

APPENDIX A

Sampling Results

APPENDIX A

SAMPLING RESULTS

This appendix presents results from Q1 2021 sampling activities described in Section 2 of the main report. Specifically, this section describes data quality presented in this report and then describes the results from the Cape Fear River PFAS Mass Load sampling program and the Cape Fear River PFAS Mass Loading Model sampling programs.

Data Quality

Analytical data were reviewed using the Data Verification Module (DVM) within the Locus™ Environmental Information Management (EIM) system, a commercial software program used to manage data. Following the DVM process, a manual review of the data was conducted. The DVM and manual review results were combined in a data review narrative report for each set of sample results, which were consistent with Stage 2b of the USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (USEPA-540-R-08-005, 2009). The narrative report summarizes which samples were qualified (if any), the specific reasons for the qualification, and any potential bias in reported results. The data usability, in view of the project's data quality objectives (DQOs), was assessed, and the data were entered into the EIM system.

The data were evaluated by the DVM against the following data usability checks:

- Hold time criteria;
- Field and laboratory blank contamination;
- Completeness of quality assurance/quality control samples;
- Matrix spike/matrix spike duplicate recoveries and the relative percent differences (RPDs) between these spikes;
- Laboratory control sample/control sample duplicate recoveries and the RPD between these spikes;
- Surrogate spike recoveries for organic analyses; and
- RPD between field duplicate sample pairs.

A manual review of the data was also conducted and includes instrument-related quality control results for calibration standards, blanks, and recoveries. The data review process (DVM plus manual review) applied the following data evaluation qualifiers to the analytical results as required:

- J Analyte present, reported value may not be accurate or precise;
- UJ Analyte not present above the reporting limit, reporting limit may not be accurate or precise; and
- B Analyte present in a blank sample, reported value may have a high bias.

The data review process described above was performed for laboratory chemical analytical data generated for the sampling event. The DQOs were met for the analytical results for accuracy and

precision. The data collected are believed to be complete, representative and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE.

Table 3+ 17 Compounds

For clarity, the text and figures of this report describe the Total Table 3+ (17 compounds) while Total Table 3+ (20 compounds) are included in the tables.

As reported in the *Matrix Interference During Analysis of Table 3+ Compounds* memorandum (Geosyntec, 2020a), matrix interference studies conducted by the analytical laboratory (TestAmerica, Sacramento) have shown that the quantitation of three compounds (R-PSDA, Hydrolyzed PSDA, and R-EVE) is inaccurate due to interferences by the sample matrix in both groundwater and surface water. Given the matrix interference issues, Total Table 3+ PFAS concentrations are calculated and presented two ways in this report: (i) summing over 17 of the 20 Table 3+ compounds “Total Table 3+ (17 compounds)”, i.e., excluding results of R-PSDA, Hydrolyzed PSDA, and R-EVE, and (ii) summing over 20 of the Table 3+ compounds “Total Table 3+ (20 compounds)”. Expressing these data as a range represents possible values of what these results might be without matrix interferences. In other words, the sum of all 17 compounds is an underestimate of the actual value while the sum of the 20 compounds is likely an overestimate of the actual value.

Cape Fear River PFAS Mass Load Sampling Results

For this Q1 2021 report, the Cape Fear River Mass Load reporting period was from January 1 to March 31, 2021. During this period, eighteen (18) primary composite samples and fourteen (14) grab samples were collected at location CFR-TARHEEL, with the last sample being collected on March 31, 2021.

Cape Fear River Mass Load QA/QC Samples

One duplicate sample (CFR-TARHEEL-24-033121-D) was collected during Q1 2021 on March 31, 2021. Equipment blanks are only performed at CFR-TARHEEL when maintenance activities (e.g. line changes) are performed on the composite sampler system. Since there were no scheduled maintenance activities at CFR-TARHEEL in Q1 2021, there were no other QA/QC samples collected for this reporting period. PFAS results for the primary (CFR-TARHEEL-24-033121) and duplicate (CFR-TARHEEL-24-033121-D) samples had relative percent differences less than 30% for the reported compounds.

Cape Fear River Mass Load PFAS Analytical Results

Analytical sample results used to estimate Cape Fear River mass loads are reported in Table A1. In Q1 2021, Total Table 3+ concentrations ranged from non-detectable above the associated reporting limit (CFR-TARHEEL-020821) to 72 ng/L (CFR-TARHEEL-24-032521). This range in concentrations is within the observed range in previous quarterly sampling events.

The concentrations over time for these samples are plotted on Figure 7 and corresponding calculated mass loads are reported in Tables 4 and 5A and plotted on Figure 8. Both figures are described in Section 3 of the main report.

PFAS Mass Loading Model Sampling Seep and Surface Water Results

For this Q1 2021 report, sampling of seep, surface water, and Cape Fear River locations occurred in January 2021 (January 26 – 28), February 2021 (February 24 – 25) and March 2021 (March 29 – 30). During these three monthly events, fifty-two (51) samples, three (3) duplicate samples, seven (7) equipment blanks and two (2) field blanks were collected.

During the reporting period between January 1, 2021, and March 31, 2021, high river stages were recorded for 43 out of 89 total days. More specifically, USGS rain gauge 02105500 indicated approximately 1.5, 0.20, and 0.25 inches of precipitation during the January, February, and March 2021 sample collection events, respectively. Consequently, due to high river flows and above average precipitation during Q1 2021, samples and flows were collected at alternate surface water locations as close as possible to the designated location. These alternate locations are noted on Figures 4A, 4B, 4C and Table 2 in the main report.

Seep and Surface Water QA/QC Samples

PFAS concentrations for surface water QA/QC samples are reported in Table A2. Seven (7) equipment blanks and two (2) field blanks were collected and none of the PFAS were detected above the associated reporting limits. Three field duplicates were collected at the Willis Creek location on January 27, 2021, the Seep A location on February 24, 2021 and the Intake River Water at Facility location on March 30, 2021. PFAS results for the primary (CAP0121-WC-1-24-012721, CAP0221-SEEP-A-1-022421, RIVER-WATER-INTAKE-24-033021) and duplicate samples (CAP0121-WC-1-24-012721-D, CAP0221-SEEP-A-1-022421-D, RIVER-WATER-INTAKE-24-033021-D) had relative percent differences less than 30% for the reported compounds; except PFMOAA (Willis Creek primary/duplicate samples) and Hydrolyzed-PSDA (Intake River Water at Facility primary/duplicate samples) , which were J-qualified.

Seeps and Surface Flow Gauging

A summary of flow rates measured for the three monthly seep and surface water events in Q1 2021 are presented in Table A3. Surface water flow gauging locations for the Q1 2021 events are shown on Figures 4A, 4B, 4C and 5 and listed in Table 2 of the main report. Details on estimated flow measurements along with measurement methods at each flow gauging location are included in Appendix B.

Seeps and Surface Water Field Parameters

Field parameters recorded for surface water samples collected during the Q1 2021 events are presented in Table A4 and the field forms are provided in Appendix C. Recorded field parameter data are generally consistent with expectations.

Seep and Surface Water PFAS Analytical Results

Analytical results for the seep, surface, and river water samples are summarized in Table A2. Figures A1-1 through A1-3, and A2 show the Total Table 3+ concentrations reported for samples collected in Q1 2021 and Figure A3 presents the HFPO-DA concentrations for Cape Fear River samples, respectively. Laboratory and DVM reports are included in Appendix D.

In general, Total Table 3+ concentrations were lowest at Intake for the Facility, Outfall 002 and in the upstream and downstream river samples, while the highest concentrations were observed at the seeps (Figures A1-1 through A1-3, and A2; Table A2). Among the river samples, Total Table 3+ concentrations ranged from not detected above the associated laboratory reporting limits (upstream at CFR-MILE-76, CFR-DCO, and 2517BOATRAMP in January, February, and March 2021, respectively) to 94 ng/L (downstream sample at CFR-TARHEEL in January 2021). Among the creeks, the Total Table 3+ concentration ranges were greater at Georgia Branch Creek¹ (1,500 to 3,100 ng/L) than at Willis Creek² (900 to 1,400 ng/L) for the samples collected in Q1 2021. Among the seeps and Old Outfall 002, Old Outfall 002 had the lowest Total Table 3+ concentrations (ranging from 10,000 to 30,000 ng/L in Q1 2021) while Seep B had the highest Total Table 3+ concentration of 220,000 ng/L (at SEEP-B-IMP in March 2021).

Figure A3 shows the HFPO-DA concentrations in the four river samples. HFPO-DA concentrations were well below 140 ng/L ranging from <2 ng/L (upstream at CFR-MILE-76, CFR-DCO, and 2517BOATRAMP in January, February, and March 2021, respectively) to 17 ng/L (downstream sample at CFR-TARHEEL in January 2021).

PFAS Mass Loading Model Sampling Groundwater Results

Three synoptic water level surveys of the onsite groundwater monitoring well network were completed in Q1 2021 (January 13-14, February 2-3 and March 5-8). Field parameters and groundwater samples were collected from 18 of the 20 CO Paragraph 16 designated in January, February and March of 2021 (Table 3). This list of groundwater wells is derived from the Corrective Action Plan (CAP) (Geosyntec, 2019a) with the exception of wells INSITU-02 and BLADEN-1S, which were removed as these wells have been dry. The two wells that could not be sampled in Q1 2021 were Bladen-1D which was damaged and PW-11 which was being pumped as part of the interim groundwater remediation activities.

¹ Due to access issues, an alternate location at Georgia Branch Creek (GBC-5) was sampled in February and March 2021 (Figures A1-2 and A1-3).

² Due to access issues, alternate locations at Willis Creek, WC-2 and WC-5, were sampled in February and March 2021, respectively (Figures A1-2 and A1-3). An additional sample was also collected at a tributary of Willis Creek (WC-1-TR2) in the March 2021 event (Figure A1-3).

Groundwater QA/QC Samples

PFAS concentrations for groundwater QA/QC samples are reported in Table A5. The following observations were noted for the QA/QC samples:

- Twenty-two equipment blank samples were collected over the three sampling events. No PFAS were detected above the associated reporting limits in all of the equipment blank samples with the exception of CAP0221-EQBLK-PP-020821. Hydrolyzed PSDA was detected at a concentration of 4.4 ng/L in CAP0221-EQBLK-PP-020821, which was B-qualified.
- Seventeen field blank samples were collected over the three sampling events where these groundwater wells were sampled. No PFAS were detected above the associated reporting limits in all of the field blank samples.
- Three field duplicate sample were collected at SMW-11 (January 2021), SMW-10 (February 2021), and PIW-1D (March 2021). PFAS results for the primary (CAP0121-SMW-11-011521, CAP0221-SMW-10-020821, CAP0321-PIW-1D-031121) and duplicate samples (CAP0121-SMW-11-011521-D, CAP0221-SMW-10-020821-D, CAP0321-PIW-1D-031121-D) had relative percent differences less than 30% for the reported compounds; except Hydro-EVE Acid (SMW-11 primary/duplicate samples), which were J-qualified.

Water Levels

Groundwater elevations were calculated for onsite and offsite wells screened in the Perched Zone, Surficial Aquifer and Black Creek Aquifer from a three synoptic water level measurement surveys performed in January, February and March 2021 (Table A6). Groundwater elevations from these synoptic water levels were used to develop potentiometric maps for the Perched Zone, Surficial Aquifer and Black Creek Aquifer (Figures A4-1 to A6-3).

Similar to Perched Zone groundwater elevations discussed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021), groundwater elevations were highest in the central portion of the Perched Zone near the Power and Monomers IXM areas of the Site (Figure A4-1, A5-1 and A6-1). Perched Zone groundwater elevations appear to be controlled by topography and the lateral extent of the clay lens.

Groundwater elevations in Surficial Aquifer wells (Figure A4-2, A5-2 and A6-2) indicate groundwater flow in the northern portion of the Site is likely to be east-northeast towards both Willis Creek and Cape Fear River, and at the southern end of the Site towards Old Outfall 002, consistent with the flow observed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021). In the southern portion of the Site, the Surficial Aquifer groundwater discharges to the Old Outfall 002 and to Seep B.

Groundwater in the Black Creek Aquifer flows in a predominantly easterly direction to the Cape Fear River (Figure A4-3, A5-3 and A6-3) similar to groundwater elevations discussed in previous

assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021). A portion of Black Creek Aquifer groundwater flow is interpreted to also flow to the northeast, towards Willis Creek (near SMW-12) and southeast, towards Old Outfall (east of PW-11 or Glengerry Road). The contours interpolated from the measured groundwater elevations were used to estimate hydraulic gradients in the Black Creek Aquifer. The hydraulic gradients were used as an input into the Mass Loading Model to estimate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass loading to the Cape Fear River. The details of the calculations can be found in Appendix E.

Groundwater Field Parameters

Field parameters recorded for groundwater samples collected during the Q1 2021 event are presented in Table A7 and the field forms are provided in Appendix C. Recorded field parameter data are generally in line with expectations for the sample locations.

Groundwater PFAS Analytical Results

Individual PFAS and Total PFAS concentrations for the groundwater samples collected in the Q1 2021 are summarized in Table A5 and Figure A7. Laboratory and DVM reports are included in Appendix D. Total Table 3+ concentrations ranged from non-detectable above associated reporting limits (PW-09; January and February 2021 samples) to 320,000 ng/L (PZ-22; March 2021 sample) with the highest concentrations observed in the LTW wells near the mouths of the seeps adjacent to the river (Figure A7).

In general, the largest proportion of Total Table 3+ concentrations are comprised of HFPO-DA, PFMOAA, PFO2HxA and perfluoromethoxypropyl carboxylic acid (PMPA) (Table A5). On an aquifer basis, lower individual and Total Table 3+ concentrations are observed in wells screened in the Surficial Aquifer. Concentrations of Total Table 3+ in Floodplain Deposits and Black Creek Aquifer groundwater (Figure A7) were similar to the seep concentrations (Figures A1-1 to A1-3). Overall, results from the Q1 2021 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021).

The results from the Q1 2021 groundwater monitoring event were used to calculate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass discharge to the Cape Fear River. The details of the calculations can be found in Appendix E.

References

- Geosyntec, 2019a. Corrective Action Plan. Chemours Fayetteville Works. December 31, 2019.
- Geosyntec, 2019b. On and Offsite Assessment. Chemours Fayetteville Works. September 30, 2019.
- Geosyntec, 2020a. Matrix Interference During Analysis of Table 3+ Compounds. Chemours Fayetteville Works. June 30, 2020.

Appendix A

Geosyntec, 2020b. Cape Fear River Table 3+ PFAS Mass Loading Assessment – First Quarter 2020 Report, Chemours Fayetteville Works. July 31, 2020.

Geosyntec, 2020c. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2020 Report, Chemours Fayetteville Works. September 30, 2020.

Geosyntec, 2020d. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2020 Report, Chemours Fayetteville Works. December 23, 2020.

Geosyntec, 2021. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2020 Report, Chemours Fayetteville Works. March 31, 2021.

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-033120	CFR-TARHEEL-83-033120-D	CAP1Q20-CFR-TARHEEL-040220	CFR-TARHEEL-48-040220
Sample Date	3/31/2020	3/31/2020	4/2/2020	4/2/2020
Sample Type	Composite	Composite	Grab	Composite
Sample Start Date and Time	3/28/20 1:00 AM	3/28/20 1:00 AM	-	3/31/20 1:00 PM
Sample Stop Date and Time	3/31/20 12:00 PM	3/31/20 12:00 PM	-	4/2/20 1:00 PM
Composite Duration (hours)	83	83	-	48
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-60098-1	320-60098-1	320-60029-1	320-60098-1
Lab Sample ID	320-60098-1	320-60098-2	320-60029-3	320-60098-3
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	<15	6.3	11	10
PFMOAA	26	29	35	42
PFO2HxA	9.3	8.9	15	14
PFO3OA	2.1	<2	3.9	3.3
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	15	12	24	17
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	8.5	7.9
Hydrolyzed PSDA	8.2 J	8.4 J	26	14 J
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	2.3	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	2.1 J	<2	6.6	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	16 J	13 J	12	12
Total Attachment C¹	52	56	89	86
Total Table 3+ (17 compounds)²	52	56	91	86
Total Table 3+ (20 compounds)	63	65	130	110

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAPIQ20-CFR-TARHEEL-24-040320	CFR-TARHEEL-83-040620	CFR-TARHEEL-79-040920	CFR-TARHEEL-83-041920
Sample Date	4/3/2020	4/6/2020	4/9/2020	4/19/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/2/20 3:00 PM	4/2/20 1:30 PM	4/5/20 11:32 PM	4/15/20 2:30 PM
Sample Stop Date and Time	4/3/20 3:00 PM	4/6/20 12:30 AM	4/9/20 6:30 AM	4/19/20 1:30 AM
Composite Duration (hours)	24	83	79	83
QA/QC				
Sample Delivery Group (SDG)	320-60032-1	320-60098-1	320-60195-1	320-60435-1
Lab Sample ID	320-60032-2	320-60098-4	320-60195-1	320-60435-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	18	17	20	5.5
PFMOAA	47	56	94	28
PFO2HxA	21	22	33	11
PFO3OA	4.8	5.5	8.1	2.6
PFO4DA	<2	<2	2.8	<2
PFO5DA	<2	<2	4.9	6.9
PMPA	31	24	31	17
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	14 J	11	13	<2
Hydrolyzed PSDA	17 B	20 J	31	9.6
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	2.1	5	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	2.8 J	<2	3.4	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	11	8.5	--	--
Total Attachment C¹	120	120	190	71
Total Table 3+ (17 compounds)²	120	130	200	71
Total Table 3+ (20 compounds)	160	160	250	81

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-042220	CFR-TARHEEL-83-042620	CFR-TARHEEL-83-042920	CFR-TARHEEL-62-050220
Sample Date	4/22/2020	4/26/2020	4/29/2020	5/2/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/19/20 2:30 AM	4/22/20 1:49 PM	4/26/20 12:49 AM	4/30/20 9:49 AM
Sample Stop Date and Time	4/22/20 1:30 PM	4/26/20 12:49 AM	4/29/20 11:49 AM	5/2/20 11:49 PM
Composite Duration (hours)	83	83	83	62
QA/QC				
Sample Delivery Group (SDG)	320-60435-1	320-60619-1	320-60619-1	320-60763-1
Lab Sample ID	320-60435-2	320-60619-1	320-60619-2	320-60763-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	12	11	13	12
PFMOAA	51	53	59	27
PFO2HxA	19	19	24	16
PFO3OA	5.1	4.8	5.8	3.5
PFO4DA	<2	<2	<2	<2
PFO5DA	5.5	<2	<2	<2
PMPA	25	21	23	24
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	7.5	13	20
Hydrolyzed PSDA	17	23	27	18
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	2.8	3.9	3.3
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	2.4	6
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	120	110	120	83
Total Table 3+ (17 compounds)²	120	110	130	86
Total Table 3+ (20 compounds)	130	140	170	130

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-050620	CFR-TARHEEL-83-051120	CFR-TARHEEL-83-051320	CAP2Q20-CFR-TARHEEL-051420
Sample Date	5/6/2020	5/11/2020	5/13/2020	5/14/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	5/3/20 12:49 AM	5/6/20 12:49 PM	5/9/20 11:49 PM	-
Sample Stop Date and Time	5/6/20 11:49 AM	5/9/20 11:49 PM	5/13/20 9:49 AM	-
Composite Duration (hours)	83	83	83	-
QA/QC				
Sample Delivery Group (SDG)	320-60763-1	320-60789-1	410-2522-1	320-60921-1
Lab Sample ID	320-60763-2	320-60789-1	410-2522-1	320-60921-3
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	6.2	9.4	13 J	24
PFMOAA	18	34	69	75
PFO2HxA	9.8	14	27	34
PFO3OA	2.1	3.8	6.7	8.9
PFO4DA	<2	<2	2 J	2.4
PFO5DA	<2	<2	<2	<2
PMPA	15	18	22	49
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2 UJ	<2
Hydro-PS Acid	<2	<2	<2 UJ	<2
R-PSDA	11	13	12 J	33
Hydrolyzed PSDA	12	15	34 J	30
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	2.3	2.9	4.6
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	2.7	5.2 J	5.6
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	9.8
Total Attachment C¹	51	79	140	190
Total Table 3+ (17 compounds)²	51	82	140	200
Total Table 3+ (20 compounds)	74	110	190	270

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP2Q20-TARHEEL-24-051420	CFR-TARHEEL-83-051620	CFR-TARHEEL-83-052020	CFR-TARHEEL-052520
Sample Date	5/14/2020	5/16/2020	5/20/2020	5/25/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	5/13/20 9:50 PM	5/13/20 9:49 AM	5/16/20 9:49 PM	-
Sample Stop Date and Time	5/14/20 8:50 PM	5/16/20 7:49 PM	5/20/20 8:49 AM	-
Composite Duration (hours)	24	83	83	-
QA/QC				
Sample Delivery Group (SDG)	410-2521-1	410-2522-1	410-2522-1	320-61296-1
Lab Sample ID	410-2521-4	410-2522-2	410-2522-3	320-61296-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	23	19 J	25	2
PFMOAA	88	94	120	<5
PFO2HxA	33	37	45	2.2
PFO3OA	8.6	8.2	10	<2
PFO4DA	2.5 J	2.5 J	3	<2
PFO5DA	<2	<2	<2	<2
PMPA	28	27	32	<10
PEPA	<20	<20	20	<20
PS Acid	<2 UJ	<2 UJ	2.2 J	<2
Hydro-PS Acid	<2 UJ	<2 UJ	<2 UJ	<2
R-PSDA	16 J	15 J	15 J	<2
Hydrolyzed PSDA	46 J	47 J	54 J	3.4
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	4.8	4.4	3.8	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	4.9 J	6.3 J	8.1 J	2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	6.7	--	--	--
Total Attachment C¹	180	190	260	4.2
Total Table 3+ (17 compounds)²	190	190	260	4.2
Total Table 3+ (20 compounds)	250	260	340	9.6

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-052920	CFR-TARHEEL-060120	CFR-TARHEEL-060120-D	CFR-TARHEEL-060520
Sample Date	5/29/2020	6/1/2020	6/1/2020	6/5/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-61296-1	320-61452-1	320-61452-1	320-61570-1
Lab Sample ID	320-61296-1	320-61452-1	320-61452-2	320-61570-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	4.5	<2	2	4.6
PFMOAA	<5	6.1	5.3	9
PFO2HxA	6.5	3.1	3.2	6.5
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<13	<13	27
PEPA	<20	<2	<2	<2
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	2.6	<2	<2
Hydrolyzed PSDA	<2	2.9	2.6	5.5
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	11	9.2	11	47
Total Table 3+ (17 compounds)²	11	9.2	11	47
Total Table 3+ (20 compounds)	11	15	13	53

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-39-060820	CFR-TARHEEL-83-061220	CFR-TARHEEL-83-061520	CFR-TARHEEL-83-061920
Sample Date	6/8/2020	6/12/2020	6/15/2020	6/19/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/5/20 11:06 AM	6/8/20 10:06 PM	6/12/20 9:06 AM	6/15/20 8:06 PM
Sample Stop Date and Time	6/8/20 9:06 PM	6/12/20 8:06 AM	6/15/20 7:06 PM	6/19/20 6:06 AM
Composite Duration (hours)	39	83	83	83
QA/QC				
Sample Delivery Group (SDG)	320-61852-1	320-61852-1	320-62010-1	320-62010-1
Lab Sample ID	320-61852-1	320-61852-2	320-62010-1	320-62010-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	6.5	10	15	16
PFMOAA	9.8	17 J	14	11
PFO2HxA	8.3	13	13	18
PFO3OA	<2	3.4	3	3.8
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	17	25	27	36
PEPA	<2	3.2	3.2	5.4
PS Acid	3.4	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	5.9	8.5 J	4.7	5.1
Hydrolyzed PSDA	7.2	9.1 J	8	7.2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	3.8 J	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	45	72	75	90
Total Table 3+ (17 compounds)²	45	72	75	90
Total Table 3+ (20 compounds)	58	93	88	100

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-062220	CFR-TARHEEL-83-062620	CFR-TARHEEL-83-062920	CFR-TARHEEL-65-070220
Sample Date	6/22/2020	6/26/2020	6/29/2020	7/2/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/19/20 7:06 AM	6/22/20 6:06 PM	6/26/20 5:06 AM	6/29/20 4:06 PM
Sample Stop Date and Time	6/22/20 5:06 PM	6/26/20 4:06 AM	6/29/20 3:06 PM	7/2/20 8:06 AM
Composite Duration (hours)	83	83	83	65
QA/QC				
Sample Delivery Group (SDG)	320-62127-1	320-62407-1	320-62407-1	320-62407-1
Lab Sample ID	320-62127-1	320-62407-1	320-62407-2	320-62407-3
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	5.8	9.9	15	19
PFMOAA	4.9	30	49	<2
PFO2HxA	8	13	18	25
PFO3OA	<2	2.8	4	5.5
PFO4DA	<2	<2	<2	2.5 J
PFO5DA	<2	<2	<2	<2
PMPA	21	20	26	27
PEPA	<2	3.2	4.5	5.2
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	5.6	11	15	4.2
Hydrolyzed PSDA	4.1	12	17	12
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	2.5	3.1
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	3.5	4.9	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	40	79	120	84
Total Table 3+ (17 compounds)²	40	79	120	87
Total Table 3+ (20 compounds)	49	110	160	100

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-070320	CFR-TARHEEL-24-070720	CFR-TARHEEL-24-071020	CFR-TARHEEL-24-071020-D
Sample Date	7/3/2020	7/7/2020	7/10/2020	7/10/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/2/20 8:29 AM	7/6/20 8:29 AM	7/9/20 12:01 PM	7/9/20 12:01 PM
Sample Stop Date and Time	7/3/20 7:29 AM	7/7/20 7:29 AM	7/10/20 11:01 AM	7/10/20 11:01 AM
Composite Duration (hours)	24	24	24	24
QA/QC				Field Duplicate
Sample Delivery Group (SDG)	320-62486-1	320-62486-1	320-62645-1	320-62645-1
Lab Sample ID	320-62486-2	320-62486-1	320-62645-1	320-62645-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	19	19	15	15
PFMOAA	60	97	77	78
PFO2HxA	26	31	25	28
PFO3OA	5.6	6.7	5.2	5.9
PFO4DA	2	3	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	39	30	26	27
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	22	23	12	12
Hydrolyzed PSDA	28	34	32	34
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	3.3	4.5	3.4	3
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	6.1	5.9	4.3	5.8
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	150	190	150	150
Total Table 3+ (17 compounds)²	150	190	150	160
Total Table 3+ (20 compounds)	210	250	200	210

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-071320	CFR-TARHEEL-24-071620	CFR-TARHEEL-24-072020	CFR-TARHEEL-24-072320
Sample Date	7/13/2020	7/16/2020	7/20/2020	7/23/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/13/20 12:01 AM	7/16/20 12:01 AM	7/20/20 12:01 AM	7/23/20 12:01 AM
Sample Stop Date and Time	7/13/20 11:01 PM	7/16/20 11:01 PM	7/20/20 11:01 PM	7/23/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-62689-1	320-62879-1	320-63057-1	320-63287-1
Lab Sample ID	320-62689-1	320-62879-1	320-63057-1	320-63287-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	16	20	26	20
PFMOAA	60	76	100	67
PFO2HxA	28	31	29	29
PFO3OA	6.9	6.5	9.4	6.6
PFO4DA	2.8	2.4	4.8	2.6
PFO5DA	<2	<2	2.7	2
PMPA	27	29	<20	24
PEPA	<10	<10	<10	<10
PS Acid	2.3	<2	2.7	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	22	13	<2	17
Hydrolyzed PSDA	32	24	<2	29
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	3.3	3.5	3.4	4.4
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	6	3.9	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C¹	140	160	170	150
Total Table 3+ (17 compounds)²	150	170	180	160
Total Table 3+ (20 compounds)	210	210	180	200

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-12-072720	CAP3Q20-CFR-TARHEEL-072820	CAP3Q20-CFR-TARHEEL-24-072920	CFR-TARHEEL-24-073020
Sample Date	7/27/2020	7/28/2020	7/29/2020	7/30/2020
Sample Type	Composite	Grab	Composite	Composite
Sample Start Date and Time	7/27/20 12:01 AM	-	7/29/20 12:01 AM	7/30/20 12:01 AM
Sample Stop Date and Time	7/27/20 11:01 AM	-	7/29/20 11:01 PM	7/30/20 11:01 PM
Composite Duration (hours)	12	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63287-1	320-63225-2	320-63304-2	320-63442-1
Lab Sample ID	320-63287-2	320-63225-1	320-63304-1	320-63442-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	14	14 J	14	11
PFMOAA	41	39	54	41
PFO2HxA	19	19	21	18
PFO3OA	3.9	4.4	5.2	5
PFO4DA	<2	<2	<2	2.7
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	12	<2	<2	<2
Hydrolyzed PSDA	14	<2	20	18
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	3.5	2.9	2.8	3.4
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	3.7	3.1	3.2
Total Attachment C¹	78	76	94	78
Total Table 3+ (17 compounds)²	81	79	97	81
Total Table 3+ (20 compounds)	110	79	120	99

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-080320	CFR-TARHEEL-080420	CFR-TARHEEL-24-080620	CFR-TARHEEL-24-081020
Sample Date	8/3/2020	8/4/2020	8/6/2020	8/10/2020
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	8/5/20 11:55 PM	8/9/20 10:38 PM
Sample Stop Date and Time	-	-	8/6/20 10:55 PM	8/10/20 9:56 PM
Composite Duration (hours)	-	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63442-1	320-63442-1	320-63737-1	320-63737-1
Lab Sample ID	320-63442-2	320-63442-3	320-63737-1	320-63737-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	15	44	4.8	7.8
PFMOAA	48	47	8.1	<2
PFO2HxA	23	37	8.1	20
PFO3OA	5.4	10	<2	6
PFO4DA	2.3	4.3	<2	2.2
PFO5DA	<2	<2	<2	<2
PMPA	21	45	<20	<20
PEPA	<10	12	<10	<10
PS Acid	<2	4.6	<2	<2
Hydro-PS Acid	<2	2.9	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	21	32	2.5	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	2.7	2.4	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4.8	4.9	2.6	4.6
Total Attachment C¹	110	210	21	36
Total Table 3+ (17 compounds)²	120	210	21	36
Total Table 3+ (20 compounds)	140	240	24	36

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-081220	CFR-TARHEEL-24-081720	CFR-TARHEEL-24-082020	CFR-TARHEEL-24-082520
Sample Date	8/12/2020	8/17/2020	8/20/2020	8/25/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	8/12/20 12:01 AM	8/17/20 12:01 AM	8/20/20 12:01 AM	8/25/20 12:01 AM
Sample Stop Date and Time	8/12/20 11:01 PM	8/17/20 11:01 PM	8/20/20 11:01 PM	8/25/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63779-1	320-64174-1	320-64174-1	320-64174-1
Lab Sample ID	320-63779-1	320-64174-5	320-64174-6	320-64174-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	5.8	3.4	6.2	7.1
PFMOAA	27	15	26	33
PFO2HxA	11	6.2	12	15
PFO3OA	2.1	<2	2.3	3
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	7.4	3.8	6.1	<2
Hydrolyzed PSDA	15	6.4	11	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	3.9	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	3.8	2.5	2.8	3.5
Total Attachment C¹	46	25	47	58
Total Table 3+ (17 compounds)²	46	25	47	58
Total Table 3+ (20 compounds)	72	35	64	58

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-082720	CFR-TARHEEL-082720-D	CFR-TARHEEL-083120	CFR-TARHEEL-24-090320
Sample Date	8/27/2020	8/27/2020	8/31/2020	9/3/2020
Sample Type	Grab	Grab	Grab	Composite
Sample Start Date and Time	-	-	-	9/3/20 12:01 AM
Sample Stop Date and Time	-	-	-	9/3/20 11:01 PM
Composite Duration (hours)	-	-	-	24
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-64174-1	320-64174-1	320-64174-1	320-64517-1
Lab Sample ID	320-64174-2	320-64174-3	320-64174-4	320-64517-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	12	12	18	7.8
PFMOAA	63	64	100	21
PFO2HxA	24	24	35	12
PFO3OA	5.3	5.6	7.8	3.4
PFO4DA	2	<2	2.8	<2
PFO5DA	<2	<2	<2	<2
PMPA	23	23	31	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	2.7	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2 UJ	8 J	11	3.4
Hydrolyzed PSDA	22	23	38	8.6
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	2.7	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	2.9	4.7	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	3.7	4	5.6	2.5
Total Attachment C¹	130	130	200	44
Total Table 3+ (17 compounds)²	130	130	200	44
Total Table 3+ (20 compounds)	150	160	250	56

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-090720	CFR-TARHEEL-24-091020	CFR-TARHEEL-24-091420	CFR-TARHEEL-24-091720
Sample Date	9/7/2020	9/10/2020	9/14/2020	9/17/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/7/20 12:01 AM	9/10/20 12:01 AM	9/14/20 12:01 AM	9/17/20 12:01 AM
Sample Stop Date and Time	9/7/20 11:01 PM	9/10/20 11:01 PM	9/14/20 11:01 PM	9/17/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-64517-1	320-64776-1	320-64776-1	320-64846-1
Lab Sample ID	320-64517-2	320-64776-1	320-64776-2	320-64846-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	12	26	18	25
PFMOAA	26	55	36	<2
PFO2HxA	17	31	25	32
PFO3OA	4.2	7.3	5.3	7.2
PFO4DA	<2	2.1	<2	2.7
PFO5DA	<2	<2	<2	<2
PMPA	<20	30	<20	33
PEPA	<10	<10	<10	<10
PS Acid	<2	3.7	<2	2
Hydro-PS Acid	<2	<2	<2	2.8
R-PSDA	<2	14	4.2	9.7
Hydrolyzed PSDA	15	41	24	29
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	3	4	5.8
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	6.3	<2	3.2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	2.3	5.5	4.8	5
Total Attachment C¹	59	160	84	100
Total Table 3+ (17 compounds)²	59	160	88	110
Total Table 3+ (20 compounds)	74	220	120	150

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-11-091820	CFR-TARHEEL-24-092120	CFR-TARHEEL-24-092420	CFR-TARHEEL-24-092420-2
Sample Date	9/18/2020	9/21/2020	9/24/2020	9/24/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/18/20 12:01 AM	9/21/20 12:01 AM	9/24/20 12:01 AM	9/24/20 12:01 AM
Sample Stop Date and Time	9/18/20 10:01 AM	9/21/20 11:01 PM	9/24/20 11:01 PM	9/24/20 11:01 PM
Composite Duration (hours)	11	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-64920-1	320-65132-1	320-65132-1	320-65132-1
Lab Sample ID	320-64920-1	320-65132-1	320-65132-2	320-65132-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	42	7.3	11	11
PFMOAA	<2	7.9	14	14
PFO2HxA	39	8.7	9.8	9.8
PFO3OA	9	<2	2.9	2.9
PFO4DA	4.2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	46	34	31	31
PEPA	11	<10	<10	<10
PS Acid	8.3	<2	<2	<2
Hydro-PS Acid	4.3	<2	<2	<2
R-PSDA	52	<2	<2	<2
Hydrolyzed PSDA	47	9.4	11	11
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	5.7	<2	<2	<2
EVE Acid	2.4	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	7.5	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4.3	4.1 J	5.6 J	5.6 J
Total Attachment C¹	160	58	69	69
Total Table 3+ (17 compounds)²	170	58	69	69
Total Table 3+ (20 compounds)	280	67	80	80

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-092520	CFR-TARHEEL-24-092620	CFR-TARHEEL-24-092820	CFR-TARHEEL-24-092920
Sample Date	9/25/2020	9/26/2020	9/28/2020	9/29/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/25/20 12:01 AM	9/26/20 12:01 AM	9/28/20 12:01 AM	9/29/20 12:01 AM
Sample Stop Date and Time	9/25/20 11:01 PM	9/26/20 11:01 PM	9/28/20 11:01 PM	9/29/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-65132-1	320-65132-1	320-65188-1	320-65521-1
Lab Sample ID	320-65132-3	320-65132-4	320-65188-1	320-65521-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	11	12	6.1	5.3
PFMOAA	12	8.8	6.3	4.1
PFO2HxA	12	13	6.2	6.8
PFO3OA	2.9	2.6	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	32	34	32	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	14	13	7.1	5.4
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	5.7 J	5.1 J	3.4 J	3.9
Total Attachment C¹	70	70	51	16
Total Table 3+ (17 compounds)²	70	70	51	16
Total Table 3+ (20 compounds)	84	83	58	22

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q3 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-093020	CFR-TARHEEL-18-100120	CFR-TARHEEL-9-100620	CFR-TARHEEL-24-100820
Sample Date	9/30/2020	10/1/2020	10/6/2020	10/8/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/30/20 12:01 AM	10/1/2020 0:01	10/6/20 14:30	10/7/2020 17:30
Sample Stop Date and Time	9/30/20 11:01 PM	10/1/2020 17:01	10/6/20 23:30	10/8/2020 16:30
Composite Duration (hours)	24	18	9	24
QA/QC				
Sample Delivery Group (SDG)	320-65283-1	320-65521-1	320-65521-1	320-65521-1
Lab Sample ID	320-65283-1	320-65521-2	320-65521-3	320-65521-4
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	11	5.3	8.1	13
PFMOAA	23	2.9	3.9	7.4
PFO2HxA	12	6.6	9.9	15
PFO3OA	2.5	<2	2.1	3.6
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	25	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	7.4	<2	<2	<2
Hydrolyzed PSDA	12	<2	5.1	7.6
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	2.9	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4.9	5.5	5.4	5.5
Total Attachment C¹	74	15	24	39
Total Table 3+ (17 compounds)²	74	15	24	39
Total Table 3+ (20 compounds)	96	15	29	47

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-101220	CFR-TARHEEL-24-101520	CFR-TARHEEL-24-101920	CFR-TARHEEL-24-102220
Sample Date	10/12/2020	10/15/2020	10/19/2020	10/22/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/12/2020 0:01	10/15/2020 0:01	10/19/2020 0:01	10/22/2020 0:01
Sample Stop Date and Time	10/12/2020 23:01	10/15/2020 23:01	10/19/2020 23:01	10/22/2020 23:01
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-65571-1	320-65803-1	320-65803-1	320-66072-1
Lab Sample ID	320-65571-1	320-65803-1	320-65803-2	320-66072-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	23	4.5	6	7.2
PFMOAA	54	15	18	7
PFO2HxA	30	6.9	7.6	8.3
PFO3OA	13	<2	<2	<2
PFO4DA	7.9	<2	<2	<2
PFO5DA	3.5	<2	<2	<2
PMPA	33	<20	<20	28
PEPA	<10	<10	<10	<10
PS Acid	2.2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	20	3.4	4.1	<2
Hydrolyzed PSDA	21	5	6.2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	3.1	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	4.7	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4	3.8	5.5	5.1
Total Attachment C¹	170	26	32	51
Total Table 3+ (17 compounds)²	170	26	32	51
Total Table 3+ (20 compounds)	220	35	42	51

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-12-103020	CFR-TARHEEL-24-103120	CFR-TARHEEL-24-110220	CFR-TARHEEL-24-110520
Sample Date	10/30/2020	10/31/2020	11/2/2020	11/5/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/30/2020 12:01	10/31/2020 0:01	11/2/2020 0:01	11/5/20 0:01
Sample Stop Date and Time	10/30/20 23:01	10/31/20 23:01	11/2/2020 23:01	11/5/20 23:01
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-66384-1	320-66384-1	320-66384-1	320-66511-1
Lab Sample ID	320-66384-1	320-66384-2	320-66384-3	320-66511-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	11	8.8	7	5.9
PFMOAA	29	27	15	22
PFO2HxA	13	11	8.5	9.3
PFO3OA	3.1	2.5	<2	2.2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	21	20	26
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	11 J	9.1 J	<2	<2
Hydrolyzed PSDA	8.5	6.1	3.9	5.2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	3.5	3.8	3.3	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	2.8 J	2.2 J	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4.5	4.9	6	4.9
Total Attachment C¹	56	70	51	65
Total Table 3+ (17 compounds)²	60	74	54	65
Total Table 3+ (20 compounds)	82	92	58	71

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-110920	CFR-TARHEEL-24-111120	CFR-TARHEEL-20-111220	CFR-TARHEEL-111320
Sample Date	11/9/2020	11/11/2020	11/12/2020	11/13/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	11/9/2020 0:01	11/11/2020 0:01	11/12/2020 0:01	--
Sample Stop Date and Time	11/9/2020 23:01	11/11/2020 23:01	11/12/2020 19:01	--
Composite Duration (hours)	24	24	20	--
QA/QC				
Sample Delivery Group (SDG)	320-66794-1	320-66794-1	320-66794-1	320-67088-1
Lab Sample ID	320-66794-1	320-66794-2	320-66794-3	320-67088-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	12 J	14	46	2.8
PFMOAA	35 J	38	48	<2
PFO2HxA	17 J	18	45	3.3
PFO3OA	3.9 J	3.6	11	<2
PFO4DA	<2 UJ	<2	7.3	<2
PFO5DA	<2 UJ	<2	5.3	<2
PMPA	22 J	<20	52	<20
PEPA	<10 UJ	<10	16	<10
PS Acid	<2 UJ	<2	2.6	<2
Hydro-PS Acid	<2 UJ	<2	2.9	<2
R-PSDA	16 J	16	39	<2
Hydrolyzed PSDA	14 J	15	21	<2
R-PSDCA	<2 UJ	<2	<2	<2
NVHOS, Acid Form	2.8 J	3.8	3.3	<2
EVE Acid	<2 UJ	<2	2.1	<2
Hydro-EVE Acid	<2 UJ	<2	<2	<2
R-EVE	3.4 J	3.9	11	<2
PES	<2 UJ	<2	<2	<2
PFECA B	<2 UJ	<2	<2	<2
PFECA-G	<2 UJ	<2	<2	<2
Perfluoroheptanoic Acid	4.2 J	3.8	3.6	3.1
Total Attachment C¹	90	74	240	6.1
Total Table 3+ (17 compounds)²	93	77	240	6.1
Total Table 3+ (20 compounds)	130	110	310	6.1

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL ³	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-111820	CFR-TARHEEL-112020	CFR-TARHEEL-24-112420	CFR-TARHEEL-24-112420	CFR-TARHEEL-24-112620
Sample Date	11/18/2020	11/20/2020	11/24/2020	11/24/2020	11/26/2020
Sample Type	Grab	Grab	Composite	Composite	Composite
Sample Start Date and Time	--	--	11/24/2020 0:01	11/24/2020 0:01	11/26/2020 0:01
Sample Stop Date and Time	--	--	11/24/2020 23:01	11/24/2020 23:01	11/26/2020 23:01
Composite Duration (hours)	--	--	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-67088-1	320-67088-1	320-67335-1	320-67335-2	320-67335-1
Lab Sample ID	320-67088-2	320-67088-3	320-67335-1	320-67335-1	320-67335-2
<i>Table 3+ SOP (ng/L)</i>					
Hfpo Dimer Acid	6	6.1	<2	7.2 J	100
PFMOAA	8.1	10	<2	18 J	23 J
PFO2HxA	7.7	7.5	2.3	6.1 J	100
PFO3OA	<2	<2	<2	<2 UJ	14
PFO4DA	<2	<2	<2	<2 UJ	13
PFO5DA	<2	<2	<2	<2 UJ	<2
PMPA	<20	<20	<20	<20 UJ	92
PEPA	<10	<10	<10	<10 UJ	27
PS Acid	<2	<2	<2	<2 UJ	<2
Hydro-PS Acid	<2	<2	<2	<2 UJ	8
R-PSDA	6.2	7.1	<2	3.3 J	5.5
Hydrolyzed PSDA	2.5	4.9	<2	3.5 J	<2
R-PSDCA	<2	<2	<2	<2 UJ	<2
NVHOS, Acid Form	<2	<2	<2	<2 UJ	<2
EVE Acid	<2	<2	<2	<2 UJ	<2
Hydro-EVE Acid	<2	<2	<2	<2 UJ	<2
R-EVE	<2	<2	<2	<2 UJ	3
PES	<2	<2	<2	<2 UJ	<2
PFECA B	<2	<2	<2	<2 UJ	<2
PFECA-G	<2	<2	<2	<2 UJ	<2
Perfluoroheptanoic Acid	2.6	3.3	<2	4.5 J	2.9
Total Attachment C¹	22	24	2.3	31	380
Total Table 3+ (17 compounds)²	22	24	2.3	31	380
Total Table 3+ (20 compounds)	31	36	2.3	38	390

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL ³	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-112620	CFR-TARHEEL-24-113020	CFR-TARHEEL-24-120320	CFR-TARHEEL-24-120720	CFR-TARHEEL-24-121020
Sample Date	11/26/2020	11/30/2020	12/3/2020	12/7/2020	12/10/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/26/2020 0:01	11/30/2020 0:01	12/3/2020 0:01	12/7/2020 0:01	12/10/2020 0:01
Sample Stop Date and Time	11/26/2020 23:01	11/30/2020 23:01	12/3/2020 23:01	12/7/2020 23:01	12/10/2020 23:01
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-67335-2	320-67618-1	320-67618-1	320-67847-1	320-67870-1
Lab Sample ID	320-67335-2	320-67618-1	320-67618-2	320-67847-1	320-67870-1
<i>Table 3+ SOP (ng/L)</i>					
Hfpo Dimer Acid	7.8 J	18	4.4	5.5	5.7
PFMOAA	21 J	32	9.5	13	18
PFO2HxA	7.4 J	14	4.4	6	5.7
PFO3OA	<2 UJ	3.2	<2	<2	<2
PFO4DA	<2 UJ	<2	<2	<2	<2
PFO5DA	<2 UJ	<2	<2	<2	<2
PMPA	<20 UJ	27	28	<20	<20
PEPA	<10 UJ	<10	<10	<10	<10
PS Acid	<2 UJ	<2	<2	<2	<2
Hydro-PS Acid	<2 UJ	<2	<2	<2	<2
R-PSDA	4.1 J	8.4	3.9	6.3	<2
Hydrolyzed PSDA	4.3 J	9.6	3.1	5.9	<2
R-PSDCA	<2 UJ	<2	<2	<2	<2
NVHOS, Acid Form	<2 UJ	<2	<2	<2	<2
EVE Acid	<2 UJ	<2	<2	<2	<2
Hydro-EVE Acid	<2 UJ	<2	<2	<2	<2
R-EVE	<2 UJ	3.2	<2	2.9	<2
PES	<2 UJ	<2	<2	<2	<2
PFECA B	<2 UJ	<2	<2	<2	<2
PFECA-G	<2 UJ	<2	<2	<2	<2
Perfluoroheptanoic Acid	5.7 J	4.8	4	4.3	3.7
Total Attachment C¹	36	94	46	25	29
Total Table 3+ (17 compounds)²	36	94	46	25	29
Total Table 3+ (20 compounds)	45	120	53	40	29

