feet bgs. Starting on June 22, 2001, bedrock coring was initiated at MW-30D.

On June 18, 2001, a ten-foot open hole interval was cored at well MW-15D. The open hole interval at well MW-15D is from approximately 95.5 to 105.5 feet bgs. There were no signs of NAPL during coring.

On June 19, 2001, the reinstallation of overburden well RH-1S was completed. The total depth of well RH-1S is 17.8 feet. This well was completed with a 0.5-foot sump and 15 foot long, 040-slot screen.

On June 19, 2001, shallow bedrock monitoring well MW-10I was completed with a 20-foot long open hole interval. The open hole interval for MW-10I extends from approximately 23 to 43 feet bgs. There were no signs of NAPL during drilling.

On June 20, 2001, the bedrock to 90 feet bgs was cored at deep monitoring well MW-14D. At 71 feet bgs there was a high angle fracture with NAPL.

On June 20, 2001, ADT's Geoprobe mobed to the site. Six soil borings (SB-65 through SB-70) were advanced to 8 feet within the planter boxes along North Central Avenue. In general there were purifier odors between 2 and 6 feet bgs. Four soil borings (SB-61 through SB-64) were advanced to the top of rock or refusal along the west side of North Central Avenue in front of the McDowell property and the NYSEG substation.

On June 21, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. It was agreed that the purifier wastes near the fence and the planter boxes would be evaluated and addressed as part of the feasiblity study for the site. The soil and groundwater data from the MW-31 cluster at the McDowell property were briefly discussed.

In addition, on June 20, 2001, URS collected a water sample for total benzene analysis from one 1,500-gallon poly tanks (see out of scope work tasks below).

On June 22, 2001 the bedrock at MW-30D was cored to approximately 45 feet. There were no signs of NAPL to 45 feet.

Summary of NAPL Observations

URS continued to conduct NAPL checks at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of June 25, 2001

There will be an onsite meeting with NYSEG, NYSDEC, and URS on June 25, 2001.

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Continue to core the bedrock at well MW-30D to set the 6-inch casing, core the open hole interval at MW-14D, and install the 10-inch overburden casings at deep bedrock monitoring well location MW-32D.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
MW-17	13 to 23 feet	June 5, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL	
		June 21, 2001		Approximately 1.4 liters of NAPL	
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
Shallow Bedrock Wells					
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None

		June 13, 2001		None	Odor
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-15D	Cored to 67 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
		June 21, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
		June 21, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
		June 21, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None
		June 21, 2001		None	Unable to check

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
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Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 20, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 11, 2001

On June 11, 2001, URS purged overburden monitoring well MW-31S prior to sampling this well. The well was purged dry. On June 12, 2001, sample containers were filled for VOC and phenols analyses and submitted to the laboratory. Because the well went dry, the sample containers for SVOCs (PAHs) and cyanide were not filled and submitted to the laboratory until June 13, 2001. All analyses were submitted to the laboratory for 2-day TAT.

On June 11, 2001, the bedrock from approximately 67 to 94 feet was cored at well MW-15D. The borehole was reamed to approximately 95.5 feet and the four-inch casing was set on June 15, 2001.

On June 12, 2001, bedrock coring was initiated at deep monitoring well MW-14D. Due to problems with the drilling equipment, the bedrock was only cored from approximately 27 to 36 feet bgs.

On June 12, 2001, URS attempted to evaluate the vertical extent of the purifier waste (wood chips) between the plant boxes and the fence along North Central Avenue using a hand auger. URS advanced five borings that could not be advanced beyond 2 to 2.5 feet bgs with the hand auger. The purifier waste appeared to thin to the south. To the north, the shallow subsurface materials consisted of black-stained sand and wood chips that exhibited strong odors. Additional borings (within the planter boxes) will be advanced with the Geoprobe next week.

On June 12, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. It was agreed that based on the absence of MGP wastes at the 29 soil borings advanced east of the site, further investigative work east of the site was not warranted at this time. The exception is the collection of one soil sample to document the petroleum impacts encountered downgradient from the Getty USTs. Groundwater sampling at MW-31S was also discussed.

