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November 20, 2020

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

Dear Mr. Radon:

NIAGARA PLANT THIRD QUARTER 2020 DATA PACKAGE

Enclosed is the Groundwater Remediation System Third Quarter 2020 (3Q20) 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 3Q20.

Pumping well uptime was 91.6 percent for the original GWRS pumping wells, 89.3 percent for pumping well PW-37, and 90.5 percent for PW-39 during 3Q20. There were no unscheduled system shutdowns greater than 24 hours in 3Q20. There was one scheduled system shutdown for annual maintenance between July 27 and August 5. One well was down for greater than 48 consecutive hours during the quarter. PW-36 was down between July 17 and August 5 for 475 hours due to the failure of the VFD (note that much of the downtime occurred during the system downtime for annual maintenance).

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 3Q20 Data Package

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

GROUNDWATER REMEDIATION SYSTEM
THIRD QUARTER 2020
GROUNDWATER MONITORING DATA PACKAGE
CHEMOURS NIAGARA PLANT
NIAGARA FALLS, NIAGARA COUNTY, NEW YORK

Prepared For:

THE CHEMOURS COMPANY FC LLC
CORPORATE REMEDIATION GROUP

Buffalo Avenue and 26th Street
Niagara Falls, New York 14302

Prepared By:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
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November 2020

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SECTION 1

DATA PACKAGE SUMMARY

1.1 INTRODUCTION

This data package presents a summary of operating and monitoring data collected during the third quarter of 2020 (3Q20) 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 Third 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 91.6 percent for the original GWRS pumping wells, 89.3 percent for pumping well PW-37, and 90.5 percent for PW-39 during 3Q20. There were no unscheduled system shutdowns greater than 24 hours in 3Q20 and there was one scheduled shutdown. One well was down for greater than 48-hours and two of the well pumps required replacement during 3Q20. The system was shut down for the annual maintenance on July 27 through August 5, with a total system downtime of 218 hours. For this shutdown, pumping wells PW-18, PW-19, PW-37, and PW-39 were shutdown between July 26 and August 3 for a total downtime of 183.5 hours each. PW-16, PW-20, PW-22, PW-24, PW-26, PW-28, PW-30, PW-32, PW-34, and PW-35 were shutdown from July 27 through August 3 for a total downtime of 165 hours each. By making use of the 120,000-gallon working capacity of the equalization tank, pumping well downtime was minimized. Two well pumps required replacement during 3Q20. PW-36 was down between July 17 and August 5 for 475 hours due to the failure of variable frequency drive (VFD). Note that much of the downtime at PW-36 was during the annual system maintenance downtime. The pump at PW-34 was also replaced and PW-34 was back on-line in less than 24-hours. Inspections of the Regenerative Thermal Oxidizer (RTO), cleaning of the air strippers, maintenance to the caustic scrubber, and repairs to pumping well system components and electrical systems were all performed during this outage. Through detailed coordination and efficient planning, downtime for this outage was minimized.

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 1,583 pounds of volatile organic compounds were removed from groundwater during operation of the Groundwater Remediation System (GWRS) in 3Q20 (see Tables 2 and 3). Historical organic compound removal by the GWRS is summarized in Table 4.

Olin Production Well uptime was 100 percent during 3Q20. Beginning in 2020, under an intercompany agreement, slightly higher average pumping rates are being achieved 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 651.7 pounds for 3Q20 (see Tables 2 and 5). Estimated organic compound removal for the Olin Production Well from October 1992 through September 2020 is approximately 47,450 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 0.46 pounds of organics per day during 3Q20. Since effluent discharged through this outfall is treated at the NFWWF, this represents an additional 43 pounds of organics (Table 2) that were removed and treated during 3Q20.

Groundwater elevation data collected during 3Q20 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. Olin installed a well adjacent to the Olin Production Well (PN-25 C/CD) and this well is now included in the groundwater elevation contour maps.

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 3Q20, no silicone oil was observed in PW-20 and 65 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 2,054.0 gallons of Silicone Oil have been recovered from PW-20 and PW-24 respectively. A total of 2,118.0 gallons of silicone oil have been removed from GWRS pumping wells since recovery began in June 1999.

TABLES

Table 1

Refined Indicator Parameters
Third Quarter 2020
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
Third Quarter 2020
Chemours Niagara

Treatment System Operations	
GWRS	
Original 23 Pumping Wells System Uptime	91.6%
Pumping Well 37 Uptime	89.3%
Pumping Well 39 Uptime	90.5%
Total Gallons Pumped	2,103,984
Average System Pumping Rate for Quarter (GPM)	15.9
Estimated Pounds of Organics Treated	1,583
Number of unscheduled treatment shutdowns (> 24 hours)	0
Number of scheduled treatment shutdowns (> 24 hours)	1
Olin System	
Pumping System Uptime	100.0%
Estimated Pounds of Organics Treated	651.7
Carbon vessel changes	3
V-2 | 8/24/20	
V-3 | 8/24/20	
V-4 | 8/24/20	
Outfall 023	
Estimated Pounds of Organics Treated	43

GWRS Pumping Well Operations	
Total Pump Replacements:	2
Number of Individual Pumps down > 48 hours:	1

Table 3

Total Volatile Organic Compounds Removed by GWRS
Third Quarter 2020
Chemours Niagara

Quarterly Total Flow (gallons)	Influent Total VOC Concentration (µg/l)	Effluent Total VOC Concentration (µg/l)	Estimated VOC Removal (lbs.)
2,103,984	90,300	*9.8*	1,583

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

Table 4

Summary of Organic Compounds Removed by GWRS
Third Quarter 2020
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	
1Q17	3,127	
2Q17	2,581	2017 Total 10,815
3Q17	2,930	
4Q17	2,177	
1Q18	1,454	
2Q18	1,410	2018 Total 5,794
3Q18	1,321	
4Q18	1,609	
1Q19	1,357	
2Q19	1,393	2019 Total 5,635
3Q19	1,389	
4Q19	1,496	
1Q20	1,208	
2Q20	1,300	
3Q20	1,583	
TOTAL	**206,352**	

