The Chemours Company
P.O. Box 788
Lewiston, NY 14092

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May 28, 2021

Mr. Stanley Radon
New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Dear Mr. Radon:

NIAGARA PLANT FIRST QUARTER 2021 DATA PACKAGE

Enclosed is the Groundwater Remediation System First Quarter 2021 (1Q21) Data Package for the Chemours Niagara Plant pursuant to Order on Consent No. B9-0206-87-09. The data package includes an operational summary, potentiometric surface contour maps, and process sample analytical data for 1Q21.

Pumping well uptime was 99.9 percent for the original GWRS pumping wells, 99.7 percent for pumping well PW-37, and 99.7 percent for PW-39 during 1Q21. There were no scheduled or unscheduled system shutdowns greater than 24 hours in 1Q21. No pumping wells were down for greater than 48 consecutive hours during the quarter.

Please contact me at (716) 221-4723 if you have any questions or comments regarding this submittal.

Sincerely,

Chemours

Paul F. Mazierski
Project Director

PFM/EAF
Enc. NIAGARA 1Q21 Data Package

cc: Brain Sadowski/NYSDEC (elec.)
Charlotte Bethoney/NYSDOH (elec.)
Dawn Hettrick/NYSDOH (elec.)
Chemours Records Retentions (elec.)

GROUNDWATER REMEDIATION SYSTEM
FIRST QUARTER 2021
GROUNDWATER MONITORING DATA PACKAGE
CHEMOURS NIAGARA PLANT
NIAGARA FALLS, NIAGARA COUNTY, NEW YORK

Prepared For:

THE CHEMOURS COMPANY FC LLC
CORPORATE REMEDIATION GROUP

P.O. Box 788
Lewiston, NY 14092

Prepared By:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
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May 2021

TABLE OF CONTENTS

SECTION 1

DATA PACKAGE SUMMARY

1.1 INTRODUCTION

This data package presents a summary of operating and monitoring data collected during the first quarter of 2021 (1Q21) for groundwater remediation measures at the Chemours Niagara Plant (the Plant) in Niagara Falls, New York. The Niagara Plant remediation program was implemented pursuant to an Administrative Consent Order with the New York State Department of Environmental Conservation (NYSDEC), Index Number B9-0206-87-09. This Data Package also includes the Silicone Oil Remediation First Quarter Progress Report.

Tables 1 through 6 provide information related to the quarterly sampling program and operational statistics. Figures 1 through 5 provide groundwater potentiometric maps. Appendix A through C provide supporting data.

1.2 OPERATIONAL SUMMARY

Pumping well uptime was 99.9 percent for the original GWRS pumping wells, 99.7 percent for pumping well PW-37, and 99.7 percent for PW-39 during 1Q21. There were no scheduled or unscheduled system shutdowns greater than 24 hours in 1Q21. No pumping wells were down for greater than 48-hours and no well pumps required replacement during 1Q21.

From an operations standpoint, the air strippers effectively remove organics from groundwater. The refined indicator parameters for process sampling are summarized in Table 1. It is estimated that 1,428 pounds of volatile organic compounds were removed from groundwater during operation of the Groundwater Remediation System (GWRS) in 1Q21 (see Tables 2 and 3). Historical organic compound removal by the GWRS is summarized in Table 4.

Olin Production Well uptime was 100.0 percent during 1Q21. Beginning in 2020, under an intercompany agreement, slightly higher average pumping rates are being implemented during the summer months for Olin non-contact cooling water production needs. Organics removal at the Olin Production Well treatment system was estimated to be 641.5 pounds for 1Q21 (see Tables 2 and 5). Estimated organic compound removal for the Olin Production Well from October 1992 through March 2021 is approximately 48,757 pounds (Table 5).

Point source contaminant loading rates are provided in Table 6. Loading to the Niagara Falls Wastewater Facility (NFWWF) from Outfall 023 is estimated to have been 0.57 pounds of organics per day during 1Q21. Since effluent discharged through this outfall is treated at the NFWWF, this represents an additional 52 pounds of organics (Table 2) that were removed and treated during 1Q21.

Groundwater elevation data collected during 1Q21 indicated that inward hydraulic gradients exist in the A-Zone throughout most plant areas while the GWRS is operating, thereby decreasing off-plant groundwater flow. Inward gradients are coincident with the southern border of the West

Plant along Staub Road in both the A-Zone overburden (Figure 1) and A-Zone top-of-rock (Figure 2) and are largely attributed to pumping of the two BFBTs.

Investigation and recovery activities related to Silicone Oil Recovery have been conducted in accordance with the technical scope of work submitted on July 21, 1999 and approved by NYSDEC on August 26, 1999. During 1Q21, no silicone oil was observed in PW-20 and 9.5 gallons were recovered from PW-24 (Appendix C). Silicone oil has never been observed at PW-22 since inspections began at this location in 3Q00. To date, 64 gallons and 2,095.0 gallons of Silicone Oil have been recovered from PW-20 and PW-24 respectively. A total of 2,159.0 gallons of silicone oil have been removed from GWRS pumping wells since recovery began in June 1999.

TABLES

Table 1

Refined Indicator Parameters
First Quarter 2021
Chemours Niagara

Volatiles	Base/Neutrals[1]
Benzene	1,4-dichlorobutane
Carbon tetrachloride	bis(2-ethylhexyl)phthalate
Chlorobenzene	Naphthalene
Chloroform	1,2-dichlorobenzene
Chloromethane	1,4-dichlorobenzene
1,1-dichloroethane	Hexachlorobutadiene
1,1-dichloroethene	Hexachloroethane
trans-1,2-dichloroethene	**Pesticides/PCBs[1]**
cis-1,2-dichloroethene	alpha-BHC
Methylene chloride	beta-BHC
1,1,2,2-tetrachloroethane	delta-BHC
Tetrachloroethene	gamma-BHC
Tetrahydrothiophene	Total PCBs
Toluene	
1,1,1-trichloroethane	
1,1,2-trichloroethane	
Trichloroethene	
Vinyl chloride	
Inorganics and Other Parameters	
Total cyanide[1]	
Soluble barium[1]	
pH*	
Temperature*	
Specific Gravity*	
Specific Conductivity*	

[1] Analyses required once per year for these parameters on select samples.