In addition, on June 12, 2001, NYSEG's surveyor CT Male was onsite to survey the new monitoring well and soil boring locations.

On June 15, 2001, URS measured the depths to water at all of the overburden wells including MW-31S. Also, on June 15, 2001, URS collected water samples for total benzene analysis from two 1,000-gallon poly tanks (see out of scope work tasks below).

Summary of NAPL Observations

URS continued to conduct NAPL checks at the site (see out of scope tasks below). See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of June 18, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Complete the anticipated open hole interval for intermediate bedrock monitoring wells MW-10I and continue bedrock coring at MW-14D.

Install the 10-inch overburden casings at deep bedrock monitoring well locations MW-30D and MW-32D.

Advance additional borings to the top of rock along the west side of North Central Avenue and in the planter boxes.

Once the new survey data is received, URS will prepare a water table map.

NYSEG, NYSDEC, and URS will participate in a conference call on June 21, 2001.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
		June 13, 2001		Odor	Odor
MW-17	13 to 23 feet	June 5, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
		June 13, 2001		Approximately 1.2 liters of NAPL	
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		May 25, 2001		Odor	None
		June 7, 2001		None	None
		June 13, 2001		None	None
Shallow Bedrock Wells					
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
		June 13, 2001		None	Odor

MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None
		June 13, 2001		None	None
MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
		June 13, 2001		Odor, sheen, product	Odor, sheen, product
Deep Bedrock Wells					
MW-10D	82 to 114 feet	June 12, 2001		None	None
MW-15D	Cored to 67 feet	June 12, 2001		None	None
MW-21D	48.7 to 59.4 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
MW-23D	56 to 80 feet	June 12, 2001		None	None
MW-31D	28 to 150 feet	June 12, 2001		None	None
RH-1D	86.5 to 107.5 feet	June 5, 2001		None	None
		June 12, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Me..iorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
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INFO: Scott Sklenar -URS
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Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 12, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of June 4, 2001

On June 4 and 5, 2001, URS provided oversight during drilling (roller bit) at deep bedrock well MW-31D at the McDowell property. The well was drilled approximately 28 feet to 150 feet. There were no signs of NAPL or odors in the return drilling water at any time during drilling. Well MW-31D was completed as an open hole well.

On June 4 through 6, 2001, URS provided oversight during the advancement of 19 soil borings using a Geoprobe at the Di Siena property and locations along the east side of North Central Avenue. All 19 borings (SB-36 through SB-55) were advanced to refusal or bedrock. There were no signs of NAPL or MGP odors at any of the 19 soil borings. Most of the borings advanced in the east parking lot at DiSiena encountered bedrock between 21 and 24 feet. The easternmost soil borings SB-54 and SB-55 were advanced in the south parking lot of DiSiena and bedrock was a few feet deeper at 29 feet (SB-54) and 26 feet (SB-55). At some soil borings SB-44 through SB-46 downgradient of the Getty Station's underground storage tanks, strong petroleum odors (gasoline) and product(?) were observed at approximately 15 feet and below. At two soil borings advanced west of the Getty Station along North Central Avenue bedrock was encountered at approximately 17.8 feet (SB-41) and 10.2 feet (SB-42). Boring SB-42 was the southernmost boring advanced to bedrock. The Geoprobe was unable to advance borings beyond three feet in front of the John H. Ahern Rescue Squad, which is south of the Getty Station.

On June 5, 2001, the overburden materials at well locations MW-32D (west of MW-21D) and MW-30D along North Central Avenue were continuously sampled. There were no signs of NAPL or MGP odors at either location. The thickness of the overburden was approximately 9.7 feet at MW-32D and 24.3 feet and MW-30D.

On June 5, 2001, NYSEG's contractor Clean Harbors was onsite for a hazardous water pick up from three poly tanks.

