

**REPORT ON
NAPL AND GROUNDWATER GAUGING REPORT FOR
PERFORMANCE MONITORING OF ISS IRM
RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK**



by H & A of New York Engineering and Geology, LLP
Rochester, New York

for Rochester Gas & Electric Corporation
Rochester, New York

File No. 129111-005
February 2024



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14 February 2024
File No. 129111-005

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor F
625 Broadway
Albany, New York 12233

Attention: Greta White, P.G.

Subject: NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM
RG&E East Station Former MGP; Site ID No. 828204
Rochester, New York

Dear Ms. White:

On behalf of our client, Rochester Gas & Electric Corporation (RG&E), this non-aqueous phase liquid (NAPL) and Groundwater Gauging Report for Performance Monitoring of the In-Situ Stabilization (ISS) Interim Remedial Measure (IRM) has been prepared to summarize the findings of the field monitoring event performed on 25 October 2023 at RG&E's East Station Former MGP Site, located off Suntru Street in Rochester, New York. This monitoring event was performed in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved *The proposed East Station 2013-2018 ISS IRM Monitoring Plan for Groundwater Level and NAPL gauging and recovery* (Performance Monitoring Plan) by Ish, Inc., dated February 2013. Table I lists the monitoring and recovery wells that were gauged. Figure 1 shows the locations of the wells.

Please refer to the following reports prepared and submitted to NYSDEC for the previously completed monitoring activities at the East Station Former MGP Site:

- *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, dated November 2009.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 17, 18 and 19, 2009 Monitoring Event, dated February 2010.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 4 and 5, 2010 Monitoring Event, dated June 2010.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 12 and 13, 2010 Monitoring Event, dated January 2011.*

- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 16, 17 and 18, 2011 Monitoring Event, dated July 2011.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 3 and 4, 2011 Monitoring Event, dated January 2012.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 14 and 15, 2012 Monitoring Event, dated July 2012.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 17 and 18, 2012 Monitoring Event, dated January 2013.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, for the monitoring period from January 2009 through December 2012, dated February 2013.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 14, 2014 Monitoring Event, dated December 2014.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 23, 2015 Monitoring Event, dated November 2015.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 27, 2016 Monitoring Event, dated January 2017.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 23, 2017 Monitoring Event, dated December 2017.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 30, 2018 Monitoring Event, dated December 2018.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 29, 2019 Monitoring Event, dated December 2019.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 9, 2020 Monitoring Event, dated December 2020.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 25, 2021 Monitoring Event, dated February 2022.*
- *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 27, 2022 Monitoring Event, dated January 2023.*

Please refer to the document titled *Summary of the Installation and Monitoring of Groundwater Wells for Water Quality and NAPL at the East Station Site following the Completion of the ISS IRM* dated 4 September 2008 for information regarding the 31 monitoring/recovery wells, the monitoring frequency, and reporting schedule.

Field Activities

Field activities performed on 25 October 2023 consisted of recording static water levels and gauging for light NAPL (LNAPL) and dense NAPL (DNAPL) in 31 monitoring/recovery wells. The methods used for groundwater level measurements and NAPL gauging for this performance monitoring event were consistent with those used for previous monitoring events and in past Site investigation work. Field activities performed are identified in Table I.

Groundwater Flow Characteristics

The groundwater elevation data is presented in Table II. Since the locations that were gauged during the October 2023 monitoring event consist of a relatively linear network of wells, a groundwater elevation contour figure was not generated for this dataset. Based on results of previous groundwater contours (see the *NAPL and Groundwater Monitoring Report*, dated November 2009; Figures 5 through 8), groundwater flow is generally from the eastern Site area, westerly toward the ISS columns. In the northern area of the Site, groundwater flow is generally to the northwest. In the southern area of the Site, groundwater flow is generally to the southwest.

NAPL Gauging Results Summary

During the October 2023 gauging event, trace LNAPL was detected at recovery wells MW-5R and RW-11. Approximately 0.04 feet of LNAPL was measured at well RW-5. H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) recommends continued annual monitoring, with the next event scheduled for the fall of 2024. Overburden in the vicinity of MW-5R, RW-5, and RW-11 will be addressed through soil excavation and removal, in accordance with the Record of Decision (ROD) dated June 2022.

We appreciate the opportunity to provide IRM monitoring services on this project. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,

H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP



Kimberly T. Bartlett
Staff Geologist



Douglas C. Allen, P.G.
Senior Project Manager

Rochester Gas & Electric Corporation

14 February 2024

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Enclosures:

Table I – Summary of Well Gauging and Sampling Events

Table II – Groundwater Elevations and NAPL Measurements

Figure 1 – Water Quality, NAPL Monitoring, and NAPL Recovery Wells (Ish, Inc.)

c: Rochester Gas & Electric; Attn: Jeremy Wolf
Parsons; Attn: Anne Burnham

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References

1. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 27 October 2016 Monitoring Event*, dated January 2017.
2. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 23 October 2017 Monitoring Event*, dated December 2017.
3. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 30 October 2018 Monitoring Event*, dated December 2018.
4. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 29 October 2019 Monitoring Event*, dated December 2019.
5. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 9 October 2020 Monitoring Event*, dated December 2020.
6. Haley & Aldrich of New York. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, 25 October 2021 Monitoring Event*, dated February 2022.
7. Ish Inc. *Draft IRM Work Plan for In-situ Stabilization/Solidification to Control NAPL Seeps at the RG&E East Station Former Manufactured Gas Plant Site*, October 2003.
8. Ish Inc. *Installation and Monitoring of Groundwater Wells for Water Quality and NAPL at the East Station Site following the Completion of the ISS-IRM*, 4 September 2008.
9. Ish Inc. *Phase IV Interim Remedial Measure Completion Report for East Station ISS/IRM*, submitted to NYSDEC March 2009, Approved September 2009.
10. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York*, November 2009.
11. Ish Inc. *ISS IRM NAPL Monitoring and Recovery and Water Quality Monitoring Plan for the East Station former MGP Site*, Revised April 2010.
12. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 4 and 5, 2010 Monitoring Event*, June 2010.
13. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 12 and 13, 2010 Monitoring Event*, January 2011.

14. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 16, 17 and 18, 2011 Monitoring Event*, July 2011.
15. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 3 and 4, 2011 Monitoring Event*, January 2012.
16. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 14 and 15, 2012 Monitoring Event*, July 2012.
17. Ish Inc. *NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 17 and 18, 2012 Monitoring Event*, July 2012.
18. Ish Inc. *The proposed East Station 2013-2018 ISS IRM Monitoring Plan for groundwater level and NAPL gauging and recovery*, February 2013.
19. Ish Inc. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, for the monitoring period from January 2009 through December 2012*, February 2013.
20. Ish Inc. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, for the October 22-23, 2013 Monitoring Event*, dated December 2013.
21. Ish Inc. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, for the October 14, 2014 Monitoring Event*, dated December 2014.
22. Ish Inc. *NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, for the October 23, 2015 Monitoring Event*, dated November 2015.
23. New York Department of Environmental Conservation. *Record of Decision, RGE – East Station State Superfund Project, Rochester, Monroe County, Site No. 828204*, dated June 2022.

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TABLES

TABLE I
SUMMARY OF WELL GAUGING AND SAMPLING EVENTS
 RG&E EAST STATION FORMER MGP SITE
 ROCHESTER, NEW YORK

Well ID	October 13-15, 2008			February 9 and 10, 2009						May 18 and 19, 2009		August 17 and 18, 2009		November 17, 2009		May 4 and 5, 2010		
	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater
Shallow Bedrock Monitoring Wells																		
DW-1R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DW-3R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-3DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-5R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-8DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ISS Barrier Monitoring Wells																		
MW-2R	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
MW-4R	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
PZ-01R	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
Recovery Wells in the NAPL Collection Trench																		
RW-1	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-2	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-3	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-4	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-5	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-6	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-7	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-8	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-9	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-10	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-11	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-12	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-13	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-14	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-15	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-16	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-17	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-18	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-19	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-20	x	NS	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
Recovery Wells to the East of ISS IRM Area																		
RW-21	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-22	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-23	x	x	x	x	NS	x	x	NS	x	x	x	x	x	x	x	NG	NS	NG
Shallow Monitoring Wells to the East of ISS IRM Area																		
TPMW-1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	NG	NS	NG
TPMW-2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	NG	NS	NG

Notes:

x NAPL gauging and/or water quality analysis sampling performed

NS Not Sampled for water quality analysis

NG No NAPL gauging performed. These wells not included in the revised performance monitoring plan

TABLE I
SUMMARY OF WELL GAUGING AND SAMPLING EVENTS
 RG&E EAST STATION FORMER MGP SITE
 ROCHESTER, NEW YORK

Well ID	October 12 and 13, 2010			May 16-18, 2011						November 3 and 4, 2011			May 14 and 15, 2012			October 17 and 18, 2012		
	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater
Shallow Bedrock Monitoring Wells																		
DW-1R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DW-3R	x	x	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	x	x
MW-3DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-5R	x	x	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	x	x
MW-8DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ISS Barrier Monitoring Wells																		
MW-2R	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
MW-4R	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
PZ-01R	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
Recovery Wells in the NAPL Collection Trench																		
RW-1	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-2	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-3	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-4	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-5	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-6	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-7	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-8	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-9	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-10	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-11	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-12	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-13	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-14	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-15	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-16	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-17	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-18	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-19	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-20	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
Recovery Wells to the East of ISS IRM Area																		
RW-21	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-22	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-23	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG
Shallow Monitoring Wells to the East of ISS IRM Area																		
TPMW-1	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG
TPMW-2	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG

Notes:
 x NAPL gauging and/or water quality analysis sampling performed
 NS Not Sampled for water quality analysis
 NG No NAPL gauging performed. These wells not included in the revised performance monitoring plan

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SUMMARY OF WELL GAUGING AND SAMPLING EVENTS

RG&E EAST STATION FORMER MGP SITE
 ROCHESTER, NEW YORK

Well ID	October 22 and 23, 2013		October 14, 2014		October 23, 2015				October 27, 2016		October 23, 2017		October 30, 2018		October 29, 2019		
	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater
Shallow Bedrock Monitoring Wells																	
DW-1R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DW-3R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-3DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-5R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-8DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ISS Barrier Monitoring Wells																	
MW-2R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-4R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PZ-01R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Recovery Wells in the NAPL Collection Trench																	
RW-1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-6	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-7	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-9	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-11	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-12	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-13	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-14	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-15	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-16	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-17	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-18	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-19	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-20	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Recovery Wells to the East of ISS IRM Area																	
RW-21	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-22	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
RW-23	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Shallow Monitoring Wells to the East of ISS IRM Area																	
TPMW-1	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
TPMW-2	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG

Notes:

- x NAPL gauging and/or water quality analysis sampling performed
- NS Not Sampled for water quality analysis
- NG No NAPL gauging performed. These wells not included in the revised performance monitoring plan