* Field measurement

Table 2

GWRS Operations Statistics
First Quarter 2021
Chemours Niagara

Treatment System Operations	
GWRS	
Original 23 Pumping Wells System Uptime	99.9%
Pumping Well 37 Uptime	99.7%
Pumping Well 39 Uptime	99.7%
Total Gallons Pumped	2,327,342
Average System Pumping Rate for Quarter (GPM)	18.6
Estimated Pounds of Organics Treated	1,428
Number of unscheduled treatment shutdowns (> 24 hours)	0
Number of scheduled treatment shutdowns (> 24 hours)	0
Olin System	
Pumping System Uptime	100.0%
Estimated Pounds of Organics Treated	641.5
Carbon vessel changes	3
V-2 2/11/21	
V-3 2/11/21	
V-4 2/11/21	
Outfall 023	
Estimated Pounds of Organics Treated	52

GWRS Pumping Well Operations	
Total Pump Replacements:	0
Number of Individual Pumps down > 48 hours:	0

Table 3

Total Volatile Organic Compounds Removed by GWRS
First Quarter 2021
Chemours Niagara

Quarterly Total Flow (gallons)	Influent Total VOC Concentration (µg/l)	Effluent Total VOC Concentration (µg/l)	Estimated VOC Removal (lbs.)
2,327,342	73,620	*14.9*	1,428

Note: Italisized values are an average of sample result and duplicate sample result.

Table 4

Summary of Organic Compounds Removed by GWRS
First Quarter 2021
Chemours Niagara

Time Period	Estimated Organic Removal (lbs)[1]	
1991[2]	4,700	
1992	10,350	
1993	7,220	
1994	7,320	
1995	7,840	
1996	9,436	
1997	6,463	
1998	7,000	
1999	3,382	
2000	3,010	
2001	3,224	
2002	3,848	
2003	2,820	
2004	2,645	
2005	2,237	
2006	11,589	
2007	8,678	
2008	7,932	
2009	12,128	
2010	7,854	
2011	9,004	
2012	8,453	
2013	9,433	
2014	8,567	
2015	8,255	
2016	6,629	
2017	10,815	
1Q18	1,454	2018 Total 5,794
2Q18	1,410	
3Q18	1,321	
4Q18	1,609	
1Q19	1,357	2019 Total 5,635
2Q19	1,393	
3Q19	1,389	
4Q19	1,496	
1Q20	1,208	2020 Total 7,117
2Q20	1,300	
3Q20	1,583	
4Q20	1,598	
1Q21	1,428	
TOTAL	**209,378**	

[1] Estimated based on influent/effluent data and daily groundwater flow rates, except as noted.

[2] Estimated based on influent/effluent data and instantaneous flow to treatment system.

Table 5

Summary of Organic Compounds Removed by Olin Production Well
First Quarter 2021
Chemours Niagara

Date	Average Pumping Rate (gpm)	Influent Total VOC (µg/l)	Effluent Total VOC (µg/l)	Total VOC Removed (lbs/day)	Total VOC Removed (lbs)
1992					5,470
1993					3,580
1994					3,530
1995					2,378
1996					2,240
1997					1,887
1998					1,392
1999					1,695
2000					1,214
2001					1,185
2002					1,374
2003					1,124
2004					1,044
2005					1,066
2006	590	491	71	3.0	1,096
2007	527	514	56	2.9	1,068
2008	529	547	6.7	3.4	1,257
2009	536	534	14	3.3	1,222
2010	557	483	5	3	1,168
2011	595	546	9	3.8	1,386
2012	578	459	11	3.1	1,137
2013	541	461	24	2.8	1,042
2014	574	534	32	3.5	1,269
2015	566	511	23	3.3	1,197
2016	573	468	11	3.1	1,137
2017	*568*	*510*	*11*	*3*	1301
1Q18	*550*	454	1	3	270
2Q18	*567*	299	14.6	1.9	176
3Q18	*604*	369	41.5	2.4	218
4Q18	*590*	453	18.3	3.1	283
1Q19	*545*	388	1.0	2.5	228
2Q19	*533*	356	28.1	2.1	191
3Q19	*618*	413	20.7	2.9	268
4Q19	*579*	1,065	7.8	7.3	676
1Q20	*565*	1,026	113.7	6.2	563
2Q20	*559*	765	0.0	5.1	467
3Q20	*688*	858	0.0	7.1	652
4Q20	*529*	1,141	0.0	7.2	666
1Q21	*519*	1,121	1.9	7.0	642
TOTAL					**48,757**

An average analytical result is used when a field duplicate is reported.
All averages are italicized.
Annual VOCs removed is sum of quarterly VOCs removed

Table 6

Point Source Contaminant Loading Indicator Organics
First Quarter 2021
Chemours Niagara

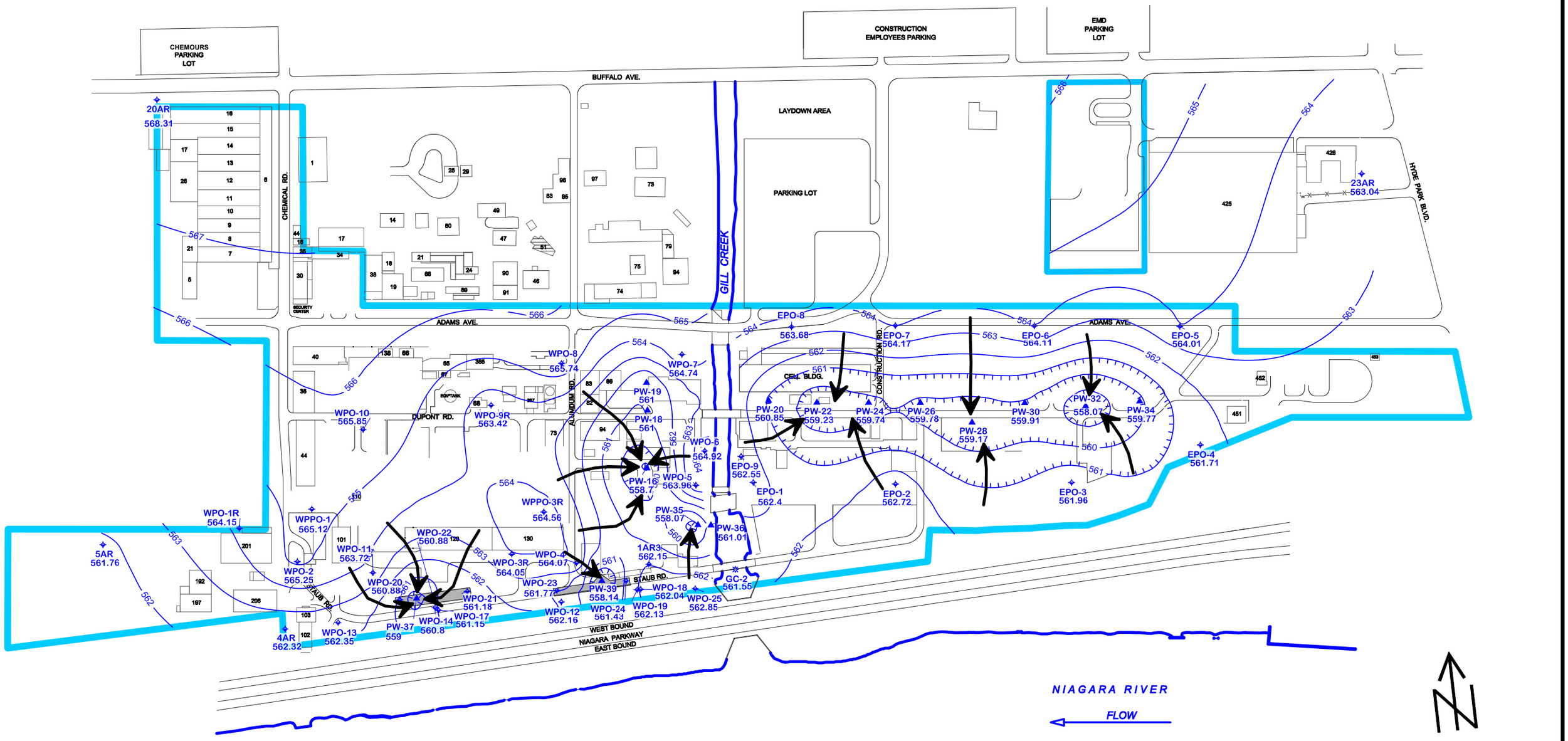
Outfall Sample Location*	Quarterly Average Flow Rate (gpm)	Total Indicator Organic Concentration (µg/l)[(1)]	Quarterly Average Loading Rate (lb/day)[(1)]
023	252	*189.3*	0.57
Olin GAC[(2)]	519	1.9	0.01