On June 5, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the project status. The work completed during the last week and the ongoing Geoprobe work was discussed. Additional offsite soil boring work was planned along the west side of North Central Avenue in front of NYSEG's Halfmoon substation and the McDowell property.

On June 6, 2001, the open hole interval below the four-inch casing that was set to 82 feet was cored at well MW-10D. During coring, there were no signs of NAPL and the bedrock was competent. The open hole interval at well MW-10D is between approximately 82 and 113.5 feet bgs.

On June 7, 2001, the open hole interval below the four-inch casing that was set to 56 feet was cored at well MW-23D. During coring, there were no signs of NAPL and the bedrock was competent. The open hole interval at well MW-23D is between approximately 56 and 80 feet bgs.

On June 7 and 8, 2001, overburden well MW-31S was developed at the McDowell property, south of the site. The standing water in the well was removed 1 gallon and the well went dry. With the NYSDEC's concurrence, five gallons of clean water was added to the well to assist with development. A total of approximately 6 gallons of water was removed from well MW-31S during development. A water sample will be collected from MW-31S on Monday June 11, 2001 (2-day TAT) (See out of scope activities below).

On June 8, 2001, deep bedrock well MW-15D was cored from approximately 23 to 67 feet. There were a couple of drops of NAPL observed in the wash tub during the last core run.

URS understands that NYSEG and NYSDEC were onsite on June 7, 2001 to inspect the basements of the some of the nearby residences. Further URS understands that NYSDEC wants NYSEG to collect one soil sample from the area where the gasoline odors were encountered during the Geoprobe work (see out of scope activities). This soil sample which is to be analyzed for BTEX, MTBE, and total petroleum hydrocarbons will be collected when the Geoprobe work along the west side of North Central Avenue (in front of NYSEG's Halfmoon Substation and the McDowell property) is scheduled.

Summary of NAPL Observations

URS continued to conduct NAPL checks at the site (see out of scope tasks below). On June 6, 2001, URS removed the booms west and east of the bridge from the kill. The boom west of the bridge was replace and the hard boom was realigned across the kill. Some of the debris in the kill was also cleaned up.

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of June 11, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Complete the anticipated open hole interval for deep bedrock monitoring wells MW-15D and conduct bedrock coring at MW-14D.

Collect a groundwater sample from overburden well MW-31S.

NYSEG's contractor CT Male will be onsite to survey the new soil boring locations and new monitoring wells.

NYSEG, NYSDEC, and URS will participate in a conference call on June 12, 2001.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Screened Interval	Date	General Observations	LNAPL Observations	DNAPL Observations
Overburden Wells					
MW-15S	5 to 10 feet	May 18, 2001	Odor, trace		
		May 25, 2001		None	None
		June 7, 2001		Odor	Odor
MW-17	13 to 23 feet	June 5, 2001		None	None
MW-23S	7.5 to 12.5 feet	May 25, 2001		Odor, sheen, product	None
		May 29, 2001		Odor	Odor, sheen, product
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
MW-25S	11 to 26 feet	May 29, 2001		Odor, sheen, product	Odor and sheen
MW-26S	7.5 to 22.5 feet	May 29, 2001		Odor, sheen, product	
		May 30, 2001		Approximately 4 liters of NAPL recovered	
		June 6, 2001		Approximately 1.1 liters of NAPL recovered	
MW-21S	5 to 10 feet	May 18, 2001	Slight odor		
		May 25, 2001		Odor	None
		June 7, 2001		None	None
Shallow Bedrock Wells					
MW-15I	12 to 22 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor, sheen, product	None
		June 7, 2001		Odor, sheen, product	Odor, sheen, product
MW-18	28 to 38 feet	June 5, 2001		None	None
MW-22I	17 to 32 feet	May 18, 2001	None		
		May 25, 2001		Odor	Odor
		June 7, 2001		Odor	None
MW-28I	15 to 25 feet	May 18, 2001	None		
		May 25, 2001		None	None
		June 7, 2001		None	None

MW-29I (in progress)	Cored to 26 feet	May 18, 2001	Odor, trace		
		May 25, 2001		Odor and sheen	Odor, sheen, product
		June 7, 2001		None	Odor, sheen, product
Deep Bedrock Wells					
MW-21D	49 to 59 feet	May 18, 2001	Slight odor		
		May 25, 2001		None	None
RH-1D	87.5 to 107.5 feet	June 5, 2001		None	None

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL. During this week, there were no sheens observed in the kill from the bedrock seeps.