[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 bu Olin Production Well
Third Quarter 2020
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
1Q17	*550*	452	9.6	2.9	263
2Q17	*569*	430	1	3	273
3Q17	*583*	540	14.2	3.7	338
4Q17	*570*	616	17.5	4.1	377
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
TOTAL					**47,450**

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
Third Quarter 2020
Chemours Niagara

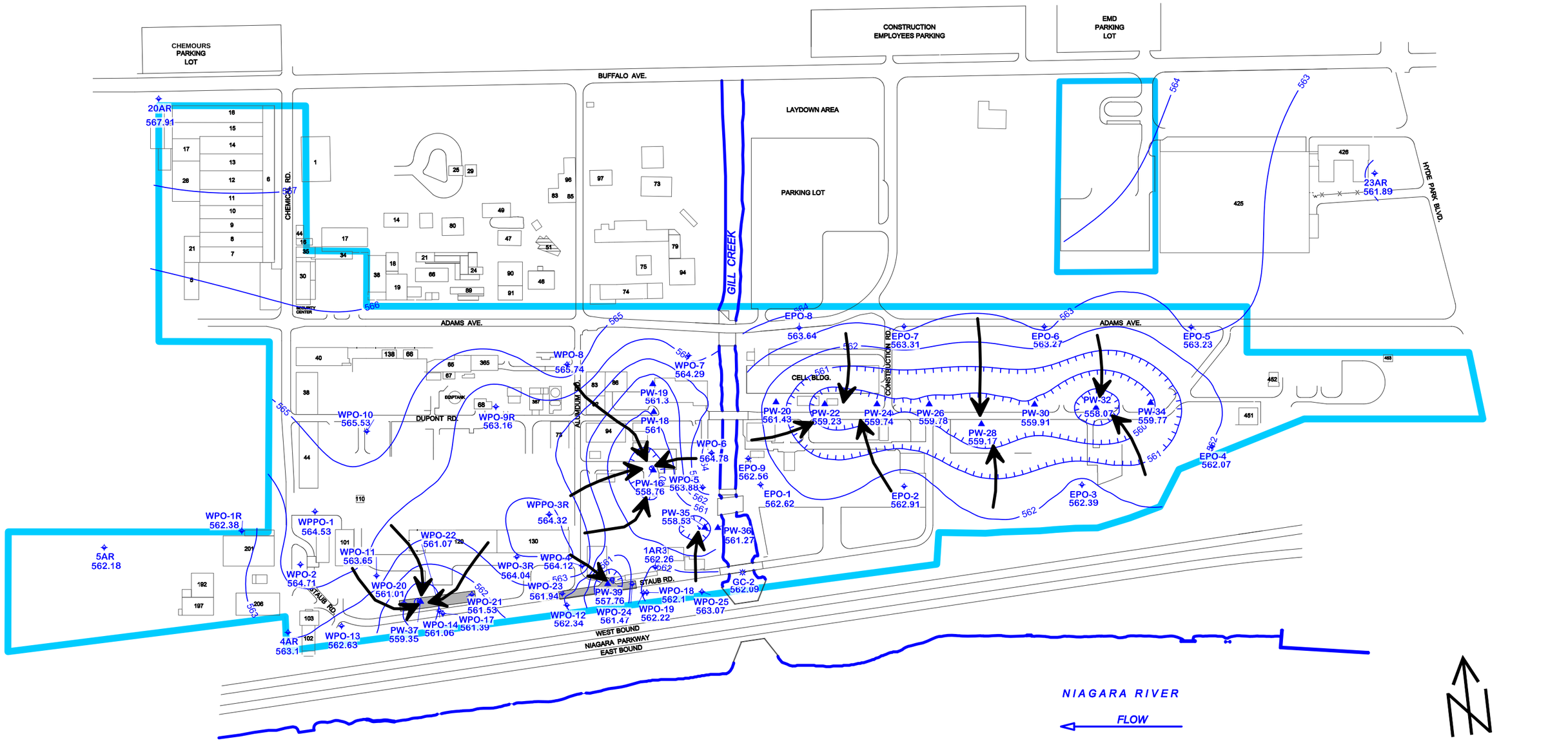
Outfall Sample Location*	Quarterly Average Flow Rate (gpm)	Total Indicator Organic Concentration (µg/l)[(1)]	Quarterly Average Loading Rate (lb/day)[(1)]
023	229	*169.0*	0.46
Olin GAC[(2)]	688	0.0	0.00

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



Graphic Scale

0 125 250 375 500

Feet

PARSONS
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Created by: RBP	Date: 10/7/20
Checked by: JWS	Date: 10/14/20
Project Manager: EAF	Date: 10/14/20
Job number: 452007.03000	

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 - AUGUST 25, 2020
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