GAC = Granular Activated Carbon (Olin Treatment Effluent)
TIO average of field duplicate results are *italicized* .

(1) Values are not adjusted to account for concentrations of loadings indicator organics which may be present in the raw intake water.

(2) Average pumping rate for Olin well through quarter.

FIGURES



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Created by: RBP	Date: 4/6/21
Checked by: JWS	Date: 4/7/21
Project Manager: EAF	Date: 4/7/21
Job number: 452457.03000	

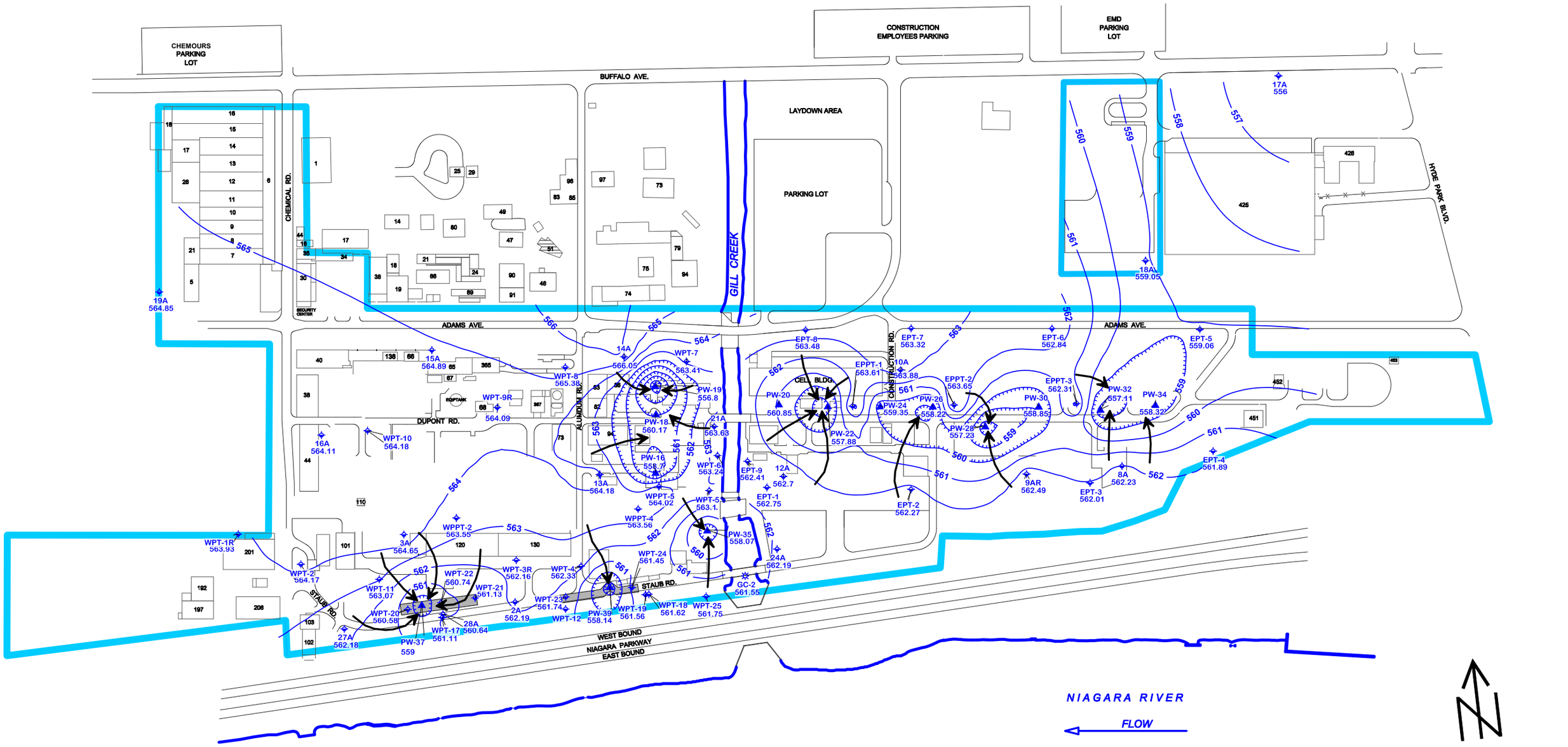
LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

CHEMOURS WELLS

- 1AR3 — WELL ID
- PIEZOMETER
- PUMPING WELL
- MONITORING WELL
- UNDERGROUND UTILITY WELL
- GILL CREEK SURFACE WELL or WATER SAMPLE LOCATION
- BLAST FRACTURED BEDROCK TRENCH
- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR DEPRESSION
- 561 — GROUNDWATER CONTOUR ELEVATION

FIGURE 1
POTENTIOMETRIC SURFACE MAP
A-ZONE OVERBURDEN - MARCH 10, 2021
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY



Note:
Well WPT-12 was dry on March 10, 2021.