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SUMMARY OF WELL GAUGING AND SAMPLING EVENTS

RG&E EAST STATION FORMER MGP SITE
 ROCHESTER, NEW YORK

Well ID	October 9, 2020		Well ID	October 25, 2021		Well ID	October 27, 2022		Well ID	October 25, 2023	
	NAPL Monitoring	Depth to Groundwater		NAPL Monitoring	Depth to Groundwater		NAPL Monitoring	Depth to Groundwater		NAPL Monitoring	Depth to Groundwater
Shallow Bedrock Monitoring Wells											
DW-1R	x	x	DW-1R	x	x	DW-1R	x	x	DW-1R	x	x
DW-3R	x	x	DW-3R	x	x	DW-3R	x	x	DW-3R	x	x
MW-3DR	x	x	MW-3DR	x	x	MW-3DR	x	x	MW-3DR	x	x
MW-5R	x	x	MW-5R	x	x	MW-5R	x	x	MW-5R	x	x
MW-8DR	x	x	MW-8DR	x	x	MW-8DR	x	x	MW-8DR	x	x
ISS Barrier Monitoring Wells											
MW-2R	x	x	MW-2R	x	x	MW-2R	x	x	MW-2R	x	x
MW-4R	x	x	MW-4R	x	x	MW-4R	x	x	MW-4R	x	x
PZ-01R	x	x	PZ-01R	x	x	PZ-01R	x	x	PZ-01R	x	x
Recovery Wells in the NAPL Collection Trench											
RW-1	x	x	RW-1	x	x	RW-1	x	x	RW-1	x	x
RW-2	x	x	RW-2	x	x	RW-2	x	x	RW-2	x	x
RW-3	x	x	RW-3	x	x	RW-3	x	x	RW-3	x	x
RW-4	x	x	RW-4	x	x	RW-4	x	x	RW-4	x	x
RW-5	x	x	RW-5	x	x	RW-5	x	x	RW-5	x	x
RW-6	x	x	RW-6	x	x	RW-6	x	x	RW-6	x	x
RW-7	x	x	RW-7	x	x	RW-7	x	x	RW-7	x	x
RW-8	x	x	RW-8	x	x	RW-8	x	x	RW-8	x	x
RW-9	x	x	RW-9	x	x	RW-9	x	x	RW-9	x	x
RW-10	x	x	RW-10	x	x	RW-10	x	x	RW-10	x	x
RW-11	x	x	RW-11	x	x	RW-11	x	x	RW-11	x	x
RW-12	x	x	RW-12	x	x	RW-12	x	x	RW-12	x	x
RW-13	x	x	RW-13	x	x	RW-13	x	x	RW-13	x	x
RW-14	x	x	RW-14	x	x	RW-14	x	x	RW-14	x	x
RW-15	x	x	RW-15	x	x	RW-15	x	x	RW-15	x	x
RW-16	x	x	RW-16	x	x	RW-16	x	x	RW-16	x	x
RW-17	x	x	RW-17	x	x	RW-17	x	x	RW-17	x	x
RW-18	x	x	RW-18	x	x	RW-18	x	x	RW-18	x	x
RW-19	x	x	RW-19	x	x	RW-19	x	x	RW-19	x	x
RW-20	x	x	RW-20	x	x	RW-20	x	x	RW-20	x	x
Recovery Wells to the East of ISS IRM Area											
RW-21	x	x	RW-21	x	x	RW-21	x	x	RW-21	x	x
RW-22	x	x	RW-22	x	x	RW-22	x	x	RW-22	x	x
RW-23	x	x	RW-23	x	x	RW-23	x	x	RW-23	x	x
Shallow Monitoring Wells to the East of ISS IRM Area											
TPMW-1	NG	NG	TPMW-1	NG	NG	TPMW-1	NG	NG	TPMW-1	NG	NG
TPMW-2	NG	NG	TPMW-2	NG	NG	TPMW-2	NG	NG	TPMW-2	NG	NG

Notes:

- x NAPL gauging and/or water quality analysis sampling performed
- NS Not Sampled for water quality analysis
- NG No NAPL gauging performed. These wells not included in the revised performance monitoring plan

**TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS**

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	October 13, 2008				February 9 and 10, 2009				May 18, 2009				August 17 and 18, 2009			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	14.61	NP	NP	386.43	9.43	NP	NP	391.61	10.26	TRACE	NP	390.78	10.31	NP	NP	390.73
DW-3R	407.42	18.90	NP	NP	388.52	16.26	NP	NP	391.16	15.97	NP	NP	391.45	15.56	NP	NP	391.86
MW-3DR	401.02	14.54	NP	NP	386.48	9.40	NP	NP	391.62	10.26	NP	NP	390.76	10.31	NP	NP	390.71
MW-5R	410.50	18.93	TRACE	NP	391.57	17.56	NP	NP	392.94	17.43	NP	NP	393.07	16.74	TRACE	NP	393.76
MW-8DR	411.63	20.64	NP	NP	390.99	17.74	NP	NP	393.89	18.16	NP	NP	393.47	17.17	NP	NP	394.46
ISS Barrier Monitoring Wells																	
MW-2R	401.62	15.28	NP	NP	386.34	1.10	NP	NP	400.52	10.89	NP	NP	390.73	10.94	NP	NP	390.68
MW-4R	403.25	14.83	NP	NP	388.42	11.42	NP	NP	391.83	11.58	TRACE	NP	391.67	11.07	NP	NP	392.18
PZ-01R	411.80	21.71	NP	NP	390.09	20.12	NP	NP	391.68	19.84	TRACE	NP	391.96	19.48	NP	NP	392.32
Recovery Wells																	
RW-1	412.71	18.38	NP	NP	394.33	16.81	NP	NP	395.90	18.15	NP	NP	394.56	17.47	NP	NP	395.24
RW-2	412.51	18.13	NP	NP	394.38	16.54	NP	NP	395.97	17.83	NP	NP	394.68	17.20	NP	NP	395.31
RW-3	412.35	17.94	NP	NP	394.41	16.35	NP	NP	396.00	17.70	NP	NP	394.65	17.00	NP	NP	395.35
RW-4	411.97	17.54	NP	NP	394.43	15.91	NP	NP	396.06	17.30	NP	NP	394.67	16.61	NP	NP	395.36
RW-5	411.86	17.22	NP	NP	394.64	17.80	0.03	NP	394.09	NM(4)	NM	NM	NM	16.47	0.04	NP	395.43
RW-6	410.17	16.03	NP	NP	394.14	14.06	NP	NP	396.11	15.51	NP	NP	394.66	15.29	NP	NP	394.88
RW-7	410.25	16.03	NP	NP	394.22	14.00	NP	NP	396.25	15.54	TRACE	NP	394.71	15.32	NP	NP	394.93
RW-8	407.69	13.61	NP	NP	394.08	11.55	NP	NP	396.14	12.97	NP	NP	394.72	12.76	NP	NP	394.93
RW-9	406.90	13.00	NP	NP	393.90	10.71	NP	NP	396.19	12.22	TRACE	NP	394.68	11.95	NP	NP	394.95
RW-10	405.53	12.17	NP	NP	393.36	9.34	NP	NP	396.19	10.93	NP	NP	394.60	10.66	NP	NP	394.87
RW-11	404.19	11.42	NP	NP	392.77	8.02	NP	NP	396.17	9.63	NP	NP	394.56	9.39	NP	NP	394.80
RW-12	403.60	11.23	TRACE	NP	392.37	7.65	NP	NP	395.95	9.08	NP	NP	394.52	8.80	NP	NP	394.80
RW-13	404.64	12.49	TRACE	NP	392.15	9.21	NP	NP	395.43	10.56	NP	NP	394.08	10.35	NP	NP	394.29
RW-14	401.72	9.51	NP	NP	392.21	6.70	NP	NP	395.02	7.67	NP	NP	394.05	7.45	NP	NP	394.27
RW-15	401.86	9.66	NP	NP	392.20	6.97	TRACE	NP	394.89	7.86	NP	NP	394.00	7.66	NP	NP	394.20
RW-16	402.08	9.82	NP	NP	392.26	7.17	NP	NP	394.91	8.06	NP	NP	394.02	7.85	NP	NP	394.23
RW-17	402.02	9.75	NP	NP	392.27	7.16	NP	NP	394.86	8.00	NP	NP	394.02	7.80	NP	NP	394.22
RW-18	402.49	10.25	NP	NP	392.24	7.61	NP	NP	394.88	8.47	NP	NP	394.02	8.27	NP	NP	394.22
RW-19	402.43	10.18	NP	NP	392.25	7.52	TRACE	NP	394.91	8.43	NP	NP	394.00	8.23	NP	NP	394.20
RW-20	406.02	13.74	NP	NP	392.28	11.12	NP	NP	394.90	12.00	NP	NP	394.02	11.80	NP	NP	394.22
RW-21	403.25	11.03	NP	NP	392.22	7.11	NP	NP	396.14	8.93	TRACE	NP	394.32	8.71	NP	NP	394.54
RW-22	403.64	11.56	NP	NP	392.08	7.54	NP	NP	396.10	9.34	TRACE	NP	394.30	9.14	NP	NP	394.50
RW-23	413.72	16.13	NP	NP	397.59	14.00	NP	NP	399.72	14.86	NP	NP	398.86	14.52	NP	NP	399.20
Shallow Monitoring Wells																	
TPMW-1	419.06	19.54	NP	NP	399.52	17.65	NP	NP	401.41	18.17	NP	NP	400.89	17.60	NP	NP	401.46
TPMW-2	414.79	17.46	NP	NP	397.33	11.47	TRACE	NP	403.32	15.72	NP	NP	399.07	15.62	NP	NP	399.17

- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	November 17, 2009				May 4 and 5, 2010				October 12 and 13, 2010				May 16, 2011			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	10.39	TRACE	NP	390.65	10.21	NP	NP	390.83	10.33	NP	NP	390.71	10.12	NP	NP	390.92
DW-3R	407.42	15.55	NP	NP	391.87	15.65	NP	0.33 (5)	391.77	15.50	NP	0.05	391.92	14.09	NP	0.02	393.33
MW-3DR	401.02	11.33	NP	NP	389.69	10.20	NP	NP	390.82	9.86	NP	NP	391.16	10.15	NP	NP	390.87
MW-5R	410.50	17.32	NP	NP	393.18	17.04	NP	0.21	393.46	17.08	NP	0.10	393.42	15.63	NP	0.08	394.87
MW-8DR	411.63	18.11	NP	NP	393.52	18.00	NP	NP	393.63	18.65	NP	NP	392.98	17.48	NP	NP	394.15
ISS Barrier Monitoring Wells																	
MW-2R	401.62	10.87	NP	NP	390.75	10.75	NP	NP	390.87	10.45	NP	NP	391.17	10.88	NP	NP	390.74
MW-4R	403.25	11.59	NP	NP	391.66	11.31	NP	NP	391.94	11.16	NP	NP	392.09	10.49	NP	NP	392.76
PZ-01R	411.80	19.51	TRACE	NP	392.29	19.40	NP	NP	392.40	18.85	NP	NP	392.95	18.30	NP	NP	393.50
Recovery Wells																	
RW-1	412.71	17.49	NP	NP	395.22	17.55	NP	NP	395.16	16.91	NP	NP	395.80	15.05	NP	NP	397.66
RW-2	412.51	17.52	NP	NP	394.99	17.26	NP	NP	395.25	16.65	NP	NP	395.86	14.25	NP	NP	398.26
RW-3	412.35	17.54	NP	NP	394.81	17.05	NP	NP	395.30	16.45	NP	NP	395.90	14.41	NP	NP	397.94
RW-4	411.97	16.96	NP	NP	395.01	16.66	NP	NP	395.31	16.03	NP	NP	395.94	14.05	NP	NP	397.92
RW-5	411.86	16.64	0.08	NP	395.30	16.62	0.07	1.35	395.31	16.10	0.15	NP	395.91	13.81	0.08	NP	398.13
RW-6	410.17	15.45	NP	NP	394.72	14.68	NP	NP	395.49	14.31	NP	NP	395.86	12.08	NP	NP	398.09
RW-7	410.25	15.53	NP	NP	394.72	14.72	NP	TRACE	395.53	14.30	NP	NP	395.95	12.11	NP	NP	398.14
RW-8	407.69	12.97	NP	NP	394.72	12.11	NP	NP	395.58	11.74	NP	NP	395.95	9.54	NP	NP	398.15
RW-9	406.90	12.26	NP	NP	394.64	11.35	NP	NP	395.55	10.90	NP	NP	396.00	8.76	NP	NP	398.14
RW-10	405.53	10.95	NP	NP	394.58	9.95	NP	NP	395.58	9.55	NP	NP	395.98	7.34	NP	NP	398.19
RW-11	404.19	9.69	NP	NP	394.50	8.66	TRACE	NP	395.53	8.26	NP	NP	395.93	6.05	NP	TRACE	398.14
RW-12	403.60	9.06	NP	NP	394.54	8.07	NP	NP	395.53	7.65	NP	NP	395.95	5.40	NP	TRACE	398.20
RW-13	404.64	10.43	NP	NP	394.21	9.57	NP	TRACE	395.07	9.11	NP	NP	395.53	6.98	NP	NP	397.66
RW-14	401.72	7.90	NP	NP	393.82	6.68	NP	NP	395.04	6.20	NP	NP	395.52	4.16	NP	NP	397.56
RW-15	401.86	8.16	NP	NP	393.70	6.82	NP	TRACE	395.04	6.35	NP	NP	395.51	4.31	NP	NP	397.55
RW-16	402.08	7.96	NP	NP	394.12	7.01	NP	NP	395.07	6.58	NP	NP	395.50	4.54	NP	NP	397.54
RW-17	402.02	7.84	NP	NP	394.18	6.97	NP	NP	395.05	6.51	NP	NP	395.51	4.49	NP	NP	397.53
RW-18	402.49	9.03	NP	NP	393.46	7.50	NP	NP	394.99	7.03	NP	NP	395.46	4.95	NP	NP	397.54
RW-19	402.43	8.30	NP	NP	394.13	7.45	NP	NP	394.98	7.00	NP	NP	395.43	5.93	NP	TRACE	396.50
RW-20	406.02	11.85	NP	NP	394.17	10.95	NP	NP	395.07	10.51	NP	NP	395.51	8.46	NP	TRACE	397.56
RW-21	403.25	8.93	TRACE	NP	394.32	7.83	NP	NP	395.42	7.42	NP	NP	395.83	5.06	NP	NP	398.19
RW-22	403.64	9.35	TRACE	NP	394.29	8.30	NP	NP	395.34	7.88	NP	NP	395.76	5.56	NP	NP	398.08
RW-23	413.72	9.84	NP	NP	403.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Shallow Monitoring Wells																	
TPMW-1	419.06	18.74	NP	NP	400.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	16.09	NP	NP	398.70	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	November 3, 2011				May 14, 2012				October 17, 2012				October 22 and 23, 2013			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	11.58	NP	NP	389.46	10.25	NP	NP	390.79	10.95	NP	NP	390.09	9.69	NP	NP	391.35
DW-3R	407.42	15.35	NP	0.40	392.07	15.28	NP	0.30	392.14	15.51	NP	0.17	391.91	14.37	NP	0.3	393.05
MW-3DR	401.02	11.56	NP	NP	389.46	10.22	NP	NP	390.80	10.92	NP	NP	390.10	9.62	NP	NP	391.40
MW-5R	410.50	16.15	NP	0.10	394.35	16.31	NP	0.35	394.19	16.73	NP	TRACE	393.77	16.51	NP	0.3	393.99
MW-8DR	411.63	18.15	NP	NP	393.48	17.98	NP	NP	393.65	18.71	NP	NP	392.92	17.95	NP	NP	393.68
ISS Barrier Monitoring Wells																	
MW-2R	401.62	12.15	NP	NP	389.47	10.81	NP	NP	390.81	12.55	NP	NP	389.07	10.24	NP	NP	391.38
MW-4R	403.25	11.38	NP	NP	391.87	11.11	NP	NP	392.14	11.91	NP	NP	391.34	10.86	NP	NP	392.39
PZ-01R	411.80	20.09	NP	NP	391.71	19.19	NP	NP	392.61	19.35	NP	NP	392.45	18.95	NP	NP	392.85
Recovery Wells																	
RW-1	412.71	15.65	NP	NP	397.06	16.15	NP	NP	396.56	17.10	NP	NP	395.61	17.15	NP	NP	395.56
RW-2	412.51	15.41	NP	NP	397.10	15.90	NP	NP	396.61	16.88	NP	NP	395.63	16.86	NP	NP	395.65
RW-3	412.35	15.19	NP	NP	397.16	15.70	NP	NP	396.65	16.65	NP	NP	395.70	16.69	NP	NP	395.66
RW-4	411.97	14.75	NP	NP	397.22	15.20	NP	NP	396.77	16.27	NP	NP	395.70	16.31	NP	NP	395.66
RW-5	411.86	14.70	0.80	NP	397.96	15.25	0.15	NP	396.76	16.21	0.17	NP	395.82	16.5	0.3	NP	395.36
RW-6	410.17	12.95	NP	NP	397.22	13.45	NP	NP	396.72	14.50	NP	NP	395.67	14.49	NP	0.2	395.68
RW-7	410.25	14.99	NP	NP	395.26	13.48	NP	NP	396.77	14.54	NP	NP	395.71	14.53	NP	NP	395.72
RW-8	407.69	10.29	NP	NP	397.40	10.75	NP	NP	396.94	11.90	NP	NP	395.79	11.95	NP	NP	395.74
RW-9	406.90	9.57	NP	NP	397.33	10.05	NP	NP	396.85	11.07	NP	NP	395.83	11.15	NP	TRACE	395.75
RW-10	405.53	8.87	NP	NP	396.66	8.65	NP	NP	396.88	9.71	NP	TRACE	395.82	9.85	NP	TRACE	395.68
RW-11	404.19	6.66	NP	NP	397.53	7.30	TRACE	NP	396.89	8.38	NP	TRACE	395.81	8.48	NP	TRACE	395.71
RW-12	403.60	6.15	NP	NP	397.45	6.75	NP	NP	396.85	7.81	NP	NP	395.79	7.85	NP	NP	395.75
RW-13	404.64	7.75	NP	NP	396.89	8.50	NP	NP	396.14	9.13	NP	TRACE	395.51	9.09	NP	NP	395.55
RW-14	401.72	4.95	NP	NP	396.77	5.30	NP	NP	396.42	6.25	NP	NP	395.47	6.25	NP	NP	395.47
RW-15	401.86	5.11	NP	NP	396.75	5.45	NP	NP	396.41	9.47	NP	TRACE	392.39	6.43	NP	NP	395.43
RW-16	402.08	5.32	NP	NP	396.76	5.70	NP	NP	396.38	9.65	NP	NP	392.43	6.54	NP	NP	395.54
RW-17	402.02	5.28	NP	NP	396.74	5.65	NP	NP	396.37	6.61	NP	NP	395.41	6.51	NP	NP	395.51
RW-18	402.49	5.79	NP	NP	396.70	6.15	NP	NP	396.34	7.05	NP	NP	395.44	7.00	NP	NP	395.49
RW-19	402.43	5.73	NP	NP	396.70	6.05	NP	NP	396.38	7.03	NP	NP	395.40	6.93	NP	NP	395.5
RW-20	406.02	9.27	NP	NP	396.75	9.65	NP	NP	396.37	10.58	NP	NP	395.44	10.50	NP	NP	395.52
RW-21	403.25	5.85	NP	NP	397.40	6.40	NP	NP	396.85	7.51	NP	NP	395.74	7.52	NP	NP	395.73
RW-22	403.64	6.34	NP	NP	397.30	6.80	TRACE	NP	396.84	7.98	NP	TRACE	395.66	7.96	NP	NP	395.68
RW-23	413.72	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Shallow Monitoring Wells																	
TPMW-1	419.06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

**TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS**

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	October 14, 2014				October 23, 2015				October 27, 2016				October 23, 2017			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	9.58	NP	NP	391.46	9.64	NP	NP	391.40	9.36	NP	NP	391.68	9.38	NP	NP	391.66
DW-3R	407.42	14.31	NP	0.05	393.11	14.30	NP	0.05	393.12	14.58	NP	0.62	392.84	14.19	NP	1.32	393.23
MW-3DR	401.02	9.58	NP	NP	391.44	9.61	NP	NP	391.41	9.51	NP	NP	391.51	9.71	NP	NP	391.31
MW-5R	410.50	16.41	NP	0.03	394.09	16.36	0.01	0.55	394.14	16.10	NP	NP	394.40	16.22	NP	TRACE	394.28
MW-8DR	411.63	18.18	NP	NP	393.45	18.09	NP	NP	393.54	16.59	NP	NP	395.04	16.50	NP	NP	395.13
ISS Barrier Monitoring Wells																	
MW-2R	401.62	10.11	NP	NP	391.51	10.27	NP	NP	391.35	10.12	NP	NP	391.50	10.23	NP	NP	391.39
MW-4R	403.25	10.75	NP	NP	392.50	11.14	NP	NP	392.11	10.98	NP	NP	392.27	11.90	NP	NP	391.35
PZ-01R	411.80	18.83	NP	NP	392.97	18.83	NP	NP	392.97	19.19	NP	NP	392.61	18.81	NP	NP	392.99
Recovery Wells																	
RW-1	412.71	17.38	NP	NP	395.33	16.30	NP	NP	396.41	16.59	NP	NP	396.12	15.66	NP	NP	397.05
RW-2	412.51	17.14	NP	NP	395.37	16.05	NP	NP	396.46	16.34	NP	NP	396.17	15.40	NP	NP	397.11
RW-3	412.35	16.95	NP	NP	395.40	15.86	NP	NP	396.49	16.13	NP	NP	396.22	15.22	NP	NP	397.13
RW-4	411.97	16.57	NP	NP	395.40	15.46	NP	NP	396.51	16.76	NP	NP	395.21	15.80	NP	NP	396.17
RW-5	411.86	16.43	0.01	NP	395.43	15.39	0.01	NP	396.47	15.45	0.5	NP	396.41	14.71	0.01	NP	397.16
RW-6	410.17	14.64	NP	NP	395.53	13.66	NP	NP	396.51	14.00	NP	NP	396.17	13.05	NP	NP	397.12
RW-7	410.25	14.69	NP	NP	395.56	13.68	NP	NP	396.57	14.03	NP	NP	396.22	13.50	NP	NP	396.75
RW-8	407.69	12.12	NP	NP	395.57	11.06	NP	NP	396.63	11.41	NP	NP	396.28	10.63	NP	NP	397.06
RW-9	406.90	11.30	NP	NP	395.60	10.30	NP	NP	396.60	10.62	NP	NP	396.28	9.65	NP	NP	397.25
RW-10	405.53	9.33	NP	NP	396.20	8.91	NP	NP	396.62	9.25	NP	NP	396.28	8.51	NP	NP	397.02
RW-11	404.19	8.60	NP	NP	395.59	7.59	NP	NP	396.60	7.93	NP	NP	396.26	7.00	NP	NP	397.19
RW-12	403.60	8.02	NP	NP	395.58	6.98	NP	NP	396.62	5.43	NP	NP	398.17	6.40	NP	NP	397.20
RW-13	404.64	9.22	NP	NP	395.42	8.20	NP	NP	396.44	8.65	NP	NP	395.99	7.77	NP	NP	396.87
RW-14	401.72	6.32	NP	NP	395.40	5.28	NP	NP	396.44	5.75	NP	NP	395.97	4.94	NP	NP	396.78
RW-15	401.86	6.48	NP	NP	395.38	5.48	NP	NP	396.38	5.94	NP	NP	395.92	5.12	NP	NP	396.74
RW-16	402.08	6.66	NP	NP	395.42	5.67	NP	NP	396.41	6.13	NP	NP	395.95	5.73	NP	NP	396.35
RW-17	402.02	6.61	NP	NP	395.41	5.62	NP	NP	396.40	6.06	NP	NP	395.96	5.80	NP	NP	396.22
RW-18	402.49	7.10	NP	NP	395.39	6.09	NP	NP	396.40	6.55	NP	NP	395.94	5.81	NP	NP	396.68
RW-19	402.43	7.05	NP	NP	395.38	6.05	NP	NP	396.38	6.53	NP	NP	395.90	6.10	NP	NP	396.33
RW-20	406.02	10.61	NP	NP	395.41	9.64	NP	NP	396.38	10.09	NP	NP	395.93	9.29	NP	NP	396.73
RW-21	403.25	7.64	NP	NP	395.61	6.50	NP	NP	396.75	6.65	NP	NP	396.60	6.05	NP	NP	397.20
RW-22	403.64	8.08	NP	NP	395.56	6.95	NP	NP	396.69	7.44	NP	NP	396.20	6.58	NP	NP	397.06
RW-23	413.72	15.19	NP	NP	398.53	14.53	NP	NP	399.19	15.44	NP	NP	398.28	14.26	NP	NP	399.46
Shallow Monitoring Wells																	