Memorandum - Clifton Park

URS

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TO: Tracy Blazicek-NYSEG
Jeff Edwards-NYSDEC (excluding Table 2)
Gardiner Cross-NYSDEC (excluding Table 2)

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: June 5, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of May 28, 2001

On May 29, 2001, NYSEG, NYSDEC, NYSDOH, and URS had an onsite meeting. A summary of the onsite meeting was prepared by URS and emailed to NYSEG and NYSDEC on May 30, 2001. During the meeting, the approximate location for new deep bedrock well MW-32D west of the well MW-21 cluster was selected, the results of the NAPL checks were discussed, and the offsite drilling work at the McDowell property and east of Central Ave were discussed (see out of scope tasks below).

NYSEG initiated communications with the City of Mechanicville regarding drilling along the east side of Central Avenue in the right-of –way and received approval on May 30, 2001.

On May 29, 2001, during bedrock coring at MW-10D, NAPL was observed in the wash tub at a depth corresponding to approximately 67 feet bgs. The bedrock was cored to approximately 82 feet bgs. The boring was reamed and the four-inch casing was set to 82 feet.

On May 30, 2001, overburden well MW-31S was installed at the McDowell property, south of the site. No signs of NAPL or MGP odors were observed during drilling at MW-31S. This well was completed with 20-slot screen and a two-foot sump. The total depth of well MW-31S is 20 feet bgs. On May 31, 2001, the four-inch overburden casing for deep bedrock well MW-31D was set to 28 feet bgs. The top of bedrock at MW-31D was encountered at approximately 26 feet bgs.

On May 31, 2001, the open hole interval below the two-inch casing was cored using an AX core bit (1.9 diameter) at well RH-1D. During coring, there were no signs of NAPL and the bedrock was competent. The open hole interval at well RH-1D is between approximately 87.5 and 107.5 feet bgs.

In addition, URS collected a water sample from the 500-gallon poly tank for total benzene analysis to characterize the water for subsequent disposal.

Summary of NAPL Observations

URS continued to conduct NAPL checks and recovery at the site (see out of scope tasks below). Due to the heavy rains during the previous week, the level of the kill had risen several feet and the booms are full of sediment. On June 1, 2001, URS removed some of the debris (mostly tree branches) that piled up behind the booms and replaced the booms in the kill.

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of June 4, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

Initiate the Geoprobe work east of the Central Avenue and near the planter boxes

Installation of deep bedrock well MW-31D at the McDowell property using a 3 ¾-inch roller bit (anticipated total depth of 150 feet bgs). Complete the open hole intervals for deep bedrock monitoring wells MW-10D and MW-23D.

NYSEG, NYSDEC, and URS will participate in a conference call on June 5, 2001.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Date	General Observations	LNAPL Observations	DNAPL Observations
MW-21S	May 18, 2001	Slight odor		
	May 25, 2001		Odor only	None
MW-21D	May 18, 2001	Slight odor		
	May 25, 2001		None	None
MW-15S	May 18, 2001	Odor, trace		
	May 25, 2001		None	None
MW-15I	May 18, 2001	Odor, trace		
	May 25, 2001		Odor, sheen, product	None
MW-28I	May 18, 2001			
	May 25, 2001		None	None
MW-22I	May 18, 2001			
	May 25, 2001		Odor	Odor
MW-29I	May 18, 2001	Odor, trace		
	May 25, 2001		Odor and sheen	Odor, sheen, product
MW-23S	May 25, 2001		Odor, sheen, product	None
	May 29, 2001		Odor	Odor, sheen, product
MW-26S	May 29, 2001		Odor, sheen, product	
	May 30, 2001		Approximately 4 liters of NAPL recovered	
MW-25S	May 29, 2001		Odor, sheen, product	Odor and sheen

At this time, the thickness of the product is not significant enough for recovery purposes.