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-121320	CFR-TARHEEL-12-121420	CAP1220-CFR-TARHEEL-121520	CAP1220-TARHEEL-121620
Sample Date	12/13/2020	12/14/2020	12/15/2020	12/16/2020
Sample Type	Composite	Composite	Grab	Grab
Sample Start Date and Time	12/13/20 0:01	12/14/2020 0:59	--	--
Sample Stop Date and Time	12/13/20 23:01	12/14/2020 11:59	--	--
Composite Duration (hours)	24	12	--	--
QA/QC				
Sample Delivery Group (SDG)	320-68141-1	320-68141-1	320-68082-1	320-68080-1
Lab Sample ID	320-68141-1	320-68141-2	320-68082-4	320-68080-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	9	9.4	7.6	11
PFMOAA	25	27	14	20
PFO2HxA	9.2	9.9	8.6	9.7
PFO3OA	<2	2.1	<2	2.6
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	25	27
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	7.4 J	7.4 J	13	<2
Hydrolyzed PSDA	6.9	7.4	8.6 J	9.2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	4.1
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	2.3	2.4	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	5.3	4.1	3.9	4.3
Total Attachment C¹	43	48	55	70
Total Table 3+ (17 compounds)²	43	48	55	74
Total Table 3+ (20 compounds)	60	66	77	84

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-121720	CFR-TARHEEL-122120	CFR-TARHEEL-122320	CFR-TARHEEL-122420
Sample Date	12/17/2020	12/21/2020	12/23/2020	12/24/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	--	--	--	--
Sample Stop Date and Time	--	--	--	--
Composite Duration (hours)	--	--	--	--
QA/QC				
Sample Delivery Group (SDG)	320-68141-1	320-68261-1	320-68338-1	320-68338-1
Lab Sample ID	320-68141-3	320-68261-1	320-68338-1	320-68338-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	3.2	3.9	3.5	12
PFMOAA	6.9	9.9	<2	17
PFO2HxA	3.1	3.7	3.6	9
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	4.3 J	3.3 J	<2	13 J
Hydrolyzed PSDA	2.2	3.1	3.2 J	11 J
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	4.5	3.9	3.4	3.8
Total Attachment C¹	13	18	7.1	38
Total Table 3+ (17 compounds)²	13	18	7.1	38
Total Table 3+ (20 compounds)	20	24	10	62

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-122820	CFR-TARHEEL-123020	CFR-TARHEEL-010621	CFR-TARHEEL-010721
Sample Date	12/28/2020	12/30/2020	1/6/2021	1/7/2021
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	--	--	-	-
Sample Stop Date and Time	--	--	-	-
Composite Duration (hours)	--	--	-	-
QA/QC				
Sample Delivery Group (SDG)	320-68338-1	320-68393-1	320-68684-1	320-68684-1
Lab Sample ID	320-68338-3	320-68393-1	320-68684-1	320-68684-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	3	4.4	2.8	3.3
PFMOAA	<2	12	3.0	<2.0
PFO2HxA	2.5	4.8	3.5	3.7
PFO3OA	<2	<2	<2.0	<2.0
PFO4DA	<2	<2	<2.0	<2.0
PFO5DA	<2	<2	<2.0	<2.0
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2.0	<2.0
Hydro-PS Acid	<2	<2	<2.0	<2.0
R-PSDA	<2	5.6	<2.0	<2.0
Hydrolyzed PSDA	2 J	4.3	<2.0	<2.0 UJ
R-PSDCA	<2	<2	<2.0	<2.0
NVHOS, Acid Form	<2	<2	<2.0	<2.0
EVE Acid	<2	<2	<2.0	<2.0
Hydro-EVE Acid	<2	<2	<2.0	<2.0
R-EVE	<2	2.8	<2.0	<2.0
PES	<2	<2	<2.0	<2.0
PFECA B	<2	<2	<2.0	<2.0
PFECA-G	<2	<2	<2.0	<2.0
Perfluoroheptanoic Acid	3.4	3.5	<2.0	<2.0
Total Attachment C¹	5.5	21	9.3	7.0
Total Table 3+ (17 compounds)²	5.5	21	9.3	7.0
Total Table 3+ (20 compounds)	7.5	34	9.3	7.0

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-011121	CFR-TARHEEL-011421	CFR-TARHEEL-24-012121	CFR-TARHEEL-24-012221	CAP0121-CFR-TARHEEL-012621
Sample Date	1/11/2021	1/14/2021	1/21/2021	1/22/2021	1/26/2021
Sample Type	Grab	Grab	Composite	Composite	Grab
Sample Start Date and Time	-	-	1/21/21 12:01 AM	1/22/21 12:01 AM	-
Sample Stop Date and Time	-	-	1/21/21 11:01 PM	1/22/21 11:01 PM	-
Composite Duration (hours)	-	-	24	24	-
QA/QC					
Sample Delivery Group (SDG)	320-68930-1	320-68930-1	320-69493-1	320-69493-1	320-69424-1
Lab Sample ID	320-68930-1	320-68930-2	320-69493-1	320-69493-2	320-69424-4
<i>Table 3+ SOP (ng/L)</i>					
Hfpo Dimer Acid	5.7	9.3	9.4	10	17
PFMOAA	13	21	21	23	36
PFO2HxA	5.7	10	8.4	8.4	13
PFO3OA	<2.0	2.0	<2.0	<2.0	3.2
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2
PMPA	<20	<20	14	14	20
PEPA	<10	<10	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	2.1
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2
R-PSDA	3.9	4.6	5.6	6.5	20
Hydrolyzed PSDA	2.8	4.2	7.2	7.9	9.6
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2
NVHOS, Acid Form	<2.0	<2.0	<2.0	<2.0	3
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2
R-EVE	<2.0	<2.0	<2.0	<2.0	4.3
PES	<2.0	<2.0	<2.0	<2.0	<2
PFECA B	<2.0	<2.0	<2.0	<2.0	<2
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2
Perfluoroheptanoic Acid	<2.0	<2.0	2.3	2.4	2.2
Total Attachment C¹	24	42	53	55	91
Total Table 3+ (17 compounds)²	24	42	53	55	94
Total Table 3+ (20 compounds)	31	51	66	70	130

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0121-CFR-TARHEEL-24-012721	CFR-TARHEEL-24-012721	CFR-TARHEEL-24-012821	CFR-TARHEEL-020121
Sample Date	1/27/2021	1/27/2021	1/28/2021	2/1/2021
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	1/26/21 4:10 PM	1/26/21 4:10 PM	1/28/21 12:01 AM	-
Sample Stop Date and Time	1/27/21 3:10 PM	1/27/21 3:10 PM	1/28/21 11:01 PM	-
Composite Duration (hours)	24	24	24	-
QA/QC				
Sample Delivery Group (SDG)	320-69495-2	320-69606-1	320-69606-1	320-69862-1
Lab Sample ID	320-69495-2	320-69606-1	320-69606-2	320-69862-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	11	9.1	7.4	5.5
PFMOAA	23	23	16	8.6
PFO2HxA	12	9.2	7.0	4.8
PFO3OA	2	<2.0	<2.0	<2.0
PFO4DA	<2	<2.0	<2.0	<2.0
PFO5DA	<2	<2.0	<2.0	<2.0
PMPA	19	17	14	13
PEPA	<20	<20	<20	<20
PS Acid	<2	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2.0	<2.0	<2.0
R-PSDA	9.6	6.8	5.9	<2.0
Hydrolyzed PSDA	7.8	6.2	4.8	2.8
R-PSDCA	<2	<2.0	<2.0	<2.0
NVHOS, Acid Form	<2	<2.0	<2.0	<2.0
EVE Acid	<2	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2.0	<2.0	<2.0
R-EVE	3.2	2.7	<2.0	<2.0
PES	<2	<2.0	<2.0	<2.0
PFECA B	<2	<2.0	<2.0	<2.0
PFECA-G	<2	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.1	2.3	2.5	3.0
Total Attachment C¹	67	58	44	32
Total Table 3+ (17 compounds)²	67	58	44	32
Total Table 3+ (20 compounds)	88	74	55	35

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-020421	CFR-TARHEEL-020821	CFR-TARHEEL-38-021221	CFR-TARHEEL-021621
Sample Date	2/4/2021	2/8/2021	2/12/2021	2/16/2021
Sample Type	Grab	Grab	Composite	Grab
Sample Start Date and Time	-	-	2/11/21 12:01 AM	-
Sample Stop Date and Time	-	-	2/12/21 2:01 PM	-
Composite Duration (hours)	-	-	38	-
QA/QC				
Sample Delivery Group (SDG)	320-69862-1	320-70504-1	320-70504-1	320-70504-1
Lab Sample ID	320-69862-2	320-70504-2	320-70504-1	320-70504-3
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	4.5	<2.0	10	4.1
PFMOAA	<2.0	<2.0	24	<2.0
PFO2HxA	4.6	<2.0 UJ	8.2 J	3.2
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	10	<10	20	15
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	5.1	<2.0
Hydrolyzed PSDA	4.4	<2.0	6.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS, Acid Form	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	2.4	4.0	3.5	2.6
Total Attachment C¹	19	0.0	62	22
Total Table 3+ (17 compounds)²	19	0.0	62	22
Total Table 3+ (20 compounds)	24	0.0	73	22

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL ⁴	CFR-TARHEEL	CFR-TARHEEL ⁴
Field Sample ID	CFR-TARHEEL-021921	CFR-TARHEEL-022221	CFR-TARHEEL-022221	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-TARHEEL-022421
Sample Date	2/19/2021	2/22/2021	2/22/2021	2/24/2021	2/24/2021
Sample Type	Grab	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-	-
Sample Stop Date and Time	-	-	-	-	-
Composite Duration (hours)	-	-	-	-	-
QA/QC					
Sample Delivery Group (SDG)	320-70504-1	320-70653-1	320-70653-2	320-70619-1	320-70619-2
Lab Sample ID	320-70504-4	320-70653-1	320-70653-1	320-70619-2	320-70619-2
<i>Table 3+ SOP (ng/L)</i>					
Hfpo Dimer Acid	8.4	7.3	5.7 J	12	4.3 J
PFMOAA	8.9	6.6	6.4 J	20	8.7 J
PFO2HxA	4.4	5.2	7.0 J	7	5 J
PFO3OA	<2.0	<2.0	2.2 J	<2	<2 UJ
PFO4DA	<2.0	<2.0	<2.0 UJ	2.7 J	<2 UJ
PFO5DA	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
PMPA	16	14	12 J	<10	8.4 J
PEPA	<20	<20	2.4 J	<20	<2 UJ
PS Acid	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ	2.9	<2 UJ
R-PSDA	4.8	3.6	7.1 J	3.4	4.7 J
Hydrolyzed PSDA	3.0	2.8	3.2 J	2.6	2.4 J
R-PSDCA	<2.0	<2.0	<3.0 UJ	<2	<3 UJ
NVHOS, Acid Form	<2.0	<2.0	<3.0 UJ	<2	<3 UJ
EVE Acid	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ	4	<2 UJ
R-EVE	<2.0	<2.0	2.1 J	<2	<2 UJ
PES	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
PFECA B	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
PFECA-G	<2.0	<2.0	<2.0 UJ	<2	<2 UJ
Perfluoroheptanoic Acid	<2.0	2.8	<2.0 UJ	2.1	<2 UJ
Total Attachment C¹	38	33	36	45	26
Total Table 3+ (17 compounds)²	38	33	36	49	26
Total Table 3+ (20 compounds)	46	40	48	55	34

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL ⁴	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-022521	CFR-TARHEEL-022521	CFR-TARHEEL-24-030521	CFR-TARHEEL-24-030621
Sample Date	2/25/2021	2/25/2021	3/5/2021	3/6/2021
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	3/5/21 12:01 AM	3/6/21 12:01 AM
Sample Stop Date and Time	-	-	3/5/21 11:01 PM	3/6/21 11:01 PM
Composite Duration (hours)	-	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-70653-1	320-70653-2	320-71137-1	320-71137-1
Lab Sample ID	320-70653-2	320-70653-2	320-71137-1	320-71137-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	5.5	5.5 J	4.5	28
PFMOAA	7.4	10 J	12	11
PFO2HxA	5.5	5.7 J	5.2	4.7
PFO3OA	<2.0	<2.0 UJ	<2.0	<2.0
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	12	9.1 J	<10	<10
PEPA	<20	<2.0 UJ	<20	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	2.9	5.9 J	7.2	6.3
Hydrolyzed PSDA	2.3	2.8 J	4.8	3.9
R-PSDCA	<2.0	<3.0 UJ	<2.0	<2.0
NVHOS, Acid Form	<2.0	<3.0 UJ	<2.0	<2.0
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0	2.2 J	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	3.3	<2.0 UJ	3.4	4.0
Total Attachment C¹	30	30	22	44
Total Table 3+ (17 compounds)²	30	30	22	44
Total Table 3+ (20 compounds)	36	36	34	54

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-030821	CFR-TARHEEL-24-031121	CFR-TARHEEL-24-031521	CFR-TARHEEL-24-031821
Sample Date	3/8/2021	3/11/2021	3/15/2021	3/18/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/8/21 12:01 AM	3/11/21 12:01 AM	3/15/21 12:01 AM	3/18/21 12:01 AM
Sample Stop Date and Time	3/8/21 11:01 PM	3/11/21 11:01 PM	3/16/21 12:01 AM	3/18/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-71410-1	320-71410-1	320-71660-1	320-71660-1
Lab Sample ID	320-71410-1	320-71410-2	320-71660-1	320-71660-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	5.8	8.0	7.4	5.0
PFMOAA	12	20	19	13
PFO2HxA	4.5	7.2	6.7	5.2
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	14	12	11
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	3.8	4.5	4.1	3.8
Hydrolyzed PSDA	2.3	4.2	3.7	2.9
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS, Acid Form	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.9	3.6	4.3	3.8
Total Attachment C¹	22	49	45	34
Total Table 3+ (17 compounds)²	22	49	45	34
Total Table 3+ (20 compounds)	28	58	53	41

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL ⁵	CFR-TARHEEL ⁵	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421-Z	CFR-TARHEEL-24-032521
Sample Date	3/24/2021	3/24/2021	3/24/2021	3/25/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/24/21 12:01 AM	3/24/21 12:01 AM	3/24/21 12:01 AM	3/25/21 12:01 AM
Sample Stop Date and Time	3/24/21 11:01 PM	3/24/21 11:01 PM	3/24/21 11:01 PM	3/25/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-73243-1	320-73243-2	320-73243-2	320-73243-1
Lab Sample ID	320-73243-1	320-73243-1	320-73243-1Z	320-73243-2
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	70 J	9.0 J	8.4 J	13 J
PFMOAA	13 J	20 J	23 J	10 J
PFO2HxA	10 J	13 J	12 J	8.2 J
PFO3OA	3.0 J	2.2 J	<2.0 UJ	<2.0 UJ
PFO4DA	2.5 J	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	22 J	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	21 J	17 J	12 J	19 J
PEPA	<20 UJ	4.1 J	3.6 J	<20 UJ
PS Acid	510 J	<2.0 UJ	<2.0 UJ	15 J
Hydro-PS Acid	130 J	<2.0 UJ	<2.0 UJ	4.1 J
R-PSDA	37 J	22 J	19 J	<2.0 UJ
Hydrolyzed PSDA	23 J	14 J	11 J	7.1 J
R-PSDCA	6.5 J	<3.0 UJ	<3.0 UJ	<2.0 UJ
NVHOS, Acid Form	5.9 J	9.2 J	14 J	2.4 J
EVE Acid	33 J	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	4.6 J	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0 UJ	5.3 J	5.7 J	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	4.3 J	3.2 J	3.4 J	6.5 J
Total Attachment C¹	780	65	59	69
Total Table 3+ (17 compounds)²	830	75	73	72
Total Table 3+ (20 compounds)	890	120	110	79

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL ⁵	CFR-TARHEEL ⁵	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032521	CFR-TARHEEL-24-032521	CAP0321-CFR-TARHEEL-032921	CFR-TARHEEL-24-032921
Sample Date	3/25/2021	3/25/2021	3/29/2021	3/29/2021
Sample Type	Composite	Composite	Grab	Composite
Sample Start Date and Time	3/25/21 12:01 AM	3/25/21 12:01 AM	-	3/29/21 12:01 AM
Sample Stop Date and Time	3/25/21 11:01 PM	3/25/21 11:01 PM	-	3/29/21 11:01 PM
Composite Duration (hours)	24	24	-	24
QA/QC				
Sample Delivery Group (SDG)	320-73243-1	320-73243-2	320-73243-2	320-72329-1
Lab Sample ID	320-73243-2	320-73243-2	320-73243-2Z	320-72329-1
<i>Table 3+ SOP (ng/L)</i>				
Hfpo Dimer Acid	13 J	8.2 J	6.4 J	3.4
PFMOAA	10 J	20 J	20 J	8.0
PFO2HxA	8.2 J	12 J	12 J	4.7
PFO3OA	<2.0 UJ	2.6 J	2.3 J	<2.0
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PMPA	19 J	12 J	12 J	<10
PEPA	<20 UJ	3.2 J	3.7 J	<20
PS Acid	15 J	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	4.1 J	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0 UJ	15 J	17 J	<2.0
Hydrolyzed PSDA	7.1 J	9.2 J	10 J	4.0
R-PSDCA	<2.0 UJ	<3.0 UJ	<3.0 UJ	<2.0
NVHOS, Acid Form	2.4 J	3.0 J	7.8 J	<2.0
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0 UJ	4.9 J	5.2 J	<2.0
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	6.5 J	3.7 J	3.6 J	2.3
Total Attachment C¹	69	58	56	16
Total Table 3+ (17 compounds)²	72	61	64	16
Total Table 3+ (20 compounds)	79	90	96	20

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2020	Q2 2020
Location ID	CFR-TARHEEL ⁶	CFR-TARHEEL	CFR-TARHEEL	EQBLK	EB
Field Sample ID	CAP0321-CFR-TARHEEL-21-033021	CFR-TARHEEL-24-033121	CFR-TARHEEL-24-033121-D	CFR-EQBLK-1-040820	CFR-TARHEEL-EB-052520
Sample Date	3/30/2021	3/31/2021	3/31/2021	4/8/2020	5/25/2020
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	3/29/21 12:50 PM	3/31/21 12:01 AM	3/31/21 12:01 AM	-	-
Sample Stop Date and Time	3/30/21 8:50 AM	3/31/21 11:01 PM	3/31/21 11:01 PM	-	-
Composite Duration (hours)	21	24	24	-	-
QA/QC			Field Duplicate	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-71975-1	320-72329-1	320-72329-1	320-60098-1	320-61296-1
Lab Sample ID	320-71975-4	320-72329-2	320-72329-3	320-60098-5	320-61296-4
<i>Table 3+ SOP (ng/L)</i>					
Hfpo Dimer Acid	2.9	4.2	4.2	<4	<2
PFMOAA	5.5	6.6	7.2	<5	<5
PFO2HxA	2.3	3.7	3.8	<2	<2
PFO3OA	<2	<2.0	<2.0	<2	<2
PFO4DA	<2	<2.0	<2.0	<2	<2
PFO5DA	<2	<2.0	<2.0	<2	<2
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2.0	<2.0	<2	<2
Hydro-PS Acid	<2	<2.0	<2.0	<2	<2
R-PSDA	7.2	<2.0	<2.0	<2	<2
Hydrolyzed PSDA	2.2	3.1 J	3.0	<2	<2
R-PSDCA	<2	<2.0	<2.0	<2	<2
NVHOS, Acid Form	<2	<2.0	<2.0	<2	<2
EVE Acid	<2	<2.0	<2.0	<2	<2
Hydro-EVE Acid	<2	<2.0	<2.0	<2	<2
R-EVE	<2	<2.0	<2.0	<2	<2
PES	<2	<2.0	<2.0	<2	<2
PFECA B	<2	<2.0	<2.0	<2	<2
PFECA-G	<2	<2.0 UJ	<2.0	<2	<2
Perfluoroheptanoic Acid	3.7	2.6	3.1	<2	--
Total Attachment C¹	11	15	15	ND	ND
Total Table 3+ (17 compounds)²	11	15	15	ND	ND
Total Table 3+ (20 compounds)	20	18	18	ND	ND

**TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q3 2020
Location ID	EB	FBLK	FBLK	EB
Field Sample ID	CFR-TARHEEL-EB-060120	CFR-TARHEEL-FB-052520	CFR-TARHEEL-FB-060120	CAP3Q20-EQBLK-ISCO-072920
Sample Date	6/1/2020	5/25/2020	6/1/2020	7/29/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC	Equipment Blank	Field Blank	Field Blank	Equipment Blank
Sample Delivery Group (SDG)	320-61452-1	320-61296-1	320-61452-1	320-63228-1
Lab Sample ID	320-61452-4	320-61296-3	320-61452-3	320-63228-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<5	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	4.1	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<13	<10	<13	<20
PEPA	<2	<20	<2	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2 UJ
Hydrolyzed PSDA	<2	<2	<2	<2 UJ
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2 UJ
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	<2 UJ	<2
Total Attachment C¹	4.1	ND	ND	ND
Total Table 3+ (17 compounds)²	4.1	ND	ND	ND
Total Table 3+ (20 compounds)	4.1	ND	ND	ND

Notes:

Bold - Analyte detected above associated reporting limit.

B - analyte detected in an associated blank.

J - Analyte detected. Reported value may not be accurate or precise.

ND - no Table 3+ analytes were detected above the associated reporting limits.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

SOP - standard operating procedure

UJ - Analyte not detected. Reporting limit may not be accurate or precise.

< - Analyte not detected above associated reporting limit.

-- not applicable

1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA), see Appendix J for more details.

2 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

3 - Samples collected on November 24 and 26, 2020 were reanalyzed via method Table 3+ SOP. These reanalysis results are used in mass loading calculations.

4 - Samples collected on February 22, 24, and 25, 2021 were reanalyzed via method modified method 537 Max. These reanalysis results are used in mass loading calculations.

5 - Samples collected on March 24 and 25, 2021 were reanalyzed and via method modified method 537 Max (filtered and unfiltered). The unfiltered reanalysis results are used in mass loading calculations.

6 - Battery failure caused sampling to stop after 21 cycles.

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76
Field Sample ID	CAP0121-CFR-BLADEN-012621	CAP0121-CFR-KINGS-012821	CAP0121-CFR-RM-76-012621
Sample Date	1/26/2021	1/28/2021	1/26/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69420-1	320-69610-1	320-69420-1
Lab Sample ID	320-69420-1	320-69610-1	320-69420-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	14	13	<2
PFMOAA	12	26	<2
PFO2HxA	4.9	12	<2
PFO3OA	<2	2.1	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<10	24	<10
PEPA	<20	<20	<20
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	12	3.7
Hydrolyzed PSDA	3.2	7	<2
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	4.9	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	2.4	2.8	2.5
Total Attachment C¹	31	77	ND
Total Table 3+ (17 compounds)²	31	77	ND
Total Table 3+ (20 compounds)	34	100	3.7

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	GBC-1	Lock-Dam Seep	OLDOF-1
Field Sample ID	CAP0121-GBC-1-012621	CAP0121-LOCK-DAM-SEEP-012621	CAP0121-OLDOF-1-012721
Sample Date	1/26/2021	1/26/2021	1/27/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69424-1	320-69424-1	320-69549-1
Lab Sample ID	320-69424-3	320-69424-2	320-69549-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	360	2,700	1,000
PFMOAA	85	25,000	5,700
PFO2HxA	210	6,800	1,500
PFO3OA	22	2,200	420 J
PFO4DA	10	290	210
PFO5DA	2.3	48	84
PMPA	560	2,200	640
PEPA	170	790	210
PS Acid	<2	<3.9	92
Hydro-PS Acid	28	66	45
R-PSDA	98	330	36
Hydrolyzed PSDA	<2	220	130
R-PSDCA	<2	<3.5	<2
NVHOS, Acid Form	3.8	310	57
EVE Acid	<2	<3.5	6.9
Hydro-EVE Acid	<2	30	27
R-EVE	31	120	31
PES	<2	<2	<2
PFECA B	<2	<5.3	<2
PFECA-G	<2	<9.6	<2.4
Perfluoroheptanoic Acid	<2	<19	<4.7
Total Attachment C¹	1,400	40,000	9,900
Total Table 3+ (17 compounds)²	1,500	40,000	10,000
Total Table 3+ (20 compounds)	1,600	41,000	10,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	OUTFALL 002	Intake at Facility	SEEP-A-IMP
Field Sample ID	CAP0121-OUTFALL-002-24-012721	RIVER-WATER-INTAKE-24-012721	CAP0121-SEEP-A-24-012721
Sample Date	1/27/2021	1/27/2021	1/27/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69424-1	320-69414-1	320-69417-1
Lab Sample ID	320-69424-1	320-69414-2	320-69417-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	330	<81	17,000
PFMOAA	73	<80	30,000
PFO2HxA	63	<27	15,000
PFO3OA	21	<39	3,900
PFO4DA	18	<59	3,800
PFO5DA	10	<78	2,900
PMPA	96	<620	9,800
PEPA	29	<20	3,600
PS Acid	140	<20	3,900
Hydro-PS Acid	22	<6.1	920
R-PSDA	640	<71	1,400
Hydrolyzed PSDA	140	<38	11,000
R-PSDCA	5.4	<17	31
NVHOS, Acid Form	12	<15	440
EVE Acid	33	<17	1,800
Hydro-EVE Acid	4.4	<14	910
R-EVE	40	<72	710
PES	<2	<6.7	<6.7
PFECA B	<2	<27	<27
PFECA-G	<2	<48	<48
Perfluoroheptanoic Acid	4	<95	140
Total Attachment C¹	800	ND	91,000
Total Table 3+ (17 compounds)²	860	ND	94,000
Total Table 3+ (20 compounds)	1,700	ND	110,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-A-IMP	SEEP-B	SEEP-C-EFF
Field Sample ID	CAP0121-SEEP-A-24-012721-Z	CAP0121-SEEP-B-012721	CAP0121-SEEP-C-24-012721
Sample Date	1/27/2021	1/27/2021	1/27/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69417-1	320-69549-1	320-69417-1
Lab Sample ID	320-69417-3	320-69549-2	320-69417-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	16,000	18,000	210
PFMOAA	34,000	78,000	880
PFO2HxA	16,000	23,000	280
PFO3OA	4,200	5,600 J	<39
PFO4DA	3,700	2,000	<59
PFO5DA	1,400	610	<78
PMPA	11,000	25,000	<620
PEPA	4,000	11,000	<20
PS Acid	<20	2,400	<20
Hydro-PS Acid	<6.1	740	<6.1
R-PSDA	1,500	2,300	<71
Hydrolyzed PSDA	12,000	17,000	120
R-PSDCA	<17	66	<17
NVHOS, Acid Form	480	1,500	<15
EVE Acid	2,000	3,700	<17
Hydro-EVE Acid	890	1,600	<14
R-EVE	770	2,000	<72
PES	<6.7	24	<6.7
PFECA B	<27	14	<27
PFECA-G	<48	<24	<48
Perfluoroheptanoic Acid	130	120	<94
Total Attachment C¹	90,000	170,000	1,400
Total Table 3+ (17 compounds)²	94,000	170,000	1,400
Total Table 3+ (20 compounds)	110,000	190,000	1,500

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-D	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0121-SEEP-D-012721	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721
Sample Date	1/27/2021	1/26/2021	1/27/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69549-1	320-69424-1	320-69495-2
Lab Sample ID	320-69549-3	320-69424-4	320-69495-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	13,000	17	11
PFMOAA	86,000	36	23
PFO2HxA	25,000	13	12
PFO3OA	7,000 J	3.2	2
PFO4DA	2,300	<2	<2
PFO5DA	130	<2	<2
PMPA	6,500	20	19
PEPA	2,100	<20	<20
PS Acid	<9.8	2.1	<2
Hydro-PS Acid	320	<2	<2
R-PSDA	760	20	9.6
Hydrolyzed PSDA	1,500	9.6	7.8
R-PSDCA	18	<2	<2
NVHOS, Acid Form	760	3	<2
EVE Acid	<8.7	<2	<2
Hydro-EVE Acid	1,400	<2	<2
R-EVE	1,000	4.3	3.2
PES	<3.4	<2	<2
PFECA B	<13	<2	<2
PFECA-G	<24	<2	<2
Perfluoroheptanoic Acid	77	2.2	3.1
Total Attachment C¹	140,000	91	67
Total Table 3+ (17 compounds)²	140,000	94	67
Total Table 3+ (20 compounds)	150,000	130	88

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	WC-1	WC-1	CFR-BLADEN
Field Sample ID	CAP0121-WC-1-24-012721	CAP0121-WC-1-24-012721-D	CAP0221-CFR-BLADEN-022421
Sample Date	1/27/2021	1/27/2021	2/24/2021
QA/QC		Field Duplicate	
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69414-1	320-69417-1	320-70619-1
Lab Sample ID	320-69414-1	320-69417-1	320-70619-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	180	190	4.5
PFMOAA	<80 UJ	270 J	8.8
PFO2HxA	170	170	3.9
PFO3OA	<39	<39	<2
PFO4DA	<59	<59	<2
PFO5DA	<78	<78	<2
PMPA	730	840	<10
PEPA	<20	<20	<20
PS Acid	<20	<20	<2
Hydro-PS Acid	<6.1	<6.1	<2
R-PSDA	<71	<71	2.2
Hydrolyzed PSDA	<38	<38	<2
R-PSDCA	<17	<17	<2
NVHOS, Acid Form	<15	<15	<2
EVE Acid	<17	<17	<2
Hydro-EVE Acid	<14	<14	<2
R-EVE	<72	<72	<2
PES	<6.7	<6.7	<2
PFECA B	<27	<27	<2
PFECA-G	<48	<48	<2
Perfluoroheptanoic Acid	<94	<94	2.3
Total Attachment C¹	1,100	1,500	17
Total Table 3+ (17 compounds)²	1,100	1,500	17
Total Table 3+ (20 compounds)	1,100	1,500	19

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	CFR-DCO	CFR-KINGS	GBC-5
Field Sample ID	CAP0221-CFR-DCO-022421	CAP0221-CFR-KINGS-022521	CAP0221-GBC-5-022421
Sample Date	2/24/2021	2/25/2021	2/24/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70596-1	320-70654-1	320-70594-1
Lab Sample ID	320-70596-1	320-70654-2	320-70594-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2	6.1	520
PFMOAA	<2	9.3	120
PFO2HxA	<2	4.9	280
PFO3OA	<2	<2	30
PFO4DA	<2	<2	14
PFO5DA	<2	<2	5.6
PMPA	<10	10	600
PEPA	<20	<20	140
PS Acid	<2	<2	5.6
Hydro-PS Acid	<2	<2	26
R-PSDA	<2	6.1	120
Hydrolyzed PSDA	<2	3.2	4.5
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	2.8
EVE Acid	<2	<2	3.4
Hydro-EVE Acid	<2	<2	3.4
R-EVE	<2	2.8	40
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	3.9	<2	3.5
Total Attachment C¹	ND	30	1,700
Total Table 3+ (17 compounds)²	ND	30	1,800
Total Table 3+ (20 compounds)	ND	42	1,900

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	OLDOF-2	OUTFALL 002	Intake at Facility
Field Sample ID	CAP0221-OLDOF-2B-022421	CAP0221-OUTFALL-002-022421	RIVER-WATER-INTAKE-022421
Sample Date	2/24/2021	2/24/2021	2/24/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70596-1	320-70596-1	320-70596-1
Lab Sample ID	320-70596-2	320-70596-4	320-70596-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	1,400	150	9.9
PFMOAA	9,100	33	11
PFO2HxA	1,900	23	8.6
PFO3OA	420	5.8	<2
PFO4DA	240	5.4	<2
PFO5DA	150	4.5	<2
PMPA	910	39	25
PEPA	290	<20	<20
PS Acid	56	40	<2
Hydro-PS Acid	73	6.1	<2
R-PSDA	50	27	<2
Hydrolyzed PSDA	160	96	2.5
R-PSDCA	2.7	<2	<2
NVHOS, Acid Form	71	2.8	<2
EVE Acid	3.6	20	<2
Hydro-EVE Acid	39	<2	<2
R-EVE	34	9.4	<2
PES	<2	<2	<2
PFECA B	<2.7	<2	<2
PFECA-G	<4.8	<2	<2
Perfluoroheptanoic Acid	<9.4	3.8	3.4
Total Attachment C¹	15,000	310	55
Total Table 3+ (17 compounds)²	15,000	330	55
Total Table 3+ (20 compounds)	15,000	460	57

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-A-IMP	SEEP-A-IMP	SEEP-B-2
Field Sample ID	CAP0221-SEEP-A-1-022421	CAP0221-SEEP-A-1-022421-D	CAP0221-SEEP-B-2-022421
Sample Date	2/24/2021	2/24/2021	2/24/2021
QA/QC		Field Duplicate	
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70597-1	320-70597-1	320-70594-1
Lab Sample ID	320-70597-1	320-70597-2	320-70594-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	19,000	21,000	23,000
PFMOAA	90,000	92,000	40,000
PFO2HxA	32,000	32,000	13,000
PFO3OA	9,700	10,000	2,500
PFO4DA	7,700	8,700	1,300
PFO5DA	5,400	5,300	630
PMPA	16,000	16,000	26,000
PEPA	5,100	5,100	10,000
PS Acid	5,600	5,700	3,500
Hydro-PS Acid	1,500	1,600	810
R-PSDA	1,800	1,700	1,600
Hydrolyzed PSDA	20,000	20,000	7,000
R-PSDCA	63	65	71
NVHOS, Acid Form	840	880	1,200
EVE Acid	980	990	5,400
Hydro-EVE Acid	1,700	1,700	1,800
R-EVE	1,000	1,000	1,400
PES	<3.4	<3.4	<3.4
PFECA B	<13	<13	<13
PFECA-G	<24	<24	<24
Perfluoroheptanoic Acid	<47	<47	70
Total Attachment C¹	190,000	200,000	120,000
Total Table 3+ (17 compounds)²	200,000	200,000	130,000
Total Table 3+ (20 compounds)	220,000	220,000	140,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B-TR1	SEEP-B-TR2	SEEP-C-2
Field Sample ID	CAP0221-SEEP-B-TR1-022421	CAP0221-SEEP-B-TR2-022421	CAP0221-SEEP-C-1-022421
Sample Date	2/24/2021	2/24/2021	2/24/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70594-1	320-70594-1	320-70619-1
Lab Sample ID	320-70594-1	320-70594-2	320-70619-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	11,000	12,000	13,000
PFMOAA	10,000	15,000	60,000
PFO2HxA	8,700	8,400	16,000
PFO3OA	1,700	2,300	3,500
PFO4DA	1,400	640	1,800 J
PFO5DA	610	86	62
PMPA	16,000	7,700	6,400
PEPA	6,300	2,700	1,800
PS Acid	11	4.7	<9.8
Hydro-PS Acid	290	290	270
R-PSDA	650	820	320
Hydrolyzed PSDA	190	650	400
R-PSDCA	8.8	10	15
NVHOS, Acid Form	110	380	450
EVE Acid	2.8	5.7	17
Hydro-EVE Acid	170	500	880
R-EVE	490	1,000	380
PES	<2	<2	<3.4
PFECA B	<2.7	<2.7	<13
PFECA-G	<4.8	<4.8	<24
Perfluoroheptanoic Acid	21	38	<47
Total Attachment C¹	56,000	49,000	100,000
Total Table 3+ (17 compounds)²	56,000	50,000	100,000
Total Table 3+ (20 compounds)	58,000	52,000	110,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-D3	SEEP-D-C1	SEEP-D-D
Field Sample ID	CAP0221-SEEP-D3-022421	CAP0221-SEEP-D-C1-022421	CAP0221-SEEP-D-D-022421
Sample Date	2/24/2021	2/24/2021	2/24/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70778-1	320-70778-1	320-70778-1
Lab Sample ID	320-70778-3	320-70778-1	320-70778-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	7,600	3,600	13,000
PFMOAA	79,000	13,000	56,000
PFO2HxA	18,000	4,400	16,000
PFO3OA	4,500	1,100	4,400
PFO4DA	1,000	470	2,000
PFO5DA	<39	52	280
PMPA	4,600	2,800	6,100
PEPA	1,900	1,100	2,300
PS Acid	<9.8	<3.9	<9.8
Hydro-PS Acid	210	200	370
R-PSDA	570	310	770
Hydrolyzed PSDA	140	<7.6	2,200
R-PSDCA	9.9	3.9	15
NVHOS, Acid Form	720	120	470
EVE Acid	<8.7	<3.5	<8.7
Hydro-EVE Acid	290	38	1,000
R-EVE	460	160	850
PES	<3.4	<2	<3.4
PFECA B	<13	<5.3	<13
PFECA-G	<24	<9.6	<24
Perfluoroheptanoic Acid	<47	<19	<47
Total Attachment C¹	120,000	27,000	100,000
Total Table 3+ (17 compounds)²	120,000	27,000	100,000
Total Table 3+ (20 compounds)	120,000	27,000	110,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	CFR-TARHEEL ³	WC-2
Field Sample ID	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-TARHEEL-022421	CAP0221-WC-2-022521
Sample Date	2/24/2021	2/24/2021	2/25/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70619-1	320-70619-2	320-70654-1
Lab Sample ID	320-70619-2	320-70619-2	320-70654-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	12	4.3 J	300
PFMOAA	20	8.7 J	390
PFO2HxA	7	5 J	230
PFO3OA	<2	<2 UJ	32
PFO4DA	2.7 J	<2 UJ	14
PFO5DA	<2	<2 UJ	2.1
PMPA	<10	8.4 J	310
PEPA	<20	<2 UJ	80
PS Acid	<2	<2 UJ	<2
Hydro-PS Acid	2.9	<2 UJ	10
R-PSDA	3.4	4.7 J	67
Hydrolyzed PSDA	2.6	2.4 J	95
R-PSDCA	<2	<3 UJ	<2
NVHOS, Acid Form	<2	<3 UJ	5.1
EVE Acid	<2	<2 UJ	<2
Hydro-EVE Acid	4	<2 UJ	2.5
R-EVE	<2	<2 UJ	30
PES	<2	<2 UJ	<2
PFECA B	<2	<2 UJ	<2
PFECA-G	<2	<2 UJ	<2
Perfluoroheptanoic Acid	2.1	<2 UJ	2.1
Total Attachment C¹	45	26	1,400
Total Table 3+ (17 compounds)²	49	26	1,400
Total Table 3+ (20 compounds)	55	34	1,600

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	2517BOATRAMP	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0321-2517BOATRAMP-032921	CAP0321-CFR-BLADEN-032921	CAP0321-CFR-KINGS-033021
Sample Date	3/29/2021	3/29/2021	3/30/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71976-1	320-72336-1	320-71975-1
Lab Sample ID	320-71976-1	320-72336-2	320-71975-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2	3.4	5.8
PFMOAA	<2	7.3	13
PFO2HxA	<2	3.7	4.7
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<10	<10	<10
PEPA	<20	<20	<20
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	3.8
Hydrolyzed PSDA	<2	4.4	6.6
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	4.4	2.7	4.7
Total Attachment C¹	ND	14	24
Total Table 3+ (17 compounds)²	ND	14	24
Total Table 3+ (20 compounds)	ND	19	34

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	CFR-TARHEEL	GBC-5
Field Sample ID	CAP0321-CFR-TARHEEL-032921	CAP0321-CFR-TARHEEL-21-033021	CAP0321-GBC-5-032921
Sample Date	3/29/2021	3/30/2021	3/29/2021
QA/QC			
Sample Matrix	LIQUID	Liquid	LIQUID
Sample Delivery Group (SDG)	320-72172-1	320-71975-1	320-72051-1
Lab Sample ID	320-72172-2	320-71975-4	320-72051-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	3.4 J	2.9	820
PFMOAA	6.8 J	5.5	<80
PFO2HxA	3.3 J	2.3	700
PFO3OA	<2 UJ	<2	<39
PFO4DA	<2 UJ	<2	<59
PFO5DA	<2 UJ	<2	<78
PMPA	<10 UJ	<10	1,200
PEPA	<20 UJ	<20	360
PS Acid	<2 UJ	<2	<20
Hydro-PS Acid	<2 UJ	<2	<6.1
R-PSDA	3.1 J	7.2	<71
Hydrolyzed PSDA	2.9 J	2.2	<38
R-PSDCA	<2 UJ	<2	<17
NVHOS, Acid Form	<2 UJ	<2	<15
EVE Acid	<2 UJ	<2	<17
Hydro-EVE Acid	<2 UJ	<2	<14
R-EVE	<2 UJ	<2	<72
PES	<2 UJ	<2	<6.7
PFECA B	<2 UJ	<2	<27
PFECA-G	<2 UJ	<2	<48
Perfluoroheptanoic Acid	4.1 J	3.7	<94
Total Attachment C¹	14	11	3,100
Total Table 3+ (17 compounds)²	14	11	3,100
Total Table 3+ (20 compounds)	20	20	3,100

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	Lock-Dam Seep	OLDOF-2	OUTFALL 002
Field Sample ID	CAP0321-LOCK-DAM-SEEP-032921	CAP0321-OLDOF-2B-032921	CAP0321-OUTFALL-002-24-033021
Sample Date	3/29/2021	3/29/2021	3/30/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	Liquid
Sample Delivery Group (SDG)	320-72336-1	320-72051-1	320-72172-1
Lab Sample ID	320-72336-1	320-72051-4	320-72172-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	7,600	3,100	110 J
PFMOAA	88,000	17,000	20 J
PFO2HxA	26,000	4,800	17 J
PFO3OA	11,000	1,400	4.9 J
PFO4DA	1,500	540	3.3 J
PFO5DA	110	360	2.3 J
PMPA	6,400	1,800	36 J
PEPA	2,400	810	<20 UJ
PS Acid	<9.8	<9.8	37 J
Hydro-PS Acid	160	160	3.8 J
R-PSDA	720	180	18 J
Hydrolyzed PSDA	700	310	67 J
R-PSDCA	11	<8.7	<2 UJ
NVHOS, Acid Form	1,200	180	2.5 UJ
EVE Acid	<8.7	<8.7	9 J
Hydro-EVE Acid	110	75	<2 UJ
R-EVE	260	84	6.2 J
PES	<3.4	<3.4	<2 UJ
PFECA B	<13	<13	<2 UJ
PFECA-G	<24	<24	<2 UJ
Perfluoroheptanoic Acid	<47	<47	4.2 J
Total Attachment C¹	140,000	30,000	230
Total Table 3+ (17 compounds)²	140,000	30,000	250
Total Table 3+ (20 compounds)	150,000	31,000	340

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	Intake at Facility	Intake at Facility	SEEP-A-IMP
Field Sample ID	RIVER-WATER-INTAKE-24-033021	RIVER-WATER-INTAKE-24-033021-D	CAP0321-SEEP-A-1-24-033021
Sample Date	3/30/2021	3/30/2021	3/30/2021
QA/QC		Field Duplicate	
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72115-1	320-72115-1	320-72115-1
Lab Sample ID	320-72115-1	320-72115-2	320-72115-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	6.2 J	5.5 J	19,000 J
PFMOAA	6.9 J	7.7 J	56,000 J
PFO2HxA	5.3 J	5.2 J	28,000 J
PFO3OA	<2 UJ	<2 UJ	8,600 J
PFO4DA	<2 UJ	<2 UJ	4,000 J
PFO5DA	<2 UJ	<2 UJ	2,500 J
PMPA	16 J	16 J	20,000 J
PEPA	<20 UJ	<20 UJ	9,000 J
PS Acid	<2 UJ	<2 UJ	1,600 J
Hydro-PS Acid	<2 UJ	<2 UJ	910 J
R-PSDA	3.3 J	3.6 J	1,700 J
Hydrolyzed PSDA	4.6 J	2.5 J	10,000 J
R-PSDCA	<2 UJ	<2 UJ	30 J
NVHOS, Acid Form	<2 UJ	<2 UJ	700 J
EVE Acid	<2 UJ	<2 UJ	290 J
Hydro-EVE Acid	<2 UJ	<2 UJ	720 J
R-EVE	<2 UJ	<2 UJ	890 J
PES	<2 UJ	<2 UJ	3.7 J
PFECA B	<2 UJ	<2 UJ	<13 UJ
PFECA-G	<2 UJ	<2 UJ	<24 UJ
Perfluoroheptanoic Acid	3.3 J	3.1 J	52 J
Total Attachment C¹	34	34	150,000
Total Table 3+ (17 compounds)²	34	34	150,000
Total Table 3+ (20 compounds)	42	41	160,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B-IMP	SEEP-C-EFF	SEEP-D2-B1
Field Sample ID	CAP0321-SEEP-B-1-24-033021	CAP0321-SEEP-C-1-24-033021	CAP0321-SEEP-D2-B1-033021
Sample Date	3/30/2021	3/30/2021	3/30/2021
QA/QC			
Sample Matrix	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-72115-1	320-72336-1	320-71976-1
Lab Sample ID	320-72115-4	320-72336-3	320-71976-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	26,000 J	7.1	11,000
PFMOAA	80,000 J	81	110,000
PFO2HxA	34,000 J	11	30,000
PFO3OA	9,200 J	2.3	9,300
PFO4DA	1,900 J	<2	1,500
PFO5DA	740 J	<2	<78
PMPA	37,000 J	13	6,600
PEPA	18,000 J	<20	2,400
PS Acid	3,400 J	<2	<20
Hydro-PS Acid	1,200 J	<2	230
R-PSDA	4,300 J	<2	1,000
Hydrolyzed PSDA	28,000 J	<2	1,400
R-PSDCA	74 J	<2	<17
NVHOS, Acid Form	2,400 J	<2	1,300
EVE Acid	4,900 J	<2	<17
Hydro-EVE Acid	2,200 J	<2	910
R-EVE	3,100 J	<2	1,100
PES	8.4 J	<2	<6.7
PFECA B	<27 UJ	<2	<27
PFECA-G	<48 UJ	<2	<48
Perfluoroheptanoic Acid	150 J	<2	<94
Total Attachment C¹	210,000	110	170,000
Total Table 3+ (17 compounds)²	220,000	110	170,000
Total Table 3+ (20 compounds)	260,000	110	180,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	SEEP-D-C1	SEEP-D-D1	WC-1-TR2
Field Sample ID	CAP0321-SEEP-D-C1-033021	CAP0321-SEEP-D-D1-033021	CAP0321-WC-1-TR2-032921
Sample Date	3/30/2021	3/30/2021	3/29/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71976-1	320-71976-1	320-72051-1
Lab Sample ID	320-71976-3	320-71976-2	320-72051-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	5,500	14,000	8,700
PFMOAA	28,000	80,000	2,600
PFO2HxA	9,300	24,000	6,900
PFO3OA	2,600	6,800	1,100
PFO4DA	690	1,900	610
PFO5DA	<78	<78	<78
PMPA	5,300	7,900	7,700
PEPA	2,000	2,800	2,800
PS Acid	<20	<20	<20
Hydro-PS Acid	170	290	130
R-PSDA	510	1,000	300
Hydrolyzed PSDA	510	2,600	<38
R-PSDCA	<17	<17	<17
NVHOS, Acid Form	320	780	41
EVE Acid	<17	<17	<17
Hydro-EVE Acid	160	1,100	40
R-EVE	300	990	180
PES	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27
PFECA-G	<48	<48	<48
Perfluoroheptanoic Acid	<94	<94	<94
Total Attachment C¹	54,000	140,000	31,000
Total Table 3+ (17 compounds)²	54,000	140,000	31,000
Total Table 3+ (20 compounds)	55,000	140,000	31,000

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	WC-5	EB	EB
Field Sample ID	CAP0321-WC-5-032921	CAP0121-EQBLK-PP-012621	CAP0121-EQBLK-ISCO-012721
Sample Date	3/29/2021	1/26/2021	1/27/2021
QA/QC		Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72051-1	320-69420-1	320-69420-1
Lab Sample ID	320-72051-1	320-69420-3	320-69420-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	190 J	<2	<2
PFMOAA	410	<2	<2
PFO2HxA	300	<2	<2
PFO3OA	<39	<2	<2
PFO4DA	<59	<2	<2
PFO5DA	<78	<2	<2
PMPA	<620	<10	<10
PEPA	<20	<20	<20
PS Acid	<20	<2	<2
Hydro-PS Acid	<6.1	<2	<2
R-PSDA	<71	<2	<2
Hydrolyzed PSDA	<38	<2	<2
R-PSDCA	<17	<2	<2
NVHOS, Acid Form	<15	<2	<2
EVE Acid	<17	<2	<2
Hydro-EVE Acid	<14	<2	<2
R-EVE	<72	<2	<2
PES	<6.7	<2	<2
PFECA B	<27	<2	<2
PFECA-G	<48	<2	<2
Perfluoroheptanoic Acid	<94	<2	<2
Total Attachment C¹	900	ND	ND
Total Table 3+ (17 compounds)²	900	ND	ND
Total Table 3+ (20 compounds)	900	ND	ND

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	EB	EB	EB
Field Sample ID	CAP0221-EQBLK-BL-022421	CAP0221-EQBLK-PP-022421	CAP0221-EQBLK-BL-022521
Sample Date	2/24/2021	2/24/2021	2/25/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70615-2	320-70615-2	320-70654-1
Lab Sample ID	320-70615-5	320-70615-2	320-70654-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2	<2	<2
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<10	<10	<10
PEPA	<20	<20	<20
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Total Attachment C¹	ND	ND	ND
Total Table 3+ (17 compounds)²	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	FBLK	FBLK	EB
Field Sample ID	CAP0221-FBLK-022421	CAP0221-FBLK-022521	CAP0321-EQBLK-BL-033021
Sample Date	2/24/2021	2/25/2021	3/30/2021
QA/QC	Field Blank	Field Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70615-2	320-70654-1	320-71975-1
Lab Sample ID	320-70615-4	320-70654-3	320-71975-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2	<2	<2
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<10	<10	<10
PEPA	<20	<20	<20
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Total Attachment C¹	ND	ND	ND
Total Table 3+ (17 compounds)²	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND

TABLE A2
SEEP AND SURFACE WATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Location ID	EB
Field Sample ID	CAP0321-EQBLK-PP-033021
Sample Date	3/30/2021
QA/QC	Equipment Blank
Sample Matrix	LIQUID
Sample Delivery Group (SDG)	320-71975-1
Lab Sample ID	320-71975-2
Table 3+ SOP (ng/L)	
Hfpo Dimer Acid	<2
PFMOAA	<2
PFO2HxA	<2
PFO3OA	<2
PFO4DA	<2
PFO5DA	<2
PMPA	<10
PEPA	<20
PS Acid	<2
Hydro-PS Acid	<2
R-PSDA	<2
Hydrolyzed PSDA	<2
R-PSDCA	<2
NVHOS, Acid Form	<2
EVE Acid	<2
Hydro-EVE Acid	<2
R-EVE	<2
PES	<2
PFECA B	<2
PFECA-G	<2
Perfluoroheptanoic Acid	<2
Total Attachment C¹	ND
Total Table 3+ (17 compounds)²	ND
Total Table 3+ (20 compounds)	ND

Notes:**Bold** - Analyte detected above associated reporting limit

B - analyte detected in an associated blank

EPA - Environmental Protection Agency

J - Analyte detected. Reported value may not be accurate or precise

ND - no analytes were detected above the associated reporting limits

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

2 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

3 - Sample collected on February 24, 2021 was reanalyzed via modified method 537 Max. These reanalysis results are used in mass loading calculations.