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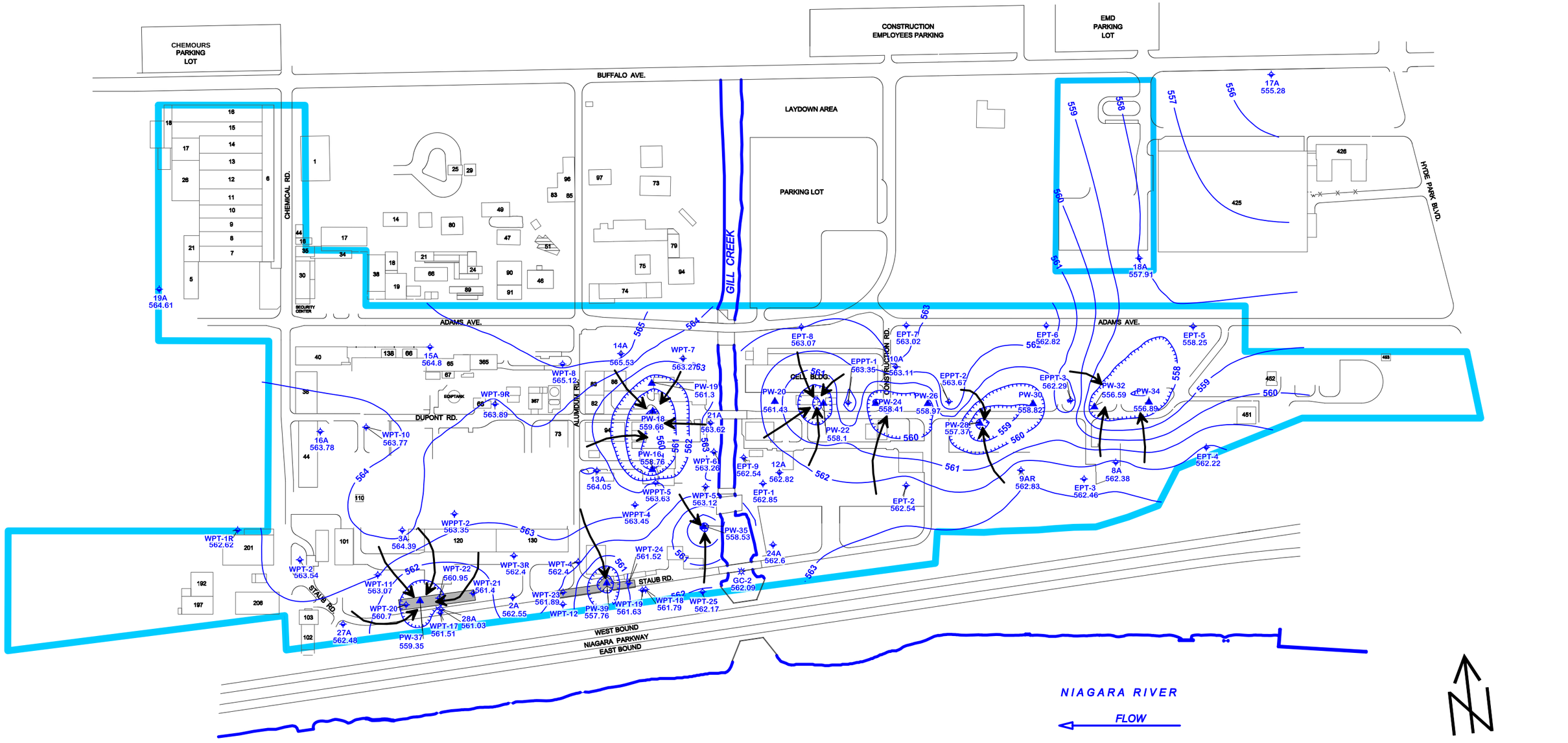

Note:
Well WPT-12 was dry on August 25, 2020.

Graphic Scale
0 125 250 375 500
Feet

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Checked by: JWS	Date: 10/14/20
Project Manager: EAF	Date: 10/14/20
Job number: 452007.03000	

LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

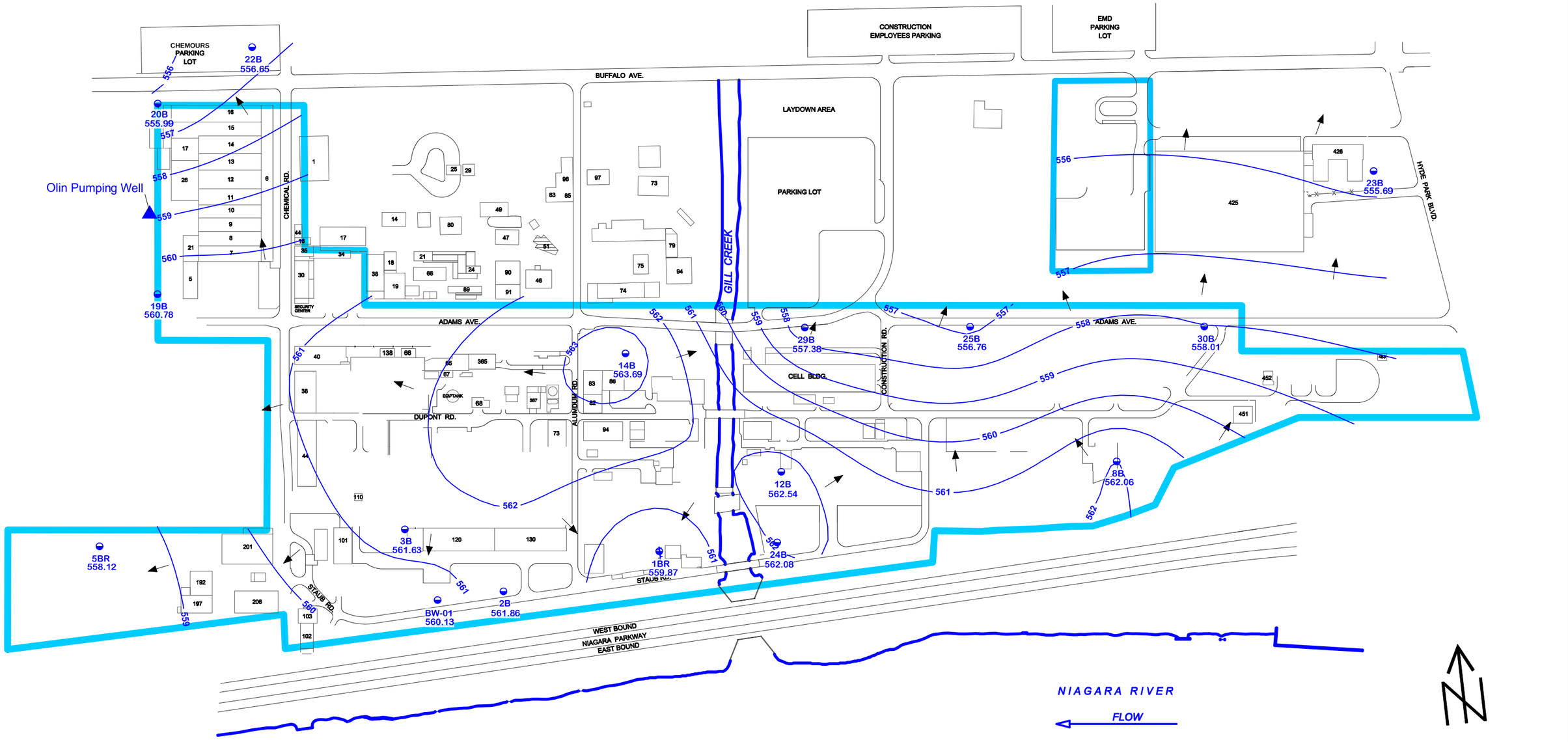
CHEMOURS WELLS

- 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 2
POTENTIOMETRIC SURFACE MAP
A-ZONE BEDROCK - AUGUST 25, 2020
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2020-08-26 NIA Contour Tool/2020-08-25-BRPZ.srf



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Project Manager: EAF	Date: 10/14/20
Job number: 452007.03000	

LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

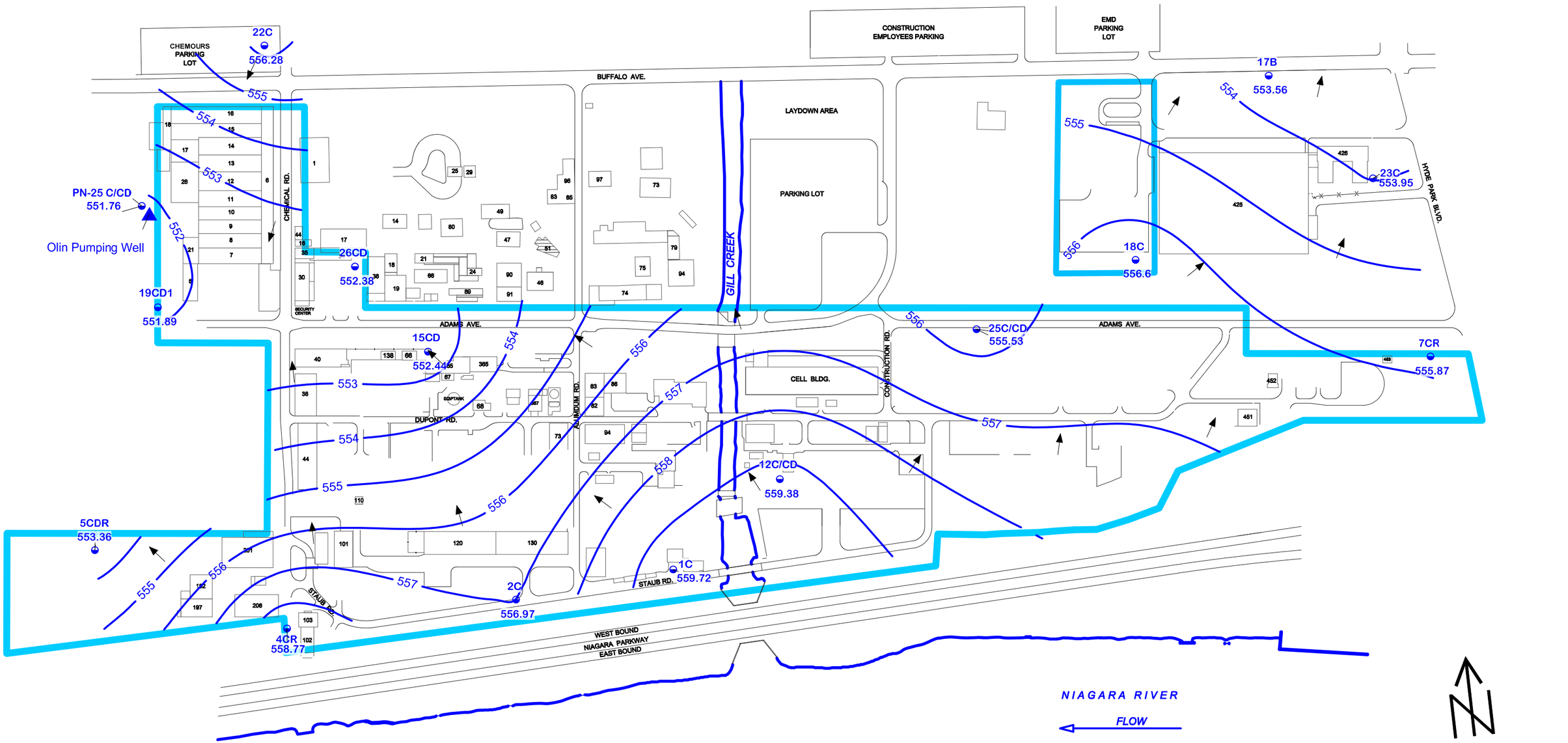
CHEMOURS WELLS

- 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 - AUGUST 25, 2020
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2020-08-26 NIA Contour Tool/2020-08-25-BZPZ.srf



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Project Manager: EAF	Date: 10/14/20
Job number: 452007.03000	