TPMW-1	419.06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	October 30, 2018				October 29, 2019				October 9, 2020				October 25, 2021			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	13.32	SHEEN	NP	387.72	15.56	NP	NP	385.48	17.17	NP	NP	383.87	15.27	NP	NP	385.77
DW-3R	407.42	17.82	NP	TRACE	389.60	19.08	NP	NP	388.34	20.50	NP	0.29	386.92	19.05	NP	TRACE	388.37
MW-3DR	401.02	12.94	NP	NP	388.08	15.49	NP	NP	385.53	17.37	NP	NP	383.65	15.57	NP	NP	385.45
MW-5R	410.50	19.22	NP	NP	391.28	19.61	NP	NP	390.89	20.13	NP	NP	390.37	18.72	NP	NP	391.78
MW-8DR	411.63	17.02	NP	NP	394.61	22.00	NP	NP	389.63	22.88	NP	NP	388.75	20.08	NP	NP	391.55
ISS Barrier Monitoring Wells																	
MW-2R	401.62	15.89	NP	NP	385.73	17.02	NP	NP	384.60	Dry	NP	NP	Dry	15.79	NP	NP	385.83
MW-4R	403.25	12.95	NP	NP	390.30	15.38	NP	NP	387.87	16.15	NP	NP	387.10	14.11	NP	NP	389.14
PZ-01R	411.80	17.23	NP	NP	394.57	21.84	NP	NP	389.96	21.84	NP	NP	389.96	20.89	NP	NP	390.91
Recovery Wells																	
RW-1	412.71	21.15	NP	NP	391.56	18.09	NP	NP	394.62	19.30	NP	NP	393.41	16.04	NP	NP	396.67
RW-2	412.51	17.40	NP	NP	395.11	17.88	NP	NP	394.63	19.09	NP	NP	393.42	15.80	NP	NP	396.71
RW-3	412.35	17.28	NP	NP	395.07	17.70	NP	NP	394.65	18.91	NP	NP	393.44	15.59	NP	NP	396.76
RW-4	411.97	16.84	NP	NP	395.13	17.25	NP	NP	394.72	18.18	NP	NP	393.79	15.21	NP	NP	396.76
RW-5	411.86	16.75	NP	NP	395.11	17.10	NP	SHEEN	394.76	17.57	NP	0.24	394.29	17.51	NP	2.41	394.35
RW-6	410.17	14.81	NP	NP	395.36	14.84	NP	NP	395.33	15.51	NP	NP	394.66	13.43	NP	NP	396.74
RW-7	410.25	14.80	NP	NP	395.45	14.89	NP	NP	395.36	15.61	NP	NP	394.64	13.47	NP	NP	396.78
RW-8	407.69	12.20	NP	NP	395.49	12.33	NP	NP	395.36	13.02	NP	NP	394.67	10.89	NP	NP	396.80
RW-9	406.90	11.40	NP	NP	395.50	11.51	NP	NP	395.39	12.35	NP	NP	394.55	10.07	NP	NP	396.83
RW-10	405.53	10.06	NP	NP	395.47	10.13	NP	NP	395.40	11.01	NP	NP	394.52	8.71	NP	NP	396.82
RW-11	404.19	8.97	NP	NP	395.22	8.87	NP	NP	395.32	9.69	NP	NP	394.50	7.40	NP	NP	396.79
RW-12	403.60	8.19	NP	NP	395.41	8.28	NP	NP	395.32	9.14	NP	NP	394.46	6.80	NP	NP	396.80
RW-13	404.64	9.40	NP	NP	395.24	9.44	NP	NP	395.20	10.46	NP	NP	394.18	7.82	NP	NP	396.82
RW-14	401.72	6.44	NP	NP	395.28	6.58	NP	NP	395.14	7.60	NP	NP	394.12	5.05	NP	NP	396.67
RW-15	401.86	6.71	NP	NP	395.15	6.75	NP	NP	395.11	7.74	NP	NP	394.12	5.22	NP	NP	396.64
RW-16	402.08	6.92	NP	NP	395.16	6.95	NP	NP	395.13	7.89	NP	NP	394.19	5.53	NP	NP	396.55
RW-17	402.02	6.85	NP	NP	395.17	6.90	NP	NP	395.12	7.86	NP	NP	394.16	5.34	NP	NP	396.68
RW-18	402.49	8.35	NP	NP	394.14	7.39	NP	NP	395.10	8.33	NP	NP	394.16	5.86	NP	NP	396.63
RW-19	402.43	7.34	NP	NP	395.09	7.34	NP	NP	395.09	8.24	NP	NP	394.19	5.82	NP	NP	396.61
RW-20	406.02	11.81	NP	NP	394.21	10.90	NP	NP	395.12	11.88	NP	NP	394.14	9.97	NP	NP	396.05
RW-21	403.25	7.81	NP	NP	395.44	7.91	NP	NP	395.34	8.99	NP	NP	394.26	6.75	NP	NP	396.50
RW-22	403.64	8.31	NP	NP	395.33	8.40	NP	NP	395.24	9.45	NP	NP	394.19	6.75	NP	NP	396.89
RW-23	413.72	14.68	NP	NP	399.04	16.03	NP	NP	397.69	16.54	NP	NP	397.18	15.45	NP	NP	398.27
Shallow Monitoring Wells																	
TPMW-1	419.06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