TABLE A3
FLOW SUMMARY FOR SEEPS, SURFACE AND RIVER WATER LOCATIONS
Chemours Fayetteville Works, North Carolina

Pathway / Location	January 2021			February 2021			March 2021		
	Flow Measurement Date	Instantaneous Flow Rate (ft ³ /s) ^{1,2}	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft ³ /s) ^{1,3}	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft ³ /s) ^{1,4}	Flow Rate (gpm)
Upstream River Water and Groundwater ⁵	1/27/2021	4,860	2,180,000	2/24/2021	16,900	7,590,000	3/29/2021	14,000	6,280,000
Willis Creek	1/27/2021	24	10,900	--	24	10,900	3/29/2021	15	6,840
Intake River Water at Facility	1/27/2021	21	9,620	2/24/2021	11	5,000	3/30/2021	24	10,700
Outfall 002	1/27/2021	28	12,500	2/24/2021	17	7,730	3/30/2021	28	12,700
Seep A	--	0.47	210	--	0.47	210	--	0.47	210
Seep B	--	0.28	127	2/24/2021	0.47	211	3/30/2021	0.23	104
Seep C	1/27/2021	0.15	67	2/24/2021	0.18	84	--	0.15	66
Seep D	1/27/2021	0.59	267	--	0.35	159	--	0.38	169
Lock and Dam Seep	1/26/2021	0.08	36	--	0.08	36	3/29/2021	0.04	16
Old Outfall 002	1/27/2021	1.9	856	2/24/2021	1.7	769	3/29/2021	2.2	986
Georgia Branch Creek	1/26/2021	18	8,220	2/24/2021	8.2	3,660	3/29/2021	3.7	1,680
CFR-TARHEEL ⁶	1/27/2021	7,570	3,400,000	2/24/2021	16,900	7,590,000	3/30/2021	12,800	5,760,000
CFR-TARHEEL ⁷	1/26/2021	4,910	2,200,000	2/24/2021	16,900	7,590,000	3/29/2021	14,000	6,280,000
CFR-BLADEN ⁸	1/26/2021	4,960	2,230,000	2/24/2021	17,000	7,630,000	3/29/2021	14,000	6,280,000
CFR-KINGS ⁹	1/28/2021	11,200	5,030,000	2/25/2021	20,900	9,380,000	3/30/2021	14,200	6,370,000

Notes

1 - Flow measurement methods are described in Table 2. Detailed flow data and calculations are provided in Appendix B.

2 - In January 2021, at Seeps A and B, flows could not be measured at these locations. Instantaneous flows were estimated using median flows of wet weather events measured at the flumes over 2020 historical periods at Seeps A and B.

3 - In February 2021, at Seeps A and D, Lock and Dam Seep, and Willis Creek, flows could not be measured at these locations. Instantaneous flows were estimated using median flows of wet weather events measured at the flumes over 2020 historical periods at Seeps A and D. January 2021 flow rates for Lock and Dam Seep and Willis Creek were used for estimated instantaneous flows.

4 - In March 2021, at Seeps A, C, and D, flows could not be measured at these locations. Instantaneous flows were estimated using median flows of wet weather events measured at the flumes over 2020 historical periods at Seeps A, C, and D.

5 - The volumetric flow rate for upstream river water and groundwater was estimated by subtracting inflows from Willis Creek, upwelling groundwater, seeps to the river, and Outfall 002 and by adding the river water intake from Chemours to the flow rate measurement from the W.O. Huske Dam.

6 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Tar Heel Ferry Road Bridge during the 24 hr period between the collection of the composite sample on January 26-27, 2021; the grab sample between February 24-25, 2021; the composite sample on March 29-30, 2021.

7 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Tar Heel Ferry Road Bridge during grab sample collection.

8 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Bladen Bluff during sample collection.

9 - Flow rate measured at USGS gauging station #02105769 located at Lock #1 near Kelly used to estimate flow rate at Kings Bluff during sample collection.

-- - not sampled or not measured

TABLE A4
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (μS/cm)	Temperature ($^{\circ}$C)
SEEP A	1/27/2021	6.4	11.0	185	2,644	71	15.9
SEEP B	1/27/2021	5.8	10.2	164	164	83	12.4
SEEP C	1/27/2021	6.4	3.2	206	2.5	89	10.7
SEEP D	1/27/2021	4.2	8.6	352	11	130	12.6
CFR-BLADEN	1/26/2021	6.5	61.9	165	32	62	9.9
CFR-KINGS	1/28/2021	6.6	11.0	77	26	61	8.1
CFR-RM-76	1/26/2021	7.3	12.1	57	5.9	218	8.4
CFR-TARHEEL	1/26/2021	7.0	10.9	133	7.4	91	10.0
CFR-TARHEEL	1/27/2021	7.0	10.9	133	7.4	91	10.0
GBC-1	1/26/2021	5.2	10.2	145	4.6	98	11.1
INTAKE AT FACILITY	1/27/2021	6.5	11.0	288	28	101	9.0
LOCK-DAM-SEEP	1/26/2021	6.4	NS	NS	NS	NS	NS
LOCK-DAM-SEEP-NORTH	1/26/2021	NS	NS	NS	NS	NS	NS
OLDOF-1	1/27/2021	5.5	9.7	249	176	207	10.9
OUTFALL 002	1/27/2021	6.8	10.1	91	17	122	12.8
WC-1	1/27/2021	5.8	10.5	155	137	119	10.2
SEEP-A-1	2/24/2021	6.3	1.0	37	52	331	15.9
SEEP-B-2	2/24/2021	4.3	8.2	305	65	76	18.0
SEEP-B-TR1	2/24/2021	4.4	7.2	453	15	85	16.9
SEEP-B-TR2	2/24/2021	6.0	6.0	210	61	122	20.2
SEEP-C-1	2/24/2021	4.9	6.4	339	46	69	19.4
SEEP-D-C1	2/24/2021	4.7	8.5	125	0.64	43	18.2
SEEP-D-D	2/24/2021	5.0	4.5	177	11	205	17.0
SEEP-D3	2/24/2021	5.3	7.5	171	2.3	65	14.8
CFR-BLADEN	2/24/2021	7.9	10.0	47	32	82	15.0
CFR-DCO	2/24/2021	7.9	10.1	29	46	68	10.3
CFR-KINGS	2/25/2021	8.3	9.3	90	23	50	14.5

TABLE A4
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
CFR-TARHEEL	2/24/2021	7.4	9.9	36	33	45	13.0
GBC-5	2/24/2021	6.5	9.3	68	0.03	128	16.5
LOCK-DAM SEEP	2/24/2021	NS	NS	NS	NS	NS	NS
OLDOF-2	2/24/2021	5.6	5.7	212	0.10	355	16.6
OUTFALL 002	2/24/2021	7.2	9.4	110	45	126	17.3
INTAKE AT FACILITY	2/24/2021	7.2	10.0	322	42	80	14.9
WC-2	2/25/2021	5.6	9.2	211	10	81	16.8
CFR-2517BoatRamp	3/29/2021	7.6	10.1	52	394	122	18.2
CFR-BLADEN	3/29/2021	7.3	8.5	72	191	82	15.9
CFR-KING	3/30/2021	8.4	4.7	2.2	37	843	22.2
CFR-TARHEEL	3/30/2021	7.3	9.6	120.00	152	88	17.7
CFR-TARHEEL	3/29/2021	7.2	8.5	94	71	77	16.0
GBC-5	3/29/2021	5.1	8.0	307	2.6	88	20.2
Lock-Dam Seep-N	3/29/2021	NS	NS	NS	NS	NS	NS
Lock-Dam Seep	3/29/2021	6.3	8.4	67	82	130	19.4
OLDOF-2	3/29/2021	4.0	8.2	398	7.6	256	20.2
OUTFALL 002	3/30/2021	7.6	9.6	197	97	123	19.7
INTAKE AT FACILITY	3/30/2021	7.4	8.8	260	66	88	20.1
SEEP-A-1	3/30/2021	4.3	8.5	335	323	118	23.7
SEEP-A-2	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-A-3-1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-A-3-2	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-A-TR1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-B-1	3/31/2021	4.1	8.0	381	266	106	21.1
SEEP-B-1-C1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-B-1-C2	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-B-1-C3	3/29/2021	NS	NS	NS	NS	NS	NS

TABLE A4
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (μ S/cm)	Temperature ($^{\circ}$ C)
SEEP-C-1	3/30/2021	7.4	7.1	182	0.30	108	21.7
SEEP-C-1-D1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-C-1-E1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-C-1-E2	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-D-C1	3/30/2021	4.7	8.2	205	0.37	67	20.1
SEEP-D-D1	3/30/2021	3.9	7.0	397	0.18	192	20.9
SEEP-D-D2-1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-D-D2-2	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-D2-A1	3/29/2021	NS	NS	NS	NS	NS	NS
SEEP-D2-B1	3/30/2021	3.8	7.8	395	0.85	141	20.0
SEEP-D3	3/29/2021	NS	NS	NS	NS	NS	NS
WC-1-TR2	3/29/2021	4.6	9.3	239	3.8	150	15.3
WC-5	3/29/2021	5.7	8.6	150	2.1	86	17.6

Abbreviations:

$^{\circ}$ C - degrees Celsius

mg/L - milligrams per liter

μ S/cm - microsiemens per centimeter

mV- millivolts

NTU - Nephelometric Turbidity Units

S.U. - Standard Units

NS - not sampled

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits
Location ID	LTW-01	LTW-02	LTW-03	LTW-04
Field Sample ID	CAP0121-LTW-01-012821	CAP0121-LTW-02-012721	CAP0121-LTW-03-012821	CAP0121-LTW-04-011921
Sample Date	1/28/2021	1/27/2021	1/28/2021	1/19/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69612-1	320-69494-1	320-69612-1	320-69119-1
Lab Sample ID	320-69612-3	320-69494-4	320-69612-2	320-69119-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	21,000	7,000	9,800	21,000
PFMOAA	36,000	25,000	160,000	79,000
PFO2HxA	26,000	11,000	31,000	27,000
PFO3OA	4,200	2,000	3,900	5,300
PFO4DA	1,600	200	150	830
PFO5DA	250	<39	<78	<78
PMPA	20,000	4,500	10,000	21,000
PEPA	6,700	1,300	2,000	8,700
PS Acid	<9.8	<9.8	<20	<20
Hydro-PS Acid	340	<3.1	<6.1	180
R-PSDA	830	210	570	1,300
Hydrolyzed PSDA	500	410	3,800	2,300
R-PSDCA	9.2	<8.7	<17	23
NVHOS, Acid Form	320	230	900	1,700
EVE Acid	<8.7	<8.7	<17	<17
Hydro-EVE Acid	160	37	41	560
R-EVE	590	230	410	2,100
PES	<3.4	<3.4	<6.7	9.4
PFECA B	<13	<13	<27	<27
PFECA-G	<24	<24	<48	<48
Perfluoroheptanoic Acid	<47	<47	<94	<94
Total Attachment C²	120,000	51,000	220,000	160,000
Total Table 3+ (17 compounds)³	120,000	51,000	220,000	170,000
Total Table 3+ (20 compounds)	120,000	52,000	220,000	170,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit¹	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	LTW-05	PIW-1D	PIW-1S	PIW-3D
Field Sample ID	CAP0121-LTW-05-011921	CAP0121-PIW-1D-012721	CAP0121-PIW-1S-012721	CAP0121-PIW-3D-012921
Sample Date	1/19/2021	1/27/2021	1/27/2021	1/29/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69119-1	320-69492-1	320-69492-1	320-69610-2
Lab Sample ID	320-69119-3	320-69492-2	320-69492-1	320-69610-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	14,000	9,900	6,300	10,000
PFMOAA	150,000	15,000	1,200	5,900
PFO2HxA	32,000	8,700	3,700	7,800
PFO3OA	9,200	1,400	480	1,100
PFO4DA	2,800	350	250	710
PFO5DA	<78	<16	31	76
PMPA	3,600	8,600	5,100	8,300
PEPA	500	2,900	1,900	2,500
PS Acid	<20	<3.9	<2	<2
Hydro-PS Acid	240	55	110	120
R-PSDA	260	250	140	350
Hydrolyzed PSDA	580	22	<3.8	<3.8
R-PSDCA	31	<3.5	<2	5.2
NVHOS, Acid Form	1,000	160	<2	63
EVE Acid	<17	<3.5	<2	<2
Hydro-EVE Acid	990	31	21	43
R-EVE	530	250	130	210
PES	11	<2	<2	<2
PFECA B	<27	<5.3	<2.7	<2.7
PFECA-G	<48	<9.6	<4.8	<4.8
Perfluoroheptanoic Acid	190	<19	14	36
Total Attachment C²	210,000	47,000	19,000	37,000
Total Table 3+ (17 compounds)³	210,000	47,000	19,000	37,000
Total Table 3+ (20 compounds)	220,000	48,000	19,000	37,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit¹	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7D	PIW-7S	PW-04	PW-06
Field Sample ID	CAP0121-PIW-7D-012721	CAP0121-PIW-7S-012721	CAP0121-PW-04-011821	CAP0121-PW-06-011821
Sample Date	1/27/2021	1/27/2021	1/18/2021	1/18/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69492-1	320-69492-1	320-69182-1	320-69182-1
Lab Sample ID	320-69492-4	320-69492-3	320-69182-1	320-69182-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	11,000	20,000	380	1,300
PFMOAA	150,000	23,000	130	210
PFO2HxA	31,000	14,000	450	640
PFO3OA	3,700	5,800	160	100
PFO4DA	500	530	160	62
PFO5DA	<78	33	3.2	<2
PMPA	3,700	15,000	560	1,200
PEPA	580	6,500	200	480
PS Acid	<20	<3.9	<2	<2
Hydro-PS Acid	100	460	110	36
R-PSDA	310	1,300	120	71
Hydrolyzed PSDA	520	91	<2	<2
R-PSDCA	<17	11	<2	<2
NVHOS, Acid Form	950	1,000	3	7.1
EVE Acid	<17	<3.5	<2	<2
Hydro-EVE Acid	350	760	15	8
R-EVE	590	2,300	54	35
PES	12	8.5	<2	<2
PFECA B	<27	<5.3	<2	<2
PFECA-G	<48	<9.6	<2	<2
Perfluoroheptanoic Acid	<94	75	5	4.3
Total Attachment C²	200,000	85,000	2,200	4,000
Total Table 3+ (17 compounds)³	200,000	87,000	2,200	4,000
Total Table 3+ (20 compounds)	200,000	91,000	2,300	4,100

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-07	PW-09	PZ-22	SMW-10
Field Sample ID	CAP0121-PW-07-011821	CAP0121-PW-09-012721-Z	CAP0121-PZ-22-011921	CAP0121-SMW-10-012821
Sample Date	1/18/2021	1/27/2021	1/19/2021	1/28/2021
QA/QC				
Sample Matrix	LIQUID	Liquid	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69182-1	320-69495-1	320-69119-1	320-69612-1
Lab Sample ID	320-69182-3	320-69495-1	320-69119-2	320-69612-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	500	<81	11,000	<2
PFMOAA	270	<80	190,000	50
PFO2HxA	680	<27	39,000	2.6
PFO3OA	66	<39	3,800	<2
PFO4DA	55	<59	280	<2
PFO5DA	<2	<78	<78	<2
PMPA	830	<620	4,700	13
PEPA	230	<20	1,300	<20
PS Acid	<2	<20	<20	<2
Hydro-PS Acid	14	<6.1	44	<2
R-PSDA	72	<71	280	<2
Hydrolyzed PSDA	<2	<38	680	<2
R-PSDCA	<2	<17	<17	<2
NVHOS, Acid Form	5.9	<15	1,200	<2
EVE Acid	<2	<17	<17	<2
Hydro-EVE Acid	5.9	<14	110	<2
R-EVE	38	<72	400	<2
PES	<2	<6.7	<6.7	<2
PFECA B	<2	<27	<27	<2
PFECA-G	<2	<48	<48	<2
Perfluoroheptanoic Acid	3.2	<94	<94	<2
Total Attachment C²	2,600	ND	250,000	66
Total Table 3+ (17 compounds)³	2,700	ND	250,000	66
Total Table 3+ (20 compounds)	2,800	ND	250,000	66

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	SMW-11	SMW-11	SMW-12	LTW-01
Field Sample ID	CAP0121-SMW-11-011521	CAP0121-SMW-11-011521-D	CAP0121-SMW-12-012921	CAP0221-LTW-01-020821
Sample Date	1/15/2021	1/15/2021	1/29/2021	2/8/2021
QA/QC		Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69118-1	320-69118-1	320-69610-2	320-70108-1
Lab Sample ID	320-69118-1	320-69118-2	320-69610-2	320-70108-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	3,900	3,500	1,600	18,000
PFMOAA	3,100	3,100	5,400	36,000
PFO2HxA	2,300	2,300	1,400	26,000
PFO3OA	310	310	58	4,700
PFO4DA	240	220	<5.9	1,600
PFO5DA	<78	<78	<7.8	200
PMPA	2,000	2,100	1,500	19,000
PEPA	640	640	250	6,000
PS Acid	<20	<20	<2	<3.9
Hydro-PS Acid	70	60	<2	290
R-PSDA	79	<71	87	750
Hydrolyzed PSDA	<38	<38	<3.8	460
R-PSDCA	<17	<17	<2	10
NVHOS, Acid Form	52	53	35	320
EVE Acid	<17	<17	<2	<3.5
Hydro-EVE Acid	20 J	<14 UJ	<2	170
R-EVE	<72	75	85	540
PES	<6.7	<6.7	<2	<2
PFECA B	<27	<27	<2.7	<5.3
PFECA-G	<48	<48	<4.8	<9.6
Perfluoroheptanoic Acid	<94	<94	<9.4	23
Total Attachment C²	13,000	12,000	10,000	110,000
Total Table 3+ (17 compounds)³	13,000	12,000	10,000	110,000
Total Table 3+ (20 compounds)	13,000	12,000	10,000	110,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer
Location ID	LTW-02	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP0221-LTW-02-021121	CAP0221-LTW-03-020421	CAP0221-LTW-04-022321	CAP0221-LTW-05-021121
Sample Date	2/11/2021	2/4/2021	2/23/2021	2/11/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70296-1	320-69865-1	320-70595-1	320-70296-1
Lab Sample ID	320-70296-3	320-69865-1	320-70595-1	320-70296-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	7,000	9,700	21,000	14,000
PFMOAA	28,000	140,000	78,000	160,000
PFO2HxA	13,000	31,000	26,000	39,000
PFO3OA	2,600	4,400	5,000	10,000
PFO4DA	250	160	740	3,400
PFO5DA	<16	<78	<39	<78
PMPA	4,800	10,000	20,000	3,500
PEPA	1,700	2,400	8,400	530
PS Acid	<3.9	<20	<9.8	<20
Hydro-PS Acid	17	<6.1	180	230
R-PSDA	350	570	2,000	520
Hydrolyzed PSDA	840	3,200	3,800	990
R-PSDCA	<3.5	<17	19	25
NVHOS, Acid Form	240	920	1,400	920
EVE Acid	<3.5	<17	<8.7	<17
Hydro-EVE Acid	40	47	630	980
R-EVE	300	450	2,300	630
PES	<2	<6.7	10	8.1
PFECA B	<5.3	<27	<13	<27
PFECA-G	<9.6	<48	<24	<48
Perfluoroheptanoic Acid	<19	<94	<47	180
Total Attachment C²	57,000	200,000	160,000	230,000
Total Table 3+ (17 compounds)³	58,000	200,000	160,000	230,000
Total Table 3+ (20 compounds)	59,000	200,000	170,000	230,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	PIW-1D	PIW-1S	PIW-3D	PIW-7D
Field Sample ID	CAP0221-PIW-1D-020821	CAP0221-PIW-1S-020821	CAP0221-PIW-3D-020821	CAP0221-PIW-7D-022321
Sample Date	2/8/2021	2/8/2021	2/8/2021	2/23/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70105-1	320-70105-1	320-70108-1	320-70595-1
Lab Sample ID	320-70105-2	320-70105-1	320-70108-4	320-70595-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	8,900	6,000	9,900	12,000
PFMOAA	15,000	1,500	4,800	160,000
PFO2HxA	7,800	3,900	6,900	29,000
PFO3OA	1,100	470	1,100	3,300
PFO4DA	300	230	770	970
PFO5DA	<7.8	25	77	<78
PMPA	7,300	4,900	7,400	3,200
PEPA	1,900	1,800	2,200	550
PS Acid	<2	<2	<2	<20
Hydro-PS Acid	43	110	110	91
R-PSDA	220	230	270	350
Hydrolyzed PSDA	17 J	<3.8	<3.8	530
R-PSDCA	2.1	<2	4.7	<17
NVHOS, Acid Form	110	20	52	800
EVE Acid	<2	<2	<2	<17
Hydro-EVE Acid	28	26	48	320
R-EVE	140	170	170	470
PES	<2	<2	<2	<6.7
PFECA B	<2.7	<2.7	<2.7	<27
PFECA-G	<4.8	<4.8	<4.8	<48
Perfluoroheptanoic Acid	<9.4	<9.4	18	<94
Total Attachment C²	42,000	19,000	33,000	210,000
Total Table 3+ (17 compounds)³	42,000	19,000	33,000	210,000
Total Table 3+ (20 compounds)	43,000	19,000	34,000	210,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7S	PW-04	PW-06	PW-07
Field Sample ID	CAP0221-PIW-7S-022321	CAP0221-PW-04-021121	CAP0221-PW-06-021021	CAP0221-PW-07-021021
Sample Date	2/23/2021	2/11/2021	2/10/2021	2/10/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70595-1	320-70296-1	320-70105-1	320-70105-1
Lab Sample ID	320-70595-3	320-70296-5	320-70105-4	320-70105-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	17,000	300	1,500	1,200
PFMOAA	20,000	110	<80	<80
PFO2HxA	10,000	450	670	610
PFO3OA	3,900	130	100	110
PFO4DA	450	150	290	420
PFO5DA	40	4.8	<78	<78
PMPA	9,800	560	1,600	960
PEPA	4,500	190	360	170
PS Acid	<3.9	<2	<20	<20
Hydro-PS Acid	340	100	31	100
R-PSDA	1,000	66	<71	<71
Hydrolyzed PSDA	69	4.9	<38	<38
R-PSDCA	11	<2	<17	<17
NVHOS, Acid Form	680	<2	<15	<15
EVE Acid	<3.5	<2	<17	<17
Hydro-EVE Acid	530	12	<14	36
R-EVE	1,500	31	<72	<72
PES	<2	<2	<6.7	<6.7
PFECA B	<5.3	<2	<27	<27
PFECA-G	<9.6	<2	<48	<48
Perfluoroheptanoic Acid	35	5.7	150	140
Total Attachment C²	66,000	2,000	4,600	3,600
Total Table 3+ (17 compounds)³	67,000	2,000	4,600	3,600
Total Table 3+ (20 compounds)	70,000	2,100	4,600	3,600

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-09	PZ-22	SMW-10	SMW-10
Field Sample ID	CAP0221-PW-09-020421	CAP0221-PZ-22-022321	CAP0221-SMW-10-020821	CAP0221-SMW-10-020821-D
Sample Date	2/4/2021	2/23/2021	2/8/2021	2/8/2021
QA/QC				Field Duplicate
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69865-1	320-70595-1	320-70137-1	320-70137-1
Lab Sample ID	320-69865-2	320-70595-2	320-70137-1	320-70137-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<81	14,000	<2	<2
PFMOAA	<80	190,000	48	51
PFO2HxA	<27	37,000	2.7	2.4
PFO3OA	<39	3,700	<2	<2
PFO4DA	<59	250	<2	<2
PFO5DA	<78	<2	<2	<2
PMPA	<620	4,200	15	14
PEPA	<20	990	<20	<20
PS Acid	<20	<2	<2	<2
Hydro-PS Acid	<6.1	32	<2	<2
R-PSDA	<71	410	<2	<2
Hydrolyzed PSDA	<38	1,200	<2	<2
R-PSDCA	<17	2.6	<2	<2
NVHOS, Acid Form	<15	1,000	<2	<2
EVE Acid	<17	<2	<2	<2
Hydro-EVE Acid	<14	87	<2	<2
R-EVE	<72	440	<2	<2
PES	<6.7	4.8	<2	<2
PFECA B	<27	<2	<2	<2
PFECA-G	<48	<2	<2	<2
Perfluoroheptanoic Acid	<94	29	<2	<2
Total Attachment C²	ND	250,000	66	67
Total Table 3+ (17 compounds)³	ND	250,000	66	67
Total Table 3+ (20 compounds)	ND	250,000	66	67

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit¹	Surficial Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	SMW-11	SMW-12	LTW-01	LTW-02
Field Sample ID	CAP0221-SMW-11-021021	CAP0221-SMW-12-020521	CAP0321-LTW-01-031621	CAP0321-LTW-02-031621
Sample Date	2/10/2021	2/5/2021	3/16/2021	3/16/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70107-1	320-70110-1	320-71406-1	320-71406-1
Lab Sample ID	320-70107-1	320-70110-1	320-71406-2	320-71406-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	3,300	1,600	18,000	4,800
PFMOAA	3,000	5,300	43,000	27,000
PFO2HxA	2,200	1,400	30,000	11,000
PFO3OA	290	77	6,000	2,000
PFO4DA	260	<5.9	1,200	130
PFO5DA	<7.8	<7.8	<78	<78
PMPA	1,900	1,400	25,000	5,400
PEPA	490	210	8,000	1,400
PS Acid	<2	<2	<20	<20
Hydro-PS Acid	52	<2	290	<6.1
R-PSDA	89	82	1,400	480
Hydrolyzed PSDA	9.9	<3.8	1,400	1,200
R-PSDCA	<2	<2	<17	<17
NVHOS, Acid Form	37	36	470	260
EVE Acid	<2	<2	<17	<17
Hydro-EVE Acid	19	<2	120	31
R-EVE	80	76	1,000	340
PES	<2	<2	<6.7	<6.7
PFECA B	<2.7	<2.7	<27	<27
PFECA-G	<4.8	<4.8	<48	<48
Perfluoroheptanoic Acid	<9.4	<9.4	100	<94
Total Attachment C²	11,000	10,000	130,000	52,000
Total Table 3+ (17 compounds)³	12,000	10,000	130,000	52,000
Total Table 3+ (20 compounds)	12,000	10,000	140,000	54,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit¹	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-03	LTW-04	LTW-05	PIW-1D
Field Sample ID	CAP0321-LTW-03-030921	CAP0321-LTW-04-030921	CAP0321-LTW-05-032321	CAP0321-PIW-1D-031121
Sample Date	3/9/2021	3/9/2021	3/23/2021	3/11/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71128-1	320-71133-1	320-71669-1	320-71223-1
Lab Sample ID	320-71128-1	320-71133-2	320-71669-3	320-71223-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	8,200	16,000	15,000	9,400
PFMOAA	140,000	70,000	170,000	17,000
PFO2HxA	32,000	26,000	35,000	7,600
PFO3OA	4,800	4,900	10,000	1,200
PFO4DA	130	600	3,500	290 J
PFO5DA	<78	<78	<78	<7.8
PMPA	12,000	22,000	3,500	7,000
PEPA	2,400	7,600	480	2,100
PS Acid	<20	<20	<20	<2
Hydro-PS Acid	<6.1	140	270	41
R-PSDA	620	1,900	380	220
Hydrolyzed PSDA	3,300	4,200	650	20
R-PSDCA	<17	<17	35	2.5
NVHOS, Acid Form	1,100	1,500	980	130
EVE Acid	<17	<17	<17	<2
Hydro-EVE Acid	41	400	1,100	25
R-EVE	480	2,300	540	160
PES	8.6	13	<6.7	<2
PFECA B	<27	<27	<27	<2.7
PFECA-G	<48	<48	<48	<4.8
Perfluoroheptanoic Acid	110	110	150	<9.4
Total Attachment C²	200,000	150,000	240,000	45,000
Total Table 3+ (17 compounds)³	200,000	150,000	240,000	45,000
Total Table 3+ (20 compounds)	210,000	160,000	240,000	45,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	PIW-1D	PIW-1S	PIW-3D	PIW-7D
Field Sample ID	CAP0321-PIW-1D-031121-D	CAP0321-PIW-1S-031121	CAP0321-PIW-3D-031621	CAP0321-PIW-7D-032321
Sample Date	3/11/2021	3/11/2021	3/16/2021	3/23/2021
QA/QC	Field Duplicate			
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71223-1	320-71223-1	320-71406-1	320-71669-1
Lab Sample ID	320-71223-2	320-71223-6	320-71406-1	320-71669-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	9,200	3,400	8,700	10,000
PFMOAA	17,000	730	6,000	170,000
PFO2HxA	7,500	2,000	9,200	33,000
PFO3OA	1,200	260	1,500	4,300
PFO4DA	280	150	690	1,300
PFO5DA	<7.8	27	<78	<78
PMPA	6,900	2,600	11,000	3,400
PEPA	2,100	900	3,500	550
PS Acid	<2	<2	<20	<20
Hydro-PS Acid	44	92	170	93
R-PSDA	200	130	570	300
Hydrolyzed PSDA	20	<2	<38	430
R-PSDCA	2.7	<2	<17	<17
NVHOS, Acid Form	120	9.9	80	910
EVE Acid	<2	<2	<17	<17
Hydro-EVE Acid	25	18	40	350
R-EVE	160	69	300	390
PES	<2	<2	<6.7	<6.7
PFECA B	<2.7	<2	<27	<27
PFECA-G	<4.8	<2.4	<48	<48
Perfluoroheptanoic Acid	<9.4	7.7	<94	<94
Total Attachment C²	44,000	10,000	41,000	220,000
Total Table 3+ (17 compounds)³	44,000	10,000	41,000	220,000
Total Table 3+ (20 compounds)	45,000	10,000	42,000	230,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7S	PW-04	PW-06	PW-07
Field Sample ID	CAP0321-PIW-7S-032321	CAP0321-PW-04-031121	CAP0321-PW-06-031621	CAP0321-PW-07-030921
Sample Date	3/23/2021	3/11/2021	3/16/2021	3/9/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71664-1	320-71223-1	320-71411-1	320-71133-1
Lab Sample ID	320-71664-1	320-71223-7	320-71411-1	320-71133-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	19,000	390	1,000	520
PFMOAA	24,000	140	290	160
PFO2HxA	14,000	400	860	570
PFO3OA	4,600	140	110	77
PFO4DA	830	130	<59	71
PFO5DA	47	2.3	<78	<78
PMPA	12,000	600	2,000	1,400
PEPA	5,600	230	400	180
PS Acid	<3.9	<2	<20	<20
Hydro-PS Acid	430	100	<6.1	33
R-PSDA	1,100	110	<71	<71
Hydrolyzed PSDA	84	<2	<38	<38
R-PSDCA	12	<2	<17	<17
NVHOS, Acid Form	830	2.6	<15	<15
EVE Acid	<3.5	<2	<17	<17
Hydro-EVE Acid	630	12	<14	<14
R-EVE	1,600	62	<72	<72
PES	<2	<2	<6.7	<6.7
PFECA B	<5.3	<2	<27	<27
PFECA-G	<9.6	<2	<48	<48
Perfluoroheptanoic Acid	51	5.7	<94	<94
Total Attachment C²	81,000	2,100	4,700	3,000
Total Table 3+ (17 compounds)³	82,000	2,100	4,700	3,000
Total Table 3+ (20 compounds)	85,000	2,300	4,700	3,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer
Location ID	PW-09	PZ-22	SMW-10	SMW-11
Field Sample ID	CAP0321-PW-09-031221-Z	CAP0321-PZ-22-032321	CAP0321-SMW-10-031121	CAP0321-SMW-11-030921
Sample Date	3/12/2021	3/23/2021	3/11/2021	3/9/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71408-1	320-71669-1	320-71223-1	320-71133-1
Lab Sample ID	320-71408-1	320-71669-2	320-71223-5	320-71133-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<81	14,000	<2	3,400
PFMOAA	<80	240,000	62	4,900
PFO2HxA	150	51,000	2.6	2,900
PFO3OA	<39	5,100	<2	430
PFO4DA	<59	270	<2	200
PFO5DA	<78	<160	<2	<78
PMPA	<620	4,800	13	3,800
PEPA	<20	1,500	<20	720
PS Acid	<20	<39	<2	<20
Hydro-PS Acid	<6.1	47	<2	65
R-PSDA	<71	580	<2	120
Hydrolyzed PSDA	<38	1,300	<2	<38
R-PSDCA	<17	<35	<2	<17
NVHOS, Acid Form	<15	1,400	<2	98
EVE Acid	<17	<35	<2	<17
Hydro-EVE Acid	<14	100	<2	<14
R-EVE	<72	630	<2	130
PES	<6.7	13	<2	<6.7
PFECA B	<27	<53	<2	<27
PFECA-G	<48	<96	<2	<48
Perfluoroheptanoic Acid	<94	<190	<2	<94
Total Attachment C²	150	320,000	78	16,000
Total Table 3+ (17 compounds)³	150	320,000	78	17,000
Total Table 3+ (20 compounds)	150	320,000	78	17,000

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	--	--	--
Location ID	SMW-12	EB	EB	EB
Field Sample ID	CAP0321-SMW-12-030921	CAP0121-EQBLK-PP-011521	CAP0121-EQBLK-PP-011821	CAP0121-EQBLK-PP-011921
Sample Date	3/9/2021	1/15/2021	1/18/2021	1/19/2021
QA/QC		Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71133-1	320-69118-1	320-69182-1	320-69119-1
Lab Sample ID	320-71133-1	320-69118-4	320-69182-5	320-69119-5
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	1,200	<2	<2	<2
PFMOAA	5,200	<2	<2	<2
PFO2HxA	1,600	<2	<2	<2
PFO3OA	83	<2	<2	<2
PFO4DA	<59	<2	<2	<2
PFO5DA	<78	<2	<2	<2
PMPA	2,500	<20	<20	<10
PEPA	290	<10	<10	<20
PS Acid	<20	<2	<2	<2
Hydro-PS Acid	<6.1	<2	<2	<2
R-PSDA	77	<2	<2	<2
Hydrolyzed PSDA	<38	<2	<2	<2
R-PSDCA	<17	<2	<2	<2
NVHOS, Acid Form	54	<2	<2	<2
EVE Acid	<17	<2	<2	<2
Hydro-EVE Acid	<14	<2	<2	<2
R-EVE	92	<2	<2	<2
PES	<6.7	<2	<2	<2
PFECA B	<27	<2	<2	<2
PFECA-G	<48	<2	<2	<2
Perfluoroheptanoic Acid	<94	<2	<2	<2
Total Attachment C²	11,000	ND	ND	ND
Total Table 3+ (17 compounds)³	11,000	ND	ND	ND
Total Table 3+ (20 compounds)	11,000	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	EB	EB	EB	EB
Field Sample ID	CAP0121-EQBLK-PP-012721	CAP0121-EQBLK-PP-012721-Z	CAP0121-EQBLK-DV-012821	CAP0121-EQBLK-PP-012821
Sample Date	1/27/2021	1/27/2021	1/28/2021	1/28/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69494-1	320-69494-1	320-69612-1	320-69612-1
Lab Sample ID	320-69494-1	320-69494-2	320-69612-4	320-69612-6
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	EB	EB	FBLK	FBLK
Field Sample ID	CAP0121-EQBLK-DV-012921	CAP0121-EQBLK-PP-012921	CAP0121-FBLK-011521	CAP0121-FBLK-011821
Sample Date	1/29/2021	1/29/2021	1/15/2021	1/18/2021
QA/QC	Equipment Blank	Equipment Blank	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69610-2	320-69610-2	320-69118-1	320-69182-1
Lab Sample ID	320-69610-4	320-69610-6	320-69118-3	320-69182-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<20	<20
PEPA	<20	<20	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	FBLK	FBLK	FBLK	FBLK
Field Sample ID	CAP0121-FBLK-011921	CAP0121-FBLK-012721	CAP0121-FBLK-012821	CAP0121-FBLK-012921
Sample Date	1/19/2021	1/27/2021	1/28/2021	1/29/2021
QA/QC	Field Blank	Field Blank	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69119-1	320-69494-1	320-69612-1	320-69610-2
Lab Sample ID	320-69119-4	320-69494-3	320-69612-5	320-69610-5
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2 UJ	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	EB	EB	EB	EB
Field Sample ID	CAP0221-EQBLK-PP-020421	CAP0221-EQBLK-PP-020421-Z	CAP0221-EQBLK-DV-020521	CAP0221-EQBLK-PP-020821
Sample Date	2/4/2021	2/4/2021	2/5/2021	2/8/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-69865-1	320-69865-1	320-70110-1	320-70108-1
Lab Sample ID	320-69865-3	320-69865-4	320-70110-2	320-70108-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	4.4 B
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	4.4

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	EB	EB	EB	FBLK
Field Sample ID	CAP0221-EQBLK-PP-021021	CAP0221-EQBLK-PP-021121	CAP0221-EQBLK-PP-022321	CAP0221-FBLK-020421
Sample Date	2/10/2021	2/11/2021	2/23/2021	2/4/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70107-1	320-70296-1	320-70615-1	320-69864-1
Lab Sample ID	320-70107-2	320-70296-2	320-70615-1	320-69864-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<81
PFMOAA	<2	<2	<2	<80
PFO2HxA	<2	<2	<2	<27
PFO3OA	<2	<2	<2	<39
PFO4DA	<2	<2	<2	<59
PFO5DA	<2	<2	<2	<78
PMPA	<10	<10	<10	<620
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<20
Hydro-PS Acid	<2	<2	<2	<6.1
R-PSDA	<2	<2	<2	<71
Hydrolyzed PSDA	<2	<2	<2	<38
R-PSDCA	<2	<2	<2	<17
NVHOS, Acid Form	<2	<2	<2	<15
EVE Acid	<2	<2	<2	<17
Hydro-EVE Acid	<2	<2	<2	<14
R-EVE	<2	<2	<2	<72
PES	<2	<2	<2	<6.7
PFECA B	<2	<2	<2	<27
PFECA-G	<2	<2	<2	<48
Perfluoroheptanoic Acid	<2	<2	<2	<94
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	FBLK	FBLK	FBLK	FBLK
Field Sample ID	CAP0221-FBLK-020521	CAP0221-FBLK-020821	CAP0221-FBLK-021021	CAP0221-FBLK-021121
Sample Date	2/5/2021	2/8/2021	2/10/2021	2/11/2021
QA/QC	Field Blank	Field Blank	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70110-1	320-70108-1	320-70107-1	320-70296-1
Lab Sample ID	320-70110-3	320-70108-3	320-70107-3	320-70296-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	FBLK	EB	EB	EB
Field Sample ID	CAP0221-FBLK-022321	CAP0321-EQBLK-DV-030921	CAP0321-EQBLK-PP-030921	CAP0321-EQBLK-PP-031121
Sample Date	2/23/2021	3/9/2021	3/9/2021	3/11/2021
QA/QC	Field Blank	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-70615-1	320-71128-1	320-71128-1	320-71223-1
Lab Sample ID	320-70615-3	320-71128-3	320-71128-4	320-71223-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--	--
Location ID	EB	EB	EB	FBLK
Field Sample ID	CAP0321-EQBLK-PP-031221-Z	CAP0321-EQBLK-PP-031621	CAP0321-EQBLK-PP-032321	CAP0321-FBLK--030921
Sample Date	3/12/2021	3/16/2021	3/23/2021	3/9/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71408-1	320-71411-1	320-71664-1	320-71128-1
Lab Sample ID	320-71408-2	320-71411-2	320-71664-2	320-71128-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2	<2	<2	<2
PFMOAA	<2	<2	<2	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2	<2
Total Attachment C²	ND	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--
Location ID	FBLK	FBLK	FBLK
Field Sample ID	CAP0321-FBLK-031121	CAP0321-FBLK-031221	CAP0321-FBLK-031621
Sample Date	3/11/2021	3/12/2021	3/16/2021
QA/QC	Field Blank	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-71223-1	320-71408-1	320-71411-1
Lab Sample ID	320-71223-4	320-71408-3	320-71411-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2	<2	<2
PFMOAA	<2	<2	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	<2	<2	<2
PFO5DA	<2	<2	<2
PMPA	<10	<10	<10
PEPA	<20	<20	<20
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS, Acid Form	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	<2	<2	<2
Total Attachment C²	ND	ND	ND
Total Table 3+ (17 compounds)³	ND	ND	ND
Total Table 3+ (20 compounds)	ND	ND	ND

TABLE A5
GROUNDWATER ANALYTICAL RESULTS
 Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Water Bearing Unit¹	--
Location ID	FBLK
Field Sample ID	CAP0321-FBLK-032321
Sample Date	3/23/2021
QA/QC	Field Blank
Sample Matrix	LIQUID
Sample Delivery Group (SDG)	320-71664-1
Lab Sample ID	320-71664-3
Table 3+ SOP (ng/L)	
Hfpo Dimer Acid	<2
PFMOAA	<2
PFO2HxA	<2
PFO3OA	<2
PFO4DA	<2
PFO5DA	<2
PMPA	<10
PEPA	<20
PS Acid	<2
Hydro-PS Acid	<2
R-PSDA	<2
Hydrolyzed PSDA	<2
R-PSDCA	<2
NVHOS, Acid Form	<2
EVE Acid	<2
Hydro-EVE Acid	<2
R-EVE	<2
PES	<2
PFECA B	<2
PFECA-G	<2
Perfluoroheptanoic Acid	<2
Total Attachment C²	ND
Total Table 3+ (17 compounds)³	ND
Total Table 3+ (20 compounds)	ND

Notes:

- Bold** - Analyte detected above associated reporting limit
- B - analyte detected in an associated blank
- EPA - Environmental Protection Agency
- J - Analyte detected. Reported value may not be accurate or precise
- ND - no Table 3+ analytes were detected above the associated reporting limits
- ng/L - nanograms per liter
- QA/QC - Quality assurance/ quality control
- SDG - Sample Delivery Group
- SOP - standard operating procedure
- UJ - Analyte not detected. Reporting limit may not be accurate or precise.
- < - Analyte not detected above associated reporting limit.
- - not applicable
- 1 - Refers to the primary aquifer unit that the well screen is estimated to be screened within
- 2 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
- 3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