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LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

CHEMOURS WELLS

- 1AR3 — WELL ID
- PIEZOMETER
- PUMPING WELL
- MONITORING WELL
- UNDERGROUND UTILITY WELL
- GILL CREEK SURFACE WELL or WATER SAMPLE LOCATION
- BLAST FRACTURED BEDROCK TRENCH
- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR DEPRESSION
- 561 — GROUNDWATER CONTOUR ELEVATION

FIGURE 2
POTENTIOMETRIC SURFACE MAP
A-ZONE BEDROCK - MARCH 10, 2021
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

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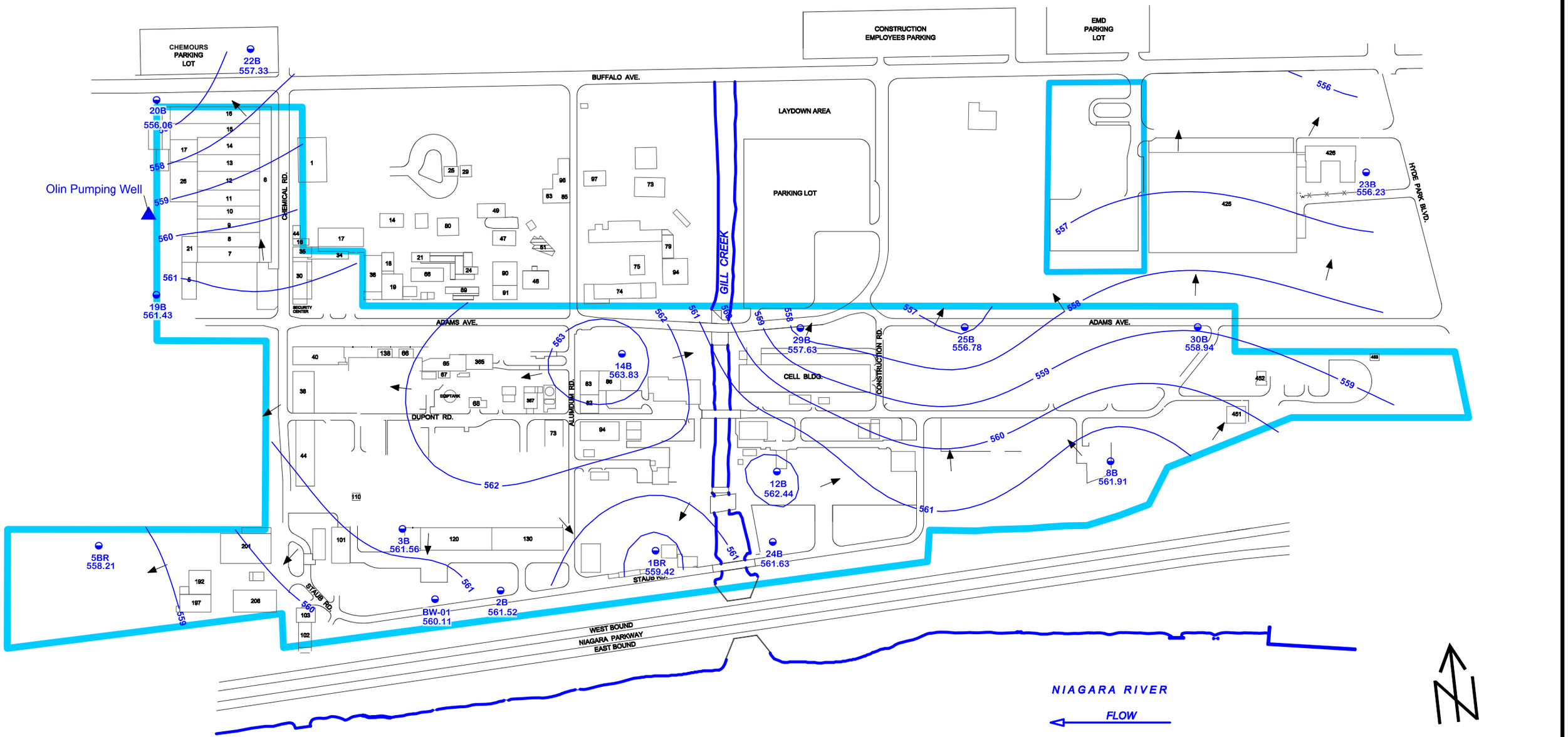

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LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

CHEMOURS WELLS

- 1BR — WELL ID
- PIEZOMETER
- PUMPING WELL
- MONITORING WELL
- UNDERGROUND UTILITY WELL

- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR DEPRESSION
- 561 — GROUNDWATER CONTOUR ELEVATION

FIGURE 3
POTENTIOMETRIC SURFACE MAP
B-ZONE BEDROCK - MARCH 10, 2021
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

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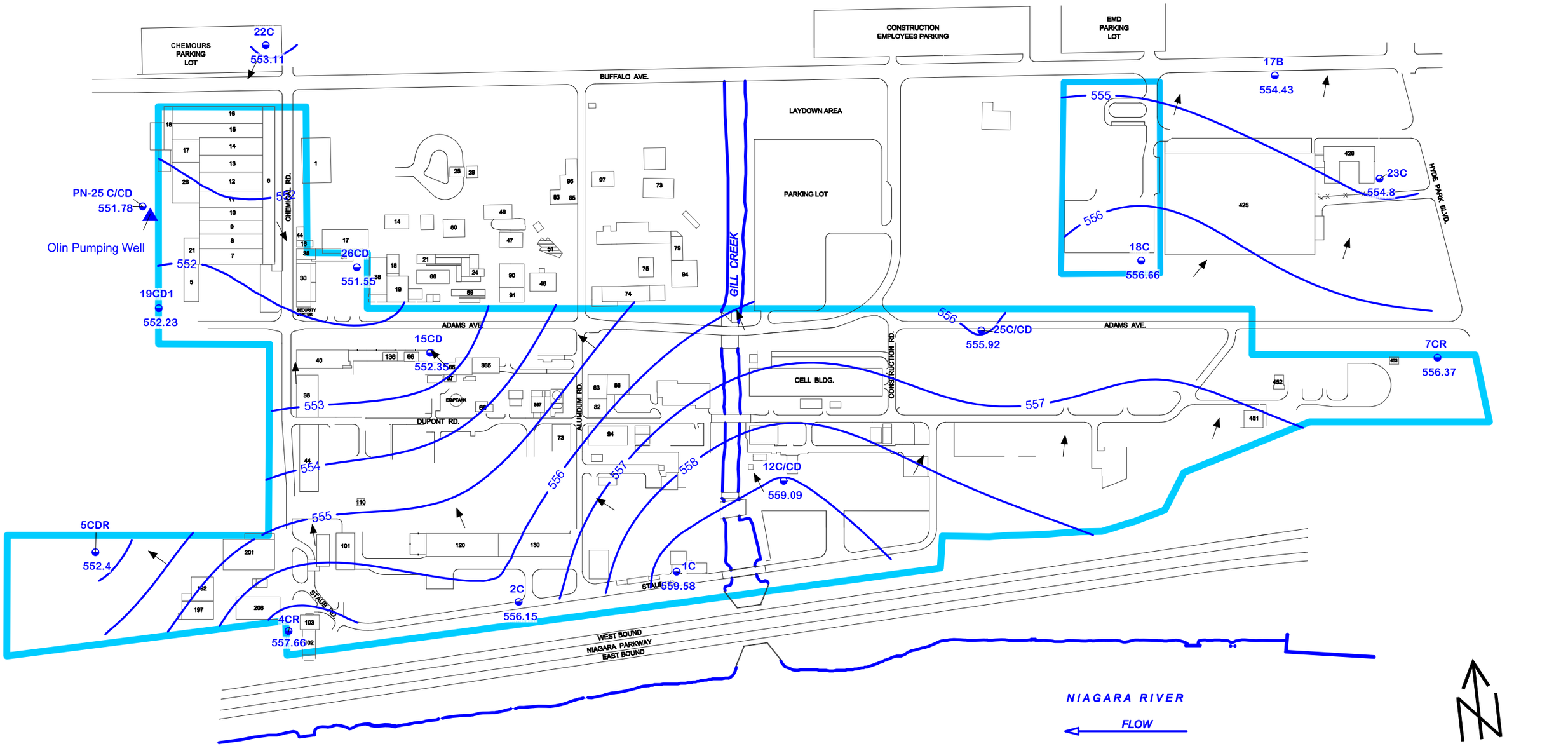