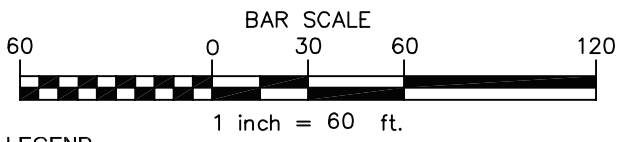
**TABLE II
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS**

RG&E EAST STATION FORMER MGP SITE
ROCHESTER, NEW YORK








Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	October 27, 2022				October 25, 2023			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells									
DW-1R	401.04	10.32	NP	NP	390.72	10.40	NP	NP	380.32
DW-3R	407.42	15.12	NP	NP	392.30	15.11	NP	NP	377.19
MW-3DR	401.02	10.34	NP	NP	390.68	10.42	NP	NP	380.26
MW-5R	410.50	17.17	TRACE	NP	393.33	17.00	TRACE	NP	376.33
MW-8DR	411.63	18.74	NP	NP	392.89	19.89	NP	NP	373.00
ISS Barrier Monitoring Wells									
MW-2R	401.62	11.00	NP	NP	390.62	11.10	NP	NP	379.52
MW-4R	403.25	11.83	NP	NP	391.42	11.04	NP	NP	380.38
PZ-01R	411.80	20.00	NP	NP	391.80	19.63	NP	NP	372.17
Recovery Wells									
RW-1	412.71	17.12	NP	NP	395.59	16.71	NP	NP	378.88
RW-2	412.51	16.91	NP	NP	395.60	16.46	NP	NP	379.14
RW-3	412.35	16.70	NP	NP	395.65	16.27	NP	NP	379.38
RW-4	411.97	16.23	NP	NP	395.74	15.89	NP	NP	379.85
RW-5	411.86	16.46	NP	0.24	395.40	15.79	0.04	NP	379.61
RW-6	410.17	14.52	NP	NP	395.65	14.10	NP	NP	381.55
RW-7	410.25	14.58	NP	NP	395.67	14.12	NP	NP	381.55
RW-8	407.69	11.96	NP	NP	395.73	11.49	NP	NP	384.24
RW-9	406.90	11.20	NP	NP	395.70	10.75	NP	NP	384.95
RW-10	405.53	9.84	NP	NP	395.69	9.36	NP	NP	386.33
RW-11	404.19	8.53	NP	NP	395.66	8.02	TRACE	NP	387.64
RW-12	403.60	6.93	NP	NP	396.67	7.43	NP	NP	389.24
RW-13	404.64	9.25	NP	NP	395.39	8.59	NP	NP	386.80
RW-14	401.72	6.43	NP	NP	395.29	5.79	NP	NP	389.50
RW-15	401.86	6.59	NP	NP	395.27	5.96	NP	NP	389.31
RW-16	402.08	6.81	NP	NP	395.27	6.15	NP	NP	389.12
RW-17	402.02	6.74	NP	NP	395.28	6.14	NP	NP	389.14
RW-18	402.49	7.25	NP	NP	395.24	6.61	NP	NP	388.63
RW-19	402.43	7.16	NP	NP	395.27	6.53	NP	NP	388.74
RW-20	406.02	10.75	NP	NP	395.27	10.12	NP	NP	385.15
RW-21	403.25	7.68	NP	NP	395.57	6.96	NP	NP	388.61
RW-22	403.64	8.11	NP	NP	395.53	7.42	NP	NP	388.11
RW-23	413.72	15.98	NP	NP	397.74	14.99	NP	NP	382.75
Shallow Monitoring Wells									
TPMW-1	419.06	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM	NM	NM	NM	NM