**TABLE A6
GROUNDWATER ELEVATIONS - Q1 2021
Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	BCA-03R	13-Jan-21	398582.23	2049522.22	88 - 98	150.82	49.47	101.35
Onsite	Black Creek Aquifer	BCA-04	13-Jan-21	395877.665	2047823.03	94 - 104	150.31	26.62	123.69
Onsite	Black Creek Aquifer	EW-1	13-Jan-21	399934.65	2051297.51	40-60	91.33	31.62	59.71
Onsite	Black Creek Aquifer	EW-2	13-Jan-21	396164.48	2052232.61	40-65	77.25	33.04	44.21
Onsite	Black Creek Aquifer	EW-3	13-Jan-21	395059.78	2052214.66	37-67	76.48	15.56	60.92
Onsite	Black Creek Aquifer	EW-4	13-Jan-21	398581.51	2051805.58	53-73	80.64	29.62	51.02
Onsite	Black Creek Aquifer	EW-5	13-Jan-21	397200.16	2052052.65	37-67	78.5	32.46	46.04
Onsite	Perched Zone	FTA-01	13-Jan-21	397906.09	2049370.01	12.0-22.0	149.6	16.19	133.41
Onsite	Perched Zone	FTA-02	13-Jan-21	397784.99	2049203.29	11.5-22.0	149.3	17.27	132.03
Onsite	Perched Zone	FTA-03	13-Jan-21	397766.23	2049310.46	12.0-22.0	150.1	17.23	132.87
Onsite	Surficial Aquifer	INSITU-01	13-Jan-21	401657.39	2046078.99	7.0-17.0	89.12	4.01	85.11
Onsite	Surficial Aquifer	INSITU-02	13-Jan-21	401863.46	2049136.62	7.0-17.0	113.12	Dry	--
Onsite	Floodplain Deposits	LTW-01	13-Jan-21	399565.01	2052150.62	11.0-26.0	52.71	14.05	38.66
Onsite	Black Creek Aquifer	LTW-02	13-Jan-21	398847.57	2052355.48	28.0-38.0	51.39	8.42	42.97
Onsite	Floodplain Deposits	LTW-03	13-Jan-21	398114.45	2052558.35	15.0-30.0	51.75	9.42	42.33
Onsite	Floodplain Deposits	LTW-04	13-Jan-21	397279.61	2052584.95	12.0-27.0	50.66	6.73	43.93
Onsite	Black Creek Aquifer	LTW-05	13-Jan-21	396430.31	2052740.4	29.0-44.0	50.94	8.48	42.46
Onsite	Perched Zone	MW-11	13-Jan-21	396544.4	2049051.06	11.5-21.5	148.53	23.43	125.1
Onsite	Perched Zone	MW-12S	13-Jan-21	397262.9	2049269.37	17.5-22.5	151.08	19.41	131.67
Onsite	Surficial Aquifer	MW-13D	13-Jan-21	397119.015	2049821.123	57 - 67	148.65	44.05	104.6
Onsite	Surficial Aquifer	MW-14D	13-Jan-21	396974.485	2049074.561	62 - 72	149.73	39.45	110.28
Onsite	Surficial Aquifer	MW-15DRR	13-Jan-21	398580.71	2049511.75	52.5 - 62.5	150.92	47.66	103.26
Onsite	Surficial Aquifer	MW-16D	13-Jan-21	398493.703	2048402.838	72 - 82	148.41	35.42	112.99
Onsite	Surficial Aquifer	MW-17D	13-Jan-21	398401.741	2047366.496	57 - 67	146.117	28.27	117.85
Onsite	Surficial Aquifer	MW-18D	13-Jan-21	400947.3	2046574.35	50 - 60	108.1	18.5	89.6
Onsite	Surficial Aquifer	MW-19D	13-Jan-21	401151.43	2048272.93	46 - 56	139.36	49.57	89.79
Onsite	Perched Zone	MW-1S	13-Jan-21	397080.69	2049117.99	21.0-24.0	148.88	18.56	130.32
Onsite	Surficial Aquifer	MW-20D	13-Jan-21	400791.01	2048733.71	65 - 75	137.2	46.41	90.79
Onsite	Surficial Aquifer	MW-21D	13-Jan-21	399501.88	2047074.92	72 - 82	151.42	44.25	107.17
Onsite	Surficial Aquifer	MW-22D	13-Jan-21	398518.4	2048362.48	52 - 72	149.09	35.35	113.74
Onsite	Perched Zone	MW-23	13-Jan-21	396237.61	2051063.25	9.5 -14.5	148.34	13.56	134.78
Onsite	Perched Zone	MW-24	13-Jan-21	397303.94	2048767.69	18.8 - 23.8	150.31	21.26	129.05
Onsite	Perched Zone	MW-25	13-Jan-21	396753.37	2050989.82	12 - 17	147.59	12.92	134.67
Onsite	Perched Zone	MW-26	13-Jan-21	396265.18	2051484.67	5 - 10	147.7	10.83	136.87
Onsite	Perched Zone	MW-27	13-Jan-21	396010.33	2051472	10 - 15	146.83	13.53	133.3
Onsite	Perched Zone	MW-28	13-Jan-21	395719.79	2051165.93	9 - 14	144.7	13.09	131.61
Onsite	Perched Zone	MW-30	13-Jan-21	397340.79	2050776.09	10 - 15	147.67	11.32	136.35
Onsite	Perched Zone	MW-31	13-Jan-21	396390.698	2049622.884	17-22	147.699	15.38	132.32
Onsite	Perched Zone	MW-32	13-Jan-21	396359.577	2049651.789	13-18.5	147.106	14.31	132.8
Onsite	Perched Zone	MW-33	13-Jan-21	396337.507	2049678.558	12-17	146.82	13.73	133.09
Onsite	Perched Zone	MW-34	13-Jan-21	396352.902	2049619.086	17-22	147.972	15.34	132.63
Onsite	Perched Zone	MW-35	13-Jan-21	396332.943	2049631.155	14-19	147.541	14.81	132.73
Onsite	Perched Zone	MW-36	13-Jan-21	396320.088	2049651.174	12-17	147.889	15.03	132.86
Onsite	Perched Zone	MW-7S	13-Jan-21	397444.5245	2049809.731	NA	147.47	9.35	138.12
Onsite	Perched Zone	MW-8S	13-Jan-21	397096.4767	2049867.768	NA	146.48	1.71	144.77

**TABLE A6
GROUNDWATER ELEVATIONS - Q1 2021
Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	MW-9S	13-Jan-21	396760.1617	2049734.296	17.5-22.5	154.39	20.67	133.72
Onsite	Perched Zone	NAF-01	13-Jan-21	398348.58	2050339.68	5.0-15.0	148.65	8.05	140.6
Onsite	Perched Zone	NAF-02	13-Jan-21	398660.16	2050634.55	5.0-15.0	149.28	8.36	140.92
Onsite	Perched Zone	NAF-03	13-Jan-21	398578.63	2050743.04	5.0-15.0	149.41	8.72	140.69
Onsite	Perched Zone	NAF-04	13-Jan-21	398445.89	2050713.13	5.0-15.0	146.77	5.75	141.02
Onsite	Perched Zone	NAF-06	13-Jan-21	398808.81	2050913.93	2.75-12.75	145.43	11.19	134.24
Onsite	Perched Zone	NAF-07	13-Jan-21	398898.69	2050618.12	5.5-15.5	149.03	7.62	141.41
Onsite	Perched Zone	NAF-08A	13-Jan-21	398098.22	2050886.93	5.0-15.0	147.74	6.14	141.6
Onsite	Surficial Aquifer	NAF-08B	13-Jan-21	398095.97	2050880.18	43.5-53.5	147.83	53.56	94.27
Onsite	Perched Zone	NAF-09	13-Jan-21	397708.78	2050807.44	7.0-17.0	148.62	10.29	138.33
Onsite	Perched Zone	NAF-10	13-Jan-21	397611.81	2050425.2	8.25-18.25	149.25	10.41	138.84
Onsite	Perched Zone	NAF-11A	13-Jan-21	398907.08	2050999.77	2.5-7.5	139.74	2.88	136.86
Onsite	Surficial Aquifer	NAF-11B	13-Jan-21	398911.13	2050995.88	33.5-43.5	140.74	Dry	--
Onsite	Perched Zone	NAF-12	13-Jan-21	398270.555	2050777.49	18 - 23	145.79	4.81	140.98
Onsite	Black Creek Aquifer	OW-1	13-Jan-21	399930.53	2051287.87	40-50	95.01	35.1	59.91
Onsite	Black Creek Aquifer	OW-10	13-Jan-21	399948.17	2051291.21	40-50	94.39	34.45	59.94
Onsite	Black Creek Aquifer	OW-2	13-Jan-21	398572.28	2051801.62	63-73	84.37	34.59	49.78
Onsite	Black Creek Aquifer	OW-3	13-Jan-21	398601.08	2051812.32	63-73	84.64	34.02	50.62
Onsite	Black Creek Aquifer	OW-4	13-Jan-21	395049.16	2052210.81	47-57	80.85	18.91	61.94
Onsite	Black Creek Aquifer	OW-5	13-Jan-21	395070.03	2052196.97	54-64	81.61	19.45	62.16
Onsite	Black Creek Aquifer	OW-6	13-Jan-21	396168.41	2052223.54	50-60	80.53	36.95	43.58
Onsite	Black Creek Aquifer	OW-7	13-Jan-21	397180.06	2052052.69	57-67	81.45	35.45	46
Onsite	Black Creek Aquifer	OW-8	13-Jan-21	397202.33	2052041.98	57-67	82.3	37.05	45.25
Onsite	Black Creek Aquifer	OW-9	13-Jan-21	395075.14	2052211.07	54-64	79.78	17.7	62.08
Onsite	Surficial Aquifer	PIW-10S	13-Jan-21	395104.95	2052296.98	7 - 17	76.32	18.43	57.89
Onsite	Black Creek Aquifer	PIW-11	13-Jan-21	401911.03	2050416.29	47-57	67.02	21.29	45.73
Onsite	Black Creek Aquifer	PIW-12	13-Jan-21	401703.1	2051025.77	64-74	83.78	47.3	36.48
Onsite	Black Creek Aquifer	PIW-13	13-Jan-21	401464.29	2051122.6	54-64	83.18	45.72	37.46
Onsite	Black Creek Aquifer	PIW-14	13-Jan-21	401163.98	2051186.57	56-66	87.43	49.11	38.32
Onsite	Black Creek Aquifer	PIW-15	13-Jan-21	400706.51	2051532.8	34-44	67.85	31.09	36.76
Onsite	Black Creek Aquifer	PIW-16D	13-Jan-21	396257.96	2046587.07	90-100	150.06	18.55	131.51
Onsite	Surficial Aquifer	PIW-16S	13-Jan-21	396267.84	2046586.09	35-45	149.74	14.41	135.33
Onsite	Black Creek Aquifer	PIW-1D	13-Jan-21	400548	2051801.28	24.5 - 29.5	52.16	14.19	37.97
Onsite	Floodplain Deposits	PIW-1S	13-Jan-21	400541.03	2051792.39	7.8 - 17.8	54.04	17.02	37.02
Onsite	Black Creek Aquifer	PIW-2D	13-Jan-21	399925.4	2051315.8	40 - 50	96.19	36.31	59.88
Onsite	Black Creek Aquifer	PIW-3D	13-Jan-21	399711.25	2052086.94	19 - 24	53.42	14.96	38.46
Onsite	Black Creek Aquifer	PIW-4D	13-Jan-21	398816.52	2052101.94	32.3 - 37.3	52.85	9.41	43.44
Onsite	Surficial Aquifer	PIW-5S	13-Jan-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.55	61.47
Onsite	Floodplain Deposits	PIW-6S	13-Jan-21	398117.93	2052539.79	18 - 28	53.4	10.93	42.47
Onsite	Black Creek Aquifer	PIW-7D	13-Jan-21	396787.77	2052595.65	29 - 34	48.93	4.55	44.38
Onsite	Floodplain Deposits	PIW-7S	13-Jan-21	396786.97	2052589.1	7 - 17	47.97	4.21	43.76
Onsite	Black Creek Aquifer	PIW-8D	13-Jan-21	396403.37	2052682.1	35.5 - 40	48.66	6.2	42.46
Onsite	Surficial Aquifer	PIW-9S	13-Jan-21	396148.52	2052251.03	24.8 - 29.8	79.64	27.83	51.81
Onsite	Perched Zone	PW-01	13-Jan-21	399064.799	2049654.303	11 - 21	149.547	12.53	137.02
Onsite	Surficial Aquifer	PW-02	13-Jan-21	399779.064	2050649.466	50 - 60	146.431	56.14	90.29

**TABLE A6
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Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Surficial Aquifer	PW-03	13-Jan-21	397339.809	2050765.319	35 - 45	147.967	41.71	106.26
Onsite	Surficial Aquifer	PW-04	13-Jan-21	394659.549	2050940.657	17 - 27	97.751	23.95	73.8
Onsite	Surficial Aquifer	PW-05	13-Jan-21	395873.1	2047812.929	65 - 75	150.336	26.66	123.68
Onsite	Surficial Aquifer	PW-06	13-Jan-21	392868	2045288.765	19 - 29	147.691	18.27	129.42
Onsite	Surficial Aquifer	PW-07	13-Jan-21	390847.706	2049258.256	28 - 38	148.16	30.65	117.51
Onsite	Black Creek Aquifer	PW-09	13-Jan-21	402000.079	2048979.111	44 - 54	72.925	24.19	48.74
Onsite	Black Creek Aquifer	PW-10R	13-Jan-21	398516.115	2051936.585	57 - 67	75.9	26.01	49.89
Onsite	Black Creek Aquifer	PW-12	13-Jan-21	399500.447	2047063.51	109 - 119	150.61	56.58	94.03
Onsite	Black Creek Aquifer	PW-13	13-Jan-21	397584.263	2048029.184	120 - 130	149.36	31.76	117.6
Onsite	Perched Zone	PZ-11	13-Jan-21	398646.2549	2049820.937	15-20	151.03	8.46	142.57
Onsite	Perched Zone	PZ-12	13-Jan-21	399091.19	2048978.89	15.1-20.1	149.89	18.47	131.42
Onsite	Perched Zone	PZ-13	13-Jan-21	397707.82	2050985.25	7.1-12.1	148.14	10.34	137.8
Onsite	Perched Zone	PZ-14	13-Jan-21	397589.9185	2050618.271	9.0-14.0	148.38	8.01	140.37
Onsite	Perched Zone	PZ-15	13-Jan-21	396806.39	2050107.5	10.2-15.2	147.76	12.09	135.67
Onsite	Perched Zone	PZ-17	13-Jan-21	396614.815	2048872.689	21.1-26.1	150.08	28.23	121.85
Onsite	Perched Zone	PZ-19R	13-Jan-21	397998.663	2049919.516	16-21	150.046	12.56	137.49
Onsite	Perched Zone	PZ-20R	13-Jan-21	398185.809	2049784.598	15-20	151.29	13.87	137.42
Onsite	Perched Zone	PZ-21R	13-Jan-21	398445.157	2049883.125	17-22	150.674	11.62	139.05
Onsite	Black Creek Aquifer	PZ-22	13-Jan-21	397271.94	2052585.34	42.5-47.5	50.7	6.59	44.11
Onsite	Perched Zone	PZ-24	13-Jan-21	396117.94	2050744.07	11 - 16	147.53	13.15	134.38
Onsite	Perched Zone	PZ-25R	13-Jan-21	395971.54	2050748.23	6 to 16	147.51	Dry	--
Onsite	Perched Zone	PZ-26	13-Jan-21	396059.78	2050382.35	11 - 16	147.7	10.53	137.17
Onsite	Perched Zone	PZ-27	13-Jan-21	395922.11	2050376.76	12 - 17	147.17	13.93	133.24
Onsite	Perched Zone	PZ-28	13-Jan-21	396304.55	2049933.79	13 - 18	148.64	12.79	135.85
Onsite	Perched Zone	PZ-29	13-Jan-21	396377.59	2049771.59	12 - 18	147.74	13.92	133.82
Onsite	Perched Zone	PZ-31	13-Jan-21	396428.73	2049594.355	14 - 19	147.999	17.46	130.54
Onsite	Perched Zone	PZ-32	13-Jan-21	396418.471	2049713.787	13 - 18	148.471	14.97	133.5
Onsite	Perched Zone	PZ-33	13-Jan-21	396308.915	2049707.661	12.5-17.5	146.715	13.35	133.36
Onsite	Perched Zone	PZ-34	13-Jan-21	396292.05	2049595.039	13.5-18.5	147.695	15.31	132.38
Onsite	Perched Zone	PZ-35	13-Jan-21	398232.643	2050020.494	13 - 18	150.43	11.9	138.53
Onsite	Perched Zone	PZ-36	13-Jan-21	396086.17	2051331.44	5 - 8.5	135.2	2.59	132.61
Onsite	Perched Zone	PZ-37	13-Jan-21	396042.4	2051050.05	5 - 8	135.56	6.68	128.88
Onsite	Perched Zone	PZ-38	13-Jan-21	395970.01	2050569.66	5 - 9	137.34	6.89	130.45
Onsite	Perched Zone	PZ-39	13-Jan-21	395921.87	2050238.18	5 - 10	137.93	3.7	134.23
Onsite	Perched Zone	PZ-40	13-Jan-21	395943.02	2050031.9	5 - 9	138.51	3.94	134.57
Onsite	Perched Zone	PZ-41	13-Jan-21	395979.29	2050048.97	5 - 8.5	138.13	3.12	135.01
Onsite	Perched Zone	PZ-42	13-Jan-21	395961.73	2050230.23	3 - 7	138.17	3.09	135.08
Onsite	Perched Zone	PZ-43	13-Jan-21	396011.61	2050567.89	5 - 9	137.06	4.8	132.26
Onsite	Perched Zone	PZ-44	13-Jan-21	396082.75	2051045.25	5 - 7	136.26	2.84	133.42
Onsite	Perched Zone	PZ-45	13-Jan-21	396124.41	2051323.03	2 - 4	135.69	2.2	133.49
Onsite	Surficial Aquifer	PZ-L	13-Jan-21	396745.804	2048684.008	13-28	147.86	Dry	--
Onsite	Surficial Aquifer	SMW-01	13-Jan-21	395297.97	2043688.29	5.0-15.0	150.58	10.76	139.82
Onsite	Perched Zone	SMW-02	13-Jan-21	399982.23	2050655.91	5.0-20.0	144.59	10.31	134.28
Onsite	Surficial Aquifer	SMW-02B	13-Jan-21	399983.75	2050654.77	43.0-53.0	147.93	Dry	--
Onsite	Perched Zone	SMW-03	13-Jan-21	399779.32	2049445.32	10.0-20.0	151.094	22.68	128.41

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Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	SMW-03B	13-Jan-21	399785.752	2049421.539	72 - 82	150.43	56.16	94.27
Onsite	Perched Zone	SMW-04A	13-Jan-21	399668.71	2048387.57	19.5-34.5	148.09	37.21	110.88
Onsite	Surficial Aquifer	SMW-04B	13-Jan-21	399666.21	2048392.37	43.0-53.0	147.65	44.89	102.76
Onsite	Perched Zone	SMW-05	13-Jan-21	399334.0651	2048557.335	10.0-20.0	148.099	22.89	125.21
Onsite	Surficial Aquifer	SMW-05P	13-Jan-21	399391.46	2049235.07	45.0-60.0	149.66	43.66	106
Onsite	Perched Zone	SMW-06	13-Jan-21	399172.346	2048759.478	12.0-22.0	150.97	Dry	--
Onsite	Surficial Aquifer	SMW-06B	13-Jan-21	399144.744	2048764.939	58 - 68	150.32	46.92	103.4
Onsite	Perched Zone	SMW-07	13-Jan-21	398931.13	2048611.74	13.0-23.0	146.79	19.06	127.73
Onsite	Perched Zone	SMW-08	13-Jan-21	399064.972	2048468.783	21.0-31.0	151.017	Dry	--
Onsite	Surficial Aquifer	SMW-08B	13-Jan-21	399058.325	2048478.84	58 - 68	148.81	40.38	108.43
Onsite	Surficial Aquifer	SMW-09	13-Jan-21	401076.889	2050017.409	52 - 62	141.43	55.51	85.92
Onsite	Surficial Aquifer	SMW-10	13-Jan-21	402307.305	2047923.84	39 - 49	76.26	28.57	47.69
Onsite	Surficial Aquifer	SMW-11	13-Jan-21	401996.154	2048975.382	13 - 23	71.95	11.99	59.96
Onsite	Black Creek Aquifer	SMW-12	13-Jan-21	401314.202	2051007.222	88 - 98	118.22	80.81	37.41
Offsite	Black Creek Aquifer	BLADEN-1D	13-Jan-21	387522.245	2050247.399	37 - 47	76.96	18.98	57.98
Offsite	Surficial Aquifer	BLADEN-1S	13-Jan-21	387518.967	2050233.347	5 - 10	76.74	8.6	68.14
Offsite	Black Creek Aquifer	BLADEN-2D	13-Jan-21	368827.094	2042878.344	70 - 75	138.27	15.97	122.3
Offsite	Surficial Aquifer	BLADEN-2S	13-Jan-21	368821.463	2042882.917	10 - 20	138.04	3.32	134.72
Offsite	Black Creek Aquifer	BLADEN-3D	13-Jan-21	396856.978	2059006.562	33.75 - 43.75	75.52	8.45	67.07
Offsite	Surficial Aquifer	BLADEN-3S	13-Jan-21	396862.307	2059012.932	5 - 15	74.27	6.5	67.77
Offsite	Black Creek Aquifer	BLADEN-4D	13-Jan-21	363255.115	2087636.869	46.75 - 51.75	59.66	NM	--
Offsite	Surficial Aquifer	BLADEN-4S	13-Jan-21	363263.191	2087637.461	4.75 - 14.75	59.68	4.15	55.53
Offsite	Black Creek Aquifer	CUMBERLAND-1D	13-Jan-21	431459.947	2011071.39	40 - 50	174.6	1.18	173.42
Offsite	Surficial Aquifer	CUMBERLAND-1S	13-Jan-21	431459.947	2011071.39	15 - 25	174.73	1.2	173.53
Offsite	Black Creek Aquifer	CUMBERLAND-2D	13-Jan-21	449987.54	2074019.139	47 - 57	129.23	2.47	126.76
Offsite	Surficial Aquifer	CUMBERLAND-2S	13-Jan-21	449979.1	2074020.858	7 - 17	129.06	1.86	127.2
Offsite	Black Creek Aquifer	CUMBERLAND-3D	13-Jan-21	423248.115	2060409.157	22 - 27	78.79	5.77	73.02
Offsite	Surficial Aquifer	CUMBERLAND-3S	13-Jan-21	423254.641	2060413.302	9 - 14	79.063	5.81	73.25
Offsite	Black Creek Aquifer	CUMBERLAND-4D	13-Jan-21	413095.774	2078249.953	57 - 67	119.22	10.73	108.49
Offsite	Surficial Aquifer	CUMBERLAND-4S	13-Jan-21	413086.626	2078255.528	10 - 20	119.362	5.69	113.67
Offsite	Black Creek Aquifer	CUMBERLAND-5D	13-Jan-21	405619.17	2138238.586	52 - 57	106.67	6.51	100.16
Offsite	Surficial Aquifer	CUMBERLAND-5S	13-Jan-21	405623.274	2138233.369	14 - 24	106.65	1.21	105.44
Offsite	Black Creek Aquifer	ROBESON-1D	13-Jan-21	381416.282	2020158.933	42.75 - 52.75	156.36	7.89	148.47
Offsite	Surficial Aquifer	ROBESON-1S	13-Jan-21	381408.19	2020156.855	17 - 27	156.66	4.76	151.9
Onsite	Black Creek Aquifer	BCA-01	14-Jan-21	399779.96	2050662.48	91 - 101	146.25	60.39	85.86
Onsite	Black Creek Aquifer	BCA-02	14-Jan-21	396242.02	2051062.07	92 - 102	148.37	72.88	75.49
Onsite	Black Creek Aquifer	PIW-10DR	14-Jan-21	395093.99	2052297.3	53 - 58	75.91	14.12	61.79
Onsite	Black Creek Aquifer	PIW-9D	14-Jan-21	396155.84	2052250.84	40 - 45	79.64	36.93	42.71
Onsite	Black Creek Aquifer	PW-11	14-Jan-21	394354.363	2052226.721	53 - 63	73.263	30.49	42.77
Onsite	Black Creek Aquifer	PW-14	14-Jan-21	397325.648	2050766.359	136 - 146	147.97	60.54	87.43
Onsite	Black Creek Aquifer	PW-15R	14-Jan-21	398900.875	2051011.753	110 - 120	136.14	69.73	66.41
Onsite	Black Creek Aquifer	BCA-01	2-Feb-21	399779.96	2050662.48	91 - 101	146.25	60.45	85.8
Onsite	Black Creek Aquifer	PW-15R	2-Feb-21	398900.875	2051011.753	110 - 120	136.14	NM	--
Onsite	Black Creek Aquifer	BCA-02	3-Feb-21	396242.02	2051062.07	92 - 102	148.37	72.91	75.46
Onsite	Black Creek Aquifer	BCA-03R	3-Feb-21	398582.23	2049522.22	88 - 98	150.82	49.52	101.3

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GROUNDWATER ELEVATIONS - Q1 2021
Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	BCA-04	3-Feb-21	395877.665	2047823.03	94 - 104	150.31	26.25	124.06
Onsite	Black Creek Aquifer	EW-1	3-Feb-21	399934.65	2051297.51	40-60	91.33	31.52	59.81
Onsite	Black Creek Aquifer	EW-2	3-Feb-21	396164.48	2052232.61	40-65	77.25	31.92	45.33
Onsite	Black Creek Aquifer	EW-3	3-Feb-21	395059.78	2052214.66	37-67	76.48	14.6	61.88
Onsite	Black Creek Aquifer	EW-4	3-Feb-21	398581.51	2051805.58	53-73	80.64	29.62	51.02
Onsite	Black Creek Aquifer	EW-5	3-Feb-21	397200.16	2052052.65	37-67	78.5	30.88	47.62
Onsite	Perched Zone	FTA-01	3-Feb-21	397906.09	2049370.01	12.0-22.0	149.6	16.13	133.47
Onsite	Perched Zone	FTA-02	3-Feb-21	397784.99	2049203.29	11.5-22.0	149.3	17.28	132.02
Onsite	Perched Zone	FTA-03	3-Feb-21	397766.23	2049310.46	12.0-22.0	150.1	17.23	132.87
Onsite	Surficial Aquifer	INSITU-01	3-Feb-21	401657.39	2046078.99	7.0-17.0	89.12	4.07	85.05
Onsite	Surficial Aquifer	INSITU-02	3-Feb-21	401863.46	2049136.62	7.0-17.0	113.12	Dry	--
Onsite	Floodplain Deposits	LTW-01	3-Feb-21	399565.01	2052150.62	11.0-26.0	52.71	10.99	41.72
Onsite	Black Creek Aquifer	LTW-02	3-Feb-21	398847.57	2052355.48	28.0-38.0	51.39	7.68	43.71
Onsite	Floodplain Deposits	LTW-03	3-Feb-21	398114.45	2052558.35	15.0-30.0	51.75	8.92	42.83
Onsite	Floodplain Deposits	LTW-04	3-Feb-21	397279.61	2052584.95	12.0-27.0	50.66	5.56	45.1
Onsite	Black Creek Aquifer	LTW-05	3-Feb-21	396430.31	2052740.4	29.0-44.0	50.94	6.99	43.95
Onsite	Perched Zone	MW-11	3-Feb-21	396544.4	2049051.06	11.5-21.5	148.53	23.45	125.08
Onsite	Perched Zone	MW-12S	3-Feb-21	397262.9	2049269.37	17.5-22.5	151.08	19.35	131.73
Onsite	Surficial Aquifer	MW-13D	3-Feb-21	397119.015	2049821.123	57 - 67	148.65	43.98	104.67
Onsite	Surficial Aquifer	MW-14D	3-Feb-21	396974.485	2049074.561	62 - 72	149.73	39.2	110.53
Onsite	Surficial Aquifer	MW-15DRR	3-Feb-21	398580.71	2049511.75	52.5 - 62.5	150.92	47.59	103.33
Onsite	Surficial Aquifer	MW-16D	3-Feb-21	398493.703	2048402.838	72 - 82	148.41	35.19	113.22
Onsite	Surficial Aquifer	MW-17D	3-Feb-21	398401.741	2047366.496	57 - 67	146.117	27.25	118.87
Onsite	Surficial Aquifer	MW-18D	3-Feb-21	400947.3	2046574.35	50 - 60	108.1	18.28	89.82
Onsite	Surficial Aquifer	MW-19D	3-Feb-21	401151.43	2048272.93	46 - 56	139.36	49.26	90.1
Onsite	Perched Zone	MW-1S	3-Feb-21	397080.69	2049117.99	21.0-24.0	148.88	18.46	130.42
Onsite	Surficial Aquifer	MW-20D	3-Feb-21	400791.01	2048733.71	65 - 75	137.2	46.16	91.04
Onsite	Surficial Aquifer	MW-21D	3-Feb-21	399501.88	2047074.92	72 - 82	151.42	43.77	107.65
Onsite	Surficial Aquifer	MW-22D	3-Feb-21	398518.4	2048362.48	52 - 72	149.09	35.06	114.03
Onsite	Perched Zone	MW-23	3-Feb-21	396237.61	2051063.25	9.5 - 14.5	148.34	13.54	134.8
Onsite	Perched Zone	MW-24	3-Feb-21	397303.94	2048767.69	18.8 - 23.8	150.31	21.07	129.24
Onsite	Perched Zone	MW-25	3-Feb-21	396753.37	2050989.82	12 - 17	147.59	12.87	134.72
Onsite	Perched Zone	MW-26	3-Feb-21	396265.18	2051484.67	5 - 10	147.7	10.81	136.89
Onsite	Perched Zone	MW-27	3-Feb-21	396010.33	2051472	10 - 15	146.83	13.63	133.2
Onsite	Perched Zone	MW-28	3-Feb-21	395719.79	2051165.93	9 - 14	144.7	13.35	131.35
Onsite	Perched Zone	MW-30	3-Feb-21	397340.79	2050776.09	10 - 15	147.67	11.43	136.24
Onsite	Perched Zone	MW-31	3-Feb-21	396390.698	2049622.884	17-22	147.699	15.52	132.18
Onsite	Perched Zone	MW-32	3-Feb-21	396359.577	2049651.789	13-18.5	147.106	14.44	132.67
Onsite	Perched Zone	MW-33	3-Feb-21	396337.507	2049678.558	12-17	146.82	13.86	132.96
Onsite	Perched Zone	MW-34	3-Feb-21	396352.902	2049619.086	17-22	147.972	15.49	132.48
Onsite	Perched Zone	MW-35	3-Feb-21	396332.943	2049631.155	14-19	147.541	14.96	132.58
Onsite	Perched Zone	MW-36	3-Feb-21	396320.088	2049651.174	12-17	147.889	15.19	132.7
Onsite	Perched Zone	MW-7S	3-Feb-21	397444.5245	2049809.731	NA	147.47	9.33	138.14
Onsite	Perched Zone	MW-8S	3-Feb-21	397096.4767	2049867.768	NA	146.48	7.63	138.85
Onsite	Perched Zone	MW-9S	3-Feb-21	396760.1617	2049734.296	17.5-22.5	154.39	20.6	133.79

**TABLE A6
GROUNDWATER ELEVATIONS - Q1 2021
Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	NAF-01	3-Feb-21	398348.58	2050339.68	5.0-15.0	148.65	7.58	141.07
Onsite	Perched Zone	NAF-02	3-Feb-21	398660.16	2050634.55	5.0-15.0	149.28	7.98	141.3
Onsite	Perched Zone	NAF-03	3-Feb-21	398578.63	2050743.04	5.0-15.0	149.41	8.41	141
Onsite	Perched Zone	NAF-04	3-Feb-21	398445.89	2050713.13	5.0-15.0	146.77	5.38	141.39
Onsite	Perched Zone	NAF-06	3-Feb-21	398808.81	2050913.93	2.75-12.75	145.43	11.01	134.42
Onsite	Perched Zone	NAF-07	3-Feb-21	398898.69	2050618.12	5.5-15.5	149.03	7.53	141.5
Onsite	Perched Zone	NAF-08A	3-Feb-21	398098.22	2050886.93	5.0-15.0	147.74	6.09	141.65
Onsite	Surficial Aquifer	NAF-08B	3-Feb-21	398095.97	2050880.18	43.5-53.5	147.83	53.26	94.57
Onsite	Perched Zone	NAF-09	3-Feb-21	397708.78	2050807.44	7.0-17.0	148.62	10.11	138.51
Onsite	Perched Zone	NAF-10	3-Feb-21	397611.81	2050425.2	8.25-18.25	149.25	10.22	139.03
Onsite	Perched Zone	NAF-11A	3-Feb-21	398907.08	2050999.77	2.5-7.5	139.74	2.88	136.86
Onsite	Surficial Aquifer	NAF-11B	3-Feb-21	398911.13	2050995.88	33.5-43.5	140.74	46.63	94.11
Onsite	Perched Zone	NAF-12	3-Feb-21	398270.555	2050777.49	18 - 23	145.79	4.5	141.29
Onsite	Black Creek Aquifer	OW-1	3-Feb-21	399930.53	2051287.87	40-50	95.01	34.96	60.05
Onsite	Black Creek Aquifer	OW-10	3-Feb-21	399948.17	2051291.21	40-50	94.39	34.29	60.1
Onsite	Black Creek Aquifer	OW-2	3-Feb-21	398572.28	2051801.62	63-73	84.37	33.56	50.81
Onsite	Black Creek Aquifer	OW-3	3-Feb-21	398601.08	2051812.32	63-73	84.64	34.01	50.63
Onsite	Black Creek Aquifer	OW-4	3-Feb-21	395049.16	2052210.81	47-57	80.85	18.94	61.91
Onsite	Black Creek Aquifer	OW-5	3-Feb-21	395070.03	2052196.97	54-64	81.61	19.49	62.12
Onsite	Black Creek Aquifer	OW-6	3-Feb-21	396168.41	2052223.54	50-60	80.53	35.82	44.71
Onsite	Black Creek Aquifer	OW-7	3-Feb-21	397180.06	2052052.69	57-67	81.45	34.84	46.61
Onsite	Black Creek Aquifer	OW-8	3-Feb-21	397202.33	2052041.98	57-67	82.3	36.45	45.85
Onsite	Black Creek Aquifer	OW-9	3-Feb-21	395075.14	2052211.07	54-64	79.78	17.75	62.03
Onsite	Black Creek Aquifer	PIW-10DR	3-Feb-21	395093.99	2052297.3	53 - 58	75.91	14.15	61.76
Onsite	Surficial Aquifer	PIW-10S	3-Feb-21	395104.95	2052296.98	7 - 17	76.32	18.46	57.86
Onsite	Black Creek Aquifer	PIW-11	3-Feb-21	401911.03	2050416.29	47-57	67.02	20.54	46.48
Onsite	Black Creek Aquifer	PIW-12	3-Feb-21	401703.1	2051025.77	64-74	83.78	43.31	40.47
Onsite	Black Creek Aquifer	PIW-13	3-Feb-21	401464.29	2051122.6	54-64	83.18	43.38	39.8
Onsite	Black Creek Aquifer	PIW-14	3-Feb-21	401163.98	2051186.57	56-66	87.43	47.13	40.3
Onsite	Black Creek Aquifer	PIW-15	3-Feb-21	400706.51	2051532.8	34-44	67.85	27.64	40.21
Onsite	Black Creek Aquifer	PIW-16D	3-Feb-21	396257.96	2046587.07	90-100	150.06	18.1	131.96
Onsite	Surficial Aquifer	PIW-16S	3-Feb-21	396267.84	2046586.09	35-45	149.74	14.09	135.65
Onsite	Black Creek Aquifer	PIW-1D	3-Feb-21	400548	2051801.28	24.5 - 29.5	52.16	11.74	40.42
Onsite	Floodplain Deposits	PIW-1S	3-Feb-21	400541.03	2051792.39	7.8 - 17.8	54.04	13.5	40.54
Onsite	Black Creek Aquifer	PIW-2D	3-Feb-21	399925.4	2051315.8	40 - 50	96.19	36.19	60
Onsite	Black Creek Aquifer	PIW-3D	3-Feb-21	399711.25	2052086.94	19 - 24	53.42	11.46	41.96
Onsite	Black Creek Aquifer	PIW-4D	3-Feb-21	398816.52	2052101.94	32.3 - 37.3	52.85	8.88	43.97
Onsite	Surficial Aquifer	PIW-5S	3-Feb-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.51	61.51
Onsite	Floodplain Deposits	PIW-6S	3-Feb-21	398117.93	2052539.79	18 - 28	53.4	10.33	43.07
Onsite	Black Creek Aquifer	PIW-7D	3-Feb-21	396787.77	2052595.65	29 - 34	48.93	3.62	45.31
Onsite	Floodplain Deposits	PIW-7S	3-Feb-21	396786.97	2052589.1	7 - 17	47.97	3.45	44.52
Onsite	Black Creek Aquifer	PIW-8D	3-Feb-21	396403.37	2052682.1	35.5 - 40	48.66	4.72	43.94
Onsite	Black Creek Aquifer	PIW-9D	3-Feb-21	396155.84	2052250.84	40 - 45	79.64	28.47	51.17
Onsite	Surficial Aquifer	PIW-9S	3-Feb-21	396148.52	2052251.03	24.8 - 29.8	79.64	27.93	51.71
Onsite	Perched Zone	PW-01	3-Feb-21	399064.799	2049654.303	11 - 21	149.547	12.5	137.05

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Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Surficial Aquifer	PW-02	3-Feb-21	399779.064	2050649.466	50 - 60	146.431	55.73	90.7
Onsite	Surficial Aquifer	PW-03	3-Feb-21	397339.809	2050765.319	35 - 45	147.967	41.71	106.26
Onsite	Surficial Aquifer	PW-04	3-Feb-21	394659.549	2050940.657	17 - 27	97.751	23.78	73.97
Onsite	Surficial Aquifer	PW-05	3-Feb-21	395873.1	2047812.929	65 - 75	150.336	26.37	123.97
Onsite	Surficial Aquifer	PW-06	3-Feb-21	392868	2045288.765	19 - 29	147.691	18.18	129.51
Onsite	Surficial Aquifer	PW-07	3-Feb-21	390847.706	2049258.256	28 - 38	148.16	30.05	118.11
Onsite	Black Creek Aquifer	PW-09	3-Feb-21	402000.079	2048979.111	44 - 54	72.925	24.17	48.76
Onsite	Black Creek Aquifer	PW-10R	3-Feb-21	398516.115	2051936.585	57 - 67	75.9	26.04	49.86
Onsite	Black Creek Aquifer	PW-11	3-Feb-21	394354.363	2052226.721	53 - 63	73.263	30.36	42.9
Onsite	Black Creek Aquifer	PW-12	3-Feb-21	399500.447	2047063.51	109 - 119	150.61	56.34	94.27
Onsite	Black Creek Aquifer	PW-13	3-Feb-21	397584.263	2048029.184	120 - 130	149.36	31.37	117.99
Onsite	Black Creek Aquifer	PW-14	3-Feb-21	397325.648	2050766.359	136 - 146	147.97	60.28	87.69
Onsite	Perched Zone	PZ-11	3-Feb-21	398646.2549	2049820.937	15-20	151.03	8.26	142.77
Onsite	Perched Zone	PZ-12	3-Feb-21	399091.19	2048978.89	15.1-20.1	149.89	18.43	131.46
Onsite	Perched Zone	PZ-13	3-Feb-21	397707.82	2050985.25	7.1-12.1	148.14	10.02	138.12
Onsite	Perched Zone	PZ-14	3-Feb-21	397589.9185	2050618.271	9.0-14.0	148.38	12.02	136.36
Onsite	Perched Zone	PZ-15	3-Feb-21	396806.39	2050107.5	10.2-15.2	147.76	12.94	134.82
Onsite	Perched Zone	PZ-17	3-Feb-21	396614.815	2048872.689	21.1-26.1	150.08	28.24	121.84
Onsite	Perched Zone	PZ-19R	3-Feb-21	397998.663	2049919.516	16-21	150.046	12.34	137.71
Onsite	Perched Zone	PZ-20R	3-Feb-21	398185.809	2049784.598	15-20	151.29	13.62	137.67
Onsite	Perched Zone	PZ-21R	3-Feb-21	398445.157	2049883.125	17-22	150.674	11.35	139.32
Onsite	Black Creek Aquifer	PZ-22	3-Feb-21	397271.94	2052585.34	42.5-47.5	50.7	5.42	45.28
Onsite	Perched Zone	PZ-24	3-Feb-21	396117.94	2050744.07	11 - 16	147.53	13.8	133.73
Onsite	Perched Zone	PZ-25R	3-Feb-21	395971.54	2050748.23	6 to 16	147.51	Dry	--
Onsite	Perched Zone	PZ-26	3-Feb-21	396059.78	2050382.35	11 - 16	147.7	11.49	136.21
Onsite	Perched Zone	PZ-27	3-Feb-21	395922.11	2050376.76	12 - 17	147.17	14	133.17
Onsite	Perched Zone	PZ-28	3-Feb-21	396304.55	2049933.79	13 - 18	148.64	12.93	135.71
Onsite	Perched Zone	PZ-29	3-Feb-21	396377.59	2049771.59	12 - 18	147.74	14.1	133.64
Onsite	Perched Zone	PZ-31	3-Feb-21	396428.73	2049594.355	14 - 19	147.999	17.56	130.44
Onsite	Perched Zone	PZ-32	3-Feb-21	396418.471	2049713.787	13 - 18	148.471	15.05	133.42
Onsite	Perched Zone	PZ-33	3-Feb-21	396308.915	2049707.661	12.5-17.5	146.715	13.49	133.22
Onsite	Perched Zone	PZ-34	3-Feb-21	396292.05	2049595.039	13.5-18.5	147.695	15.5	132.2
Onsite	Perched Zone	PZ-35	3-Feb-21	398232.643	2050020.494	13 - 18	150.43	11.61	138.82
Onsite	Perched Zone	PZ-36	3-Feb-21	396086.17	2051331.44	5 - 8.5	135.2	2.62	132.58
Onsite	Perched Zone	PZ-37	3-Feb-21	396042.4	2051050.05	5 - 8	135.56	2.57	132.99
Onsite	Perched Zone	PZ-38	3-Feb-21	395970.01	2050569.66	5 - 9	137.34	7.44	129.9
Onsite	Perched Zone	PZ-39	3-Feb-21	395921.87	2050238.18	5 - 10	137.93	3.72	134.21
Onsite	Perched Zone	PZ-40	3-Feb-21	395943.02	2050031.9	5 - 9	138.51	3.95	134.56
Onsite	Perched Zone	PZ-41	3-Feb-21	395979.29	2050048.97	5 - 8.5	138.13	3.18	134.95
Onsite	Perched Zone	PZ-42	3-Feb-21	395961.73	2050230.23	3 - 7	138.17	3.33	134.84
Onsite	Perched Zone	PZ-43	3-Feb-21	396011.61	2050567.89	5 - 9	137.06	5.52	131.54
Onsite	Perched Zone	PZ-44	3-Feb-21	396082.75	2051045.25	5 - 7	136.26	3.12	133.14
Onsite	Perched Zone	PZ-45	3-Feb-21	396124.41	2051323.03	2 - 4	135.69	2.23	133.46
Onsite	Surficial Aquifer	PZ-L	3-Feb-21	396745.804	2048684.008	13-28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	3-Feb-21	395297.97	2043688.29	5.0-15.0	150.58	10.58	140

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Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	SMW-02	3-Feb-21	399982.23	2050655.91	5.0-20.0	144.59	10.38	134.21
Onsite	Surficial Aquifer	SMW-02B	3-Feb-21	399983.75	2050654.77	43.0-53.0	147.93	55.91	92.02
Onsite	Perched Zone	SMW-03	3-Feb-21	399779.32	2049445.32	10.0-20.0	151.094	Dry	--
Onsite	Black Creek Aquifer	SMW-03B	3-Feb-21	399785.752	2049421.539	72 - 82	150.43	55.76	94.67
Onsite	Perched Zone	SMW-04A	3-Feb-21	399668.71	2048387.57	19.5-34.5	148.09	Dry	--
Onsite	Surficial Aquifer	SMW-04B	3-Feb-21	399666.21	2048392.37	43.0-53.0	147.65	44.66	102.99
Onsite	Perched Zone	SMW-05	3-Feb-21	399334.0651	2048557.335	10.0-20.0	148.099	22.89	125.21
Onsite	Surficial Aquifer	SMW-05P	3-Feb-21	399391.46	2049235.07	45.0-60.0	149.66	43.45	106.21
Onsite	Perched Zone	SMW-06	3-Feb-21	399172.346	2048759.478	12.0-22.0	150.97	Dry	--
Onsite	Surficial Aquifer	SMW-06B	3-Feb-21	399144.744	2048764.939	58 - 68	150.32	46.71	103.61
Onsite	Perched Zone	SMW-07	3-Feb-21	398931.13	2048611.74	13.0-23.0	146.79	19.17	127.62
Onsite	Perched Zone	SMW-08	3-Feb-21	399064.972	2048468.783	21.0-31.0	151.017	Dry	--
Onsite	Surficial Aquifer	SMW-08B	3-Feb-21	399058.325	2048478.84	58 - 68	148.81	40.17	108.64
Onsite	Surficial Aquifer	SMW-09	3-Feb-21	401076.889	2050017.409	52 - 62	141.43	55.06	86.37
Onsite	Surficial Aquifer	SMW-10	3-Feb-21	402307.305	2047923.84	39 - 49	76.26	28.55	47.71
Onsite	Surficial Aquifer	SMW-11	3-Feb-21	401996.154	2048975.382	13 - 23	71.95	11.92	60.03
Onsite	Black Creek Aquifer	SMW-12	3-Feb-21	401314.202	2051007.222	88 - 98	118.22	79.16	39.06
Offsite	Black Creek Aquifer	BLADEN-1D	3-Feb-21	387522.245	2050247.399	37 - 47	76.96	19.09	57.87
Offsite	Surficial Aquifer	BLADEN-1S	3-Feb-21	387518.967	2050233.347	5 - 10	76.74	8.48	68.26
Offsite	Black Creek Aquifer	BLADEN-2D	3-Feb-21	368827.094	2042878.344	70 - 75	138.27	15.84	122.43
Offsite	Surficial Aquifer	BLADEN-2S	3-Feb-21	368821.463	2042882.917	10 - 20	138.04	3.11	134.93
Offsite	Black Creek Aquifer	BLADEN-3D	3-Feb-21	396856.978	2059006.562	33.75 - 43.75	75.52	8.37	67.15
Offsite	Surficial Aquifer	BLADEN-3S	3-Feb-21	396862.307	2059012.932	5 - 15	74.27	6.56	67.71
Offsite	Black Creek Aquifer	BLADEN-4D	3-Feb-21	363255.115	2087636.869	46.75 - 51.75	59.66	NM	--
Offsite	Surficial Aquifer	BLADEN-4S	3-Feb-21	363263.191	2087637.461	4.75 - 14.75	59.68	4.28	55.4
Offsite	Black Creek Aquifer	CUMBERLAND-1D	3-Feb-21	431459.947	2011071.39	40 - 50	174.6	1.15	173.45
Offsite	Surficial Aquifer	CUMBERLAND-1S	3-Feb-21	431459.947	2011071.39	15 - 25	174.73	1.26	173.47
Offsite	Black Creek Aquifer	CUMBERLAND-2D	3-Feb-21	449987.54	2074019.139	47 - 57	129.23	2.44	126.79
Offsite	Surficial Aquifer	CUMBERLAND-2S	3-Feb-21	449979.1	2074020.858	7 - 17	129.06	1.91	127.15
Offsite	Black Creek Aquifer	CUMBERLAND-3D	3-Feb-21	423248.115	2060409.157	22 - 27	78.79	5.81	72.98
Offsite	Surficial Aquifer	CUMBERLAND-3S	3-Feb-21	423254.641	2060413.302	9 - 14	79.063	5.67	73.39
Offsite	Black Creek Aquifer	CUMBERLAND-4D	3-Feb-21	413095.774	2078249.953	57 - 67	119.22	10.74	108.48
Offsite	Surficial Aquifer	CUMBERLAND-4S	3-Feb-21	413086.626	2078255.528	10 - 20	119.362	5.84	113.52
Offsite	Surficial Aquifer	CUMBERLAND-5S	3-Feb-21	405623.274	2138233.369	14 - 24	106.65	1.27	105.38
Offsite	Black Creek Aquifer	ROBESON-1D	3-Feb-21	381416.282	2020158.933	42.75 - 52.75	156.36	7.98	148.38
Offsite	Surficial Aquifer	ROBESON-1S	3-Feb-21	381408.19	2020156.855	17 - 27	156.66	4.87	151.79
Onsite	Black Creek Aquifer	BCA-01	5-Mar-21	399779.96	2050662.48	91 - 101	146.25	57.56	88.69
Onsite	Black Creek Aquifer	BCA-02	5-Mar-21	396242.02	2051062.07	92 - 102	148.37	72.59	75.78
Onsite	Black Creek Aquifer	BCA-03R	5-Mar-21	398582.23	2049522.22	88 - 98	150.82	48.75	102.07
Onsite	Black Creek Aquifer	BCA-04	5-Mar-21	395877.665	2047823.03	94 - 104	150.31	24.72	125.59
Onsite	Black Creek Aquifer	EW-1	5-Mar-21	399934.65	2051297.51	40-60	91.33	31.19	60.14
Onsite	Black Creek Aquifer	EW-2	5-Mar-21	396164.48	2052232.61	40-65	77.25	30.45	46.8
Onsite	Black Creek Aquifer	EW-3	5-Mar-21	395059.78	2052214.66	37-67	76.48	14.06	62.42
Onsite	Black Creek Aquifer	EW-4	5-Mar-21	398581.51	2051805.58	53-73	80.64	29.19	51.45
Onsite	Black Creek Aquifer	EW-5	5-Mar-21	397200.16	2052052.65	37-67	78.5	31.61	46.89