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Job number: 452457.03000	

LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

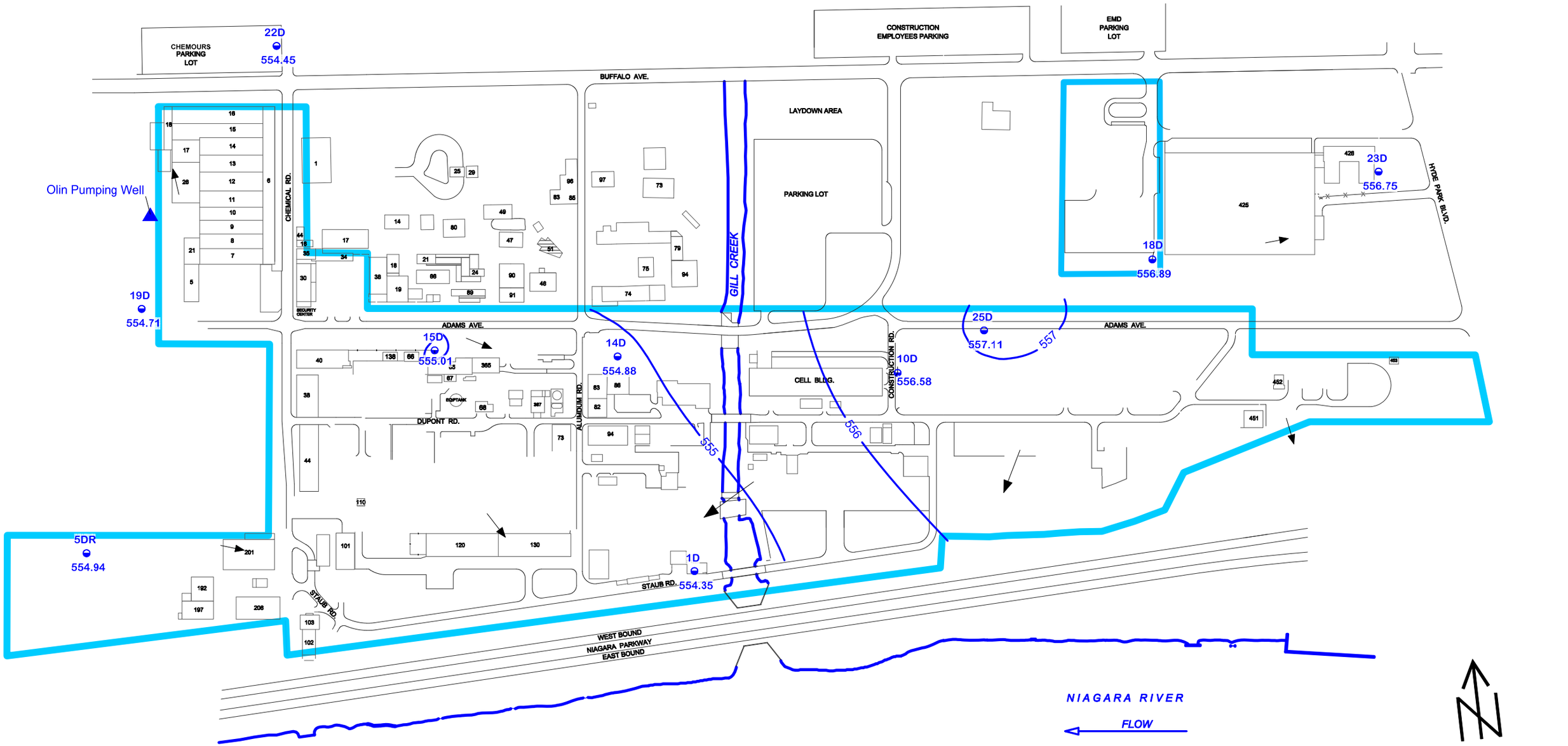
CHEMOURS WELLS

- 1C — WELL ID
- PIEZOMETER
- PUMPING WELL
- MONITORING WELL

- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR DEPRESSION
- 558 — GROUNDWATER CONTOUR ELEVATION

FIGURE 4
POTENTIOMETRIC SURFACE MAP
C/CD-ZONE BEDROCK - MARCH 10, 2021
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2021-03-10 NIA Contour Tool/2021-03-10-CZPZ.srf



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Job number: 452457.03000	

LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

CHEMOURS WELLS

- 1D — WELL ID
- PIEZOMETER
- PUMPING WELL
- MONITORING WELL

- GROUNDWATER CONTOUR
- GROUNDWATER CONTOUR DEPRESSION
- 557 — GROUNDWATER CONTOUR ELEVATION

FIGURE 5
POTENTIOMETRIC SURFACE MAP
D-ZONE BEDROCK - MARCH 10, 2021
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2021-03-10 NIA Contour Tool/2021-03-10-DZPZ.srf