LEGEND

- BUILDING
- ROAD
- CHEMOURS PROPERTY BOUNDARY
- SURFACE WATER

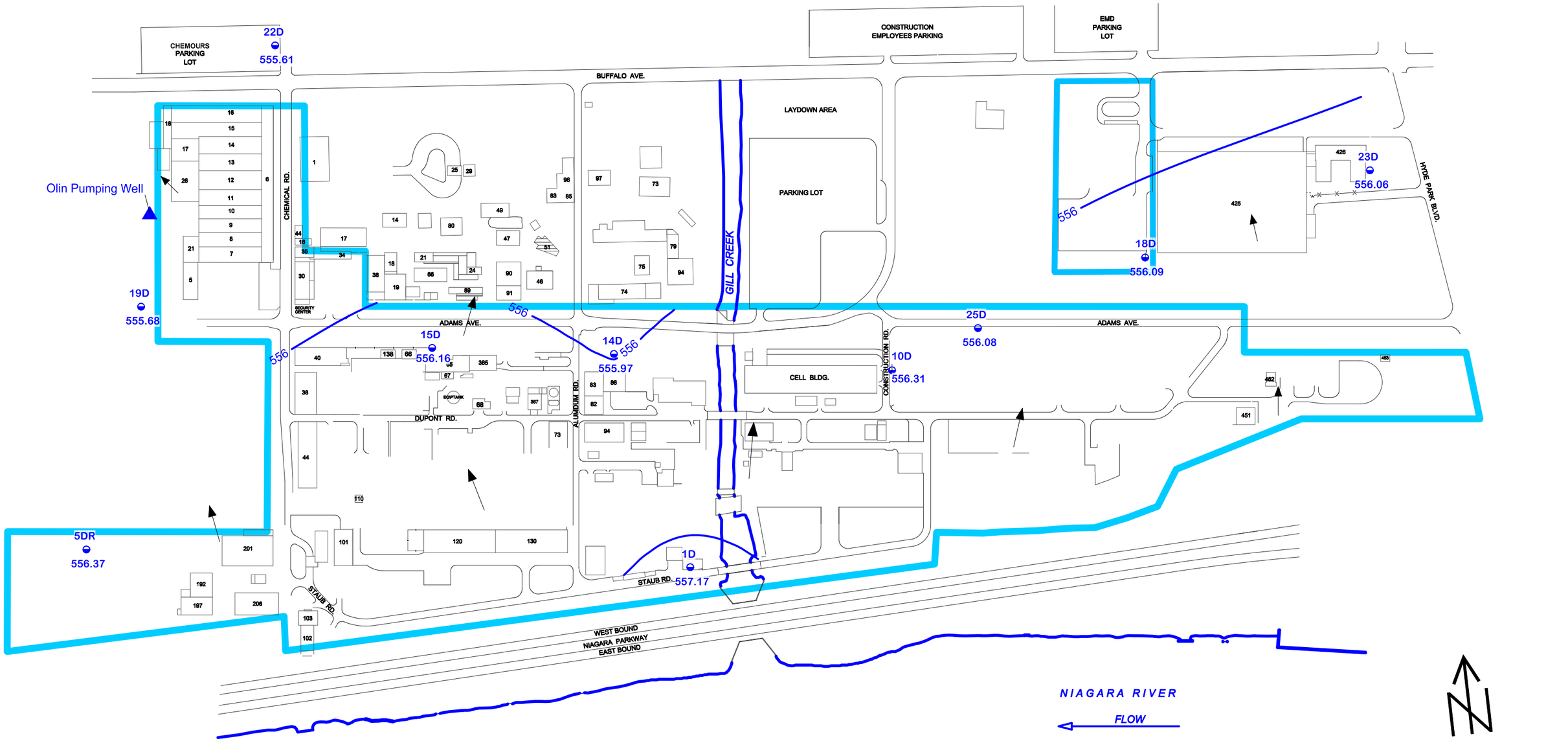
CHEMOURS WELLS

- 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 - AUGUST 25, 2020
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2020-08-25 NIA Contour Tool/2020-08-25-CZPZ.srf



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Checked by: JWS	Date: 10/14/20
Project Manager: EAF	Date: 10/14/20
Job number: 452007.03000	

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 - AUGUST 25, 2020
CHEMOURS NIAGARA PLANT, NIAGARA FALLS, NY

//NYBUF03FS01/Dupont$/Niagara/NiaPlant/Hydrogeo/Hydro/GW_contours/2020-08-25 NIA Contour Tool/2020-08-25-DZPZ.srf

APPENDIX A

CHEMOURS NIAGARA PLANT
GROUNDWATER ELEVATION DATA
THIRD QUARTER 2020

APPENDIX A
GROUNDWATER ELEVATION DATA - THIRD QUARTER 2020
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATION (FT AMSL)	TIME	COMMENTS
BW-01	08/25/2020	11.40	571.53	560.13	11:52	
DEC-3R	08/25/2020	12.42	574.39	561.97	11:26	
DEC-4R	08/25/2020	13.80	575.81	562.01	11:30	
DEC-5	08/25/2020	20.34	582.13	561.79	11:36	
EPO-1	08/25/2020	10.05	572.67	562.62	12:40	
EPO-2	08/25/2020	9.40	572.31	562.91	12:31	
EPO-3	08/25/2020	10.28	572.67	562.39	13:59	
EPO-4	08/25/2020	8.68	570.75	562.07	13:51	
EPO-5	08/25/2020	7.12	570.35	563.23	12:29	
EPO-6	08/25/2020	7.19	570.46	563.27	12:33	
EPO-7	08/25/2020	7.40	570.71	563.31	12:42	
EPO-8	08/25/2020	7.05	570.69	563.64	13:00	
EPO-9	08/25/2020	9.80	572.36	562.56	12:47	
EPPT-1	08/25/2020	5.61	568.96	563.35	13:11	
EPPT-2	08/25/2020	8.74	572.41	563.67	13:28	
EPPT-3	08/25/2020	9.76	572.05	562.29	13:33	
EPT-1	08/25/2020	10.01	572.86	562.85	12:41	
EPT-2	08/25/2020	9.68	572.22	562.54	12:30	
EPT-3	08/25/2020	10.05	572.51	562.46	13:57	
EPT-4	08/25/2020	8.81	571.03	562.22	13:50	
EPT-5	08/25/2020	12.03	570.28	558.25	12:29	
EPT-6	08/25/2020	7.70	570.52	562.82	12:33	
EPT-7	08/25/2020	7.51	570.53	563.02	12:46	
EPT-8	08/25/2020	7.59	570.66	563.07	12:59	
EPT-9	08/25/2020	9.25	571.79	562.54	12:48	
GC-2	08/25/2020	10.70	572.79	562.09	12:20	
MW-10A	08/25/2020	9.02	572.13	563.11	13:18	
MW-10C	08/25/2020	10.13	568.10	557.97	13:23	
MW-10D	08/25/2020	12.18	568.49	556.31	13:20	
MW-12A	08/25/2020	9.74	572.56	562.82	12:36	
MW-12B	08/25/2020	9.82	572.36	562.54	12:35	
MW-12C/CD	08/25/2020	13.39	572.77	559.38	12:38	
MW-13A	08/25/2020	9.08	573.13	564.05	11:36	
MW-14A	08/25/2020	6.77	572.30	565.53	11:11	
MW-14B	08/25/2020	8.60	572.29	563.69	11:14	
MW-14C	08/25/2020	15.83	572.10	556.27	11:12	
MW-14D	08/25/2020	16.71	572.68	555.97	11:08	
MW-15A	08/25/2020	3.81	568.61	564.80	11:06	
MW-15C	08/25/2020	11.71	568.52	556.81	11:09	
MW-15CD	08/25/2020	16.11	568.55	552.44	11:13	
MW-15D	08/25/2020	12.41	568.57	556.16	11:15	
MW-16A	08/25/2020	8.55	572.33	563.78	14:01	
MW-16B	08/25/2020	10.60	572.96	562.36	14:03	
MW-17A	08/25/2020	16.70	571.98	555.28	12:06	
MW-17B	08/25/2020	18.38	571.94	553.56	12:06	