**TABLE A6
GROUNDWATER ELEVATIONS - Q1 2021
Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	FTA-01	5-Mar-21	397906.09	2049370.01	12.0-22.0	149.6	15.71	133.89
Onsite	Perched Zone	FTA-02	5-Mar-21	397784.99	2049203.29	11.5-22.0	149.3	16.89	132.41
Onsite	Perched Zone	FTA-03	5-Mar-21	397766.23	2049310.46	12.0-22.0	150.1	16.72	133.38
Onsite	Surficial Aquifer	INSITU-01	5-Mar-21	401657.39	2046078.99	7.0-17.0	89.12	3.67	85.45
Onsite	Surficial Aquifer	INSITU-02	5-Mar-21	401863.46	2049136.62	7.0-17.0	113.12	DRY	--
Onsite	Floodplain Deposits	LTW-01	5-Mar-21	399565.01	2052150.62	11.0-26.0	52.71	11.4	41.31
Onsite	Black Creek Aquifer	LTW-02	5-Mar-21	398847.57	2052355.48	28.0-38.0	51.39	8.16	43.23
Onsite	Floodplain Deposits	LTW-03	5-Mar-21	398114.45	2052558.35	15.0-30.0	51.75	9.05	42.7
Onsite	Floodplain Deposits	LTW-04	5-Mar-21	397279.61	2052584.95	12.0-27.0	50.66	5.5	45.16
Onsite	Black Creek Aquifer	LTW-05	5-Mar-21	396430.31	2052740.4	29.0-44.0	50.94	7.2	43.74
Onsite	Perched Zone	MW-11	5-Mar-21	396544.4	2049051.06	11.5-21.5	148.53	23.25	125.28
Onsite	Perched Zone	MW-12S	5-Mar-21	397262.9	2049269.37	17.5-22.5	151.08	18.62	132.46
Onsite	Surficial Aquifer	MW-14D	5-Mar-21	396974.485	2049074.561	62 - 72	149.73	38.54	111.19
Onsite	Surficial Aquifer	MW-15DRR	5-Mar-21	398580.71	2049511.75	52.5 - 62.5	150.92	47.21	103.71
Onsite	Surficial Aquifer	MW-16D	5-Mar-21	398493.703	2048402.838	72 - 82	148.41	34.29	114.12
Onsite	Surficial Aquifer	MW-17D	5-Mar-21	398401.741	2047366.496	57 - 67	146.117	25.94	120.18
Onsite	Surficial Aquifer	MW-18D	5-Mar-21	400947.3	2046574.35	50 - 60	108.1	17.13	90.97
Onsite	Surficial Aquifer	MW-19D	5-Mar-21	401151.43	2048272.93	46 - 56	139.36	47.95	91.41
Onsite	Perched Zone	MW-1S	5-Mar-21	397080.69	2049117.99	21.0-24.0	148.88	17.8	131.08
Onsite	Surficial Aquifer	MW-20D	5-Mar-21	400791.01	2048733.71	65 - 75	137.2	45.21	91.99
Onsite	Surficial Aquifer	MW-21D	5-Mar-21	399501.88	2047074.92	72 - 82	151.42	42.24	109.18
Onsite	Surficial Aquifer	MW-22D	5-Mar-21	398518.4	2048362.48	52 - 72	149.09	34.18	114.91
Onsite	Perched Zone	MW-23	5-Mar-21	396237.61	2051063.25	9.5 - 14.5	148.34	13.16	135.18
Onsite	Perched Zone	MW-24	5-Mar-21	397303.94	2048767.69	18.8 - 23.8	150.31	19.56	130.75
Onsite	Perched Zone	MW-25	5-Mar-21	396753.37	2050989.82	12 - 17	147.59	12.48	135.11
Onsite	Perched Zone	MW-26	5-Mar-21	396265.18	2051484.67	5 - 10	147.7	10.84	136.86
Onsite	Perched Zone	MW-27	5-Mar-21	396010.33	2051472	10 - 15	146.83	13.64	133.19
Onsite	Perched Zone	MW-28	5-Mar-21	395719.79	2051165.93	9 - 14	144.7	12.95	131.75
Onsite	Perched Zone	MW-30	5-Mar-21	397340.79	2050776.09	10 - 15	147.67	18.12	129.55
Onsite	Perched Zone	MW-31	5-Mar-21	396390.698	2049622.884	17-22	147.699	15.36	132.34
Onsite	Perched Zone	MW-32	5-Mar-21	396359.577	2049651.789	13-18.5	147.106	14.32	132.79
Onsite	Perched Zone	MW-33	5-Mar-21	396337.507	2049678.558	12-17	146.82	13.79	133.03
Onsite	Perched Zone	MW-34	5-Mar-21	396352.902	2049619.086	17-22	147.972	15.37	132.6
Onsite	Perched Zone	MW-35	5-Mar-21	396332.943	2049631.155	14-19	147.541	14.86	132.68
Onsite	Perched Zone	MW-36	5-Mar-21	396320.088	2049651.174	12-17	147.889	15.09	132.8
Onsite	Perched Zone	MW-7S	5-Mar-21	397444.5245	2049809.731	NA	147.47	8.53	138.94
Onsite	Perched Zone	MW-8S	5-Mar-21	397096.4767	2049867.768	NA	146.48	7.93	138.55
Onsite	Perched Zone	MW-9S	5-Mar-21	396760.1617	2049734.296	17.5-22.5	154.39	20.09	134.3
Onsite	Perched Zone	NAF-01	5-Mar-21	398348.58	2050339.68	5.0-15.0	148.65	6.56	142.09
Onsite	Perched Zone	NAF-02	5-Mar-21	398660.16	2050634.55	5.0-15.0	149.28	7.2	142.08
Onsite	Perched Zone	NAF-03	5-Mar-21	398578.63	2050743.04	5.0-15.0	149.41	DRY	--
Onsite	Perched Zone	NAF-04	5-Mar-21	398445.89	2050713.13	5.0-15.0	146.77	4.75	142.02
Onsite	Perched Zone	NAF-06	5-Mar-21	398808.81	2050913.93	2.75-12.75	145.43	11.23	134.2
Onsite	Perched Zone	NAF-07	5-Mar-21	398898.69	2050618.12	5.5-15.5	149.03	7.43	141.6
Onsite	Perched Zone	NAF-08A	5-Mar-21	398098.22	2050886.93	5.0-15.0	147.74	5.86	141.88

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Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Surficial Aquifer	NAF-08B	5-Mar-21	398095.97	2050880.18	43.5-53.5	147.83	53.3	94.53
Onsite	Perched Zone	NAF-09	5-Mar-21	397708.78	2050807.44	7.0-17.0	148.62	9.68	138.94
Onsite	Perched Zone	NAF-10	5-Mar-21	397611.81	2050425.2	8.25-18.25	149.25	9.3	139.95
Onsite	Perched Zone	NAF-11A	5-Mar-21	398907.08	2050999.77	2.5-7.5	139.74	2.95	136.79
Onsite	Surficial Aquifer	NAF-11B	5-Mar-21	398911.13	2050995.88	33.5-43.5	140.74	46.65	94.09
Onsite	Perched Zone	NAF-12	5-Mar-21	398270.555	2050777.49	18 - 23	145.79	3.96	141.83
Onsite	Black Creek Aquifer	OW-1	5-Mar-21	399930.53	2051287.87	40-50	95.01	34.65	60.36
Onsite	Black Creek Aquifer	OW-10	5-Mar-21	399948.17	2051291.21	40-50	94.39	33.98	60.41
Onsite	Black Creek Aquifer	OW-2	5-Mar-21	398572.28	2051801.62	63-73	84.37	33.11	51.26
Onsite	Black Creek Aquifer	OW-3	5-Mar-21	398601.08	2051812.32	63-73	84.64	33.53	51.11
Onsite	Black Creek Aquifer	OW-4	5-Mar-21	395049.16	2052210.81	47-57	80.85	18.51	62.34
Onsite	Black Creek Aquifer	OW-5	5-Mar-21	395070.03	2052196.97	54-64	81.61	19.08	62.53
Onsite	Black Creek Aquifer	OW-6	5-Mar-21	396168.41	2052223.54	50-60	80.53	35.88	44.65
Onsite	Black Creek Aquifer	OW-7	5-Mar-21	397180.06	2052052.69	57-67	81.45	34.56	46.89
Onsite	Black Creek Aquifer	OW-8	5-Mar-21	397202.33	2052041.98	57-67	82.3	36.17	46.13
Onsite	Black Creek Aquifer	OW-9	5-Mar-21	395075.14	2052211.07	54-64	79.78	17.31	62.47
Onsite	Black Creek Aquifer	PIW-10DR	5-Mar-21	395093.99	2052297.3	53 - 58	75.91	13.48	62.43
Onsite	Surficial Aquifer	PIW-10S	5-Mar-21	395104.95	2052296.98	7 - 17	76.32	18.45	57.87
Onsite	Black Creek Aquifer	PIW-11	5-Mar-21	401911.03	2050416.29	47-57	67.02	20.24	46.78
Onsite	Black Creek Aquifer	PIW-12	5-Mar-21	401703.1	2051025.77	64-74	83.78	43.71	40.07
Onsite	Black Creek Aquifer	PIW-13	5-Mar-21	401464.29	2051122.6	54-64	83.18	42.61	40.57
Onsite	Black Creek Aquifer	PIW-14	5-Mar-21	401163.98	2051186.57	56-66	87.43	45.94	41.49
Onsite	Black Creek Aquifer	PIW-15	5-Mar-21	400706.51	2051532.8	34-44	67.85	27.08	40.77
Onsite	Black Creek Aquifer	PIW-16D	5-Mar-21	396257.96	2046587.07	90-100	150.06	16.25	133.81
Onsite	Surficial Aquifer	PIW-16S	5-Mar-21	396267.84	2046586.09	35-45	149.74	11.71	138.03
Onsite	Black Creek Aquifer	PIW-1D	5-Mar-21	400548	2051801.28	24.5 - 29.5	52.16	10.39	41.77
Onsite	Floodplain Deposits	PIW-1S	5-Mar-21	400541.03	2051792.39	7.8 - 17.8	54.04	13.08	40.96
Onsite	Black Creek Aquifer	PIW-2D	5-Mar-21	399925.4	2051315.8	40 - 50	96.19	35.91	60.28
Onsite	Black Creek Aquifer	PIW-3D	5-Mar-21	399711.25	2052086.94	19 - 24	53.42	11.56	41.86
Onsite	Black Creek Aquifer	PIW-4D	5-Mar-21	398816.52	2052101.94	32.3 - 37.3	52.85	9.17	43.68
Onsite	Surficial Aquifer	PIW-5S	5-Mar-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.03	61.99
Onsite	Floodplain Deposits	PIW-6S	5-Mar-21	398117.93	2052539.79	18 - 28	53.4	10.55	42.85
Onsite	Black Creek Aquifer	PIW-7D	5-Mar-21	396787.77	2052595.65	29 - 34	48.93	3.54	45.39
Onsite	Floodplain Deposits	PIW-7S	5-Mar-21	396786.97	2052589.1	7 - 17	47.97	3.36	44.61
Onsite	Black Creek Aquifer	PIW-8D	5-Mar-21	396403.37	2052682.1	35.5 - 40	48.66	4.96	43.7
Onsite	Black Creek Aquifer	PIW-9D	5-Mar-21	396155.84	2052250.84	40 - 45	79.64	35.12	44.52
Onsite	Surficial Aquifer	PIW-9S	5-Mar-21	396148.52	2052251.03	24.8 - 29.8	79.64	26.19	53.45
Onsite	Perched Zone	PW-01	5-Mar-21	399064.799	2049654.303	11 - 21	149.547	11.59	137.96
Onsite	Surficial Aquifer	PW-02	5-Mar-21	399779.064	2050649.466	50 - 60	146.431	55.04	91.39
Onsite	Surficial Aquifer	PW-03	5-Mar-21	397339.809	2050765.319	35 - 45	147.967	41.65	106.32
Onsite	Surficial Aquifer	PW-04	5-Mar-21	394659.549	2050940.657	17 - 27	97.751	20.92	76.83
Onsite	Surficial Aquifer	PW-05	5-Mar-21	395873.1	2047812.929	65 - 75	150.336	24.64	125.7
Onsite	Surficial Aquifer	PW-06	5-Mar-21	392868	2045288.765	19 - 29	147.691	17.36	130.33
Onsite	Surficial Aquifer	PW-07	5-Mar-21	390847.706	2049258.256	28 - 38	148.16	27.66	120.5
Onsite	Black Creek Aquifer	PW-09	5-Mar-21	402000.079	2048979.111	44 - 54	72.925	23.95	48.98

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Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	PW-10R	5-Mar-21	398516.115	2051936.585	57 - 67	75.9	25.52	50.38
Onsite	Black Creek Aquifer	PW-11	5-Mar-21	394354.363	2052226.721	53 - 63	73.263	28.65	44.61
Onsite	Black Creek Aquifer	PW-12	5-Mar-21	399500.447	2047063.51	109 - 119	150.61	55.34	95.27
Onsite	Black Creek Aquifer	PW-13	5-Mar-21	397584.263	2048029.184	120 - 130	149.36	30.32	119.04
Onsite	Black Creek Aquifer	PW-14	5-Mar-21	397325.648	2050766.359	136 - 146	147.97	59.81	88.16
Onsite	Black Creek Aquifer	PW-15R	5-Mar-21	398900.875	2051011.753	110 - 120	136.14	57.81	78.33
Onsite	Perched Zone	PZ-11	5-Mar-21	398646.2549	2049820.937	15-20	151.03	7.18	143.85
Onsite	Perched Zone	PZ-12	5-Mar-21	399091.19	2048978.89	15.1-20.1	149.89	17.67	132.22
Onsite	Perched Zone	PZ-13	5-Mar-21	397707.82	2050985.25	7.1-12.1	148.14	14.19	133.95
Onsite	Perched Zone	PZ-14	5-Mar-21	397589.9185	2050618.271	9.0-14.0	148.38	DRY	--
Onsite	Perched Zone	PZ-15	5-Mar-21	396806.39	2050107.5	10.2-15.2	147.76	12.99	134.77
Onsite	Perched Zone	PZ-17	5-Mar-21	396614.815	2048872.689	21.1-26.1	150.08	28.22	121.86
Onsite	Perched Zone	PZ-19R	5-Mar-21	397998.663	2049919.516	16-21	150.046	11.34	138.71
Onsite	Perched Zone	PZ-20R	5-Mar-21	398185.809	2049784.598	15-20	151.29	12.63	138.66
Onsite	Perched Zone	PZ-21R	5-Mar-21	398445.157	2049883.125	17-22	150.674	10.35	140.32
Onsite	Black Creek Aquifer	PZ-22	5-Mar-21	397271.94	2052585.34	42.5-47.5	50.7	5.38	45.32
Onsite	Perched Zone	PZ-24	5-Mar-21	396117.94	2050744.07	11 - 16	147.53	13.09	134.44
Onsite	Perched Zone	PZ-25R	5-Mar-21	395971.54	2050748.23	6 to 16	147.51	DRY	--
Onsite	Perched Zone	PZ-26	5-Mar-21	396059.78	2050382.35	11 - 16	147.7	11.5	136.2
Onsite	Perched Zone	PZ-27	5-Mar-21	395922.11	2050376.76	12 - 17	147.17	13.99	133.18
Onsite	Perched Zone	PZ-28	5-Mar-21	396304.55	2049933.79	13 - 18	148.64	12.76	135.88
Onsite	Perched Zone	PZ-29	5-Mar-21	396377.59	2049771.59	12 - 18	147.74	13.96	133.78
Onsite	Perched Zone	PZ-31	5-Mar-21	396428.73	2049594.355	14 - 19	147.999	17.11	130.89
Onsite	Perched Zone	PZ-32	5-Mar-21	396418.471	2049713.787	13 - 18	148.471	14.91	133.56
Onsite	Perched Zone	PZ-33	5-Mar-21	396308.915	2049707.661	12.5-17.5	146.715	13.46	133.26
Onsite	Perched Zone	PZ-34	5-Mar-21	396292.05	2049595.039	13.5-18.5	147.695	15.4	132.29
Onsite	Perched Zone	PZ-35	5-Mar-21	398232.643	2050020.494	13 - 18	150.43	10.59	139.84
Onsite	Perched Zone	PZ-36	5-Mar-21	396086.17	2051331.44	5 - 8.5	135.2	2.5	132.7
Onsite	Perched Zone	PZ-37	5-Mar-21	396042.4	2051050.05	5 - 8	135.56	2.63	132.93
Onsite	Perched Zone	PZ-38	5-Mar-21	395970.01	2050569.66	5 - 9	137.34	5.7	131.64
Onsite	Perched Zone	PZ-39	5-Mar-21	395921.87	2050238.18	5 - 10	137.93	3.73	134.2
Onsite	Perched Zone	PZ-40	5-Mar-21	395943.02	2050031.9	5 - 9	138.51	4.02	134.49
Onsite	Perched Zone	PZ-41	5-Mar-21	395979.29	2050048.97	5 - 8.5	138.13	3.12	135.01
Onsite	Perched Zone	PZ-42	5-Mar-21	395961.73	2050230.23	3 - 7	138.17	3.25	134.92
Onsite	Perched Zone	PZ-43	5-Mar-21	396011.61	2050567.89	5 - 9	137.06	14.06	123
Onsite	Perched Zone	PZ-44	5-Mar-21	396082.75	2051045.25	5 - 7	136.26	2.89	133.37
Onsite	Perched Zone	PZ-45	5-Mar-21	396124.41	2051323.03	2 - 4	135.69	2.18	133.51
Onsite	Surficial Aquifer	PZ-L	5-Mar-21	396745.804	2048684.008	13-28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	5-Mar-21	395297.97	2043688.29	5.0-15.0	150.58	10.39	140.19
Onsite	Perched Zone	SMW-02	5-Mar-21	399982.23	2050655.91	5.0-20.0	144.59	9.57	135.02
Onsite	Surficial Aquifer	SMW-02B	5-Mar-21	399983.75	2050654.77	43.0-53.0	147.93	54.95	92.98
Onsite	Perched Zone	SMW-03	5-Mar-21	399779.32	2049445.32	10.0-20.0	151.094	DRY	--
Onsite	Black Creek Aquifer	SMW-03B	5-Mar-21	399785.752	2049421.539	72 - 82	150.43	54.67	95.76
Onsite	Perched Zone	SMW-04A	5-Mar-21	399668.71	2048387.57	19.5-34.5	148.09	36.16	111.93
Onsite	Surficial Aquifer	SMW-04B	5-Mar-21	399666.21	2048392.37	43.0-53.0	147.65	43.71	103.94

**TABLE A6
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Chemours Fayetteville Works, North Carolina**

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (NAVD 88) ⁴	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	SMW-05	5-Mar-21	399334.0651	2048557.335	10.0-20.0	148.099	22.89	125.21
Onsite	Surficial Aquifer	SMW-05P	5-Mar-21	399391.46	2049235.07	45.0-60.0	149.66	22.6	127.06
Onsite	Perched Zone	SMW-06	5-Mar-21	399172.346	2048759.478	12.0-22.0	150.97	DRY	--
Onsite	Surficial Aquifer	SMW-06B	5-Mar-21	399144.744	2048764.939	58 - 68	150.32	45.9	104.42
Onsite	Perched Zone	SMW-07	5-Mar-21	398931.13	2048611.74	13.0-23.0	146.79	19.95	126.84
Onsite	Perched Zone	SMW-08	5-Mar-21	399064.972	2048468.783	21.0-31.0	151.017	DRY	--
Onsite	Surficial Aquifer	SMW-08B	5-Mar-21	399058.325	2048478.84	58 - 68	148.81	39.34	109.47
Onsite	Surficial Aquifer	SMW-09	5-Mar-21	401076.889	2050017.409	52 - 62	141.43	53.71	87.72
Onsite	Surficial Aquifer	SMW-10	5-Mar-21	402307.305	2047923.84	39 - 49	76.26	24.87	51.39
Onsite	Surficial Aquifer	SMW-11	5-Mar-21	401996.154	2048975.382	13 - 23	71.95	11.15	60.8
Onsite	Black Creek Aquifer	SMW-12	5-Mar-21	401314.202	2051007.222	88 - 98	118.22	77.75	40.47
Offsite	Black Creek Aquifer	BLADEN-1D	5-Mar-21	387522.245	2050247.399	37 - 47	76.96	19.09	57.87
Offsite	Surficial Aquifer	BLADEN-1S	5-Mar-21	387518.967	2050233.347	5 - 10	76.74	7.29	69.45
Offsite	Black Creek Aquifer	BLADEN-2D	5-Mar-21	368827.094	2042878.344	70 - 75	138.27	15.65	122.62
Offsite	Surficial Aquifer	BLADEN-2S	5-Mar-21	368821.463	2042882.917	10 - 20	138.04	3.42	134.62
Offsite	Black Creek Aquifer	BLADEN-3D	5-Mar-21	396856.978	2059006.562	33.75 - 43.75	75.52	8.23	67.29
Offsite	Surficial Aquifer	BLADEN-3S	5-Mar-21	396862.307	2059012.932	5 - 15	74.27	6.07	68.2
Offsite	Black Creek Aquifer	BLADEN-4D	5-Mar-21	363255.115	2087636.869	46.75 - 51.75	59.66	NM	--
Offsite	Surficial Aquifer	BLADEN-4S	5-Mar-21	363263.191	2087637.461	4.75 - 14.75	59.68	4.11	55.57
Offsite	Black Creek Aquifer	CUMBERLAND-1D	5-Mar-21	431459.947	2011071.39	40 - 50	174.6	1.11	173.49
Offsite	Surficial Aquifer	CUMBERLAND-1S	5-Mar-21	431459.947	2011071.39	15 - 25	174.73	1.38	173.35
Offsite	Black Creek Aquifer	CUMBERLAND-2D	5-Mar-21	449987.54	2074019.139	47 - 57	129.23	2.22	127.01
Offsite	Surficial Aquifer	CUMBERLAND-2S	5-Mar-21	449979.1	2074020.858	7 - 17	129.06	2.02	127.04
Offsite	Black Creek Aquifer	CUMBERLAND-3D	5-Mar-21	423248.115	2060409.157	22 - 27	78.79	5.76	73.03
Offsite	Surficial Aquifer	CUMBERLAND-3S	5-Mar-21	423254.641	2060413.302	9 - 14	79.063	5.65	73.41
Offsite	Black Creek Aquifer	CUMBERLAND-4D	5-Mar-21	413095.774	2078249.953	57 - 67	119.22	10.24	108.98
Offsite	Surficial Aquifer	CUMBERLAND-4S	5-Mar-21	413086.626	2078255.528	10 - 20	119.362	5.75	113.61
Offsite	Black Creek Aquifer	CUMBERLAND-5D	5-Mar-21	405619.17	2138238.586	52 - 57	106.67	6.24	100.43
Offsite	Surficial Aquifer	CUMBERLAND-5S	5-Mar-21	405623.274	2138233.369	14 - 24	106.65	1.1	105.55
Offsite	Black Creek Aquifer	ROBESON-1D	5-Mar-21	381416.282	2020158.933	42.75 - 52.75	156.36	7.93	148.43
Offsite	Surficial Aquifer	ROBESON-1S	5-Mar-21	381408.19	2020156.855	17 - 27	156.66	4.62	152.04
Onsite	Surficial Aquifer	MW-13D	8-Mar-21	397119.015	2049821.123	57 - 67	148.65	43.8	104.85

Notes:

- 1 - Area - refers to location of well within site property boundary ("Onsite") and outside property boundary ("Offsite").
- 2 - Water Bearing Unit - refers to primary aquifer unit well screen is estimated to be screened within.
- 3 - Northing and Easting provided in North Carolina State Plane System (zone 3200), North American Datum 1983.
- 4 - Vertical datum is North American Vertical Datum of 1988.
- - not calculated because the well was either not measured or dry
- NM - not measured
- ft - feet
- NAVD88 - North American Vertical Datum of 1988
- SPCS NAD83 - State Plane Coordinate System North American Datum 1983
- TOC - top of casing

TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants NC, P.C.

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (µS/cm)	Temperature (°C)
LTW-01	1/28/2021	3.8	0.2	391	0.17	132	15.8
LTW-02	1/27/2021	5.0	0.1	-10	0.0	55	15.8
LTW-03	1/28/2021	4.6	0.2	114	0.02	88	15.9
LTW-04	1/19/2021	4.5	0.3	273	4.0	89	16.9
LTW-05	1/19/2021	4.4	0.1	57	9.3	111	16.5
PIW-1D	1/27/2021	3.6	0.1	386	0.8	178	15.9
PIW-1S	1/27/2021	4.1	2.2	111	0.5	174	15.5
PIW-3D	1/29/2021	4.7	0.1	9.4	0.0	72	16.3
PIW-7D	1/27/2021	4.3	0.0	0.70	0.0	75	15.6
PIW-7S	1/27/2021	4.4	0.1	298	9.9	133	14.4
PW-04	1/18/2021	3.8	0.1	199	2.8	213	16.3
PW-06	1/18/2021	4.5	2.3	104	0.5	53	16.9
PW-07	1/18/2021	4.8	6.3	139	0.4	31	18.3
PW-09 ¹	1/27/2021	7.5	0.0	-207	49	99	17.0
PZ-22	1/19/2021	4.5	0.1	169	0.7	107	16.3
SMW-10	1/28/2021	5.4	0.3	-16	3.2	80	16.5
SMW-11	1/15/2021	4.3	5.3	142	0.0	46	16.0
SMW-12	1/29/2021	3.7	0.3	-25	8.3	224	15.0
LTW-01	2/8/2021	3.8	0.2	407	4.0	117	16.8
LTW-02	2/11/2021	4.9	0.0	-0.30	3.0	74	16.9
LTW-03	2/4/2021	4.5	0.1	122	0.0	77	16.4
LTW-04	2/23/2021	3.9	1.3	377	9.4	113	16.0
LTW-05	2/11/2021	4.4	0.1	114	0.6	104	17.0
PIW-1D	2/8/2021	3.6	0.1	364	12	152	16.7
PIW-1S	2/8/2021	3.9	3.1	263	2.7	256	15.9
PIW-3D	2/8/2021	4.6	0.1	108	8.6	87	16.8
PIW-7D	2/23/2021	4.4	0.1	26	0.4	81	16.7
PIW-7S	2/23/2021	5.6	0.1	-1.4	18	123	16.4
PW-04	2/11/2021	3.7	0.2	288	1.2	176	17.0
PW-06	2/10/2021	4.2	3.2	160	2.3	42	16.4
PW-07	2/10/2021	4.7	6.6	168	2.5	26	18.4
PW-09 ¹	2/4/2021	7.8	0.1	-206	62	99	16.7
PZ-22	2/23/2021	4.4	0.1	46	0.0	101	16.4

TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)
SMW-10	2/8/2021	5.3	0.1	-11	6.9	81	17.0
SMW-11	2/10/2021	4.3	5.5	166	0.0	48	16.0
SMW-12	2/5/2021	3.8	0.0	-15	0.3	212	15.8
LTW-01	3/16/2021	3.3	1.4	235	4.2	93	13.8
LTW-02	3/16/2021	5.0	0.2	218	2.4	50	15.3
LTW-03	3/9/2021	4.6	0.1	87	1.8	80	17.7
LTW-04	3/9/2021	4.2	0.5	304	3.4	80	17.2
LTW-05	3/23/2021	4.3	0.2	127	9.7	124	17.1
PIW-1D	3/11/2021	3.6	0.1	366	3.3	145	17.5
PIW-1S	3/11/2021	3.9	3.4	438	4.0	192	19.4
PIW-3D	3/16/2021	5.0	0.1	3.3	2.9	70	14.3
PIW-7D	3/23/2021	4.8	1.4	119	1.0	84	16.2
PIW-7S	3/23/2021	5.7	0.8	81	3.5	118	15.7
PW-04	3/11/2021	3.3	0.1	469	4.2	270	21.6
PW-06	3/16/2021	4.2	35.2	159	3.7	38	13.6
PW-07	3/9/2021	4.1	8.5	141	1.7	25	19.1
PW-09 ¹	3/12/2021	7.6	0.1	-241	48	86	20.4
PZ-22	3/23/2021	4.5	0.1	100	16	115	17.0
SMW-10	3/11/2021	6.0	0.7	148	0.7	65	18.8
SMW-11	3/9/2021	3.6	6.0	99	0.0	0.05	16.2
SMW-12	3/9/2021	3.4	0.4	122	7.5	170	18.4

Notes:

NS - not sampled

> - greater than

 $^{\circ}$ C - degrees Celsius

mg/L - milligrams per liter

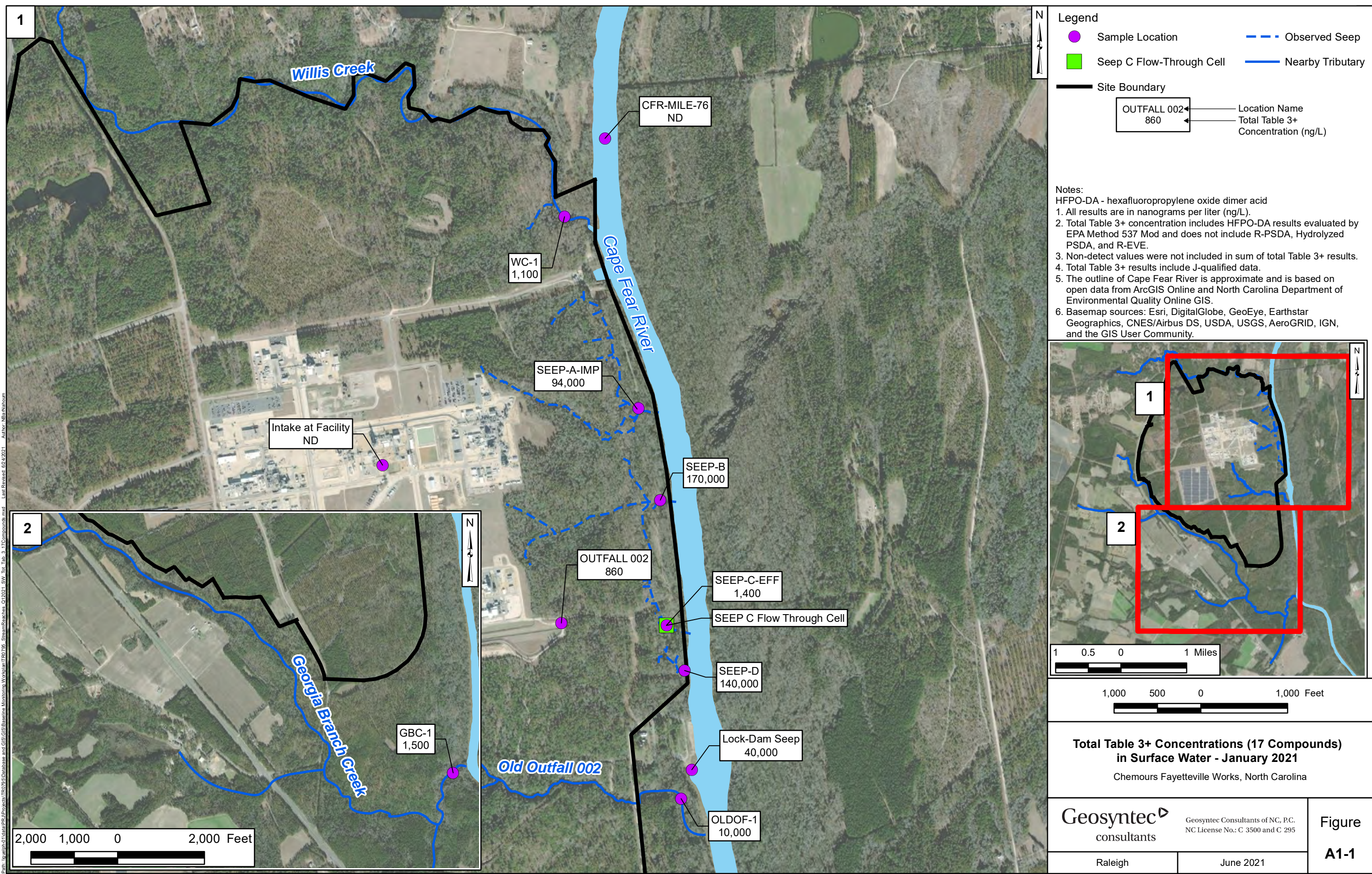
 μ S/cm - microsiemens per centimeter

mV- millivolts

NTU - nephelometric Turbidity Unit

S.U. - Standard Units

1 - samples collected at PW-09 were field filtered before lab analysis due to high turbidity.

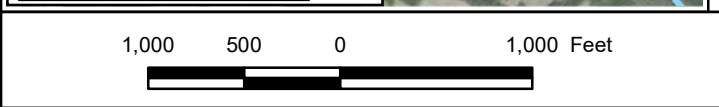
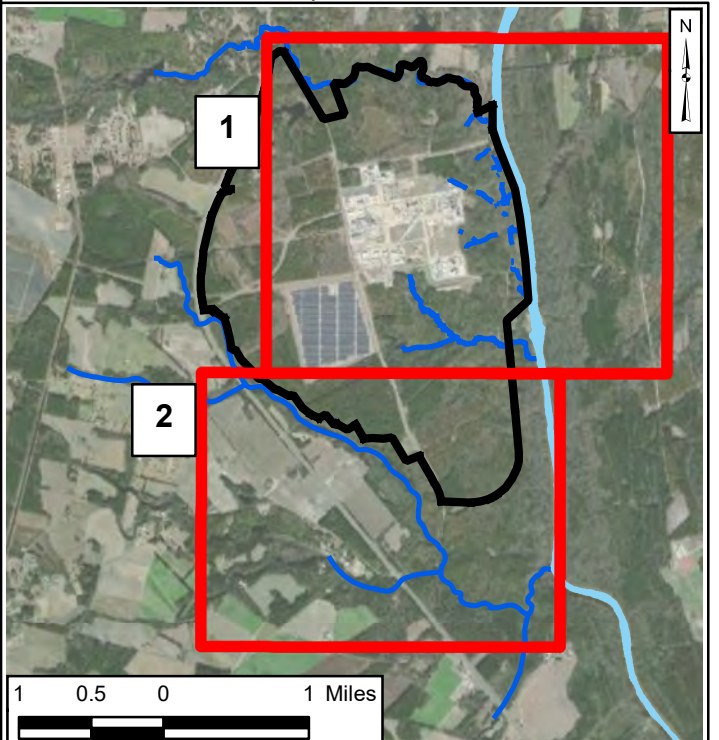


Legend

- Sample Location
- Seep C Flow-Through Cell
- Observed Seep
- Nearby Tributary
- Site Boundary

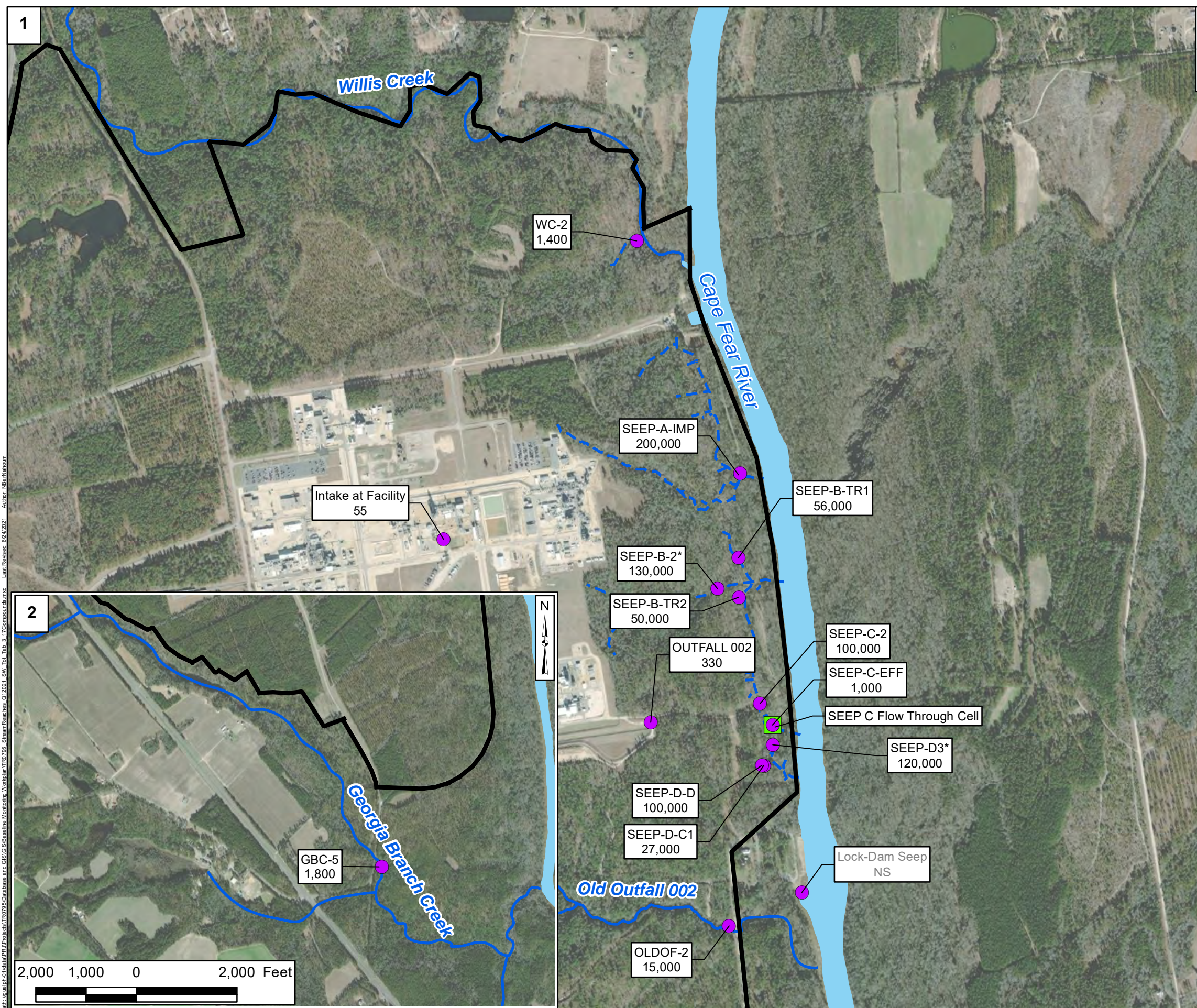
OUTFALL 002 860	← Location Name
	← Total Table 3+ Concentration (ng/L)

Notes:
 HFPO-DA - hexafluoropropylene oxide dimer acid
 1. All results are in nanograms per liter (ng/L).
 2. Total Table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
 3. Non-detect values were not included in sum of total Table 3+ results.
 4. Total Table 3+ results include J-qualified data.
 5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
 6. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



**Total Table 3+ Concentrations (17 Compounds)
 in Surface Water - January 2021**
 Chemours Fayetteville Works, North Carolina

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 Last Revised: 6/24/2021 Author: NS/rlahoum
 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



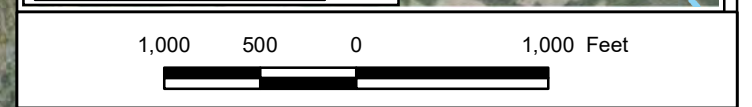
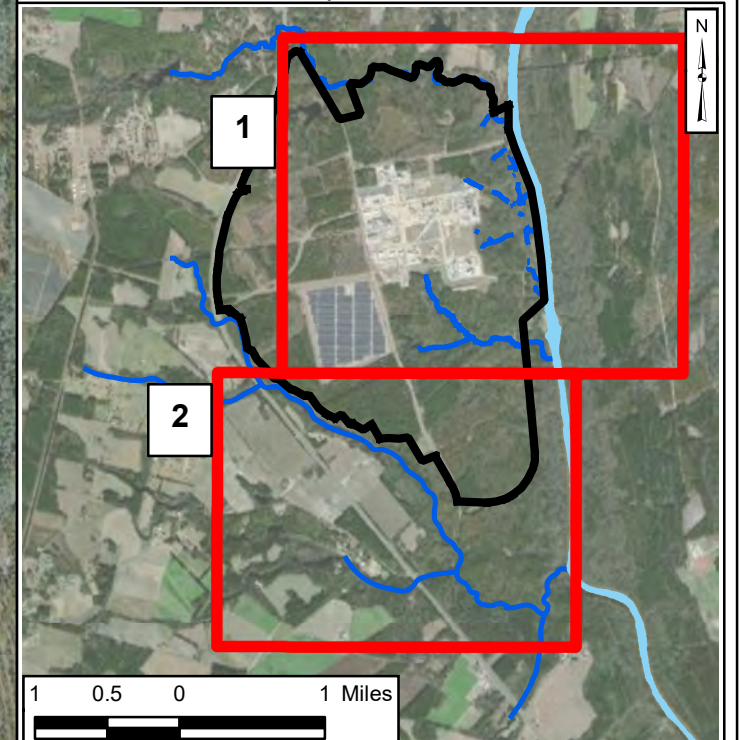
Legend

- Sample Location
- Seep C Flow-Through Cell
- Observed Seep
- Nearby Tributary
- Site Boundary

OUTFALL 002
330

Location Name
Total Table 3+
Concentration (ng/L)

- Notes:**
- * This location represents the maximum concentration used in the mass loading model calculations.
 - HFPO-DA - hexafluoropropylene oxide dimer acid
 - NS - not sampled
 - 1. All results are in nanograms per liter (ng/L).
 - 2. Lock and Dam Seep could not be sampled during the February 2021 event.
 - 3. Total Table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
 - 4. Non-detect values were not included in sum of total Table 3+ results.
 - 5. Total Table 3+ results include J-qualified data.
 - 6. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
 - 7. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



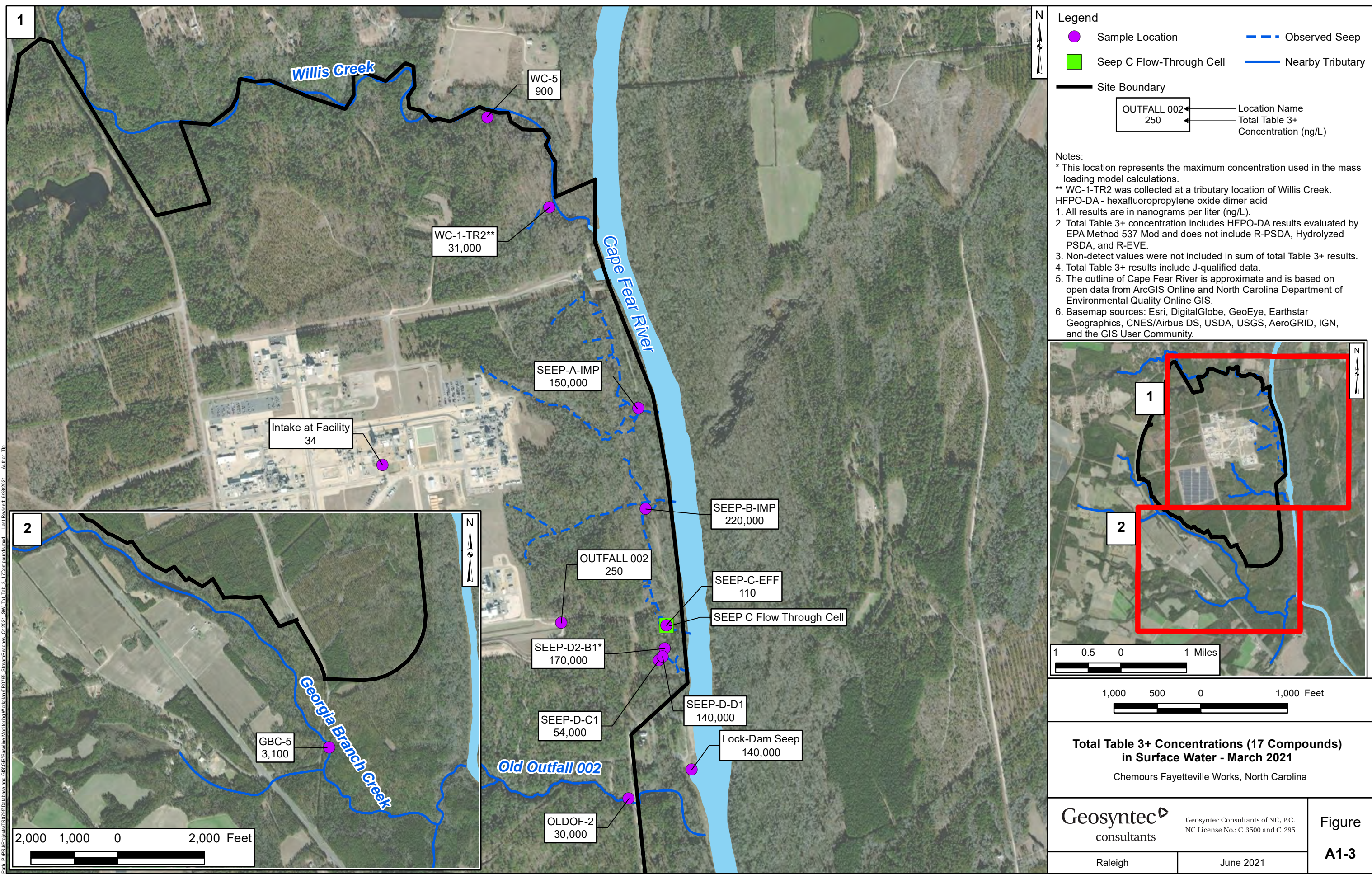
Total Table 3+ Concentrations (17 Compounds) in Surface Water - February 2021
Chemours Fayetteville Works, North Carolina