APPENDIX A

CHEMOURS NIAGARA PLANT
GROUNDWATER ELEVATION DATA
FIRST QUARTER 2021

APPENDIX A
GROUNDWATER ELEVATION DATA - FIRST QUARTER 2021
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATIONS (FT AMSL)	TIME	COMMENTS
BW-01	03/10/2021	11.42	571.53	560.11	13:43	
DEC-3R	03/10/2021	12.55	574.39	561.84	11:52	
DEC-4R	03/10/2021	14.16	575.81	561.65	12:00	
DEC-5	03/10/2021	20.62	582.13	561.51	12:06	
EPO-1	03/10/2021	10.27	572.67	562.40	13:07	
EPO-2	03/10/2021	9.59	572.31	562.72	13:33	
EPO-3	03/10/2021	10.71	572.67	561.96	14:10	
EPO-4	03/10/2021	9.04	570.75	561.71	14:01	
EPO-5	03/10/2021	6.34	570.35	564.01	13:56	
EPO-6	03/10/2021	6.35	570.46	564.11	14:01	
EPO-7	03/10/2021	6.54	570.71	564.17	14:13	
EPO-8	03/10/2021	7.01	570.69	563.68	14:17	
EPO-9	03/10/2021	9.81	572.36	562.55	13:10	
EPPT-1	03/10/2021	5.35	568.96	563.61	13:19	
EPPT-2	03/10/2021	8.76	572.41	563.65	13:39	
EPPT-3	03/10/2021	9.74	572.05	562.31	13:45	
EPT-1	03/10/2021	10.11	572.86	562.75	13:08	
EPT-2	03/10/2021	9.95	572.22	562.27	13:32	
EPT-3	03/10/2021	10.50	572.51	562.01	14:09	
EPT-4	03/10/2021	9.14	571.03	561.89	14:03	
EPT-5	03/10/2021	11.22	570.28	559.06	13:54	
EPT-6	03/10/2021	7.68	570.52	562.84	13:59	
EPT-7	03/10/2021	7.21	570.53	563.32	14:12	
EPT-8	03/10/2021	7.18	570.66	563.48	14:19	
EPT-9	03/10/2021	9.38	571.79	562.41	13:09	
GC-2	03/10/2021	11.24	572.79	561.55	12:50	
MW-10A	03/10/2021	8.25	572.13	563.88	13:24	
MW-10C	03/10/2021	11.16	568.10	556.94	13:28	
MW-10D	03/10/2021	11.91	568.49	556.58	13:29	
MW-12A	03/10/2021	9.86	572.56	562.70	13:04	
MW-12B	03/10/2021	9.92	572.36	562.44	13:03	
MW-12C/CD	03/10/2021	13.68	572.77	559.09	13:06	
MW-13A	03/10/2021	8.95	573.13	564.18	12:13	
MW-14A	03/10/2021	6.25	572.30	566.05	11:50	
MW-14B	03/10/2021	8.46	572.29	563.83	11:53	
MW-14C	03/10/2021	17.00	572.10	555.10	11:53	
MW-14D	03/10/2021	17.80	572.68	554.88	11:49	
MW-15A	03/10/2021	3.72	568.61	564.89	12:30	
MW-15C	03/10/2021	12.01	568.52	556.51	12:30	
MW-15CD	03/10/2021	16.20	568.55	552.35	12:32	
MW-15D	03/10/2021	13.56	568.57	555.01	12:33	
MW-16A	03/10/2021	8.22	572.33	564.11	12:46	
MW-16B	03/10/2021	10.38	572.96	562.58	12:45	
MW-17A	03/10/2021	15.98	571.98	556.00	13:31	
MW-17B	03/10/2021	17.51	571.94	554.43	13:34	
MW-18A	03/10/2021	11.76	570.81	559.05	13:41	

APPENDIX A
GROUNDWATER ELEVATION DATA - FIRST QUARTER 2021
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATIONS (FT AMSL)	TIME	COMMENTS
MW-18C	03/10/2021	14.05	570.71	556.66	13:44	
MW-18D	03/10/2021	14.00	570.89	556.89	13:43	
MW-19A	03/10/2021	8.82	573.67	564.85	11:55	
MW-19B	03/10/2021	11.83	573.26	561.43	11:54	
MW-19C	03/10/2021	19.81	573.59	553.78	11:53	
MW-19CD1	03/10/2021	21.06	573.29	552.23	11:52	
MW-19D	03/10/2021	18.37	573.08	554.71	11:46	
MW-1AR3	03/10/2021	9.53	571.68	562.15	12:27	
MW-1BR	03/10/2021	11.96	571.38	559.42	12:30	
MW-1C	03/10/2021	11.80	571.38	559.58	12:33	
MW-1D	03/10/2021	17.78	572.13	554.35	12:39	
MW-20AR	03/10/2021	2.20	570.51	568.31	12:07	
MW-20B	03/10/2021	14.03	570.09	556.06	12:06	
MW-21A	03/10/2021	9.78	573.41	563.63	12:01	
MW-22B	03/10/2021	12.53	569.86	557.33	14:29	
MW-22C	03/10/2021	16.98	570.09	553.11	14:30	
MW-22D	03/10/2021	15.66	570.11	554.45	14:31	
MW-23AR	03/10/2021	10.46	573.50	563.04	13:24	
MW-23B	03/10/2021	16.47	572.70	556.23	13:22	
MW-23C	03/10/2021	17.94	572.74	554.80	13:26	
MW-23D	03/10/2021	16.06	572.81	556.75	13:28	
MW-24A	03/10/2021	10.38	572.57	562.19	12:57	Partially blocked at ten feet below casing.
MW-24B	03/10/2021	11.06	572.69	561.63	12:59	
MW-25B	03/10/2021	12.93	569.71	556.78	14:05	
MW-25C/CD	03/10/2021	14.79	570.71	555.92	14:07	
MW-25D	03/10/2021	13.42	570.53	557.11	14:08	
MW-26C	03/10/2021	13.70	568.39	554.69	14:50	
MW-26CD	03/10/2021	17.32	568.87	551.55	14:56	
MW-27A	03/10/2021	11.42	573.60	562.18	13:05	
MW-28A	03/10/2021	9.84	570.48	560.64	13:27	
MW-29B	03/10/2021	13.90	571.53	557.63	14:20	
MW-2A	03/10/2021	9.63	571.82	562.19	13:30	
MW-2B	03/10/2021	12.03	573.55	561.52	13:33	
MW-2C	03/10/2021	15.47	571.62	556.15	13:31	
MW-30B	03/10/2021	11.89	570.83	558.94	13:52	
MW-3A	03/10/2021	7.78	572.43	564.65	13:53	
MW-3B	03/10/2021	10.69	572.25	561.56	13:49	
MW-4AR	03/10/2021	11.50	573.82	562.32	12:59	
MW-4CR	03/10/2021	12.19	569.85	557.66	13:01	
MW-5AR	03/10/2021	13.25	575.01	561.76	14:52	
MW-5BR	03/10/2021	16.72	574.93	558.21	14:51	
MW-5CDR	03/10/2021	22.60	575.00	552.40	14:53	
MW-5CR	03/10/2021	16.97	574.91	557.94	14:54	
MW-5DR	03/10/2021	20.16	575.10	554.94	14:56	
MW-6AR	03/10/2021	7.78	576.41	568.63	15:02	
MW-7AR	03/10/2021	15.16	571.90	556.74	13:54	