APPENDIX A
GROUNDWATER ELEVATION DATA - THIRD QUARTER 2020
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATION (FT AMSL)	TIME	COMMENTS
MW-18A	08/25/2020	12.90	570.81	557.91	11:59	
MW-18C	08/25/2020	14.11	570.71	556.60	11:58	
MW-18D	08/25/2020	14.80	570.89	556.09	12:00	
MW-19A	08/25/2020	9.06	573.67	564.61	14:24	
MW-19B	08/25/2020	12.48	573.26	560.78	14:26	
MW-19C	08/25/2020	19.58	573.59	554.01	14:27	
MW-19CD1	08/25/2020	21.40	573.29	551.89	14:29	
MW-19D	08/25/2020	17.40	573.08	555.68	14:33	
MW-1AR3	08/25/2020	9.42	571.68	562.26	11:50	
MW-1BR	08/25/2020	11.51	571.38	559.87	11:54	
MW-1C	08/25/2020	11.66	571.38	559.72	11:56	
MW-1D	08/25/2020	14.96	572.13	557.17	11:58	
MW-20AR	08/25/2020	2.60	570.51	567.91	14:19	
MW-20B	08/25/2020	14.10	570.09	555.99	14:19	
MW-21A	08/25/2020	9.79	573.41	563.62	11:26	
MW-22B	08/25/2020	13.21	569.86	556.65	11:49	
MW-22C	08/25/2020	13.81	570.09	556.28	11:52	
MW-22D	08/25/2020	14.50	570.11	555.61	11:53	
MW-23AR	08/25/2020	11.61	573.50	561.89	12:12	
MW-23B	08/25/2020	17.01	572.70	555.69	12:11	
MW-23C	08/25/2020	18.79	572.74	553.95	12:14	
MW-23D	08/25/2020	16.75	572.81	556.06	12:13	
MW-24A	08/25/2020	9.97	572.57	562.60	12:26	
MW-24B	08/25/2020	10.61	572.69	562.08	12:25	
MW-25B	08/25/2020	12.95	569.71	556.76	12:37	
MW-25C/CD	08/25/2020	15.18	570.71	555.53	12:37	
MW-25D	08/25/2020	14.45	570.53	556.08	12:38	
MW-26C	08/25/2020	13.08	568.39	555.31	13:03	
MW-26CD	08/25/2020	16.49	568.87	552.38	13:09	
MW-27A	08/25/2020	11.12	573.60	562.48	13:01	
MW-28A	08/25/2020	9.45	570.48	561.03	12:39	
MW-29B	08/25/2020	14.15	571.53	557.38	12:58	
MW-2A	08/25/2020	9.27	571.82	562.55	12:09	
MW-2B	08/25/2020	11.69	573.55	561.86	12:07	
MW-2C	08/25/2020	14.65	571.62	556.97	12:11	
MW-30B	08/25/2020	12.82	570.83	558.01	12:23	
MW-3A	08/25/2020	8.04	572.43	564.39	11:47	
MW-3B	08/25/2020	10.62	572.25	561.63	11:46	
MW-4AR	08/25/2020	10.72	573.82	563.10	13:05	
MW-4CR	08/25/2020	11.08	569.85	558.77	13:07	
MW-5AR	08/25/2020	12.83	575.01	562.18	13:23	
MW-5BR	08/25/2020	16.81	574.93	558.12	13:22	
MW-5CDR	08/25/2020	21.64	575.00	553.36	13:20	
MW-5CR	08/25/2020	15.73	574.91	559.18	13:19	
MW-5DR	08/25/2020	18.73	575.10	556.37	13:18	