Geosyntec consultants
Raleigh

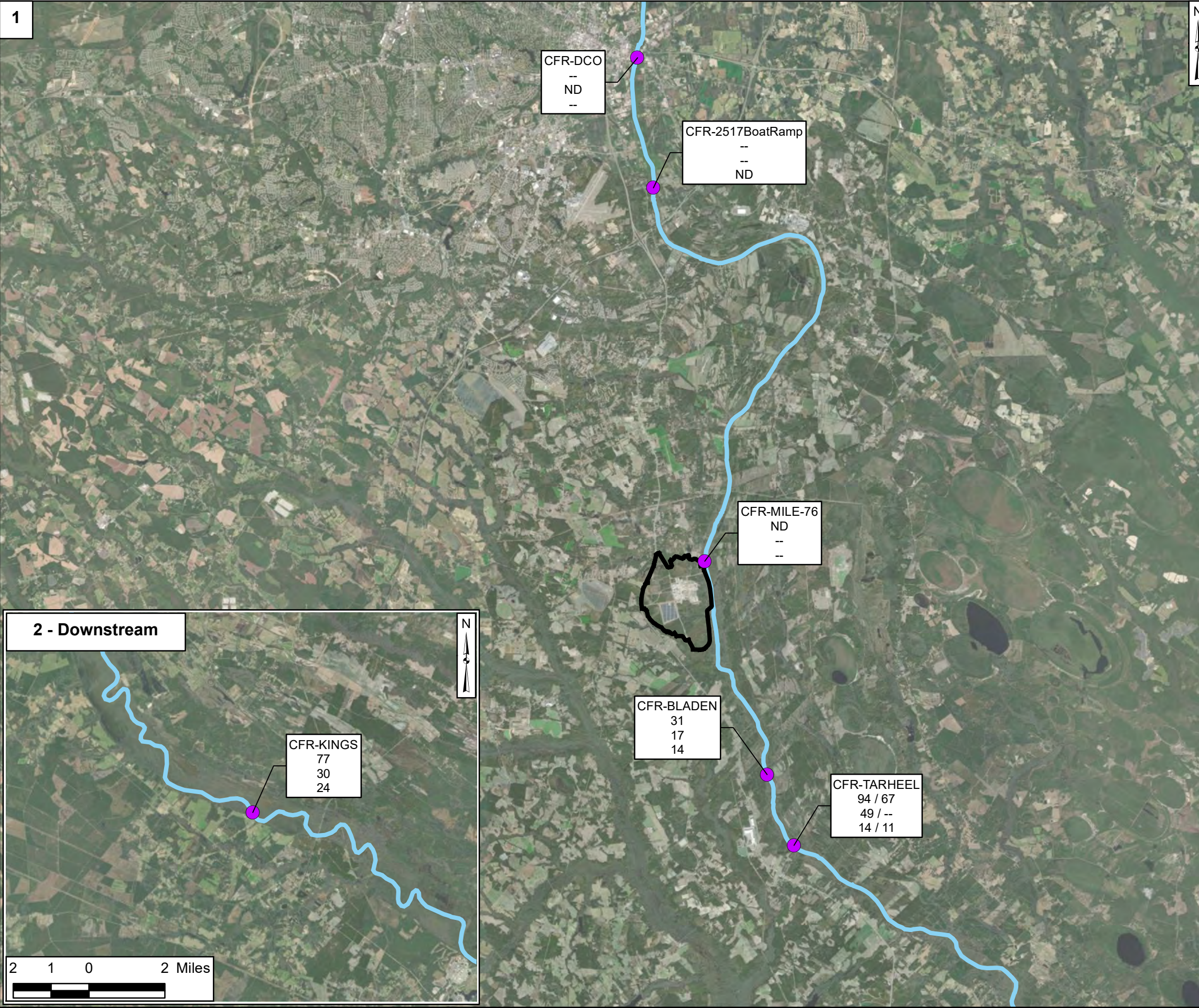
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295
June 2021

Figure A1-2

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 Author: NS/Nahoum
 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



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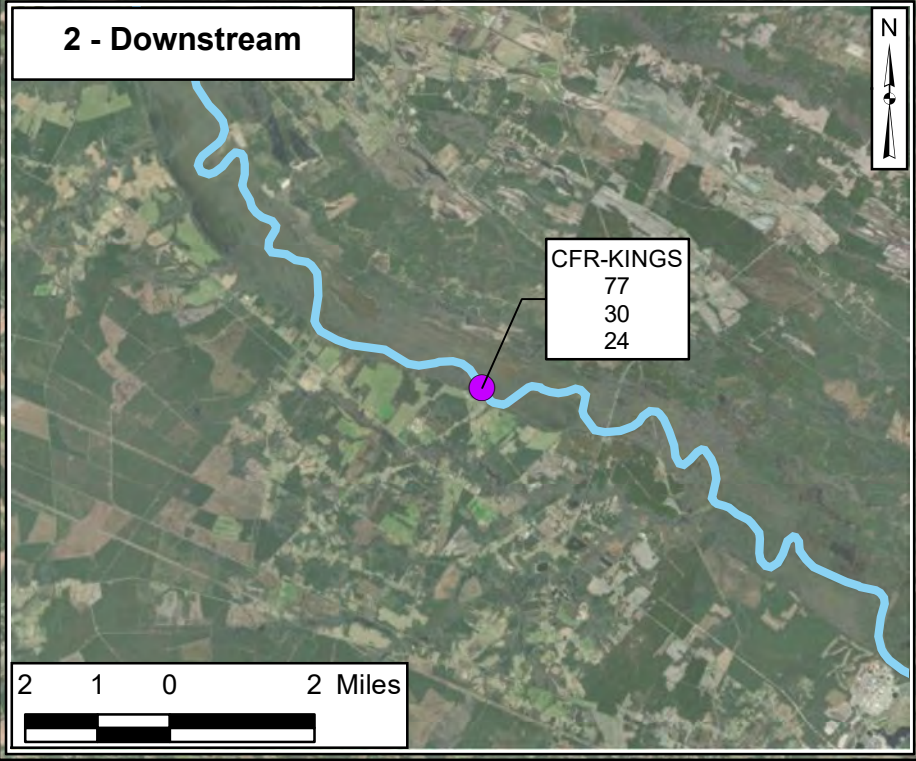
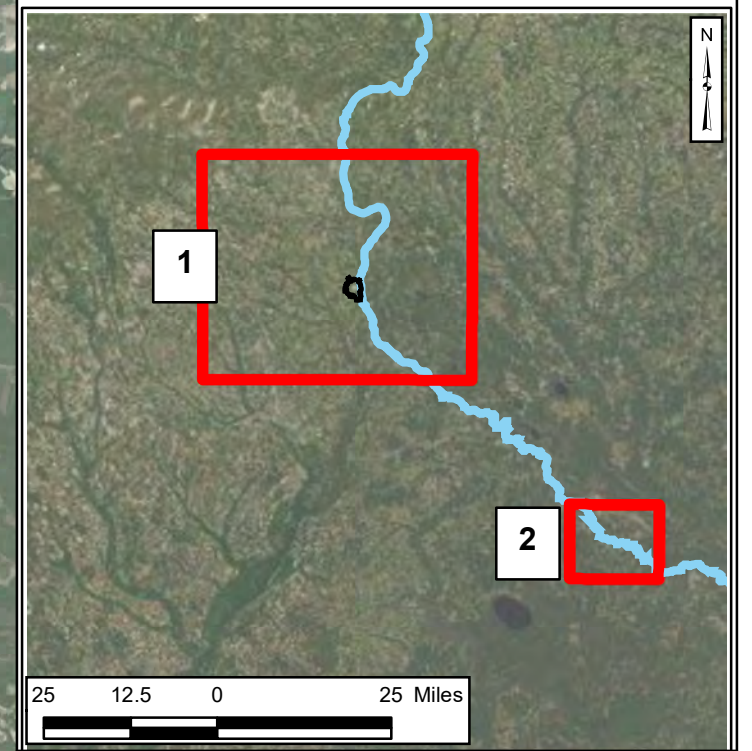


Legend

- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN	← Location Name
31	← January 2021
17	← February 2021
14	← March 2021

Notes:
 HFPO-DA - hexafluoropropylene oxide dimer acid
 1. All results are in nanograms per liter.
 2. Total Table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
 3. Non-detect values were not included in sum of total Table 3+ results.
 4. Total Table 3+ results include J-qualified data.
 5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
 6. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



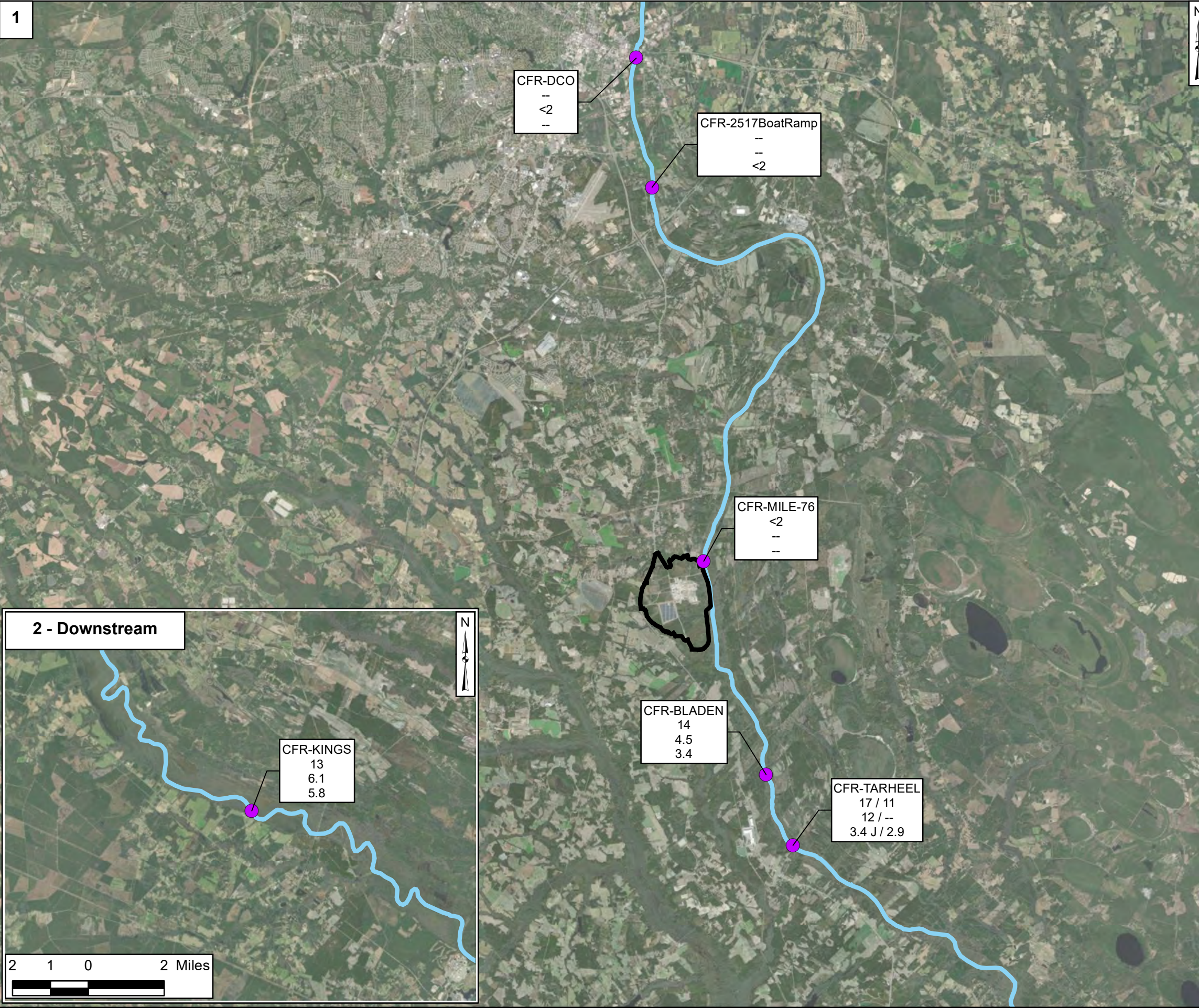
Cape Fear River Total Table 3+ Concentrations (17 Compounds) - Q1 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	Figure A2
	Raleigh	

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Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



Legend

- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN	← Location Name
14	← January 2021
4.5	← February 2021
3.4	← March 2021

Notes:
 HFPO-DA - hexafluoropropylene oxide dimer acid
 1. All results are in nanograms per liter.
 2. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

30 15 0 30 Miles

2 1 0 2 Miles

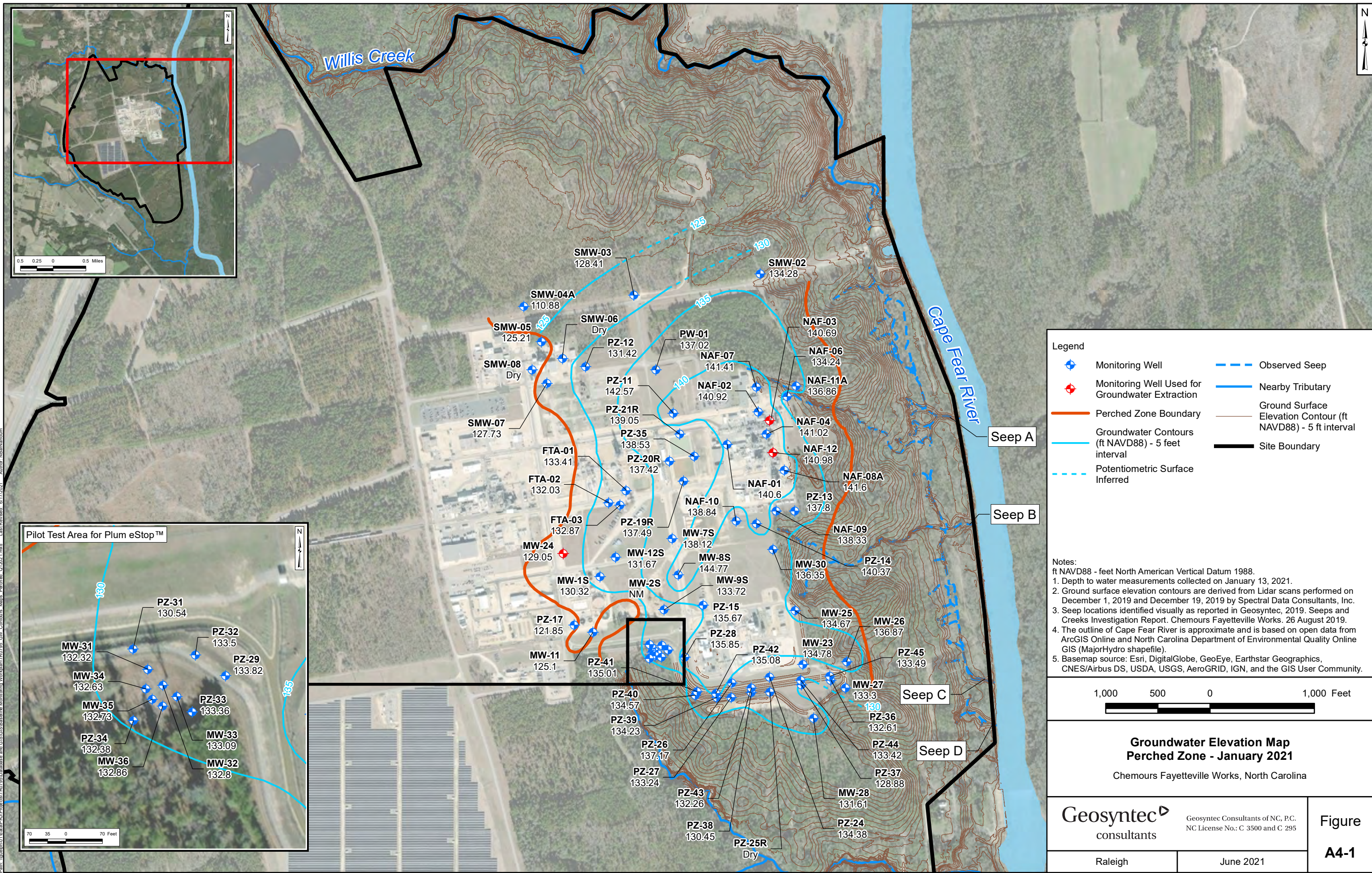
Cape Fear River HFPO-DA Concentrations - Q1 2021

Chemours Fayetteville Works, North Carolina

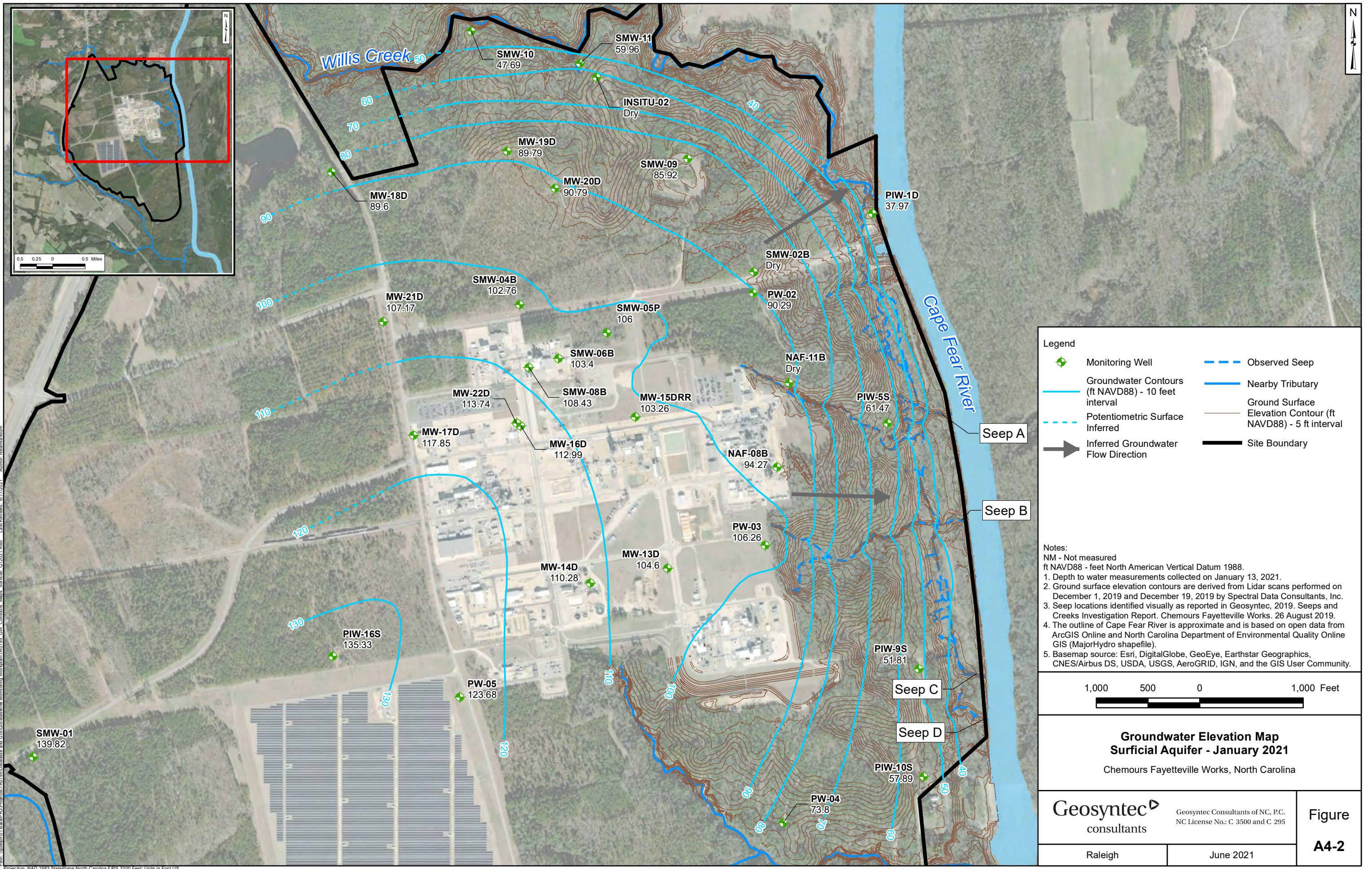
<p>Geosyntec consultants</p>	<p>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</p>	<p>Figure A3</p>
	<p>Raleigh</p>	

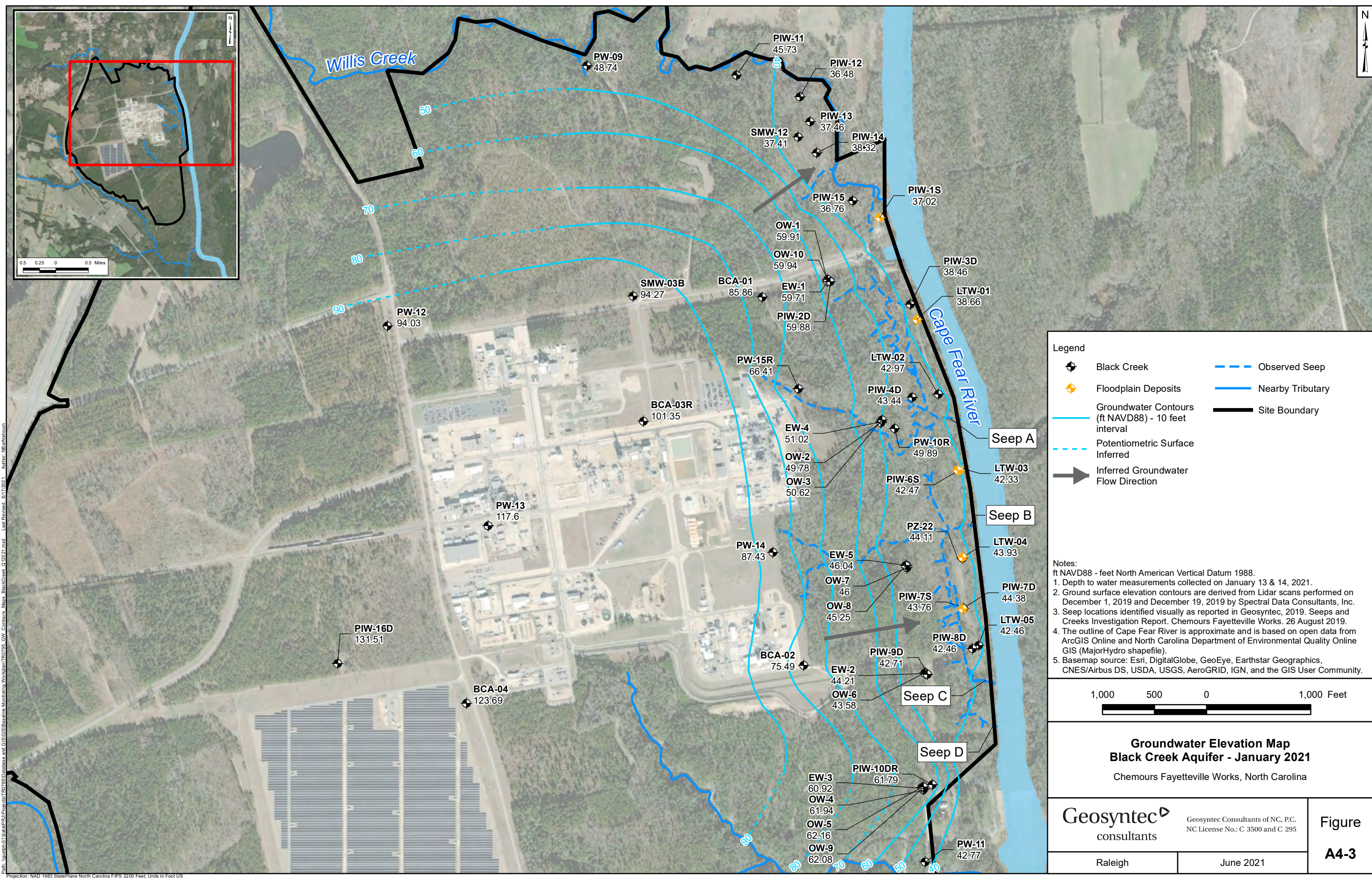
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Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



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 Author: N.Banham@nc.gov
 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US

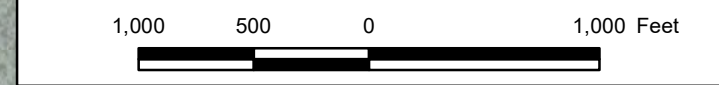




Legend

- Black Creek
- Floodplain Deposits
- Groundwater Contours (ft NAVD88) - 10 feet interval
- Potentiometric Surface Inferred
- Observed Seep
- Nearby Tributary
- Site Boundary
- Inferred Groundwater Flow Direction

Notes:
 ft NAVD88 - feet North American Vertical Datum 1988.
 1. Depth to water measurements collected on January 13 & 14, 2021.
 2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
 3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
 4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
 5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

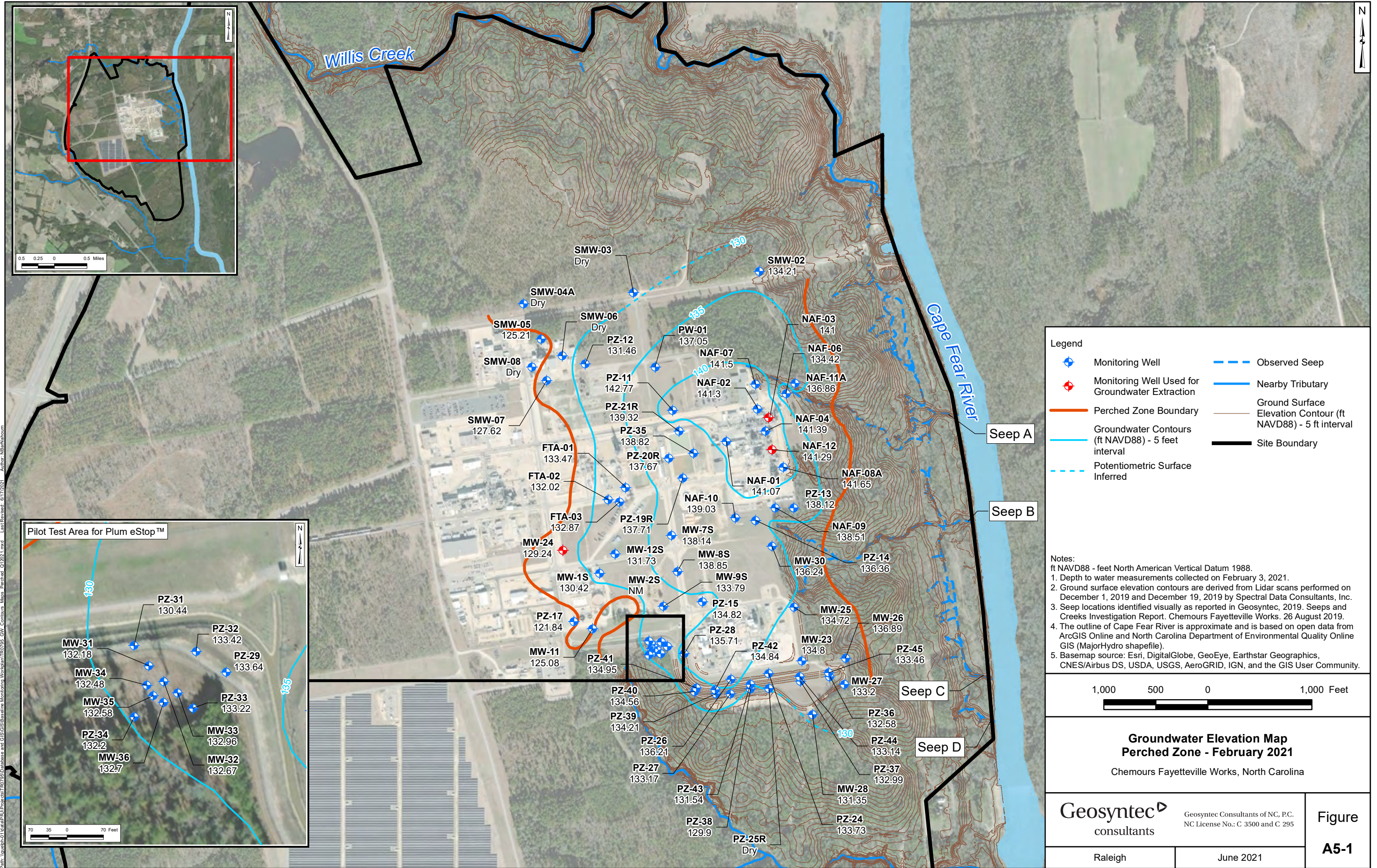


Groundwater Elevation Map
Black Creek Aquifer - January 2021
 Chemours Fayetteville Works, North Carolina

	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	Figure A4-3
	Raleigh	

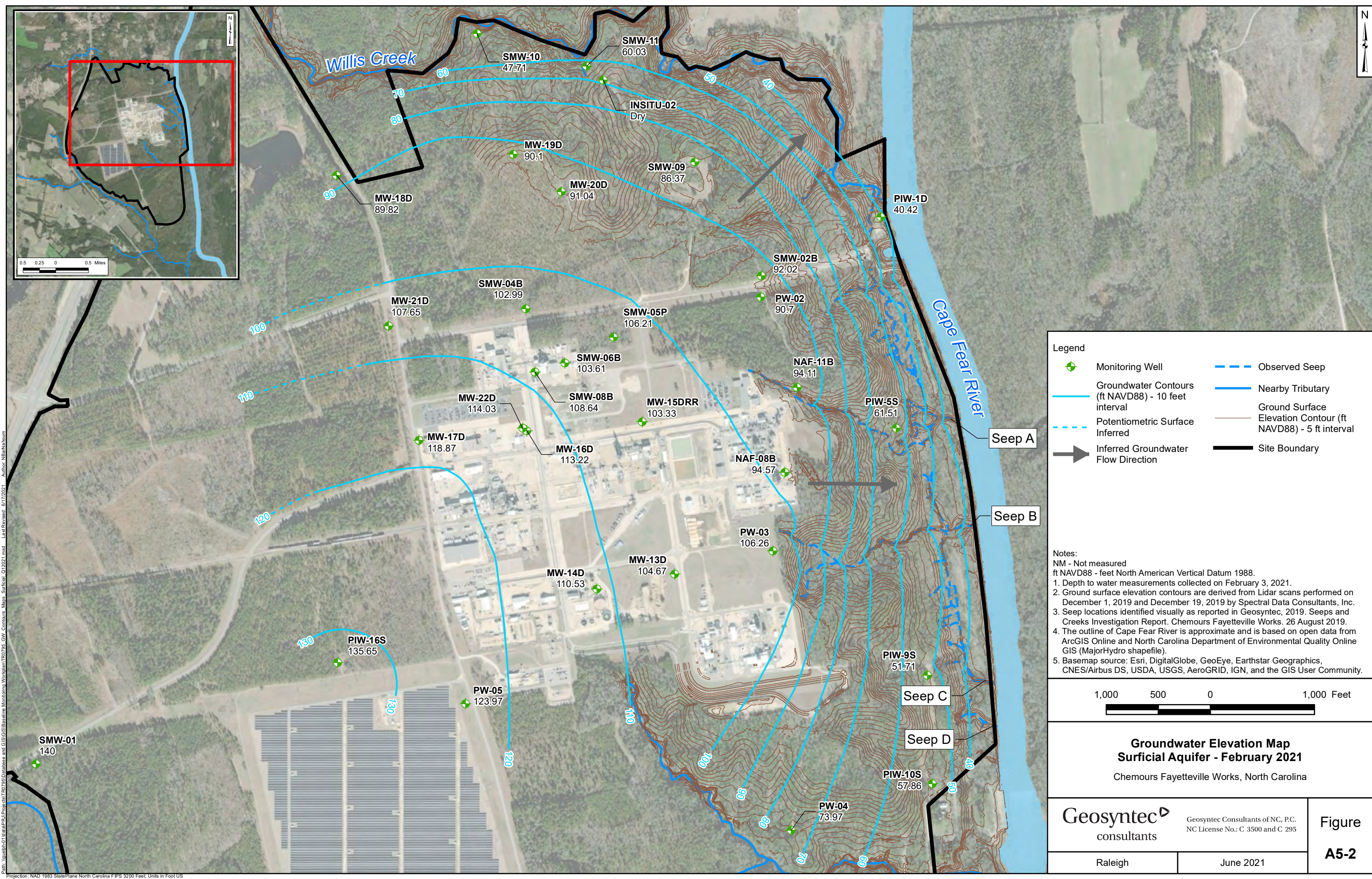
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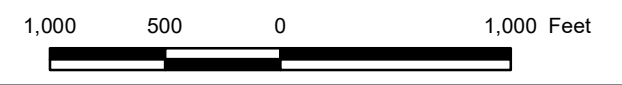
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



Legend

	Monitoring Well		Observed Seep
	Groundwater Contours (ft NAVD88) - 10 feet interval		Nearby Tributary
	Potentiometric Surface Inferred		Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
	Inferred Groundwater Flow Direction		Site Boundary

- Notes:**
 NM - Not measured
 ft NAVD88 - feet North American Vertical Datum 1988.
 1. Depth to water measurements collected on February 3, 2021.
 2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
 3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
 4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
 5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

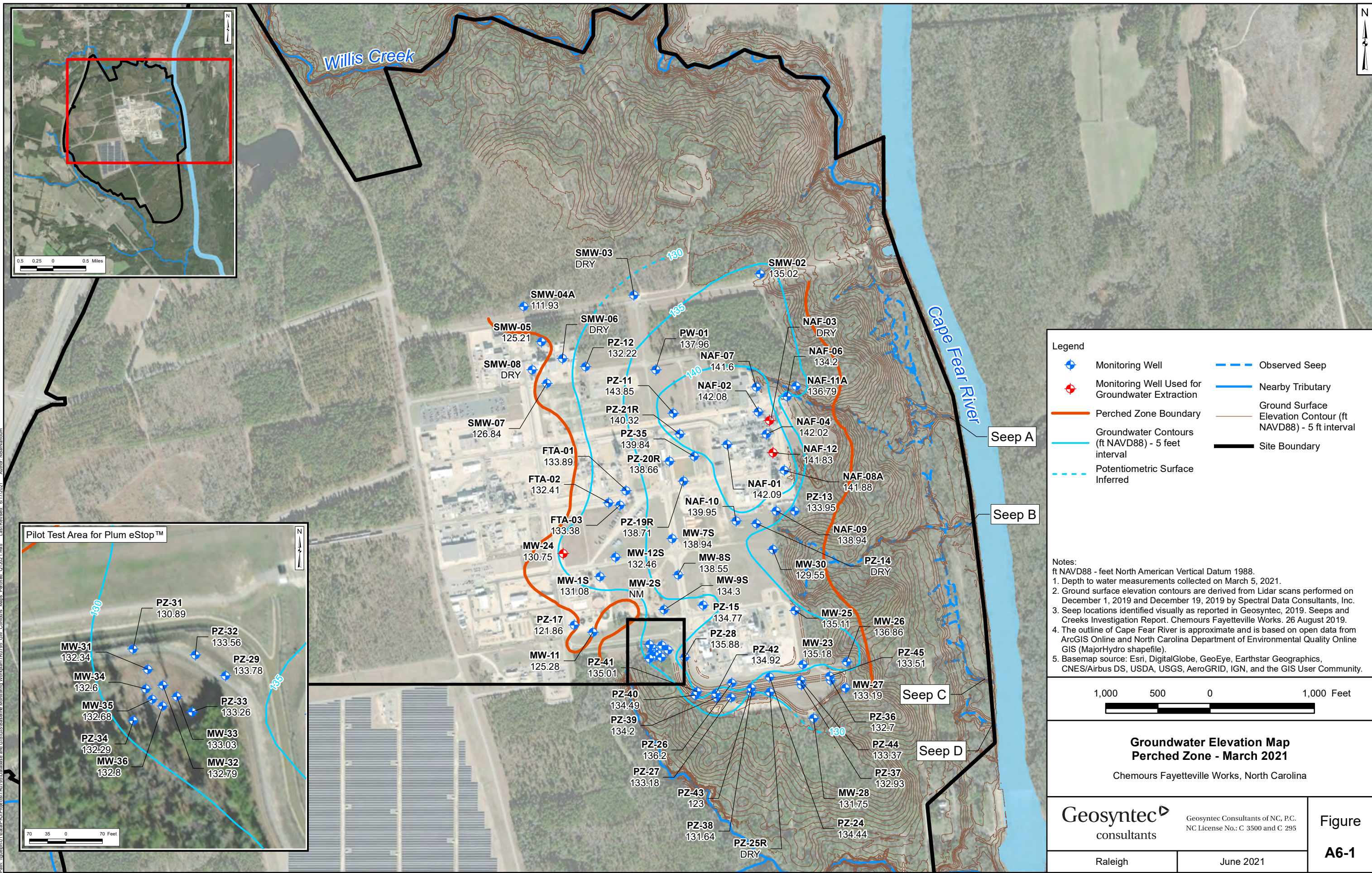


**Groundwater Elevation Map
 Surficial Aquifer - February 2021**
 Chemours Fayetteville Works, North Carolina

Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	Figure A5-2
	Raleigh	

Path: \\nashc1\year\pdp\Projects\170725\Baseline Mon\mon\Work\m\170725_GW_Contours_Map_Surficial_012021.mxd. Last Revised: 6/17/2021. Author: N.Bankbaum

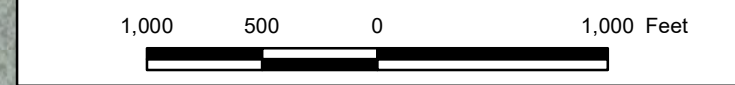
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet. Units in Foot US



Legend

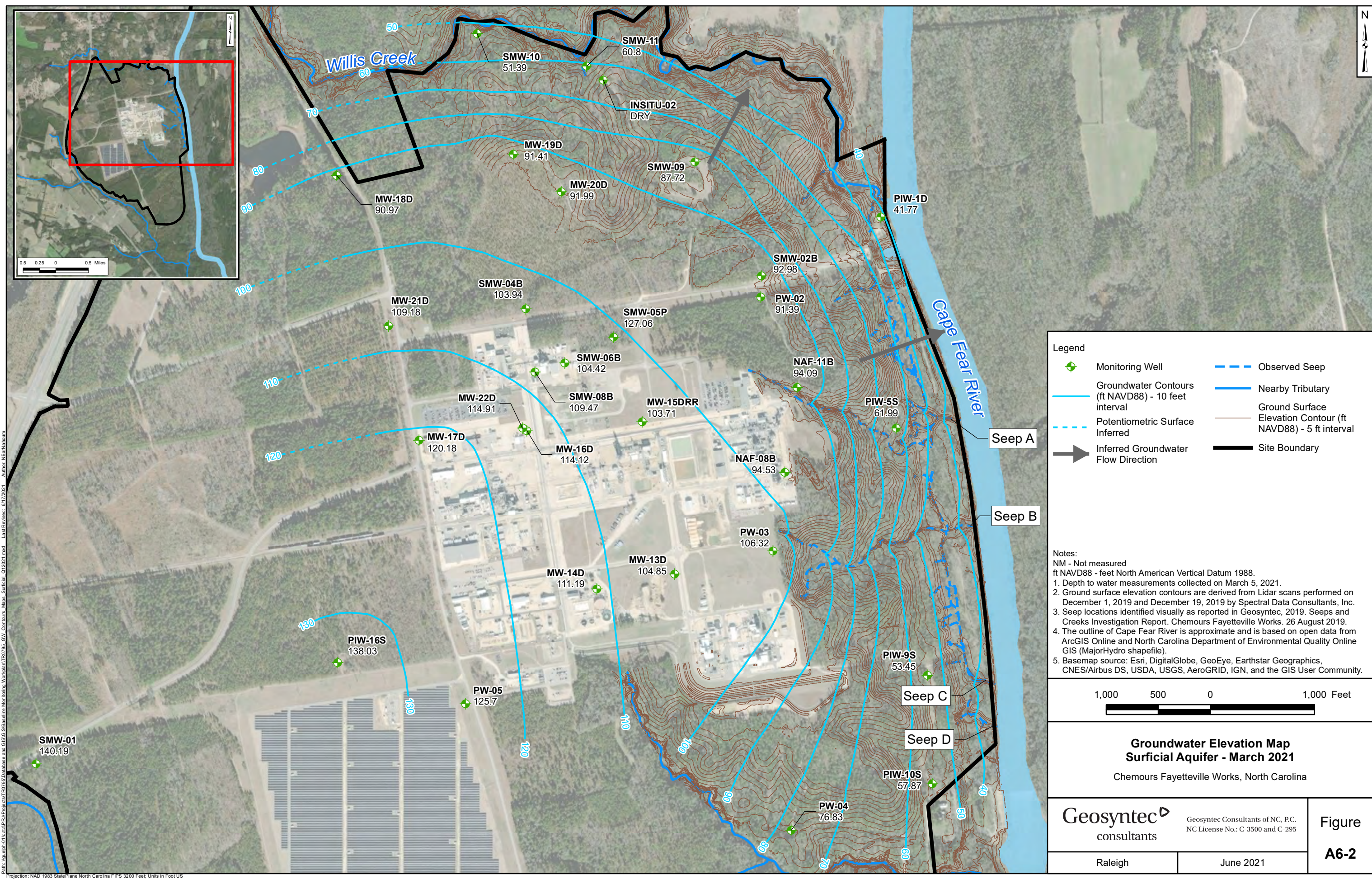
- ◆ Monitoring Well
- ◆ Monitoring Well Used for Groundwater Extraction
- Perched Zone Boundary
- Groundwater Contours (ft NAVD88) - 5 feet interval
- Potentiometric Surface Inferred
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Site Boundary

- Notes:**
 ft NAVD88 - feet North American Vertical Datum 1988.
 1. Depth to water measurements collected on March 5, 2021.
 2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
 3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
 4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
 5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



**Groundwater Elevation Map
 Perched Zone - March 2021**
 Chemours Fayetteville Works, North Carolina

Path: \\nash01\c1\year\PR\Projects\157795\Baseline Monitors\WorkItem\157795_GW_Contours_Map_Permitted_012021.mxd Last Revised: 6/17/2024 Author: N.Banham@duke.edu
 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US

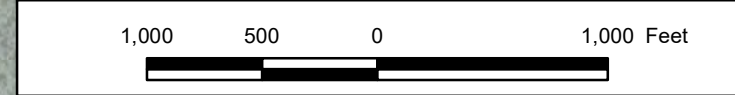


Legend

- ◆ Monitoring Well
- Groundwater Contours (ft NAVD88) - 10 feet interval
- - - Potentiometric Surface Inferred
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Site Boundary
- ➔ Inferred Groundwater Flow Direction

Notes:
 NM - Not measured
 ft NAVD88 - feet North American Vertical Datum 1988.