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL.

Memorandum - Clifton Park

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TO: Tracy Blazicek-NYSEG
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Gardiner Cross-NYSDEC

INFO: Scott Sklenar -URS
Paul Pavone - URS
Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: May 31, 2001

SUBJECT: May 29, 2001 Meeting Summary
NYSEG-Mechanicville, NY

The purpose of this document is to summarize our meeting on May 29, 2001 between NYSEG, NYSDEC, NYSDOH, and URS at the Mechanicville site.

NAPL Checks and Recovery

The results from the NAPL checks conducted last Friday and earlier this morning were discussed. In general, odors and sheens were observed at most of the wells checked with the exception of MW-21D and MW-28I. Signs of DNAPL were found at MW-15I, MW-22I, and MW-29I. The greatest indication of LNAPL was found at MW-26S. URS will check the wells for NAPL on a weekly basis (minimum) and attempt NAPL recovery if the amount of accumulated NAPL appears to exceed two inches.

Drilling

The location for the deep bedrock monitoring well MW-32D, west of the MW-21 cluster was selected. The purpose of this well is to document the western boundary of NAPL in bedrock and to install a clean (NAPL-free) deep bedrock monitoring well.

NAPL was observed in the wash tub at a depth corresponding to approximately 67 feet bgs at MW-10D along Central Avenue. The bedrock between approximately 61 and 67 feet had a very low RQD. NYSEG, NYSDEC, and URS agreed to continue coring to at least 80 feet bgs and then determine whether to set casing (if competent rock) or continue to core to 90 feet bgs and set casing. Following the meeting, the bedrock between 70 and 80 feet bgs was found to be competent and the four-inch casing will be set to 80 feet.

Due to the time pressures related to the property transaction taking place at the McDowell property south of the site, the drilling work at this offsite location was discussed. The

overburden monitoring well MW-31S will be installed first. This well will be completed with two-inch PVC with a two-foot sump. NYSEG, NYSDEC, and URS agreed to install a deep bedrock monitoring, MW-31D (for the quantitative evaluation of whether there are NAPLs beneath the McDowell property), by drilling to an assumed target depth of 150 feet bgs using wash rotary methods (roller-bit) without bedrock coring. Because bedrock core will not be obtained, the return water in the wash tub will be observed for signs of NAPL. If NAPL is observed, it was agreed that the boring would be advanced up to an additional 10 feet before terminating drilling. It is planned that MW-31D will be left open hole for future potential downhole geophysics. However, if there is a potential for a collapsing borehole, PVC well materials will be set in the hole, if possible.

The additional Geoprobe work was also discussed. NYSDEC would like to have borings at approximately 20-foot intervals at the Di Siena property. Initially the borings will be aligned north-south, parallel to Central Avenue. Based on the configuration of the bedrock from the initial borings, additional borings will be advanced in an eastward direction. All of these borings will be advanced to the top of the bedrock.

NYSEG will initiate communications with the City of Mechanicville regarding drilling along the east side of Central Avenue in the right-of –way.

Schedule

URS will continue to NAPL check and recovery work.
Ream the core hole and set the four-inch casing at 81 feet at MW-10D. (Sit for at least 48 hours).
The overburden well MW-31S will be installed at the McDowell property. Install the four-inch overburden casing at MW-31D and roller bit the bedrock.

Conference Call is scheduled for next Tuesday June 5, 2001 at 11:00am. Tracy Blazicek will initiate the conference call.