APPENDIX A
GROUNDWATER ELEVATION DATA - THIRD QUARTER 2020
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATION (FT AMSL)	TIME	COMMENTS
MW-6AR	08/25/2020	9.10	576.41	567.31	13:12	
MW-7AR	08/25/2020	15.35	571.90	556.55	13:43	
MW-7CR	08/25/2020	15.73	571.60	555.87	13:44	
MW-8A	08/25/2020	9.26	571.64	562.38	13:55	
MW-8B	08/25/2020	9.37	571.43	562.06	13:53	
MW-9AR	08/25/2020	9.83	572.66	562.83	14:01	
MW-U-1	08/25/2020	12.95	573.25	560.30	14:31	
MW-U-14	08/25/2020	10.35	571.26	560.91	14:32	
MW-U-16	08/25/2020	11.13	573.78	562.65	11:39	
PN-25 C/CD	08/25/2020	19.50	571.26	551.76	14:34	
PW-16	08/25/2020	14.69	573.45	558.76	11:38	
PW-18	08/25/2020	10.47	570.13	559.66	11:23	
PW-19	08/25/2020	12.00	573.30	561.30	11:20	
PW-20	08/25/2020	8.32	569.75	561.43	12:51	
PW-22	08/25/2020	11.40	569.50	558.10	12:55	
PW-24	08/25/2020	10.34	568.75	558.41	13:13	
PW-26	08/25/2020	9.43	568.40	558.97	14:04	
PW-28	08/25/2020	10.00	567.37	557.37	13:30	
PW-30	08/25/2020	9.99	568.81	558.82	13:32	
PW-32	08/25/2020	11.58	568.17	556.59	13:35	
PW-34	08/25/2020	12.03	568.92	556.89	13:37	
PW-35	08/25/2020	14.15	572.68	558.53	11:44	
PW-36	08/25/2020	8.24	569.51	561.27	11:45	
PW-37	08/25/2020	9.69	569.04	559.35	12:46	
PW-38	08/25/2020	11.08	572.07	560.99	11:59	
PW-39	08/25/2020	14.00	571.76	557.76	12:03	
TPW-01	08/25/2020	10.12	570.85	560.73	11:54	
WPO-10	08/25/2020	6.50	572.03	565.53	13:57	
WPO-11	08/25/2020	9.60	573.25	563.65	12:54	
WPO-12	08/25/2020	11.49	573.83	562.34	12:24	
WPO-13	08/25/2020	11.02	573.65	562.63	13:00	
WPO-14	08/25/2020	9.45	570.51	561.06	12:40	
WPO-15	08/25/2020	13.80	575.98	562.18	11:31	
WPO-16	08/25/2020	12.62	574.84	562.22	11:25	
WPO-17	08/25/2020	9.45	570.84	561.39	12:42	
WPO-18	08/25/2020	10.28	572.38	562.10	12:12	
WPO-19	08/25/2020	10.27	572.49	562.22	12:11	
WPO-1R	08/25/2020	11.05	573.43	562.38	13:34	
WPO-2	08/25/2020	8.61	573.32	564.71	13:38	
WPO-20	08/25/2020	10.63	571.64	561.01	13:29	
WPO-21	08/25/2020	10.53	572.06	561.53	12:02	
WPO-22	08/25/2020	9.79	570.86	561.07	11:55	
WPO-23	08/25/2020	9.90	571.84	561.94	12:20	
WPO-24	08/25/2020	9.94	571.41	561.47	12:00	
WPO-25	08/25/2020	8.70	571.77	563.07	12:17	

APPENDIX A
GROUNDWATER ELEVATION DATA - THIRD QUARTER 2020
CHEMOURS NIAGARA PLANT

SAMPLE POINT	DATE	DEPTH TO WATER (FT)	CASING ELEVATION (FT AMSL)	GW ELEVATION (FT AMSL)	TIME	COMMENTS
WPO-3R	08/25/2020	8.80	572.84	564.04	12:16	
WPO-4	08/25/2020	8.26	572.38	564.12	12:30	
WPO-5	08/25/2020	9.11	572.99	563.88	12:45	
WPO-6	08/25/2020	12.95	577.73	564.78	11:29	
WPO-7	08/25/2020	7.23	571.52	564.29	11:17	
WPO-8	08/25/2020	2.60	568.34	565.74	11:30	
WPO-9R	08/25/2020	9.78	572.94	563.16	11:21	
WPPO-1	08/25/2020	4.13	568.66	564.53	13:49	
WPPO-3R	08/25/2020	7.46	571.78	564.32	11:39	
WPPT-2	08/25/2020	8.80	572.15	563.35	11:42	
WPPT-4	08/25/2020	8.85	572.30	563.45	11:36	
WPPT-5	08/25/2020	13.02	576.65	563.63	11:40	
WPT-10	08/25/2020	8.38	572.15	563.77	13:58	
WPT-11	08/25/2020	10.19	573.26	563.07	12:52	
WPT-12	08/25/2020	-	573.41	-	12:26	No measureable water in well
WPT-17	08/25/2020	9.30	570.81	561.51	12:41	
WPT-18	08/25/2020	11.16	572.95	561.79	12:14	
WPT-19	08/25/2020	11.10	572.73	561.63	12:09	
WPT-1R	08/25/2020	11.40	574.02	562.62	13:35	
WPT-2	08/25/2020	9.59	573.13	563.54	13:40	
WPT-20	08/25/2020	11.49	572.19	560.70	12:49	
WPT-21	08/25/2020	11.09	572.49	561.40	12:04	
WPT-22	08/25/2020	10.69	571.64	560.95	11:57	
WPT-23	08/25/2020	9.80	571.69	561.89	12:22	
WPT-24	08/25/2020	9.94	571.46	561.52	12:01	
WPT-25	08/25/2020	10.33	572.50	562.17	12:17	
WPT-3R	08/25/2020	10.58	572.98	562.40	12:15	
WPT-4	08/25/2020	10.16	572.56	562.40	12:32	
WPT-5	08/25/2020	9.39	572.51	563.12	12:43	
WPT-6	08/25/2020	14.44	577.70	563.26	11:30	
WPT-7	08/25/2020	8.31	571.58	563.27	11:16	
WPT-8	08/25/2020	3.54	568.66	565.12	11:28	
WPT-9R	08/25/2020	8.73	572.62	563.89	11:23	

APPENDIX B

CHEMOURS NIAGARA PLANT
SUMMARY OF ANALYTICAL RESULTS
THIRD QUARTER 2020 SYSTEM MONITORING

Appendix B
Summary of Analytical Results
Chemours Niagara Plant
Third Quarter 2020