APPENDIX A
GROUNDWATER ELEVATION DATA - FIRST QUARTER 2021
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATIONS (FT AMSL)	TIME	COMMENTS
MW-7CR	03/10/2021	15.23	571.60	556.37	13:56	
MW-8A	03/10/2021	9.41	571.64	562.23	14:06	
MW-8B	03/10/2021	9.52	571.43	561.91	14:05	
MW-9AR	03/10/2021	10.17	572.66	562.49	14:12	
MW-U-1	03/10/2021	12.85	573.25	560.40	11:50	
MW-U-14	03/10/2021	8.81	571.26	562.45	11:48	
MW-U-16	03/10/2021	11.00	573.78	562.78	12:10	
OBA-01B	03/10/2021	11.95	570.85	558.90	15:11	
OBA-01C	03/10/2021	15.16	570.41	555.25	15:08	
PN-25 C/CD	03/10/2021	19.48	571.26	551.78	11:39	
PW-16	03/10/2021	14.75	573.45	558.70	12:11	
PW-18	03/10/2021	9.96	570.13	560.17	11:56	
PW-19	03/10/2021	16.50	573.30	556.80	11:58	
PW-20	03/10/2021	8.90	569.75	560.85	13:14	
PW-22	03/10/2021	11.62	569.50	557.88	13:16	
PW-24	03/10/2021	9.40	568.75	559.35	13:21	
PW-26	03/10/2021	10.18	568.40	558.22	13:38	
PW-28	03/10/2021	10.14	567.37	557.23	13:42	
PW-30	03/10/2021	9.96	568.81	558.85	13:43	
PW-32	03/10/2021	11.06	568.17	557.11	13:46	
PW-34	03/10/2021	10.60	568.92	558.32	13:47	
PW-35	03/10/2021	14.61	572.68	558.07	12:42	
PW-36	03/10/2021	8.50	569.51	561.01	12:44	
PW-37	03/10/2021	10.04	569.04	559.00	13:17	
PW-38	03/10/2021	11.26	572.07	560.81	13:39	
PW-39	03/10/2021	13.62	571.76	558.14	12:17	
TPW-01	03/10/2021	10.29	570.85	560.56	13:41	
WPO-10	03/10/2021	6.18	572.03	565.85	12:39	
WPO-11	03/10/2021	9.53	573.25	563.72	13:09	
WPO-12	03/10/2021	11.67	573.83	562.16	14:34	
WPO-13	03/10/2021	11.30	573.65	562.35	13:04	
WPO-14	03/10/2021	9.71	570.51	560.80	13:28	
WPO-15	03/10/2021	14.10	575.98	561.88	12:02	
WPO-16	03/10/2021	12.67	574.84	562.17	11:53	
WPO-17	03/10/2021	9.69	570.84	561.15	13:23	
WPO-18	03/10/2021	10.34	572.38	562.04	14:21	
WPO-19	03/10/2021	10.36	572.49	562.13	14:23	
WPO-1R	03/10/2021	9.28	573.43	564.15	15:00	
WPO-2	03/10/2021	8.07	573.32	565.25	12:56	
WPO-20	03/10/2021	10.76	571.64	560.88	13:12	
WPO-21	03/10/2021	10.88	572.06	561.18	13:37	
WPO-22	03/10/2021	9.98	570.86	560.88	13:46	
WPO-23	03/10/2021	10.07	571.84	561.77	14:40	
WPO-24	03/10/2021	9.98	571.41	561.43	12:22	
WPO-25	03/10/2021	8.92	571.77	562.85	12:48	
WPO-3R	03/10/2021	8.79	572.84	564.05	14:43	

APPENDIX A
GROUNDWATER ELEVATION DATA - FIRST QUARTER 2021
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATIONS (FT AMSL)	TIME	COMMENTS
WPO-4	03/10/2021	8.31	572.38	564.07	14:31	
WPO-5	03/10/2021	9.03	572.99	563.96	12:07	
WPO-6	03/10/2021	12.81	577.73	564.92	12:04	
WPO-7	03/10/2021	6.78	571.52	564.74	11:45	
WPO-8	03/10/2021	2.60	568.34	565.74	14:14	Well partially blocked at 0.9 ft
WPO-9R	03/10/2021	9.52	572.94	563.42	12:25	
WPPO-1	03/10/2021	3.54	568.66	565.12	12:53	
WPPO-3R	03/10/2021	7.22	571.78	564.56	14:27	
WPPT-2	03/10/2021	8.60	572.15	563.55	13:58	
WPPT-4	03/10/2021	8.74	572.30	563.56	14:23	
WPPT-5	03/10/2021	12.63	576.65	564.02	12:10	
WPT-10	03/10/2021	7.97	572.15	564.18	12:39	
WPT-11	03/10/2021	10.19	573.26	563.07	13:08	
WPT-12	03/10/2021	DRY	573.41	-	14:36	
WPT-17	03/10/2021	9.70	570.81	561.11	13:22	
WPT-18	03/10/2021	11.33	572.95	561.62	14:20	
WPT-19	03/10/2021	11.17	572.73	561.56	14:24	
WPT-1R	03/10/2021	10.09	574.02	563.93	15:02	
WPT-2	03/10/2021	8.96	573.13	564.17	12:55	
WPT-20	03/10/2021	11.61	572.19	560.58	13:14	
WPT-21	03/10/2021	11.36	572.49	561.13	13:35	
WPT-22	03/10/2021	10.90	571.64	560.74	13:44	
WPT-23	03/10/2021	9.95	571.69	561.74	14:39	
WPT-24	03/10/2021	10.01	571.46	561.45	12:20	
WPT-25	03/10/2021	10.75	572.50	561.75	12:47	
WPT-3R	03/10/2021	10.82	572.98	562.16	14:42	
WPT-4	03/10/2021	10.23	572.56	562.33	14:30	
WPT-5	03/10/2021	9.41	572.51	563.10	12:06	
WPT-6	03/10/2021	14.46	577.70	563.24	12:03	
WPT-7	03/10/2021	8.17	571.58	563.41	11:46	
WPT-8	03/10/2021	3.28	568.66	565.38	12:20	
WPT-9R	03/10/2021	8.53	572.62	564.09	12:25	

APPENDIX B

CHEMOURS NIAGARA PLANT
SUMMARY OF ANALYTICAL RESULTS
FIRST QUARTER 2021 SYSTEM MONITORING

Appendix B
Summary of Analytical Results
Chemours Niagara Plant
First Quarter 2021