1. Depth to water measurements collected on March 5, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

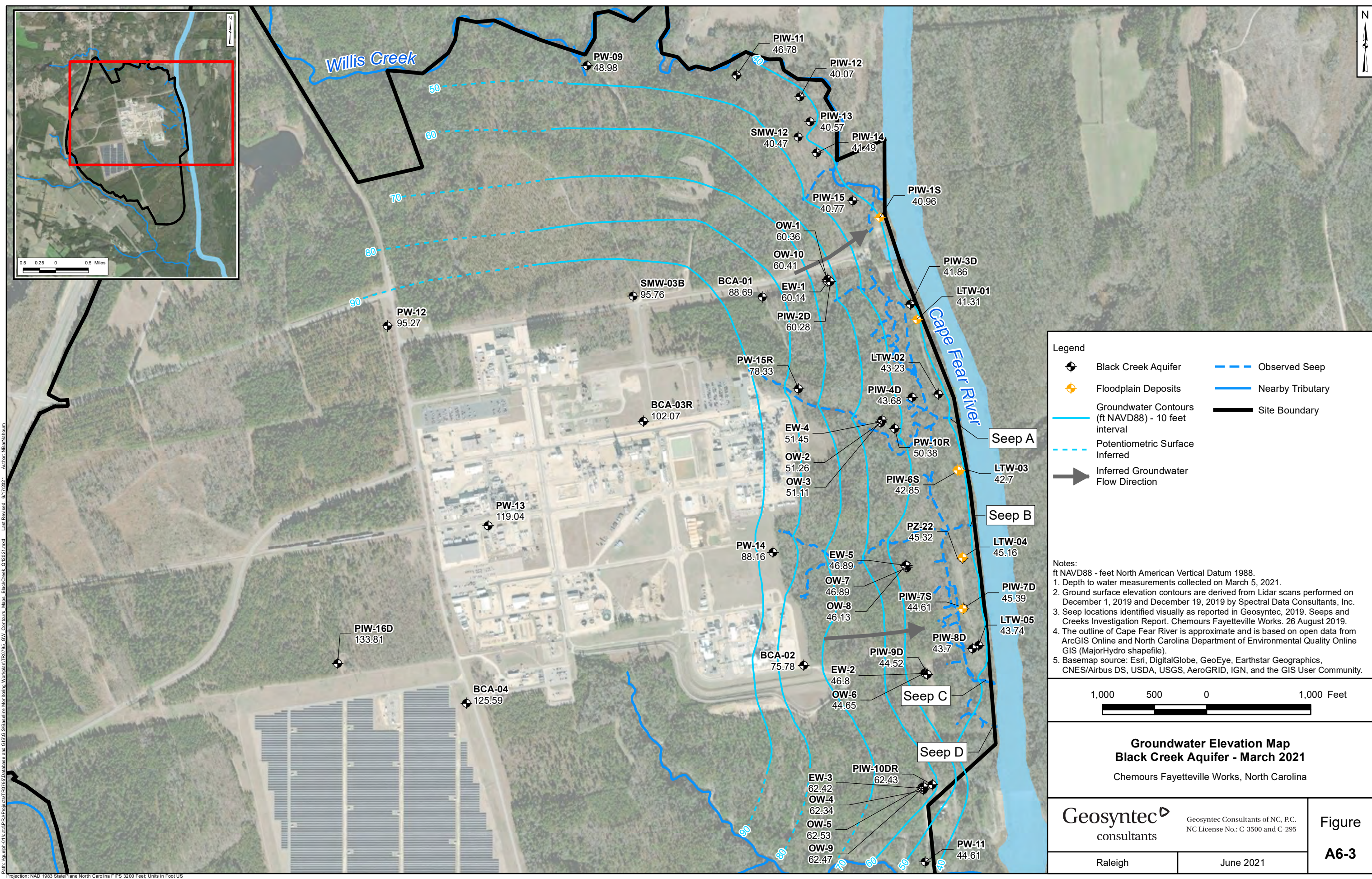


**Groundwater Elevation Map
 Surficial Aquifer - March 2021**
 Chemours Fayetteville Works, North Carolina

	Geosyntec Consultants of NC, P.C. NC License No.: C. 3500 and C. 295	Figure A6-2
	Raleigh	

Path: \\nash01\c1\year\2021\Projects\170725\Baseline Monitors\GIS\GISBaseline Monitors\Work\170725\GW Contours Map_Surficial_012021.mxd - Last Revised: 6/17/2021 - Author: N.Bankbaum

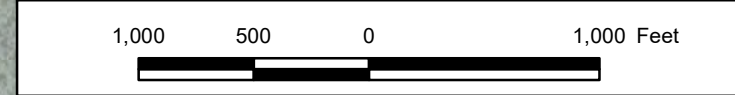
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



Legend

- Black Creek Aquifer
- Floodplain Deposits
- Groundwater Contours (ft NAVD88) - 10 feet interval
- Potentiometric Surface Inferred
- Observed Seep
- Nearby Tributary
- Site Boundary
- Inferred Groundwater Flow Direction

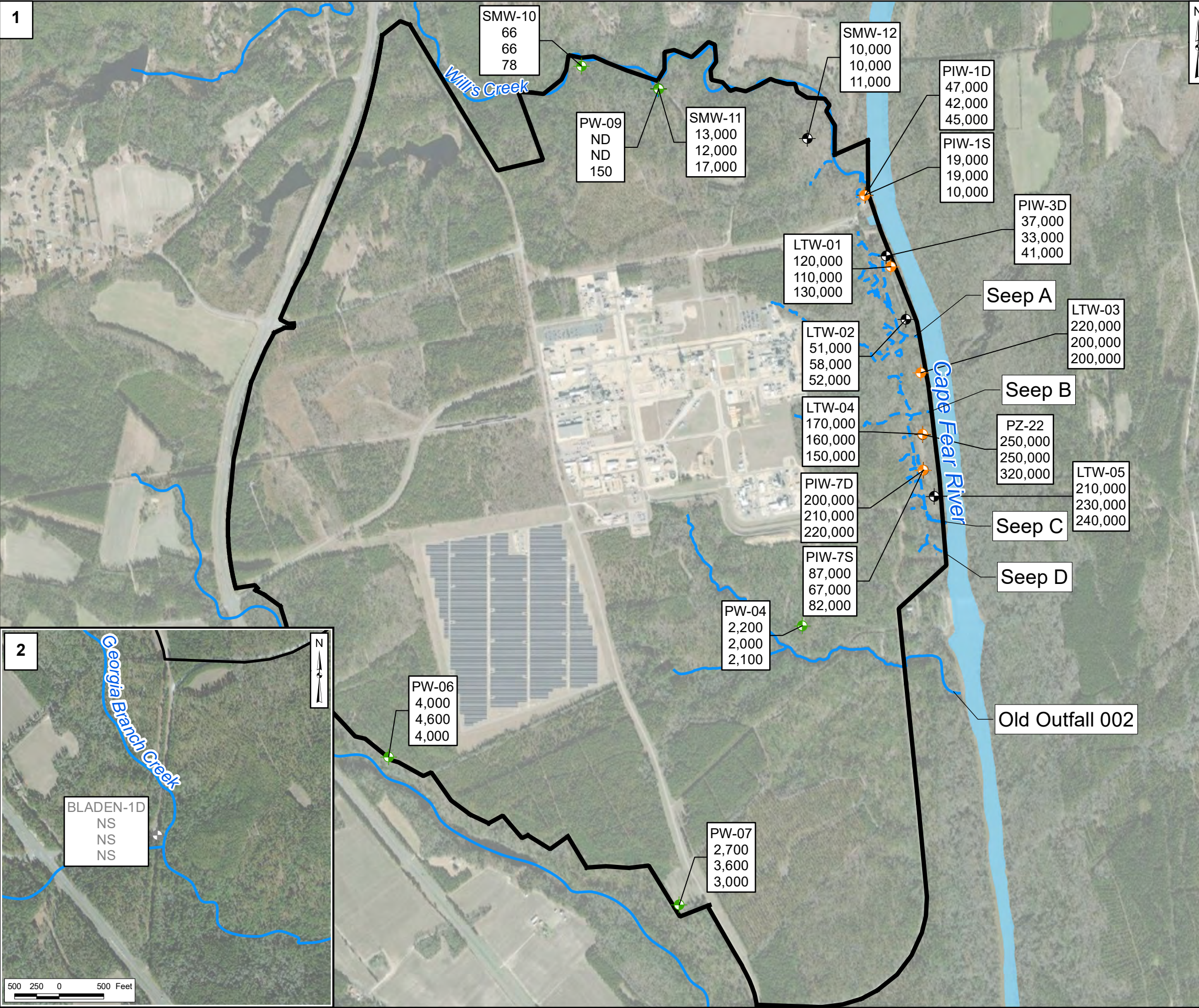
Notes:
 ft NAVD88 - feet North American Vertical Datum 1988.
 1. Depth to water measurements collected on March 5, 2021.
 2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
 3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
 4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
 5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Groundwater Elevation Map
Black Creek Aquifer - March 2021
 Chemours Fayetteville Works, North Carolina

	Geosyntec Consultants of NC, P.C. NC License No.: C. 3500 and C. 295	Figure A6-3
	Raleigh	

Path: \\nash01\c1\year\2021\GIS\Baseline Monitors\Work\mon\170725\GW_Contours_Map\BlackCreek_012021.mxd - Last Revised: 6/17/2021 - Author: N8anNahum
 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US



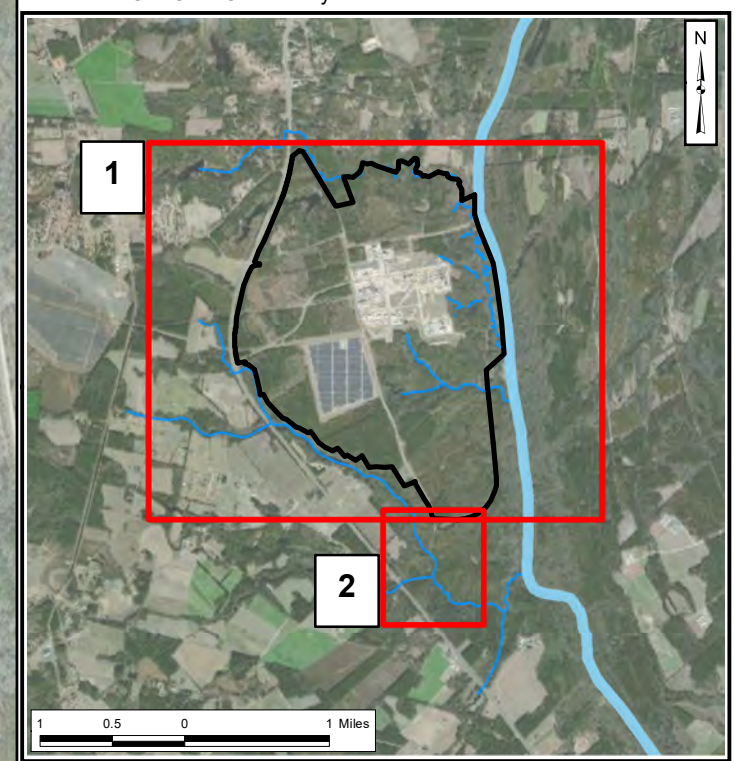
Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Damaged
- Observed Seep
- Nearby Tributary
- Site Boundary

PIW-1D	Location Name
47,000	January 2021
42,000	February 2021
45,000	March 2021

Notes:
 HFPO-DA - hexafluoropropylene oxide dimer acid
 NS - not sampled

- All results are in nanograms per liter.
- Total table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- Non-detect values were not included in sum of total Table 3+ results.
- Total Table 3+ results include J-qualified data.
- The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
- Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



**Total Table 3+ Concentrations (17 Compounds)
 in Groundwater - Q1 2021**
 Chemours Fayetteville Works, North Carolina

Path: \\gubebh-c1\year\PU\Projects\T60795\Baseline Monitoring\Workplan\T60795_GW_MW_Totals_012021_17Compounds.mxd Author: NBarNobium Last Revised: 6/17/2021 Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet Units in Foot US

APPENDIX B

Supplemental Tables

TABLE B1-1
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP B-2 - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
Station 1	0	0.00	0.05	0.00	0.48	0.02
Station 2	0.5	0.18	0.10	0.96	1.13	0.12
Station 3	1	0.23	0.09	1.30	1.10	0.09
Station 4	1.5	0.11	0.03	0.89	0.45	0.01
Station 5	2	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.24
(gpm)						109
(L/s)						7

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Seep B-2

Date: February 24, 2021

Acronyms

-- data not measured or calculated

ft - feet

ft² - square feet

ft³/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B1-2
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP B-TR1 - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
Station 1	0	0.00	0.05	0.00	0.00	0.000
Station 2	0.5	0.20	0.18	0.00	0.14	0.024
Station 3	1	0.50	0.29	0.27	0.24	0.069
Station 4	1.5	0.65	0.31	0.21	0.20	0.061
Station 5	2	0.60	0.23	0.18	0.09	0.020
Station 6	2.5	0.30	0.08	0.00	0.00	0.000
Station 7	3	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.17
(gpm)						78
(L/s)						5

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Seep B-TR1
 Date: February 24, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B1-3
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP B-TR2 - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
Station 1	0	0.00	0.01	0.00	0.00	0.00
Station 2	0.25	0.10	0.04	0.00	0.00	0.00
Station 3	0.5	0.20	0.08	0.00	0.44	0.03
Station 4	0.75	0.40	0.05	0.87	0.44	0.02
Station 5	1	0.00	0.01	0.00	0.00	0.00
Station 6	1.25	0.10		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.05
(gpm)						24
(L/s)						2

Associated Measurement Notes

Location: Chemours Fayetteville
Station: Seep B-TR2
Date: February 24, 2021

Acronyms

-- data not measured or calculated
ft - feet
ft² - square feet
ft³/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B2-1
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP-B-C1 - MARCH 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
South Muddy Bank	0	0.00	0.08	0.00	0.06	0.004
Middle	1	0.15	0.03	0.11	0.13	0.004
Middle	1.2	0.15	0.05	0.14	0.20	0.01
Middle	1.5	0.15	0.03	0.25	0.23	0.01
Middle	1.7	0.15	0.02	0.20	0.10	0.002
North Muddy bank	2	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.03
(gpm)						12
(L/s)						0.7

Associated Measurement Notes

Location: Chemours Fayetteville

Station: SEEP-B-C1

Date: March 29, 2021

Acronyms

-- data not measured or calculated

ft - feet

ft² - square feet

ft³/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B2-2
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP-B-C2 - MARCH 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
North Bank	0	0.00	0.04	0.00	0.05	0.00
Middle	0.5	0.15	0.08	0.10	0.28	0.02
Middle	1	0.15	0.09	0.45	0.65	0.06
Middle	1.5	0.20	0.09	0.85	0.89	0.08
Middle	2	0.15	0.06	0.92	0.51	0.03
Middle	2.5	0.10	0.03	0.10	0.05	0.00
South Bank	3	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.19
(gpm)						85
(L/s)						5

Associated Measurement Notes

Location: Chemours Fayetteville

Station: SEEP-B-C2

Date: March 29, 2021

Acronyms

-- data not measured or calculated

ft - feet

ft² - square feet

ft³/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B2-3
SEEP B VOLUMETRIC DISCHARGE CALCULATIONS - SEEP-B-C3 - MARCH 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
East Bank	0	0.00	0.03	0.00	0.02	0.00
Middle	0.5	0.10	0.06	0.04	0.08	0.01
Middle	1	0.15	0.06	0.12	0.16	0.01
Middle	1.5	0.10	0.03	0.19	0.10	0.00
West Bank	2	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						0.02
(gpm)						8
(L/s)						0.5

Associated Measurement Notes

Location: Chemours Fayetteville
Station: SEEP-B-C3
Date: March 29, 2021

Acronyms

-- data not measured or calculated
ft - feet
ft² - square feet
ft³/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B3
SEEP C FLUME DATA - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
1/26/2021	12:00:00 AM	1.004	0.34	39.48	1184
1/26/2021	12:30:00 AM	0.868	0.29	26.93	808
1/26/2021	1:00:00 AM	1.077	0.36	47.49	1425
1/26/2021	1:30:00 AM	1.055	0.35	44.98	1349
1/26/2021	2:00:00 AM	1.034	0.35	42.66	1280
1/26/2021	2:30:00 AM	0.973	0.33	36.36	1091
1/26/2021	3:00:00 AM	1.077	0.36	47.49	1425
1/26/2021	3:30:00 AM	1.138	0.38	54.89	1647
1/26/2021	4:00:00 AM	0.977	0.33	36.75	1103
1/26/2021	4:30:00 AM	1.034	0.35	42.66	1280
1/26/2021	5:00:00 AM	1.206	0.4	63.94	1918
1/26/2021	5:30:00 AM	1.406	0.47	95.73	2872
1/26/2021	6:00:00 AM	1.155	0.39	57.08	1712
1/26/2021	6:30:00 AM	1.141	0.38	55.27	1658
1/26/2021	7:00:00 AM	1.288	0.43	76.02	2281
1/26/2021	7:30:00 AM	1.309	0.44	79.33	2380
1/26/2021	8:00:00 AM	1.198	0.4	62.84	1885
1/26/2021	8:30:00 AM	1.346	0.45	85.36	2561
1/26/2021	9:00:00 AM	1.205	0.4	63.81	1914
1/26/2021	9:30:00 AM	1.247	0.42	69.82	2095
1/26/2021	10:00:00 AM	1.279	0.43	74.63	2239
1/26/2021	10:30:00 AM	1.124	0.38	53.13	1594
1/26/2021	11:00:00 AM	1.49	0.5	111.52	3346
1/26/2021	11:30:00 AM	1.55	0.52	123.72	3712
1/26/2021	12:00:00 PM	1.488	0.5	111.12	3334
1/26/2021	12:30:00 PM	1.493	0.5	112.11	3363
1/26/2021	1:00:00 PM	1.345	0.45	85.19	2556
1/26/2021	1:30:00 PM	1.259	0.42	71.6	2148
1/26/2021	2:00:00 PM	1.254	0.42	70.86	2126
1/26/2021	2:30:00 PM	1.174	0.39	59.58	1787
1/26/2021	3:00:00 PM	1.208	0.4	64.22	1927
1/26/2021	3:30:00 PM	1.203	0.4	63.53	1906
1/26/2021	4:00:00 PM	1.244	0.42	69.38	2081
1/26/2021	4:30:00 PM	1.284	0.43	75.4	2262
1/26/2021	5:00:00 PM	1.211	0.41	64.64	1939
1/26/2021	5:30:00 PM	1.214	0.41	65.07	1952
1/26/2021	6:00:00 PM	1.24	0.41	68.8	2064
1/26/2021	6:30:00 PM	1.233	0.41	67.78	2033
1/26/2021	7:00:00 PM	1.13	0.38	53.88	1616
1/26/2021	7:30:00 PM	1.135	0.38	54.51	1635
1/26/2021	8:00:00 PM	1.171	0.39	59.18	1775
1/26/2021	8:30:00 PM	1.175	0.39	59.71	1791
1/26/2021	9:00:00 PM	1.161	0.39	57.86	1736
1/26/2021	9:30:00 PM	1.151	0.39	56.56	1697
1/26/2021	10:00:00 PM	1.144	0.38	55.66	1670
1/26/2021	10:30:00 PM	1.103	0.37	50.56	1517
1/26/2021	11:00:00 PM	1.151	0.39	56.56	1697
1/26/2021	11:30:00 PM	1.12	0.37	52.64	1579
1/27/2021	12:00:00 AM	1.137	0.38	54.77	1643
1/27/2021	12:30:00 AM	1.171	0.39	59.18	1775
1/27/2021	1:00:00 AM	1.051	0.35	44.53	1336
1/27/2021	1:30:00 AM	1.147	0.38	56.04	1681

TABLE B3
SEEP C FLUME DATA - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
1/27/2021	2:00:00 AM	1.115	0.37	52.02	1561
1/27/2021	2:30:00 AM	1.169	0.39	58.91	1767
1/27/2021	3:00:00 AM	1.105	0.37	50.8	1524
1/27/2021	3:30:00 AM	1.015	0.34	40.63	1219
1/27/2021	4:00:00 AM	1.147	0.38	56.04	1681
1/27/2021	4:30:00 AM	1.225	0.41	66.63	1999
1/27/2021	5:00:00 AM	1.198	0.4	62.84	1885
1/27/2021	5:30:00 AM	1.232	0.41	67.63	2029
1/27/2021	6:00:00 AM	1.151	0.39	56.56	1697
1/27/2021	6:30:00 AM	1.445	0.48	102.88	3086
1/27/2021	7:00:00 AM	1.171	0.39	59.18	1775
1/27/2021	7:30:00 AM	1.154	0.39	56.95	1709
1/27/2021	8:00:00 AM	1.187	0.4	61.33	1840
1/27/2021	8:30:00 AM	1.162	0.39	57.99	1740
1/27/2021	9:00:00 AM	1.523	0.51	118.13	3544
1/27/2021	9:30:00 AM	1.523	0.51	118.13	3544
1/27/2021	10:00:00 AM	1.338	0.45	84.03	2521
1/27/2021	10:30:00 AM	1.369	0.46	89.25	2678
1/27/2021	11:00:00 AM	1.422	0.48	98.63	2959
1/27/2021	11:30:00 AM	1.385	0.46	92.02	2761
1/27/2021	12:00:00 PM	1.269	0.42	73.11	2193
1/27/2021	12:30:00 PM	1.288	0.43	76.02	2281
1/27/2021	1:00:00 PM	0.998	0.33	38.87	1166
1/27/2021	1:30:00 PM	0.714	0.24	16.11	483
1/27/2021	2:00:00 PM	1.143	0.38	55.53	1666
1/27/2021	2:30:00 PM	1.144	0.38	55.66	1670
1/27/2021	3:00:00 PM	1.171	0.39	59.18	1775
1/27/2021	3:30:00 PM	1.104	0.37	50.68	1520
1/27/2021	4:00:00 PM	1.181	0.4	60.52	1816
1/27/2021	4:30:00 PM	1.247	0.42	69.82	2095
1/27/2021	5:00:00 PM	1.319	0.44	80.93	2428
1/27/2021	5:30:00 PM	1.168	0.39	58.78	1763
1/27/2021	6:00:00 PM	1.094	0.37	49.49	1485
1/27/2021	6:30:00 PM	1.088	0.36	48.77	1463
1/27/2021	7:00:00 PM	1.017	0.34	40.84	1225
1/27/2021	7:30:00 PM	0.935	0.31	32.74	982
1/27/2021	8:00:00 PM	1.02	0.34	41.16	1235
1/27/2021	8:30:00 PM	0.935	0.31	32.74	982
1/27/2021	9:00:00 PM	1.034	0.35	42.66	1280
1/27/2021	9:30:00 PM	0.922	0.31	31.56	947
1/27/2021	10:00:00 PM	1.04	0.35	43.32	1300
1/27/2021	10:30:00 PM	0.979	0.33	36.95	1109
1/27/2021	11:00:00 PM	1.208	0.4	64.22	1927
Total					95,859

Acronyms:

ft - feet

gal - gallons

gpm - gallons per minute

kPa - kilopascals

* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B4

**SEEP D FLUME DATA - JANUARY 2021
Chemours Fayetteville Works, North Carolina**

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
1/26/2021	12:00:57 AM	1.856	0.62	198.71	5961
1/26/2021	12:30:57 AM	1.716	0.57	161.68	4850
1/26/2021	1:00:57 AM	1.935	0.65	221.73	6652
1/26/2021	1:30:57 AM	1.901	0.64	211.63	6349
1/26/2021	2:00:57 AM	1.881	0.63	205.83	6175
1/26/2021	2:30:57 AM	1.809	0.61	185.75	5573
1/26/2021	3:00:57 AM	1.927	0.64	219.33	6580
1/26/2021	3:30:57 AM	1.994	0.67	239.96	7199
1/26/2021	4:00:57 AM	1.821	0.61	189.01	5670
1/26/2021	4:30:57 AM	1.898	0.64	210.76	6323
1/26/2021	5:00:57 AM	1.917	0.64	216.35	6490
1/26/2021	5:30:57 AM	2.081	0.7	268.48	8054
1/26/2021	6:00:57 AM	1.889	0.63	208.14	6244
1/26/2021	6:30:57 AM	1.847	0.62	196.19	5886
1/26/2021	7:00:57 AM	1.976	0.66	234.31	7029
1/26/2021	7:30:57 AM	1.989	0.67	238.38	7151
1/26/2021	8:00:57 AM	1.899	0.64	211.05	6332
1/26/2021	8:30:57 AM	2.087	0.7	270.52	8116
1/26/2021	9:00:57 AM	1.957	0.65	228.43	6853
1/26/2021	9:30:57 AM	2.027	0.68	250.55	7517
1/26/2021	10:00:57 AM	2.101	0.7	275.32	8260
1/26/2021	10:30:57 AM	1.776	0.59	176.97	5309
1/26/2021	11:00:57 AM	1.945	0.65	224.76	6743
1/26/2021	11:30:57 AM	1.984	0.66	236.81	7104
1/26/2021	12:00:57 PM	1.957	0.65	228.43	6853
1/26/2021	12:30:57 PM	2.003	0.67	242.82	7285
1/26/2021	1:00:57 PM	1.906	0.64	213.1	6393
1/26/2021	1:30:57 PM	1.868	0.63	202.11	6063
1/26/2021	2:00:57 PM	1.892	0.63	209.01	6270
1/26/2021	2:30:57 PM	1.853	0.62	197.87	5936
1/26/2021	3:00:57 PM	1.909	0.64	213.98	6419
1/26/2021	3:30:57 PM	1.914	0.64	215.46	6464
1/26/2021	4:00:57 PM	1.973	0.66	233.37	7001
1/26/2021	4:30:57 PM	2.028	0.68	250.87	7526
1/26/2021	5:00:57 PM	1.969	0.66	232.13	6964
1/26/2021	5:30:57 PM	1.966	0.66	231.2	6936
1/26/2021	6:00:57 PM	2.012	0.67	245.7	7371
1/26/2021	6:30:57 PM	2.006	0.67	243.78	7313
1/26/2021	7:00:57 PM	1.906	0.64	213.1	6393
1/26/2021	7:30:57 PM	1.916	0.64	216.05	6482
1/26/2021	8:00:57 PM	1.953	0.65	227.2	6816
1/26/2021	8:30:57 PM	1.961	0.66	229.66	6890
1/26/2021	9:00:57 PM	1.953	0.65	227.2	6816
1/26/2021	9:30:57 PM	1.945	0.65	224.76	6743
1/26/2021	10:00:57 PM	1.941	0.65	223.55	6707
1/26/2021	10:30:57 PM	1.899	0.64	211.05	6332
1/26/2021	11:00:57 PM	1.954	0.65	227.51	6825
1/26/2021	11:30:57 PM	1.921	0.64	217.54	6526
1/27/2021	12:00:57 AM	1.943	0.65	224.15	6725
1/27/2021	12:30:57 AM	1.974	0.66	233.68	7010
1/27/2021	1:00:57 AM	1.872	0.63	203.25	6098
1/27/2021	1:30:57 AM	1.96	0.66	229.35	6880
1/27/2021	2:00:57 AM	1.917	0.64	216.35	6491

TABLE B4
SEEP D FLUME DATA - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
1/27/2021	2:30:57 AM	1.982	0.66	236.18	7085
1/27/2021	3:00:57 AM	1.914	0.64	215.46	6464
1/27/2021	3:30:57 AM	1.823	0.61	189.55	5687
1/27/2021	4:00:57 AM	1.961	0.66	229.66	6890
1/27/2021	4:30:57 AM	2.04	0.68	254.79	7644
1/27/2021	5:00:57 AM	2.023	0.68	249.25	7477
1/27/2021	5:30:57 AM	2.049	0.69	257.76	7733
1/27/2021	6:00:57 AM	1.989	0.67	238.38	7151
1/27/2021	6:30:57 AM	2.293	0.77	346.52	10396
1/27/2021	7:00:57 AM	1.994	0.67	239.96	7199
1/27/2021	7:30:57 AM	2.001	0.67	242.18	7265
1/27/2021	8:00:57 AM	1.996	0.67	240.59	7218
1/27/2021	8:30:57 AM	1.982	0.66	236.18	7085
1/27/2021	9:00:57 AM	2.372	0.79	378.8	11364
1/27/2021	9:30:57 AM	2.384	0.8	383.86	11516
1/27/2021	10:00:57 AM	2.296	0.77	347.71	10431
1/27/2021	10:30:57 AM	2.436	0.82	406.28	12188
1/27/2021	11:00:57 AM	2.592	0.87	478.32	14350
1/27/2021	11:30:57 AM	2.68	0.9	522.22	15667
1/27/2021	12:00:57 PM	2.658	0.89	511.03	15331
1/27/2021	12:30:57 PM	2.806	0.94	589.3	17679
1/27/2021	1:00:57 PM	2.596	0.87	480.27	14408
1/27/2021	1:30:57 PM	2.404	0.8	392.39	11772
1/27/2021	2:00:57 PM	2.955	0.99	675.19	20256
1/27/2021	2:30:57 PM	3.072	1.03	747.79	22434
1/27/2021	3:00:57 PM	3.101	1.04	766.5	22995
1/27/2021	3:30:57 PM	3.11	1.04	772.37	23171
1/27/2021	4:00:57 PM	3.279	1.1	887.69	26631
1/27/2021	4:30:57 PM	3.385	1.13	965.17	28955
1/27/2021	5:00:57 PM	3.394	1.14	971.93	29158
1/27/2021	5:30:57 PM	3.471	1.16	1031	30930
1/27/2021	6:00:57 PM	3.542	1.19	1087.39	32622
1/27/2021	6:30:57 PM	3.657	1.22	1182.72	35482
1/27/2021	7:00:57 PM	3.629	1.21	1159.05	34772
1/27/2021	7:30:57 PM	3.576	1.2	1115.06	33452
1/27/2021	8:00:57 PM	3.694	1.24	1214.45	36433
1/27/2021	8:30:57 PM	3.657	1.22	1182.72	35482
1/27/2021	9:00:57 PM	3.811	1.28	1318.24	39547
1/27/2021	9:30:57 PM	3.749	1.25	1262.58	37877
1/27/2021	10:00:57 PM	3.92	1.31	1419.73	42592
1/27/2021	10:30:57 PM	3.883	1.3	1384.76	41543
1/27/2021	11:00:57 PM	4.03	1.35	1526.92	45808
1/27/2021	11:30:57 PM	4.089	1.37	1586.41	47592
Total					384,209

Acronyms:

ft - feet

gal - gallons

gpm - gallons per minute

kPa - kilopascals

* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B5-1
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, PC

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
South Side	0	0.00	0.28	0	0.84	0.23
Bottom	1	0.55	0.50	0.6	1.16	0.58
Middle	1	0.28		1.7		
Top	1	0.00		1.4		
Bottom	2	0.45	0.43	0.99	0.98	0.41
Middle	2	0.23		0.6		
Top	2	0.00		1.13		
Bottom	3	0.40	0.325	0.78	1.14	0.37
Middle	3	0.20		1.3		
Top	3	0.00		1.15		
Bottom	4	0.25	0.25	0.78	0.88	0.22
Top	4	0.00		1.05		
Bottom	5	0.25	0.20	0.85	0.46	0.09
Top	5	0.00		0.85		
Bottom	6	0.15	0.075	0.06	0.03	0.002
North Side	7	0.00		0		
Total Volumetric Discharge						
(ft ³ /s)						1.9
(gpm)						856
(L/s)						54

Associated Measurement Notes
 Location: Chemours Fayetteville
 Station: Old Outfall
 Date: January 26, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B5-2
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
West Bank	0	0.00	0.15	0	0.16	0.02
Bottom	1	0.29	0.34	0.22	0.33	0.11
Top	1	0.00		0.40		
Bottom	2	0.39	0.42	0.30	0.45	0.19
Top	2	0.00		0.38		
Bottom	3	0.45	0.58	0.49	0.68	0.39
Middle	3	0.22		0.56		
Top	3	0.00		0.71		
Bottom	4	0.70	0.70	0.46	0.64	0.44
Middle	4	0.35		0.79		
Top	4	0.00		0.90		
Bottom	5	0.70	0.63	0.43	0.51	0.32
Middle	5	0.35		0.48		
Top	5	0.00		0.80		
Bottom	6	0.55	0.43	0.17	0.48	0.20
Middle	6	0.27		0.53		
Top	6	0.00		0.62		
Bottom	7	0.30	0.20	0.23	0.20	0.04
Top	7	0.00		0.49		
Bottom/Surface	8	0.10	0.05	0.06	0.03	0.002
East Bank	9	0.00		0		

Total Volumetric Discharge	
(ft³/s)	1.7
(gpm)	769
(L/s)	49

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Old OF-2
 Date: February 24, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between Measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B5-3
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - MARCH 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
South Bank	0	0.00	0.10	0.00	0.14	0.01
Bottom	0.5	0.40	0.18	0.10	1.19	0.21
Middle	0.5	0.20		0.28		
Top	0.5	0.00		0.25		
Bottom	1	0.30	0.20	1.10	2.04	0.41
Middle	1	0.15		2.10		
Top	1	0.00		2.45		
Bottom	1.5	0.50	0.25	1.65	1.89	0.47
Middle	1.5	0.25		1.98		
Top	1.5	0.00		2.50		
Bottom	2	0.50	0.23	0.45	1.85	0.42
Middle	2	0.25		1.80		
Top	2	0.00		2.20		
Bottom	2.5	0.40	0.18	1.50	1.90	0.33
Middle	2.5	0.20		1.90		
Top	2.5	0.00		1.80		
Bottom	3	0.30	0.23	1.34	1.54	0.35
Middle	3	0.15		1.90		
Top	3	0.00		1.50		
Middle	3.5	0.20		1.90		
Middle	4	0.15		0.45		
North Bank	4.5	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s)						2.2
(gpm)						986
(L/s)						62

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Old OF-2
 Date: March 29, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B6-1
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
West Bank	0	0.00	1.15	0.00	0.08	0.09
Bottom	5	0.46	4.40	0.39	0.20	0.88
Middle	5	0.30		0.16		
Top	5	0.00		0.13		
Bottom	10	1.30	8.50	0.23	0.32	2.68
Middle	10	0.65		0.24		
Top	10	0.00		0.43		
Bottom	15	2.10	11.25	0.12	0.37	4.11
Middle	15	1.05		0.39		
Top	15	0.00		0.44		
Bottom	20	2.40	13.50	0.25	0.40	5.33
Middle	20	1.20		0.34		
Top	20	0.00		0.27		
Bottom	25	3.00	14.75	0.26	0.45	6.56
Middle	25	1.50		0.45		
Top	25	0.00		0.85		
Bottom	30	2.90	12.50	0.28	0.37	4.63
Middle	30	1.77		0.44		
Top	30	0.00		0.67		
Bottom	35	2.10		0.06		
Middle	35	1.05		0.30		
Top	35	0.00		0.15		

Total Volumetric Discharge	
(ft ³ /s)	24
(gpm)	10896
(L/s)	687

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Willis Creek 01 (SW-WC-01)
 Date: January 26, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

- 1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
- 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B6-2
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - WC-5 - MARCH 2021
Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
South Bank	0	0.00	7.20	0.00	0.10	0.72
Bottom	4	3.60	14.20	0.30	0.18	2.49
Middle	4	1.80		0.20		
Top	4	0.00		0.10		
Bottom	8	3.50	11.20	0.07	0.33	3.64
Middle	8	1.75		0.15		
Top	8	0.00		0.61		
Bottom	12	2.10	7.40	0.33	0.41	3.00
Middle	12	1.10		0.50		
Top	12	0.00		0.66		
Bottom	16	1.60	5.40	0.20	0.61	3.29
Middle	16	0.80		0.31		
Top	16	0.00		0.25		
Bottom	20	1.10	2.20	0.53	0.46	1.00
Middle	20	0.55		0.91		
Top	20	0.00		1.10		
South side of Island	24	0.00		0.00		0.00
Exposed Island	24-48	0.00		0.00		
North Side of Island	48	0.00	3.25	0.00	0.01	
Bottom	53	1.30	5.80	0.00	0.02	0.12
Middle	53	0.65		0.01		
Top	53	0.00		0.02		
Bottom	57	1.60	5.40	0.02	0.06	0.30
Middle	57	0.80		0.03		
Top	57	0.00		0.10		
Bottom	61	1.10	2.85	0.03	0.18	0.51
Middle	61	0.55		0.08		
Top	61	0.00		0.04		
Bottom	63	1.75	1.93	0.05	0.37	0.70
Middle	63	0.70		0.28		
Top	63	0.00		0.30		
Bottom	64	2.10	1.65	0.13	0.69	1.14
Middle	64	1.05		0.45		
Top	64	0.00		0.47		
Bottom	65	1.20	1.20	0.10	0.76	0.91
Middle	65	0.60		0.93		
Top	65	0.00		0.90		
Bottom	66	1.20	2.55	0.24	0.30	0.77
Middle	66	0.60		0.59		
Top	66	0.00		0.85		
Bottom	69	0.50	1.75	0.00	0.01	0.01
Middle	69	0.25		0.01		
Top	69	0.00		0.03		
Middle	73	0.20		0.00		
Stagnant Water	73-76	0.00		0.00		
North Bank	76	0.00		0.00		

Total Volumetric Discharge	
(ft ³ /s)	15
(gpm)	6760
(L/s)	426

Associated Measurement Notes
 Location: Chemours Fayetteville
 Station: Willis Creek-05 (SW-WC-5)
 Date: March 29, 2021

Acronyms
 - - data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes
 1 - Discharge is calculated as product of creek velocity measured at the middle-depth (feet per second) times the cross sectional area of each measurement cell.
 2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B7-1
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, PC

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
Top	26	0.00		0.42		
Bottom	26	0.70	1.10	0.39	0.4	0.47
Top	24	0.00		0.45		
Bottom	24	0.40	2.80	0.46	0.40	1.13
Top	20	0.00		0.32		
Bottom	20	1.00		0.08		
Middle	20	0.50	4.80	0.35	0.44	2.11
Top	16	0.00		0.54		
Bottom	16	1.40		0.26		
Middle	16	0.70	7.80	0.53	0.53	4.10
Top	12	0.00		0.54		
Bottom	12	2.50		0.28		
Middle	12	1.25	11.40	0.52	0.53	5.99
Top	8	0.00		0.45		
Bottom	8	3.20		0.5		
Middle	8	1.60	10.40	0.53	0.44	4.52
Top	4	0.00		0.25		
Bottom	4	2.00		0.11		
Middle	4	1.00		0.34	0.17	0.00
Top	0.5	0.25		0.27		
Bank	0	0.00		0		

Total Volumetric Discharge	
(ft ³ /s)	18.3
(gpm)	8220
(L/s)	519

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Georgia Branch 01 (SW-GB-01)
 Date: January 26, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the middle-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B7-2
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, PC

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
West Bank	0	0.00	0.97	0	0.36	0.35
Bottom	1	1.93	1.97	0.3	0.72	1.40
Middle	1	0.98		0.72		
Top	1	0.00		0.8		
Bottom	2	2.00	1.95	0.38	0.67	1.29
Middle	2	1.00		0.71		
Top	2	0.00		0.81		
Bottom	3	1.89	1.87	0.49	0.64	1.18
Middle	3	0.95		0.62		
Top	3	0.00		0.74		
Bottom	4	1.84	1.75	0.01	0.67	1.16
Middle	4	0.95		0.65		
Top	4	0.00		0.63		
Bottom	5	1.66	1.83	0.48	0.63	1.14
Middle	5	0.83		0.68		
Top	5	0.00		0.68		
Bottom	6	2.00	1.96	0.25	0.48	0.93
Middle	6	1.00		0.57		
Top	6	0.00		0.62		
Bottom	7	1.92	1.92	0.01	0.31	0.58
Middle	7	0.96		0.38		
Top	7	0.00		0.51		
Bottom	8	1.91	0.96	0	0.12	0.11
Middle	8	0.95		0.23		
Top	8	0.00		0.35		
East Bank	9	0.00		0		
Total Volumetric Discharge						
(ft ³ /s)						8.2
(gpm)						3663
(L/s)						231

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Georgia Branch 05 (SW-GB-05)
 Date: February 24, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the middle-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B7-3
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - MARCH 2021
Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area ²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area ¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
North Bank	0	0.00	0.45	0	0.10	0.05
Bottom	1	0.90	0.95	0.14	0.19	0.18
Middle	1	0.45		0.2		
Top	1	0.00		0.11		
Bottom	2	1.00	1.20	0.27	0.30	0.35
Middle	2	0.50		0.17		
Top	2	0.00		0.11		
Bottom	3	1.40	1.25	0.29	0.48	0.60
Middle	3	0.70		0.42		
Top	3	0.00		0.31		
Bottom	4	1.10	1.00	0.4	0.53	0.53
Middle	4	0.55		0.54		
Top	4	0.00		0.6		
Bottom	5	0.90	1.15	0.5	0.49	0.56
Middle	5	0.45		0.52		
Top	5	0.00		0.63		
Bottom	6	1.40	1.30	0.24	0.44	0.57
Middle	6	0.70		0.45		
Top	6	0.00		0.52		
Bottom	7	1.20	1.30	0.32	0.38	0.49
Middle	7	0.60		0.43		
Top	7	0.00		0.4		
Bottom	8	1.40	1.35	0.23	0.24	0.32
Middle	8	0.70		0.32		
Top	8	0.00		0.36		
Bottom	9	1.30	1.05	0.04	0.09	0.09
Middle	9	0.65		0.16		
Top	9	0.00		0.33		
Bottom	10	0.80	0.00	0.01	0.04	0.00
Middle	10	0.40		0.02		
Top - South Bank	10	0.00		0.11		
Total Volumetric Discharge						
(ft ³ /s)						3.7
(gpm)						1679
(L/s)						106

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Georgia Branch 05 (SW-GB-05)
 Date: March 29, 2021

Acronyms

-- data not measured or calculated
 ft - feet
 ft² - square feet
 ft³/s - cubic feet per second
 gpm - gallons per minute
 L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the middle-depth (feet per second) times the cross sectional area of each measurement cell.

2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B8
OUTFALL 002 FLOW RATE - Q1 2021
Chemours Fayetteville Works, North Carolina

Q1 2021 Monthly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
January 2021 ¹	01/26/2021	17.731	17,731,000	15.23	11,254,260
	01/27/2021	18.545	18,545,000	8.77	6,774,076
	1/26/2021 8:46 am to 1/27/2021 8:46 am			24	18,028,336
February 2021 ²	2/24/2021	11.137	11,137,000	1	464,042
	Based on the daily flow average for 2/24/2021 multiplied by the sample collection duration			1	464,042
March 2021 ³	3/29/2021	18.474	18,474,000	16.5	12,700,875
	3/30/2021	18.066	18,066,000	7.5	5,645,625
	3/29/2021 7:30 am to 3/30/2021 7:30 am			24	18,346,500

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 8:46 am on 1/27/2021 approximated based on flow rates for 1/26/2021 and 1/27/2021

2 - Total flow volume for grab sample collected at on 2/24/2021 approximated based on daily average flow rate for 2/24/2021, multiplied by the 1-hr sample collection duration.

3 - Total flow volume for 24-hour temporal composite sample collected at 7:30 am on 3/30/2021 approximated based on flow rates for 3/29/2021 and 3/30/2021

Acronyms:

gal - gallons

MGD - millions of gallons per day

TABLE B9
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021
Chemours Fayetteville Works, North Carolina

Q1 2021 Monthly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location ¹	Travel Time Offset (hr) ²	Adjusted Flow Gauging Timepoint	Composite Sample 24-Hour Flow Volume (MGD) ³	Grab Sample Instantaneous Flow Rate (ft ³ /s) ⁴
January 2021	Upstream River Water and Groundwater	1/26/2021 10:05	William O Huske Lock and Dam	--	1/26/2021 10:05	--	4,860
	Tarheel (Composite Sample)	1/27/2021 15:10	William O Huske Lock and Dam	7	1/27/2021 11:45	4,890	--
	Tarheel (Grab Sample)	1/26/2021 15:00	William O Huske Lock and Dam	7	1/26/2021 10:15	--	4,910
	Bladen Bluff	1/26/2021 14:25	William O Huske Lock and Dam	5	1/26/2021 11:00	--	4,960
	Kings Bluff	1/28/2021 14:10	Cape Fear River Lock and Dam #1	--	1/28/2021 14:10	--	11,200
February 2021	Upstream River Water and Groundwater	2/24/2021 11:11	William O Huske Lock and Dam	--	2/24/2021 11:11	--	16,900
	Tarheel (Grab Sample)	2/24/2021 15:15	William O Huske Lock and Dam	7	2/24/2021 12:30	--	16,900
	Bladen Bluff	2/24/2021 14:10	William O Huske Lock and Dam	5	2/24/2021 12:15	--	17,000
	Kings Bluff	2/25/2021 10:00	Cape Fear River Lock and Dam #1	--	2/25/2021 10:00	--	20,900
March 2021	Upstream River Water and Groundwater	3/29/2021 9:15	William O Huske Lock and Dam	--	3/29/2021 9:15	--	14,000
	Tarheel (Composite Sample)	3/30/2021 8:50	William O Huske Lock and Dam	7	3/30/2021 6:00	8,290	--
	Tarheel (Grab Sample)	3/29/2021 12:10	William O Huske Lock and Dam	7	3/29/2021 9:15	--	14,000
	Bladen Bluff	3/29/2021 11:30	William O Huske Lock and Dam	5	3/29/2021 9:15	--	14,000
	Kings Bluff	3/30/2021 12:20	Cape Fear River Lock and Dam #1	--	3/30/2021 12:20	--	14,200

Notes:

- 1 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam and USGS gauging station # 02105769 located at Lock and Dam #1 near Kelly, NC.
- 2 - Flow rates measured at William O Huske Lock and Dam were used for mass loading assessments at Tarheel and Bladen Bluff sample locations. Travel times between William O Huske Lock and Dam and the downstream locations were estimated based on the results of a numerical model of the Cape Fear River developed by Geosyntec which developed a regression curve between the USGS reported gage heights at William O Huske Lock and Dam and travel times.
- 3 - Total flow volume for composite samples is based on measurements taken over 24-hour sample collection period.
- 4 - Instantaneous flow rate for grab samples is the recorded flow rate at the time of grab sample collection.