Method	Parameter	Location Date Units	GWRS-INF 8/25/2020 FS	GWRS-EFF 8/25/2020 FS	GWRS-EFF 8/25/2020 DUP	OLIN-INF 8/25/2020 FS	OLIN-EFF 8/25/2020 FS	TRIP BLANK 8/25/2020 TB
	Field Parameters							
	COLOR	NONE	None	None	None	None	None	--
	ODOR	NONE	Slight	None	None	Sulfur	None	--
	ORP	MV	-159.3	100.4	100.4	--	-10.3	--
	PH	STD UNITS	7.5	7.51	7.51	-78.9	7.96	--
	SPECIFIC CONDUCTANCE	UMHOS/CM	4720	4490	4490	535	606	--
	TEMPERATURE	DEGREES C	24.3	23	23	13.3	15.7	--
	TURBIDITY QUANTITATIVE	NTU	1.94	3.47	3.47	2.49	2.92	--
	Volatile Organics							
8260C	1,1,1-Trichloroethane	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,1,2,2-Tetrachloroethane	UG/L	<1000	5.6	5.4	15	<1	<1
8260C	1,1,2-Trichloroethane	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,1-Dichloroethane	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,1-Dichloroethene	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,2-Dichlorobenzene	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,4-Dichlorobenzene	UG/L	<400	<1	<1	<10	<1	<1
8260C	1,4-Dichlorobutane	UG/L	<400	<1	<1	<10	<1	<1
8260C	Benzene	UG/L	<400	<1	<1	<10	<1	<1
8260C	Carbon Tetrachloride	UG/L	<400	<1	<1	<10	<1	<1
8260C	Chlorobenzene	UG/L	<400	<1	<1	<10	<1	<1
8260C	Chloroform	UG/L	29000	<1	<1	110	<1	<1
8260C	cis-1,2 Dichloroethene	UG/L	14000	<1	<1	160	<1	<1
8260C	Methyl Chloride	UG/L	<400	<1	<1	<10	<1	<1
8260C	Methylene Chloride	UG/L	<2000	<5	<5	<50	<5	<5
8260C	Tetrachloroethene	UG/L	12000	4.2 J	<1	160	<1	<1
8260C	Tetrahydrothiophene	UG/L	<800	<2	<2	<20	<2	<2
8260C	Toluene	UG/L	<400	<1	<1	<10	<1	<1
8260C	trans-1,2-Dichloroethene	UG/L	<400	<1	<1	<10	<1	<1
8260C	Trichloroethene	UG/L	32000	4.4 J	<1	380	<1	<1
8260C	Vinyl Chloride	UG/L	3300	<1	<1	33	<1	<1
	Total VOCs	UG/L	90300	14.2	5.4	858	0	0
	Other Organics							
8270D	Bis(2-Ethylhexyl)Phthalate	UG/L	--	<6	<6	--	--	--
8270D	Hexachlorobutadiene	UG/L	--	<10	<10	--	--	--
8270D	Hexachloroethane	UG/L	--	<10	<10	--	--	--
8270D	Naphthalene	UG/L	--	<10	<10	--	--	--
8081B	Alpha-BHC	UG/L	--	3.9	4.9	--	--	--
8081B	beta-BHC	UG/L	--	<0.51	<0.5	--	--	--
8081B	delta-BHC	UG/L	--	<0.51	<0.5	--	--	--
8081B	Lindane	UG/L	--	1.9	2.3	--	--	--
8082A	PCB 1016	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1221	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1232	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1242	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1248	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1254	UG/L	--	<1	<0.5	--	--	--
8082A	PCB 1260	UG/L	--	<1	<0.5	--	--	--
	Inorganics							
6010C	Barium, dissolved	UG/L	--	<200	<200	--	--	--
9012B	Cyanide, total	UG/L	--	490	500	--	--	--

< Not detected at stated reporting limit

J Estimated concentration

APPENDIX C

CHEMOURS NIAGARA PLANT
SILICONE OIL REMEDIATION 3Q20

TABLE 1
Silicone Oil Recovery Summary - 3Q2020
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			1989.0
07/06/20	0.0	0.0	64.0	0.0	0.0	1,989.0
07/13/20	0.0	0.0	64.0	0.0	0.5	1,989.5
07/20/20	0.0	0.0	64.0	0.0	0.0	1,989.5
07/27/20	0.0	0.0	64.0	0.0	0.0	1,989.5
08/03/20	0.0	0.0	64.0	0.0	0.0	1,989.5
08/10/20	0.0	0.0	64.0	0.0	0.0	1,989.5
08/20/20	0.0	0.0	64.0	0.0	24.5	2,014.0
08/24/20	0.0	0.0	64.0	0.0	7.0	2,021.0
08/31/20	0.0	0.0	64.0	0.0	4.0	2,025.0
09/08/20	0.0	0.0	64.0	0.0	9.0	2,034.0
09/10/20	0.0	0.0	64.0	0.0	3.0	2,037.0
09/14/20	0.0	0.0	64.0	0.0	8.0	2,045.0
09/21/20	0.0	0.0	64.0	0.0	3.0	2,048.0
09/24/20	0.0	0.0	64.0	0.0	1.5	2,049.5
09/27/20	0.0	0.0	64.0	0.0	4.5	2,054.0
3Q20 Totals	**0.0**	**0.0**	**64.0**	**0.0**	**65.0**	**2,054.0**

TOTAL SILICONE OIL RECOVERED SINCE JUNE 1999: 2,118.0 GALLONS

comments:	8-20-2020: Switched out full drum #2020-06-23-1(25 Gals.) /Installed new Drum # 2020-08-20-1
	9-10-2020: Switched out full drum #2020-08-20-1(23 Gals.) /Installed new Drum # 2020-09-10-1
	9-16-2020 Changed out Silicone Oil Belt/ Generated 5 Gal. pail of NF-312 #2020-09-16-1
	9-24-2020: Switched out drum #2020-09-10-1(12.5 Gals.) /Installed new Drum # 2020-09-24-1