Method	Parameter	Location Date Units	GWRS-INF 3/10/2021 FS	GWRS-EFF 3/10/2021 FS	GWRS-EFF 3/10/2021 DUP	OLIN-INF 3/10/2021 FS	OLIN-EFF 3/10/2021 FS	Outfall 023 (MS-8) 12/29/2020 FS	TRIP BLANK 3/10/2021 TB
	Field Parameters								
	COLOR	NONE	None	None	None	None	None	--	--
	ODOR	NONE	Slight	None	None	Moderate	None	--	--
	OXIDATION REDUCTION PC	MV	148.9	198.2	198.2	84.8	97.2	--	--
	PH	STD UNITS	7.84	7.68	7.68	8.14	8.44	--	--
	SPECIFIC CONDUCTANCE	UMHOS/CM	1.7	1.9	1.9	1	1.1	--	--
	TEMPERATURE	DEGREES C	15.7	12.2	12.2	11.9	12.3	--	--
	TURBIDITY QUANTITATIVE	NTU	2.09	3.21	3.21	3.12	1.13	--	--
	Volatile Organics								
8260C	1,1,1-Trichloroethane	UG/L	<500	<1	<1	<20	<1	<2.0	<1
8260C	1,1,2,2-Tetrachloroethane	UG/L	520	7.4	7.9	<20	<1	8.1	<1
8260C	1,1,2-Trichloroethane	UG/L	<500	<1	<1	<20	<1	<1.5	<1
8260C	1,1-Dichloroethane	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	1,1-Dichloroethene	UG/L	<500	<1	<1	<20	<1	<1.0	<1
8260C	1,2-Dichlorobenzene	UG/L	<500	<1	<1	<20	<1	<15	<1
8260C	1,4-Dichlorobenzene	UG/L	<500	<1	<1	<20	<1	<15	<1
8260C	1,4-Dichlorobutane	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	Benzene	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	Carbon Tetrachloride	UG/L	<500	<1	<1	<20	<1	<1.0	<1
8260C	Chlorobenzene	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	Chloroform	UG/L	32000	<1	<1	190	<1	15	<1
8260C	cis-1,2 Dichloroethene	UG/L	10000	<1	<1	290	<1	57	<1
8260C	Methyl Chloride	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	Methylene Chloride	UG/L	<2500	<5	<5	<100	<5	<1.0	<5
8260C	Tetrachloroethene	UG/L	7300	3.2	3.6	110	<1	41	<1
8260C	Tetrahydrothiophene	UG/L	<1000	<2	<2	<40	<2	--	<2
8260C	Toluene	UG/L	<500	<1	<1	<20	<1	--	<1
8260C	trans-1,2-Dichloroethene	UG/L	<500	<1	<1	<20	<1	1.2	<1
8260C	Trichloroethene	UG/L	22000	3.8	3.8	470	<1	54	<1
8260C	Vinyl Chloride	UG/L	1800	<1	<1	61	1.9	11	<1
	Total VOCs	UG/L	73620	14.4	15.3	1121	1.9	187.3	0
	Other Organics								
8270D	Bis(2-Ethylhexyl)Phthalate	UG/L	<5.8	<5.8	<5.9	<5.8	<5.8	<2.2	--
8270D	Hexachlorobutadiene	UG/L	<9.6	<9.6	<9.9	<9.7	<9.7	<2.0	--
8270D	Hexachloroethane	UG/L	<9.6	<9.6	<9.9	<9.7	<9.7	--	--
8270D	Naphthalene	UG/L	<9.6	<9.6	<9.9	<9.7	<9.7	--	--
8081B	Alpha-BHC	UG/L	4	2.7	2.7	<0.05	<0.049	0.404	--
8081B	beta-BHC	UG/L	<1	<0.5	<0.25	<0.05	<0.049	0.026	--
8081B	delta-BHC	UG/L	<1	<0.5	<0.25	<0.5	<0.049	0.014	--
8081B	Lindane	UG/L	1.4	0.96	0.84	<0.5	<0.049	0.178	--
8082A	PCB 1016	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
8082A	PCB 1221	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
8082A	PCB 1232	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
8082A	PCB 1242	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
8082A	PCB 1248	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
8082A	PCB 1254	UG/L	<1	<0.99	<0.98	<0.099	<0.097	0.077	--
8082A	PCB 1260	UG/L	<1	<0.99	<0.98	<0.099	<0.097	<0.05	--
	Inorganics								
6010C	Barium, dissolved	MG/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.697	--
9012B	Cyanide, total	MG/L	1.7	1.8	1.8	<0.01	<0.01	0.236	--

< Not detected at stated reporting limit

J Estimated concentration

APPENDIX C

CHEMOURS NIAGARA PLANT
SILICONE OIL REMEDIATION 1Q21

TABLE 1
Silicone Oil Recovery Summary - 1Q2021
Niagara Plant
Niagara Falls, NY

DATE	PW-20			PW-24		
	PRODUCT THICKNESS (FT)	AMOUNT RECOVERED (GALLONS)	CUMULATIVE TOTAL (GALLONS)	PRODUCT THICKNESS (FT)	AMOUNT RECOVERED (GALLONS)	CUMULATIVE TOTAL (GALLONS)
			64.0			2085.5
01/05/21	0.0	0.0	64.0	0.0	0.0	2,085.5
01/06/21	0.0	0.0	64.0	0.0	0.0	2,085.5
01/18/21	0.0	0.0	64.0	0.0	0.5	2,086.0
01/21/21	0.0	0.0	64.0	0.0	0.0	2,086.0
01/26/21	0.0	0.0	64.0	0.0	0.0	2,086.0
02/02/21	0.0	0.0	64.0	0.0	0.5	2,086.5
02/10/21	0.0	0.0	64.0	0.0	0.0	2,086.5
02/15/21	0.0	0.0	64.0	0.0	0.0	2,086.5
02/23/21	0.0	0.0	64.0	0.0	6.0	2,092.5
03/01/21	0.0	0.0	64.0	0.0	1.0	2,093.5
03/08/21	0.0	0.0	64.0	0.0	0.0	2,093.5
03/17/21	0.0	0.0	64.0	0.0	1.5	2,095.0
03/23/21	0.0	0.0	64.0	0.0	0.0	2,095.0
1Q21 Totals	0.0	0.0	64.0	0.0	9.5	2,095.0

TOTAL SILICONE OIL RECOVERED SINCE JUNE 1999: 2,159.0 GALLONS

comments:	2-10-2021 Changed out Abanaki Belt and placed in 5 gallon container for disposal. #2020-12-16-1
	2-10-2021 Switched out Container #2020-12-16-1 with #2021-02-10-1