Memorandum - Clifton Park

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INFO: Scott Sklenar -URS
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Teresa Misiolek-URS
Scott Hulseapple-URS

FROM: Eriko Fujita

DATE: May 31, 2001

SUBJECT: Progress Report – Supplemental Remedial Investigation Field Work
NYSEG-Mechanicville, NY

Tasks Completed During the Week of May 21, 2001

URS continued to provide drilling oversight and conduct NAPL checks and recovery at the site (see out of scope tasks below). Due to rain throughout the week, causing the level of the kill to rise, URS placed additional layers of sand bags around the bedrock seep area. In addition, URS rearranged some of the rip-rap to facilitate access to the kill.

On May 21, 2001, bedrock coring continued below the four-inch casing set to approximately 49 deep at deep bedrock monitoring well MW-21D. Although rock flour and some NAPL were observed to be seeping out of the bedrock in the kill, there were no signs of NAPL in the bedrock during coring. Well MW-21D was completed with an open hole interval that extends from approximately 49 to 59 feet bgs.

On May 21, 2001, bedrock coring continued below the four-inch casing set at approximately 66 feet at deep bedrock monitoring well RH-1D. A NAPL-producing fracture was encountered at approximately 69 feet at RH-1D. Additional coring to 86.5 feet indicated two fractures at approximately 78 and 82 feet. There were signs of NAPL below 69 feet, however, it is not clear whether the fractures at 78 and 82 feet are NAPL-producing fractures or if the NAPL was from the fracture at 69 feet. As agreed with NYSDEC, two-inch casing was set to approximately 86.5 feet. The bedrock below 86.5 feet will be cored with an AX core bit (1.9 diameter).

On May 22, 2001, NYSEG, NYSDEC, and URS participated in a conference call to discuss the status of the project. In general, the discussion focused on NAPL recover at the kill and the deep bedrock monitoring wells MW-10D, MW-21D, MW-23D, and RH-1D. The NYSDEC suggested that the additional soil boring work at Di Siena be scheduled and that the seeps in the kill be surveyed. At this time, the Geoprobe work at Di Siena is scheduled for the week of June 4, 2001.

On May 23, 2001, bedrock coring was initiated at deep bedrock monitoring well MW-10D. There were no signs of NAPL or odors in the bedrock to approximately 60 feet. During drilling, water loss was noted at approximately 46 feet bgs and "bubbling" was observed at some of the bedrock seeps in the kill. The water level at MW-29I was also noted to be slightly rising. The corehole was reamed and six-inch casing was set at approximately 60 feet bgs.

In addition, on May 23, 2001, NYSEG's contractor Clean Harbors was onsite for a non-hazardous water pick up from three poly tanks.

Summary of NAPL Observations

See attached Table 1.

Out of Scope Activities and Costs

See attached Table 2.

Tasks to Be Completed During the Week of May 28, 2001

URS will continue to provide oversight during the bedrock coring at the wells, check wells for NAPL, monitor the kill at the site, and recover NAPL as necessary.

URS will participate in the onsite meeting with NYSDEC scheduled for May 29, 2001.

Installation of overburden well MW-31S at the McDowell property is scheduled for May 30, 2001.

TABLE 1
SUMMARY OF NAPL OBSERVATIONS

Location	Date	General Observations	LNAPL Observations	DNAPL Observations
MW-21S	May 18, 2001	Slight odor		
	May 25, 2001		Odor only	None
MW-21D	May 18, 2001	Slight odor		
	May 25, 2001		None	None
MW-15S	May 18, 2001	Odor, trace		
	May 25, 2001		None	None
MW-15I	May 18, 2001	Odor, trace		
	May 25, 2001		Odor, sheen, product	None
MW-28I	May 18, 2001			
	May 25, 2001		None	None
MW-22I	May 18, 2001			
	May 25, 2001		Odor	Odor
MW-29I	May 18, 2001	Odor, trace		
	May 25, 2001		Odor and sheen	Odor, sheen, and product
MW-23S	May 25, 2001		Odor, sheen, and product	None

At this time, the thickness of the product is not significant enough for recovery purposes.

To date, approximately 30 gallons of water and NAPL that has been collected from the kill. It has been estimated that between five and ten gallons is NAPL.