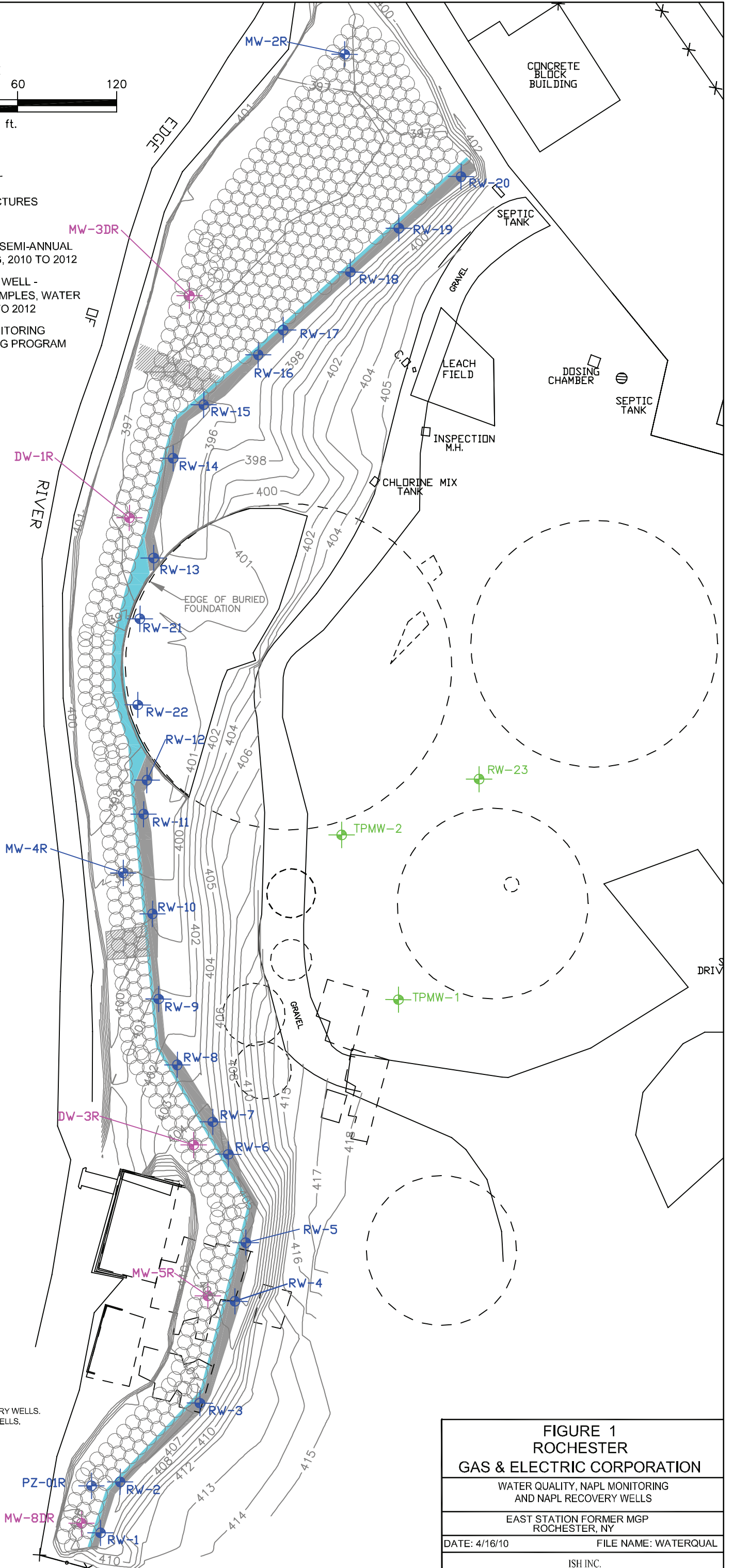
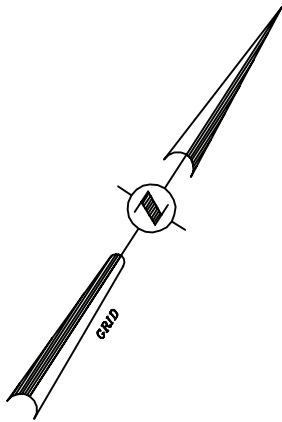
- Notes:**
- (1) TOC - top of casing
 - (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
 - (3) NP - Not Present
 - (4) NM - Not Measured
 - (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

FIGURE



LEGEND

-  NAPL COLLECTION TRENCH
-  CEMENT BENTONITE SLURRY WALL
-  APPROXIMATE LOCATION OF FOUNDATIONS OF FORMER STRUCTURES
-  ISS COLUMN
-  RECOVERY WELLS/PIEZOMETER - SEMI-ANNUAL WATER LEVEL AND NAPL GAUGING, 2010 TO 2012
-  SHALLOW BEDROCK MONITORING WELL - SEMI-ANNUAL WATER QUALITY SAMPLES, WATER LEVEL AND NAPL GAUGING, 2010 TO 2012
-  RECOVERY WELLS/SHALLOW MONITORING WELLS - NOT PART OF MONITORING PROGRAM



NOTES:

1. RW-1 THROUGH RW-20 ARE 8-INCH DIAMETER RECOVERY WELLS.
2. RW-21 AND RW-23 ARE 6-INCH DIAMETER RECOVERY WELLS.
3. THE TPMW AND SHALLOW BEDROCK MONITORING WELLS ARE 2-INCH DIAMETER WELLS.

FIGURE 1 ROCHESTER GAS & ELECTRIC CORPORATION	
WATER QUALITY, NAPL MONITORING AND NAPL RECOVERY WELLS	
EAST STATION FORMER MGP ROCHESTER, NY	
DATE: 4/16/10	FILE NAME: WATERQUAL
ISH INC.	