Acronyms:ft³/s - cubic feet per second

hr - hours

MGD - millions of gallons per day

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/26/2021 0:00	4,220	28,410,939	3.27	0
1/26/2021 0:15	4,250	28,612,913	3.28	0
1/26/2021 0:30	4,250	28,612,912	3.28	0
1/26/2021 0:45	4,270	28,747,561	3.29	0
1/26/2021 1:00	4,270	28,747,562	3.29	0
1/26/2021 1:15	4,290	28,882,210	3.3	0
1/26/2021 1:30	4,290	28,882,210	3.3	0
1/26/2021 1:45	4,290	28,882,211	3.3	0
1/26/2021 2:00	4,290	28,882,210	3.3	0
1/26/2021 2:15	4,310	29,016,859	3.31	0
1/26/2021 2:30	4,310	29,016,860	3.31	0
1/26/2021 2:45	4,340	29,218,833	3.32	0
1/26/2021 3:00	4,340	29,218,833	3.32	0
1/26/2021 3:15	4,360	29,353,482	3.33	0.01
1/26/2021 3:30	4,380	29,488,131	3.34	0
1/26/2021 3:45	4,380	29,488,131	3.34	0
1/26/2021 4:00	4,380	29,488,131	3.34	0.01
1/26/2021 4:15	4,410	29,690,104	3.35	0.08
1/26/2021 4:30	4,410	29,690,104	3.35	0
1/26/2021 4:45	4,410	29,690,105	3.35	0
1/26/2021 5:00	4,430	29,824,753	3.36	0
1/26/2021 5:15	4,450	29,959,402	3.37	0
1/26/2021 5:30	4,480	30,161,376	3.38	0
1/26/2021 5:45	4,500	30,296,025	3.39	0.01
1/26/2021 6:00	4,480	30,161,376	3.38	0.01
1/26/2021 6:15	4,500	30,296,025	3.39	0.01
1/26/2021 6:30	4,530	30,497,998	3.4	0.01
1/26/2021 6:45	4,550	30,632,647	3.41	0
1/26/2021 7:00	4,570	30,767,297	3.42	0
1/26/2021 7:15	4,570	30,767,296	3.42	0
1/26/2021 7:30	4,570	30,767,296	3.42	0
1/26/2021 7:45	4,600	30,969,270	3.43	0
1/26/2021 8:00	4,620	31,103,919	3.44	0
1/26/2021 8:15	4,640	31,238,568	3.45	0
1/26/2021 8:30	4,690	31,575,191	3.47	0
1/26/2021 8:45	4,670	31,440,541	3.46	0
1/26/2021 9:00	4,720	31,777,164	3.48	0.01
1/26/2021 9:15	4,740	31,911,813	3.49	0
1/26/2021 9:30	4,770	32,113,786	3.5	0.02
1/26/2021 9:45	4,810	32,383,084	3.52	0.06
1/26/2021 10:00	4,860	32,719,707	3.54	0.03
1/26/2021 10:15	4,910	33,056,329	3.56	0.04
1/26/2021 10:30	4,910	33,056,329	3.56	0.01
1/26/2021 10:45	4,960	33,392,952	3.58	0
1/26/2021 11:00	4,960	33,392,952	3.58	0
1/26/2021 11:15	5,010	33,729,574	3.6	0
1/26/2021 11:30	5,060	34,066,197	3.62	0
1/26/2021 11:45	5,110	34,402,819	3.64	0
1/26/2021 12:00	5,170	34,806,766	3.66	0
1/26/2021 12:15	5,190	34,941,416	3.67	0
1/26/2021 12:30	5,240	35,278,038	3.69	0

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/26/2021 12:45	5,290	35,614,660	3.71	0
1/26/2021 13:00	5,320	35,816,634	3.72	0
1/26/2021 13:15	5,370	36,153,256	3.74	0
1/26/2021 13:30	5,370	36,153,256	3.74	0
1/26/2021 13:45	5,420	36,489,879	3.76	0
1/26/2021 14:00	5,450	36,691,852	3.77	0
1/26/2021 14:15	5,500	37,028,475	3.79	0
1/26/2021 14:30	5,560	37,432,422	3.81	0
1/26/2021 14:45	5,610	37,769,044	3.83	0
1/26/2021 15:00	5,640	37,971,018	3.84	0
1/26/2021 15:15	5,690	38,307,641	3.86	0
1/26/2021 15:30	5,720	38,509,614	3.87	0
1/26/2021 15:45	5,770	38,846,236	3.89	0
1/26/2021 16:00	5,800	39,048,210	3.9	0
1/26/2021 16:15	5,830	39,250,183	3.91	0
1/26/2021 16:30	5,880	39,586,806	3.93	0
1/26/2021 16:45	5,910	39,788,780	3.94	0
1/26/2021 17:00	5,960	40,125,402	3.96	0
1/26/2021 17:15	6,020	40,529,349	3.98	0
1/26/2021 17:30	6,050	40,731,323	3.99	0
1/26/2021 17:45	6,100	41,067,945	4.01	0
1/26/2021 18:00	6,130	41,269,918	4.02	0
1/26/2021 18:15	6,160	41,471,892	4.03	0
1/26/2021 18:30	6,220	41,875,839	4.05	0
1/26/2021 18:45	6,270	42,212,461	4.07	0
1/26/2021 19:00	6,300	42,414,435	4.08	0
1/26/2021 19:15	6,330	42,616,408	4.09	0
1/26/2021 19:30	6,420	43,222,329	4.12	0
1/26/2021 19:45	6,510	43,828,250	4.15	0
1/26/2021 20:00	6,510	43,828,249	4.15	0
1/26/2021 20:15	6,560	44,164,872	4.17	0
1/26/2021 20:30	6,620	44,568,819	4.19	0
1/26/2021 20:45	6,650	44,770,792	4.2	0
1/26/2021 21:00	6,710	45,174,739	4.22	0
1/26/2021 21:15	6,770	45,578,687	4.24	0
1/26/2021 21:30	6,830	45,982,633	4.26	0
1/26/2021 21:45	6,850	46,117,282	4.27	0
1/26/2021 22:00	6,910	46,521,230	4.29	0
1/26/2021 22:15	6,940	46,723,203	4.3	0
1/26/2021 22:30	6,970	46,925,176	4.31	0
1/26/2021 22:45	7,050	47,463,773	4.34	0
1/26/2021 23:00	7,080	47,665,746	4.35	0
1/26/2021 23:15	7,130	48,002,368	4.37	0
1/26/2021 23:30	7,160	48,204,342	4.38	0
1/26/2021 23:45	7,220	48,608,289	4.4	0
1/27/2021 0:00	7,240	48,742,938	4.41	0
1/27/2021 0:15	7,300	49,146,885	4.43	0
1/27/2021 0:30	7,360	49,550,832	4.45	0
1/27/2021 0:45	7,390	49,752,805	4.46	0
1/27/2021 1:00	7,440	50,089,428	4.48	0.01
1/27/2021 1:15	7,440	50,089,428	4.48	0

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/27/2021 1:30	7,500	50,493,375	4.5	0
1/27/2021 1:45	7,560	50,897,322	4.52	0
1/27/2021 2:00	7,620	51,301,269	4.54	0
1/27/2021 2:15	7,650	51,503,242	4.55	0
1/27/2021 2:30	7,680	51,705,216	4.56	0
1/27/2021 2:45	7,760	52,243,812	4.59	0
1/27/2021 3:00	7,790	52,445,785	4.6	0
1/27/2021 3:15	7,850	52,849,733	4.62	0
1/27/2021 3:30	7,880	53,051,706	4.63	0
1/27/2021 3:45	7,940	53,455,653	4.65	0
1/27/2021 4:00	7,970	53,657,627	4.66	0
1/27/2021 4:15	8,030	54,061,573	4.68	0
1/27/2021 4:30	8,060	54,263,547	4.69	0
1/27/2021 4:45	8,120	54,667,494	4.71	0
1/27/2021 5:00	8,180	55,071,441	4.73	0
1/27/2021 5:15	8,210	55,273,414	4.74	0
1/27/2021 5:30	8,270	55,677,362	4.76	0
1/27/2021 5:45	8,330	56,081,308	4.78	0
1/27/2021 6:00	8,360	56,283,282	4.79	0
1/27/2021 6:15	8,390	56,485,256	4.8	0
1/27/2021 6:30	8,450	56,889,202	4.82	0.01
1/27/2021 6:45	8,510	57,293,149	4.84	0.01
1/27/2021 7:00	8,610	57,966,395	4.87	0.01
1/27/2021 7:15	8,640	58,168,368	4.88	0.01
1/27/2021 7:30	8,670	58,370,341	4.89	0.03
1/27/2021 7:45	8,730	58,774,289	4.91	0
1/27/2021 8:00	8,790	59,178,235	4.93	0.01
1/27/2021 8:15	8,850	59,582,182	4.95	0.03
1/27/2021 8:30	8,880	59,784,156	4.96	0.02
1/27/2021 8:45	9,000	60,592,050	5	0.01
1/27/2021 9:00	9,000	60,592,050	5	0
1/27/2021 9:15	9,030	60,794,024	5.01	0.02
1/27/2021 9:30	9,030	60,794,023	5.01	0
1/27/2021 9:45	9,130	61,467,268	5.04	0
1/27/2021 10:00	9,190	61,871,216	5.06	0
1/27/2021 10:15	9,220	62,073,189	5.07	0
1/27/2021 10:30	9,280	62,477,136	5.09	0
1/27/2021 10:45	9,310	62,679,110	5.1	0
1/27/2021 11:00	9,370	63,083,056	5.12	0
1/27/2021 11:15	9,410	63,352,354	5.13	0
1/27/2021 11:30	9,470	63,756,302	5.15	0
1/27/2021 11:45	9,500	63,958,275	5.16	0.01
1/27/2021 12:00	9,560	64,362,222	5.18	0
1/27/2021 12:15	9,590	64,564,196	5.19	0
1/27/2021 12:30	9,660	65,035,467	5.21	0
1/27/2021 12:45	9,720	65,439,414	5.23	0
1/27/2021 13:00	9,720	65,439,414	5.23	0
1/27/2021 13:15	9,750	65,641,387	5.24	0
1/27/2021 13:30	9,820	66,112,659	5.26	0
1/27/2021 13:45	9,850	66,314,633	5.27	0
1/27/2021 14:00	9,910	66,718,579	5.29	0

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/27/2021 14:15	9,980	67,189,851	5.31	0
1/27/2021 14:30	10,000	67,324,500	5.32	0
1/27/2021 14:45	10,000	67,324,500	5.32	0
1/27/2021 15:00	10,000	67,324,500	5.33	0
1/27/2021 15:15	10,100	67,997,745	5.35	0
1/27/2021 15:30	10,100	67,997,745	5.35	0
1/27/2021 15:45	10,200	68,670,990	5.38	0
1/27/2021 16:00	10,200	68,670,990	5.39	0
1/27/2021 16:15	10,200	68,670,990	5.39	0
1/27/2021 16:30	10,300	69,344,235	5.41	0
1/27/2021 16:45	10,300	69,344,235	5.4	0
1/27/2021 17:00	10,300	69,344,235	5.42	0
1/27/2021 17:15	10,400	70,017,480	5.44	0
1/27/2021 17:30	10,400	70,017,480	5.45	0
1/27/2021 17:45	10,400	70,017,480	5.45	0
1/27/2021 18:00	10,500	70,690,725	5.47	0
1/27/2021 18:15	10,500	70,690,725	5.48	0
1/27/2021 18:30	10,600	71,363,970	5.49	0
1/27/2021 18:45	10,600	71,363,970	5.5	0
1/27/2021 19:00	10,600	71,363,970	5.51	0
1/27/2021 19:15	10,700	72,037,215	5.53	0
1/27/2021 19:30	10,700	72,037,215	5.54	0
1/27/2021 19:45	10,800	72,710,460	5.55	0
1/27/2021 20:00	10,800	72,710,460	5.55	0
1/27/2021 20:15	10,800	72,710,460	5.56	0
1/27/2021 20:30	10,900	73,383,705	5.58	0
1/27/2021 20:45	10,900	73,383,705	5.58	0
1/27/2021 21:00	10,900	73,383,705	5.58	0
1/27/2021 21:15	10,900	73,383,705	5.6	0
1/27/2021 21:30	10,900	73,383,705	5.6	0
1/27/2021 21:45	11,000	74,056,950	5.62	0
1/27/2021 22:00	11,000	74,056,950	5.62	0
1/27/2021 22:15	11,000	74,056,950	5.62	0.01
1/27/2021 22:30	11,100	74,730,195	5.65	0.03
1/27/2021 22:45	11,100	74,730,195	5.64	0.03
1/27/2021 23:00	11,100	74,730,195	5.65	0.05
1/27/2021 23:15	11,100	74,730,195	5.66	0.02
1/27/2021 23:30	11,100	74,730,195	5.67	0.02
1/27/2021 23:45	11,200	75,403,440	5.69	0.04
1/28/2021 0:00	11,200	75,403,440	5.7	0.04
1/28/2021 0:15	11,200	75,403,440	5.7	0.01
1/28/2021 0:30	11,300	76,076,685	5.71	0.02
1/28/2021 0:45	11,300	76,076,685	5.71	0.04
1/28/2021 1:00	11,300	76,076,685	5.73	0.02
1/28/2021 1:15	11,400	76,749,930	5.74	0.02
1/28/2021 1:30	11,400	76,749,930	5.76	0.02
1/28/2021 1:45	11,500	77,423,175	5.77	0.03
1/28/2021 2:00	11,500	77,423,175	5.78	0.01
1/28/2021 2:15	11,500	77,423,175	5.78	0.04
1/28/2021 2:30	11,600	78,096,420	5.81	0
1/28/2021 2:45	11,700	78,769,665	5.83	0.03

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/28/2021 3:00	11,700	78,769,665	5.85	0.03
1/28/2021 3:15	11,800	79,442,910	5.86	0.05
1/28/2021 3:30	11,800	79,442,910	5.87	0.03
1/28/2021 3:45	11,900	80,116,155	5.89	0.02
1/28/2021 4:00	11,900	80,116,155	5.89	0
1/28/2021 4:15	12,000	80,789,400	5.92	0.01
1/28/2021 4:30	12,000	80,789,400	5.94	0.01
1/28/2021 4:45	12,100	81,462,645	5.95	0
1/28/2021 5:00	12,100	81,462,645	5.96	0.01
1/28/2021 5:15	12,200	82,135,890	5.99	0.01
1/28/2021 5:30	12,200	82,135,890	6	0.01
1/28/2021 5:45	12,300	82,809,135	6.01	0
1/28/2021 6:00	12,300	82,809,135	6.03	0
1/28/2021 6:15	12,400	83,482,380	6.06	0
1/28/2021 6:30	12,500	84,155,625	6.07	0
1/28/2021 6:45	12,500	84,155,625	6.09	0
1/28/2021 7:00	12,600	84,828,870	6.11	0
1/28/2021 7:15	12,600	84,828,870	6.12	0
1/28/2021 7:30	12,700	85,502,115	6.15	0
1/28/2021 7:45	12,800	86,175,360	6.17	0
1/28/2021 8:00	12,900	86,848,605	6.18	0
1/28/2021 8:15	12,900	86,848,605	6.2	0
1/28/2021 8:30	13,000	87,521,850	6.23	0
1/28/2021 8:45	13,100	88,195,095	6.24	0
1/28/2021 9:00	13,100	88,195,095	6.26	0
1/28/2021 9:15	13,200	88,868,340	6.28	0
1/28/2021 9:30	13,300	89,541,585	6.3	0
1/28/2021 9:45	13,300	89,541,585	6.31	0
1/28/2021 10:00	13,400	90,214,830	6.34	0
1/28/2021 10:15	13,400	90,214,830	6.34	0
1/28/2021 10:30	13,500	90,888,075	6.36	0
1/28/2021 10:45	13,500	90,888,075	6.38	0
1/28/2021 11:00	13,700	92,234,565	6.42	0
1/28/2021 11:15	13,700	92,234,565	6.42	0
1/28/2021 11:30	13,700	92,234,565	6.44	0
1/28/2021 11:45	13,800	92,907,810	6.47	0
1/28/2021 12:00	13,800	92,907,810	6.48	0
1/28/2021 12:15	13,800	92,907,810	6.5	0
1/28/2021 12:30	13,900	93,581,055	6.52	0
1/28/2021 12:45	13,900	93,581,055	6.53	0
1/28/2021 13:00	13,800	92,907,810	6.55	0
1/28/2021 13:15	14,000	94,254,300	6.58	0
1/28/2021 13:30	13,900	93,581,055	6.6	0
1/28/2021 13:45	13,900	93,581,055	6.62	0
1/28/2021 14:00	13,700	92,234,565	6.61	0
1/28/2021 14:15	13,800	92,907,810	6.64	0
1/28/2021 14:30	13,800	92,907,810	6.67	0
1/28/2021 14:45	13,800	92,907,810	6.69	0
1/28/2021 15:00	13,600	91,561,320	6.68	0
1/28/2021 15:15	13,600	91,561,320	6.7	0
1/28/2021 15:30	13,600	91,561,320	6.74	0

TABLE B10-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
1/28/2021 15:45	13,600	91,561,320	6.75	0
1/28/2021 16:00	13,600	91,561,320	6.78	0
1/28/2021 16:15	13,500	90,888,075	6.79	0
1/28/2021 16:30	13,500	90,888,075	6.82	0
1/28/2021 16:45	13,300	89,541,585	6.82	0
1/28/2021 17:00	13,600	91,561,320	6.88	0
1/28/2021 17:15	13,500	90,888,075	6.89	0
1/28/2021 17:30	13,400	90,214,830	6.9	0
1/28/2021 17:45	13,300	89,541,585	6.91	0
1/28/2021 18:00	13,400	90,214,830	6.95	0
1/28/2021 18:15	13,500	90,888,075	6.98	0
1/28/2021 18:30	13,600	91,561,320	7.01	0
1/28/2021 18:45	13,400	90,214,830	7.02	0
1/28/2021 19:00	13,600	91,561,320	7.05	0
1/28/2021 19:15	13,500	90,888,075	7.07	0
1/28/2021 19:30	13,500	90,888,075	7.1	0
1/28/2021 19:45	13,600	91,561,320	7.13	0
1/28/2021 20:00	13,600	91,561,320	7.16	0
1/28/2021 20:15	13,600	91,561,320	7.19	0
1/28/2021 20:30	13,700	92,234,565	7.22	0
1/28/2021 20:45	13,700	92,234,565	7.25	0
1/28/2021 21:00	13,800	92,907,810	7.29	0
1/28/2021 21:15	13,700	92,234,565	7.32	0
1/28/2021 21:30	13,800	92,907,810	7.36	0
1/28/2021 21:45	13,900	93,581,055	7.39	0
1/28/2021 22:00	14,000	94,254,300	7.44	0
1/28/2021 22:15	14,100	94,927,545	7.48	0
1/28/2021 22:30	14,000	94,254,300	7.5	0
1/28/2021 22:45	14,000	94,254,300	7.53	0
1/28/2021 23:00	14,200	95,600,790	7.59	0
1/28/2021 23:15	14,300	96,274,035	7.62	0
1/28/2021 23:30	14,300	96,274,035	7.65	0
1/28/2021 23:45	14,300	96,274,035	7.68	0

Notes

Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).

1 - The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as zero inches.

ft³/sec - cubic feet per second

ft - feet

gal - gallons

in - inches

USGS - United States Geological Survey

TABLE B10-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
2/24/2021 0:00	16,600	111,758,670	10.82	0
2/24/2021 0:15	16,700	112,431,915	10.83	0
2/24/2021 0:30	16,700	112,431,915	10.82	0
2/24/2021 0:45	16,600	111,758,670	10.81	0
2/24/2021 1:00	16,600	111,758,670	10.8	0
2/24/2021 1:15	16,600	111,758,670	10.79	0
2/24/2021 1:30	16,600	111,758,670	10.78	0
2/24/2021 1:45	16,700	112,431,915	10.78	0
2/24/2021 2:00	16,700	112,431,915	10.77	0
2/24/2021 2:15	16,600	111,758,670	10.75	0
2/24/2021 2:30	16,700	112,431,915	10.75	0
2/24/2021 2:45	16,700	112,431,915	10.75	0
2/24/2021 3:00	16,600	111,758,670	10.73	0
2/24/2021 3:15	16,700	112,431,915	10.73	0
2/24/2021 3:30	16,700	112,431,915	10.72	0
2/24/2021 3:45	16,600	111,758,670	10.71	0
2/24/2021 4:00	16,700	112,431,915	10.71	0
2/24/2021 4:15	16,700	112,431,915	10.71	0
2/24/2021 4:30	16,600	111,758,670	10.69	0
2/24/2021 4:45	16,700	112,431,915	10.7	0
2/24/2021 5:00	16,700	112,431,915	10.69	0
2/24/2021 5:15	16,700	112,431,915	10.69	0
2/24/2021 5:30	16,700	112,431,915	10.68	0
2/24/2021 5:45	16,600	111,758,670	10.67	0
2/24/2021 6:00	16,800	113,105,160	10.68	0
2/24/2021 6:15	16,700	112,431,915	10.67	0
2/24/2021 6:30	16,800	113,105,160	10.67	0
2/24/2021 6:45	16,800	113,105,160	10.67	0
2/24/2021 7:00	16,800	113,105,160	10.66	0
2/24/2021 7:15	16,700	112,431,915	10.66	0
2/24/2021 7:30	16,800	113,105,160	10.66	0
2/24/2021 7:45	16,800	113,105,160	10.66	0
2/24/2021 8:00	16,700	112,431,915	10.65	0
2/24/2021 8:15	16,800	113,105,160	10.66	0
2/24/2021 8:30	16,800	113,105,160	10.65	0
2/24/2021 8:45	16,800	113,105,160	10.64	0
2/24/2021 9:00	16,800	113,105,160	10.63	0
2/24/2021 9:15	16,700	112,431,915	10.63	0
2/24/2021 9:30	16,900	113,778,405	10.65	0
2/24/2021 9:45	16,900	113,778,405	10.65	0
2/24/2021 10:00	16,900	113,778,405	10.65	0
2/24/2021 10:15	16,900	113,778,405	10.65	0
2/24/2021 10:30	16,800	113,105,160	10.63	0
2/24/2021 10:45	16,800	113,105,160	10.63	0
2/24/2021 11:00	16,900	113,778,405	10.65	0
2/24/2021 11:15	16,900	113,778,405	10.65	0
2/24/2021 11:30	17,000	114,451,650	10.66	0
2/24/2021 11:45	17,000	114,451,650	10.66	0
2/24/2021 12:00	17,000	114,451,650	10.65	0
2/24/2021 12:15	17,000	114,451,650	10.65	0
2/24/2021 12:30	16,900	113,778,405	10.64	0

TABLE B10-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
2/24/2021 12:45	16,900	113,778,405	10.64	0
2/24/2021 13:00	17,000	114,451,650	10.65	0
2/24/2021 13:15	17,000	114,451,650	10.65	0
2/24/2021 13:30	16,900	113,778,405	10.62	0
2/24/2021 13:45	16,800	113,105,160	10.61	0
2/24/2021 14:00	16,900	113,778,405	10.62	0
2/24/2021 14:15	17,000	114,451,650	10.65	0
2/24/2021 14:30	16,900	113,778,405	10.62	0
2/24/2021 14:45	16,800	113,105,160	10.61	0
2/24/2021 15:00	16,900	113,778,405	10.62	0
2/24/2021 15:15	16,900	113,778,405	10.62	0
2/24/2021 15:30	16,900	113,778,405	10.62	0
2/24/2021 15:45	16,800	113,105,160	10.6	0
2/24/2021 16:00	16,900	113,778,405	10.61	0
2/24/2021 16:15	16,900	113,778,405	10.61	0
2/24/2021 16:30	16,900	113,778,405	10.6	0
2/24/2021 16:45	17,000	114,451,650	10.61	0
2/24/2021 17:00	16,900	113,778,405	10.6	0
2/24/2021 17:15	16,900	113,778,405	10.58	0
2/24/2021 17:30	16,900	113,778,405	10.59	0
2/24/2021 17:45	16,900	113,778,405	10.58	0
2/24/2021 18:00	16,900	113,778,405	10.58	0
2/24/2021 18:15	16,800	113,105,160	10.57	0
2/24/2021 18:30	16,800	113,105,160	10.55	0
2/24/2021 18:45	16,800	113,105,160	10.55	0
2/24/2021 19:00	16,800	113,105,160	10.54	0
2/24/2021 19:15	16,900	113,778,405	10.54	0
2/24/2021 19:30	16,800	113,105,160	10.53	0
2/24/2021 19:45	16,700	112,431,915	10.52	0
2/24/2021 20:00	16,800	113,105,160	10.52	0
2/24/2021 20:15	16,700	112,431,915	10.5	0
2/24/2021 20:30	16,800	113,105,160	10.51	0
2/24/2021 20:45	16,700	112,431,915	10.49	0
2/24/2021 21:00	16,800	113,105,160	10.49	0
2/24/2021 21:15	16,800	113,105,160	10.49	0
2/24/2021 21:30	16,600	111,758,670	10.46	0
2/24/2021 21:45	16,700	112,431,915	10.47	0
2/24/2021 22:00	16,700	112,431,915	10.46	0
2/24/2021 22:15	16,700	112,431,915	10.45	0
2/24/2021 22:30	16,700	112,431,915	10.44	0
2/24/2021 22:45	16,700	112,431,915	10.43	0
2/24/2021 23:00	16,700	112,431,915	10.43	0
2/24/2021 23:15	16,700	112,431,915	10.42	0
2/24/2021 23:30	16,600	111,758,670	10.41	0
2/24/2021 23:45	16,600	111,758,670	10.39	0
2/25/2021 0:00	16,600	111,758,670	10.38	0
2/25/2021 0:15	16,600	111,758,670	10.37	0
2/25/2021 0:30	16,700	112,431,915	10.38	0
2/25/2021 0:45	16,600	111,758,670	10.36	0
2/25/2021 1:00	16,500	111,085,425	10.35	0
2/25/2021 1:15	16,500	111,085,425	10.33	0

TABLE B10-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
2/25/2021 1:30	16,500	111,085,425	10.33	0
2/25/2021 1:45	16,500	111,085,425	10.32	0
2/25/2021 2:00	16,500	111,085,425	10.3	0
2/25/2021 2:15	16,500	111,085,425	10.29	0
2/25/2021 2:30	16,400	110,412,180	10.28	0
2/25/2021 2:45	16,400	110,412,180	10.27	0
2/25/2021 3:00	16,500	111,085,425	10.27	0
2/25/2021 3:15	16,500	111,085,425	10.27	0
2/25/2021 3:30	16,400	110,412,180	10.25	0
2/25/2021 3:45	16,400	110,412,180	10.24	0
2/25/2021 4:00	16,400	110,412,180	10.22	0
2/25/2021 4:15	16,400	110,412,180	10.22	0
2/25/2021 4:30	16,400	110,412,180	10.22	0
2/25/2021 4:45	16,400	110,412,180	10.2	0
2/25/2021 5:00	16,300	109,738,935	10.18	0
2/25/2021 5:15	16,300	109,738,935	10.18	0
2/25/2021 5:30	16,400	110,412,180	10.18	0
2/25/2021 5:45	16,300	109,738,935	10.16	0
2/25/2021 6:00	16,400	110,412,180	10.17	0
2/25/2021 6:15	16,300	109,738,935	10.15	0
2/25/2021 6:30	16,300	109,738,935	10.14	0
2/25/2021 6:45	16,200	109,065,690	10.12	0
2/25/2021 7:00	16,300	109,738,935	10.13	0
2/25/2021 7:15	16,300	109,738,935	10.11	0
2/25/2021 7:30	16,300	109,738,935	10.1	0
2/25/2021 7:45	16,300	109,738,935	10.1	0
2/25/2021 8:00	16,300	109,738,935	10.1	0
2/25/2021 8:15	16,200	109,065,690	10.08	0
2/25/2021 8:30	16,300	109,738,935	10.08	0
2/25/2021 8:45	16,100	108,392,445	10.05	0
2/25/2021 9:00	16,200	109,065,690	10.06	0
2/25/2021 9:15	16,300	109,738,935	10.07	0
2/25/2021 9:30	16,200	109,065,690	10.04	0
2/25/2021 9:45	16,200	109,065,690	10.03	0
2/25/2021 10:00	16,200	109,065,690	10.03	0
2/25/2021 10:15	16,100	108,392,445	10.01	0
2/25/2021 10:30	16,100	108,392,445	10.02	0
2/25/2021 10:45	16,200	109,065,690	10.02	0
2/25/2021 11:00	16,200	109,065,690	10.02	0
2/25/2021 11:15	16,100	108,392,445	9.99	0
2/25/2021 11:30	16,200	109,065,690	10	0
2/25/2021 11:45	16,100	108,392,445	9.98	0
2/25/2021 12:00	16,100	108,392,445	9.96	0
2/25/2021 12:15	16,100	108,392,445	9.96	0
2/25/2021 12:30	16,100	108,392,445	9.95	0
2/25/2021 12:45	16,100	108,392,445	9.95	0
2/25/2021 13:00	16,200	109,065,690	9.95	0
2/25/2021 13:15	16,100	108,392,445	9.94	0
2/25/2021 13:30	16,100	108,392,445	9.93	0
2/25/2021 13:45	16,100	108,392,445	9.92	0
2/25/2021 14:00	16,100	108,392,445	9.91	0

TABLE B10-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
2/25/2021 14:15	16,000	107,719,200	9.89	0
2/25/2021 14:30	16,000	107,719,200	9.89	0
2/25/2021 14:45	16,000	107,719,200	9.88	0
2/25/2021 15:00	16,000	107,719,200	9.88	0
2/25/2021 15:15	16,000	107,719,200	9.86	0
2/25/2021 15:30	16,000	107,719,200	9.87	0
2/25/2021 15:45	16,000	107,719,200	9.85	0
2/25/2021 16:00	15,900	107,045,955	9.82	0
2/25/2021 16:15	16,000	107,719,200	9.83	0
2/25/2021 16:30	15,900	107,045,955	9.82	0
2/25/2021 16:45	15,900	107,045,955	9.81	0
2/25/2021 17:00	16,000	107,719,200	9.81	0
2/25/2021 17:15	15,900	107,045,955	9.79	0
2/25/2021 17:30	15,900	107,045,955	9.78	0
2/25/2021 17:45	15,800	106,372,710	9.76	0
2/25/2021 18:00	15,800	106,372,710	9.76	0
2/25/2021 18:15	15,900	107,045,955	9.76	0
2/25/2021 18:30	15,800	106,372,710	9.73	0
2/25/2021 18:45	15,700	105,699,465	9.72	0
2/25/2021 19:00	15,800	106,372,710	9.72	0
2/25/2021 19:15	15,800	106,372,710	9.72	0
2/25/2021 19:30	15,800	106,372,710	9.7	0
2/25/2021 19:45	15,700	105,699,465	9.68	0
2/25/2021 20:00	15,700	105,699,465	9.68	0
2/25/2021 20:15	15,700	105,699,465	9.67	0
2/25/2021 20:30	15,700	105,699,465	9.66	0
2/25/2021 20:45	15,800	106,372,710	9.66	0
2/25/2021 21:00	15,600	105,026,220	9.62	0
2/25/2021 21:15	15,700	105,699,465	9.62	0
2/25/2021 21:30	15,600	105,026,220	9.6	0
2/25/2021 21:45	15,600	105,026,220	9.6	0
2/25/2021 22:00	15,600	105,026,220	9.59	0
2/25/2021 22:15	15,600	105,026,220	9.57	0
2/25/2021 22:30	15,500	104,352,975	9.55	0
2/25/2021 22:45	15,500	104,352,975	9.55	0
2/25/2021 23:00	15,500	104,352,975	9.53	0
2/25/2021 23:15	15,500	104,352,975	9.53	0
2/25/2021 23:30	15,500	104,352,975	9.52	0
2/25/2021 23:45	15,500	104,352,975	9.5	0

Notes

Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).

1 - The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as zero inches.

ft³/sec - cubic feet per second

ft - feet

gal - gallons

in - inches

USGS - United States Geological Survey

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/29/2021 0:00	13,300	89,541,585	6.9	0
3/29/2021 0:15	13,100	88,195,095	6.9	0
3/29/2021 0:30	13,100	88,195,095	6.93	0
3/29/2021 0:45	13,300	89,541,585	6.95	0
3/29/2021 1:00	13,200	88,868,340	6.96	0
3/29/2021 1:15	13,200	88,868,340	6.98	0
3/29/2021 1:30	13,200	88,868,340	6.99	0
3/29/2021 1:45	13,300	89,541,585	7.03	0
3/29/2021 2:00	13,300	89,541,585	7.04	0
3/29/2021 2:15	13,300	89,541,585	7.06	0
3/29/2021 2:30	13,200	88,868,340	7.07	0
3/29/2021 2:45	13,300	89,541,585	7.1	0
3/29/2021 3:00	13,300	89,541,585	7.12	0
3/29/2021 3:15	13,300	89,541,585	7.13	0
3/29/2021 3:30	13,500	90,888,075	7.17	0
3/29/2021 3:45	13,400	90,214,830	7.19	0
3/29/2021 4:00	13,500	90,888,075	7.23	0
3/29/2021 4:15	13,500	90,888,075	7.23	0
3/29/2021 4:30	13,600	91,561,320	7.26	0
3/29/2021 4:45	13,600	91,561,320	7.27	0
3/29/2021 5:00	13,700	92,234,565	7.31	0
3/29/2021 5:15	13,900	93,581,055	7.35	0
3/29/2021 5:30	13,800	92,907,810	7.36	0
3/29/2021 5:45	13,800	92,907,810	7.39	0
3/29/2021 6:00	13,900	93,581,055	7.41	0
3/29/2021 6:15	13,900	93,581,055	7.43	0
3/29/2021 6:30	14,000	94,254,300	7.46	0
3/29/2021 6:45	14,000	94,254,300	7.48	0
3/29/2021 7:00	14,000	94,254,300	7.51	0
3/29/2021 7:15	13,900	93,581,055	7.51	0
3/29/2021 7:30	13,900	93,581,055	7.54	0
3/29/2021 7:45	14,000	94,254,300	7.58	0
3/29/2021 8:00	14,000	94,254,300	7.6	0
3/29/2021 8:15	14,000	94,254,300	7.63	0
3/29/2021 8:30	13,900	93,581,055	7.64	0
3/29/2021 8:45	14,100	94,927,545	7.69	0
3/29/2021 9:00	14,000	94,254,300	7.7	0
3/29/2021 9:15	14,000	94,254,300	7.72	0
3/29/2021 9:30	14,000	94,254,300	7.74	0
3/29/2021 9:45	14,100	94,927,545	7.78	0
3/29/2021 10:00	14,200	95,600,790	7.81	0
3/29/2021 10:15	14,200	95,600,790	7.84	0
3/29/2021 10:30	14,300	96,274,035	7.87	0
3/29/2021 10:45	14,300	96,274,035	7.89	0
3/29/2021 11:00	14,300	96,274,035	7.91	0
3/29/2021 11:15	14,300	96,274,035	7.93	0
3/29/2021 11:30	14,400	96,947,280	7.96	0
3/29/2021 11:45	14,500	97,620,525	7.99	0
3/29/2021 12:00	14,400	96,947,280	8	0
3/29/2021 12:15	14,500	97,620,525	8.04	0
3/29/2021 12:30	14,500	97,620,525	8.06	0

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/29/2021 12:45	14,700	98,967,015	8.09	0
3/29/2021 13:00	14,500	97,620,525	8.09	0
3/29/2021 13:15	14,700	98,967,015	8.13	0
3/29/2021 13:30	14,700	98,967,015	8.16	0
3/29/2021 13:45	14,700	98,967,015	8.17	0
3/29/2021 14:00	14,700	98,967,015	8.19	0
3/29/2021 14:15	14,800	99,640,260	8.22	0
3/29/2021 14:30	14,800	99,640,260	8.23	0
3/29/2021 14:45	14,900	100,313,505	8.26	0
3/29/2021 15:00	14,900	100,313,505	8.29	0
3/29/2021 15:15	14,900	100,313,505	8.3	0
3/29/2021 15:30	15,000	100,986,750	8.33	0
3/29/2021 15:45	15,000	100,986,750	8.34	0
3/29/2021 16:00	14,900	100,313,505	8.35	0
3/29/2021 16:15	15,000	100,986,750	8.38	0
3/29/2021 16:30	15,000	100,986,750	8.4	0
3/29/2021 16:45	15,000	100,986,750	8.41	0
3/29/2021 17:00	15,000	100,986,750	8.42	0
3/29/2021 17:15	15,100	101,659,995	8.45	0
3/29/2021 17:30	15,100	101,659,995	8.47	0
3/29/2021 17:45	15,100	101,659,995	8.47	0
3/29/2021 18:00	15,200	102,333,240	8.5	0
3/29/2021 18:15	15,200	102,333,240	8.52	0
3/29/2021 18:30	15,200	102,333,240	8.52	0
3/29/2021 18:45	15,200	102,333,240	8.53	0
3/29/2021 19:00	15,200	102,333,240	8.55	0
3/29/2021 19:15	15,300	103,006,485	8.57	0
3/29/2021 19:30	15,300	103,006,485	8.58	0
3/29/2021 19:45	15,300	103,006,485	8.59	0
3/29/2021 20:00	15,300	103,006,485	8.6	0
3/29/2021 20:15	15,300	103,006,485	8.62	0
3/29/2021 20:30	15,300	103,006,485	8.62	0
3/29/2021 20:45	15,400	103,679,730	8.64	0
3/29/2021 21:00	15,300	103,006,485	8.63	0
3/29/2021 21:15	15,400	103,679,730	8.64	0
3/29/2021 21:30	15,400	103,679,730	8.66	0
3/29/2021 21:45	15,500	104,352,975	8.66	0
3/29/2021 22:00	15,500	104,352,975	8.67	0
3/29/2021 22:15	15,500	104,352,975	8.68	0
3/29/2021 22:30	15,500	104,352,975	8.7	0
3/29/2021 22:45	15,500	104,352,975	8.7	0
3/29/2021 23:00	15,500	104,352,975	8.7	0
3/29/2021 23:15	15,500	104,352,975	8.71	0
3/29/2021 23:30	15,400	103,679,730	8.71	0
3/29/2021 23:45	15,400	103,679,730	8.72	0
3/30/2021 0:00	15,300	103,006,485	8.73	0
3/30/2021 0:15	15,200	102,333,240	8.72	0
3/30/2021 0:30	15,200	102,333,240	8.73	0
3/30/2021 0:45	15,200	102,333,240	8.74	0
3/30/2021 1:00	15,200	102,333,240	8.73	0
3/30/2021 1:15	15,200	102,333,240	8.73	0

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/30/2021 1:30	15,100	101,659,995	8.73	0
3/30/2021 1:45	15,200	102,333,240	8.75	0
3/30/2021 2:00	15,200	102,333,240	8.74	0
3/30/2021 2:15	15,200	102,333,240	8.75	0
3/30/2021 2:30	15,200	102,333,240	8.75	0
3/30/2021 2:45	15,100	101,659,995	8.74	0
3/30/2021 3:00	15,100	101,659,995	8.74	0
3/30/2021 3:15	15,100	101,659,995	8.74	0
3/30/2021 3:30	15,100	101,659,995	8.75	0
3/30/2021 3:45	15,100	101,659,995	8.74	0
3/30/2021 4:00	15,100	101,659,995	8.74	0
3/30/2021 4:15	15,100	101,659,995	8.75	0
3/30/2021 4:30	15,100	101,659,995	8.76	0
3/30/2021 4:45	15,100	101,659,995	8.75	0
3/30/2021 5:00	15,100	101,659,995	8.76	0
3/30/2021 5:15	15,100	101,659,995	8.77	0
3/30/2021 5:30	15,100	101,659,995	8.78	0
3/30/2021 5:45	15,100	101,659,995	8.78	0
3/30/2021 6:00	15,200	102,333,240	8.79	0
3/30/2021 6:15	15,100	101,659,995	8.79	0
3/30/2021 6:30	15,200	102,333,240	8.8	0
3/30/2021 6:45	15,200	102,333,240	8.82	0
3/30/2021 7:00	15,200	102,333,240	8.82	0
3/30/2021 7:15	15,200	102,333,240	8.84	0
3/30/2021 7:30	15,300	103,006,485	8.85	0
3/30/2021 7:45	15,200	102,333,240	8.85	0
3/30/2021 8:00	15,300	103,006,485	8.88	0
3/30/2021 8:15	15,300	103,006,485	8.89	0
3/30/2021 8:30	15,300	103,006,485	8.9	0
3/30/2021 8:45	15,400	103,679,730	8.92	0
3/30/2021 9:00	15,400	103,679,730	8.93	0
3/30/2021 9:15	15,400	103,679,730	8.95	0
3/30/2021 9:30	15,500	104,352,975	8.98	0
3/30/2021 9:45	15,500	104,352,975	8.98	0
3/30/2021 10:00	15,600	105,026,220	9.01	0
3/30/2021 10:15	15,600	105,026,220	9.04	0
3/30/2021 10:30	15,600	105,026,220	9.06	0
3/30/2021 10:45	15,700	105,699,465	9.08	0
3/30/2021 11:00	15,800	106,372,710	9.11	0
3/30/2021 11:15	15,800	106,372,710	9.13	0
3/30/2021 11:30	15,900	107,045,955	9.17	0
3/30/2021 11:45	15,900	107,045,955	9.18	0
3/30/2021 12:00	15,900	107,045,955	9.21	0
3/30/2021 12:15	15,900	107,045,955	9.22	0
3/30/2021 12:30	16,000	107,719,200	9.26	0
3/30/2021 12:45	16,000	107,719,200	9.28	0
3/30/2021 13:00	16,000	107,719,200	9.3	0
3/30/2021 13:15	16,100	108,392,445	9.33	0
3/30/2021 13:30	16,200	109,065,690	9.36	0
3/30/2021 13:45	16,200	109,065,690	9.39	0
3/30/2021 14:00	16,200	109,065,690	9.41	0

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/30/2021 14:15	16,300	109,738,935	9.44	0
3/30/2021 14:30	16,300	109,738,935	9.46	0
3/30/2021 14:45	16,300	109,738,935	9.48	0
3/30/2021 15:00	16,400	110,412,180	9.51	0
3/30/2021 15:15	16,400	110,412,180	9.53	0
3/30/2021 15:30	16,500	111,085,425	9.57	0
3/30/2021 15:45	16,500	111,085,425	9.58	0
3/30/2021 16:00	16,500	111,085,425	9.61	0
3/30/2021 16:15	16,500	111,085,425	9.62	0
3/30/2021 16:30	16,600	111,758,670	9.65	0
3/30/2021 16:45	16,600	111,758,670	9.68	0
3/30/2021 17:00	16,600	111,758,670	9.68	0
3/30/2021 17:15	16,600	111,758,670	9.72	0
3/30/2021 17:30	16,700	112,431,915	9.74	0
3/30/2021 17:45	16,700	112,431,915	9.76	0
3/30/2021 18:00	16,700	112,431,915	9.78	0
3/30/2021 18:15	16,700	112,431,915	9.79	0
3/30/2021 18:30	16,800	113,105,160	9.82	0
3/30/2021 18:45	16,900	113,778,405	9.85	0
3/30/2021 19:00	16,800	113,105,160	9.86	0
3/30/2021 19:15	16,900	113,778,405	9.88	0
3/30/2021 19:30	16,900	113,778,405	9.89	0
3/30/2021 19:45	17,000	114,451,650	9.93	0
3/30/2021 20:00	16,900	113,778,405	9.93	0
3/30/2021 20:15	16,900	113,778,405	9.94	0
3/30/2021 20:30	16,900	113,778,405	9.95	0
3/30/2021 20:45	17,000	114,451,650	9.98	0
3/30/2021 21:00	17,000	114,451,650	9.99	0
3/30/2021 21:15	17,000	114,451,650	10	0
3/30/2021 21:30	17,000	114,451,650	10.02	0
3/30/2021 21:45	17,100	115,124,895	10.03	0
3/30/2021 22:00	17,000	114,451,650	10.04	0
3/30/2021 22:15	17,000	114,451,650	10.04	0
3/30/2021 22:30	17,000	114,451,650	10.05	0
3/30/2021 22:45	17,100	115,124,895	10.08	0
3/30/2021 23:00	17,100	115,124,895	10.07	0
3/30/2021 23:15	17,100	115,124,895	10.09	0
3/30/2021 23:30	17,200	115,798,140	10.11	0
3/30/2021 23:45	17,200	115,798,140	10.11	0
3/31/2021 0:00	17,300	116,471,385	10.13	0
3/31/2021 0:15	17,200	115,798,140	10.13	0
3/31/2021 0:30	17,200	115,798,140	10.14	0
3/31/2021 0:45	17,200	115,798,140	10.13	0
3/31/2021 1:00	17,200	115,798,140	10.14	0
3/31/2021 1:15	17,200	115,798,140	10.15	0
3/31/2021 1:30	17,200	115,798,140	10.15	0
3/31/2021 1:45	17,300	116,471,385	10.16	0
3/31/2021 2:00	17,200	115,798,140	10.15	0
3/31/2021 2:15	17,100	115,124,895	10.16	0
3/31/2021 2:30	17,200	115,798,140	10.17	0
3/31/2021 2:45	17,200	115,798,140	10.17	0

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/31/2021 3:00	17,200	115,798,140	10.17	0
3/31/2021 3:15	17,100	115,124,895	10.17	0
3/31/2021 3:30	17,200	115,798,140	10.18	0
3/31/2021 3:45	17,100	115,124,895	10.17	0
3/31/2021 4:00	17,200	115,798,140	10.18	0
3/31/2021 4:15	17,100	115,124,895	10.17	0
3/31/2021 4:30	17,100	115,124,895	10.17	0
3/31/2021 4:45	17,100	115,124,895	10.17	0
3/31/2021 5:00	17,200	115,798,140	10.18	0
3/31/2021 5:15	17,100	115,124,895	10.18	0
3/31/2021 5:30	17,100	115,124,895	10.17	0
3/31/2021 5:45	17,000	114,451,650	10.16	0
3/31/2021 6:00	17,000	114,451,650	10.16	0
3/31/2021 6:15	17,100	115,124,895	10.16	0
3/31/2021 6:30	17,100	115,124,895	10.15	0
3/31/2021 6:45	17,100	115,124,895	10.15	0
3/31/2021 7:00	17,100	115,124,895	10.16	0
3/31/2021 7:15	17,100	115,124,895	10.15	0
3/31/2021 7:30	17,100	115,124,895	10.14	0
3/31/2021 7:45	17,000	114,451,650	10.13	0
3/31/2021 8:00	17,100	115,124,895	10.14	0
3/31/2021 8:15	17,100	115,124,895	10.14	0
3/31/2021 8:30	17,000	114,451,650	10.13	0
3/31/2021 8:45	17,000	114,451,650	10.12	0
3/31/2021 9:00	17,000	114,451,650	10.13	0
3/31/2021 9:15	16,900	113,778,405	10.11	0
3/31/2021 9:30	16,900	113,778,405	10.1	0
3/31/2021 9:45	16,800	113,105,160	10.09	0
3/31/2021 10:00	16,900	113,778,405	10.1	0
3/31/2021 10:15	16,800	113,105,160	10.09	0
3/31/2021 10:30	16,700	112,431,915	10.08	0
3/31/2021 10:45	16,700	112,431,915	10.07	0
3/31/2021 11:00	16,700	112,431,915	10.06	0
3/31/2021 11:15	16,700	112,431,915	10.06	0
3/31/2021 11:30	16,600	111,758,670	10.04	0
3/31/2021 11:45	16,500	111,085,425	10.03	0
3/31/2021 12:00	16,500	111,085,425	10.02	0
3/31/2021 12:15	16,600	111,758,670	10.04	0
3/31/2021 12:30	16,600	111,758,670	10.02	0
3/31/2021 12:45	16,600	111,758,670	10.02	0
3/31/2021 13:00	16,600	111,758,670	10.02	0
3/31/2021 13:15	16,500	111,085,425	10	0
3/31/2021 13:30	16,500	111,085,425	9.99	0
3/31/2021 13:45	16,500	111,085,425	9.98	0
3/31/2021 14:00	16,500	111,085,425	9.98	0
3/31/2021 14:15	16,500	111,085,425	9.98	0
3/31/2021 14:30	16,500	111,085,425	9.96	0
3/31/2021 14:45	16,400	110,412,180	9.94	0
3/31/2021 15:00	16,400	110,412,180	9.93	0
3/31/2021 15:15	16,400	110,412,180	9.94	0
3/31/2021 15:30	16,400	110,412,180	9.93	0

TABLE B10-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft³/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)¹
3/31/2021 15:45	16,300	109,738,935	9.91	0.03
3/31/2021 16:00	16,300	109,738,935	9.9	0
3/31/2021 16:15	16,300	109,738,935	9.88	0
3/31/2021 16:30	16,400	110,412,180	9.9	0
3/31/2021 16:45	16,300	109,738,935	9.89	0
3/31/2021 17:00	16,300	109,738,935	9.87	0
3/31/2021 17:15	16,300	109,738,935	9.87	0.04
3/31/2021 17:30	16,300	109,738,935	9.87	0.11
3/31/2021 17:45	16,300	109,738,935	9.87	0
3/31/2021 18:00	16,300	109,738,935	9.87	0
3/31/2021 18:15	16,300	109,738,935	9.86	0
3/31/2021 18:30	16,300	109,738,935	9.86	0
3/31/2021 18:45	16,200	109,065,690	9.83	0
3/31/2021 19:00	16,200	109,065,690	9.82	0.01
3/31/2021 19:15	16,200	109,065,690	9.83	0
3/31/2021 19:30	16,200	109,065,690	9.82	0
3/31/2021 19:45	16,200	109,065,690	9.81	0
3/31/2021 20:00	16,200	109,065,690	9.8	0.01
3/31/2021 20:15	16,200	109,065,690	9.8	0
3/31/2021 20:30	16,100	108,392,445	9.78	0
3/31/2021 20:45	16,200	109,065,690	9.78	0.03
3/31/2021 21:00	16,100	108,392,445	9.77	0.02
3/31/2021 21:15	16,100	108,392,445	9.76	0
3/31/2021 21:30	16,200	109,065,690	9.78	0
3/31/2021 21:45	16,100	108,392,445	9.75	0.02
3/31/2021 22:00	16,100	108,392,445	9.76	0.02
3/31/2021 22:15	16,100	108,392,445	9.76	0
3/31/2021 22:30	16,100	108,392,445	9.74	0.01
3/31/2021 22:45	16,000	107,719,200	9.74	0
3/31/2021 23:00	16,000	107,719,200	9.73	0
3/31/2021 23:15	16,000	107,719,200	9.73	0
3/31/2021 23:30	16,000	107,719,200	9.72	0
3/31/2021 23:45	16,000	107,719,200	9.71	0

Notes

Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).

1 - The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as zero inches.

ft³/sec - cubic feet per second

ft - feet

gal - gallons

in - inches

USGS - United States Geological Survey

TABLE B11-1
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft³/sec)	Flow Volume (gal)
1/28/2021 0:00	9,030	60,794,023
1/28/2021 0:15	9,140	61,534,593
1/28/2021 0:30	9,170	61,736,566
1/28/2021 0:45	9,170	61,736,566
1/28/2021 1:00	9,280	62,477,136
1/28/2021 1:15	9,280	62,477,136
1/28/2021 1:30	9,320	62,746,434
1/28/2021 1:45	9,280	62,477,136
1/28/2021 2:00	9,390	63,217,705
1/28/2021 2:15	9,420	63,419,679
1/28/2021 2:30	9,460	63,688,977
1/28/2021 2:45	9,420	63,419,679
1/28/2021 3:00	9,530	64,160,248
1/28/2021 3:15	9,570	64,429,547
1/28/2021 3:30	9,640	64,900,818
1/28/2021 3:45	9,720	65,439,414
1/28/2021 4:00	9,750	65,641,388
1/28/2021 4:15	9,830	66,179,983
1/28/2021 4:30	9,750	65,641,387
1/28/2021 4:45	9,900	66,651,255
1/28/2021 5:00	9,830	66,179,983
1/28/2021 5:15	9,900	66,651,255
1/28/2021 5:30	9,940	66,920,553
1/28/2021 5:45	9,940	66,920,553
1/28/2021 6:00	10,000	67,324,500
1/28/2021 6:15	9,980	67,189,851
1/28/2021 6:30	10,100	67,997,745
1/28/2021 6:45	10,100	67,997,745
1/28/2021 7:00	10,100	67,997,745
1/28/2021 7:15	10,200	68,670,990
1/28/2021 7:30	10,200	68,670,990
1/28/2021 7:45	10,300	69,344,235
1/28/2021 8:00	10,300	69,344,235
1/28/2021 8:15	10,300	69,344,235
1/28/2021 8:30	10,300	69,344,235
1/28/2021 8:45	10,500	70,690,725
1/28/2021 9:00	10,500	70,690,725
1/28/2021 9:15	10,400	70,017,480
1/28/2021 9:30	10,500	70,690,725
1/28/2021 9:45	10,500	70,690,725
1/28/2021 10:00	10,500	70,690,725
1/28/2021 10:15	10,600	71,363,970
1/28/2021 10:30	10,700	72,037,215
1/28/2021 10:45	10,700	72,037,215
1/28/2021 11:00	10,700	72,037,215
1/28/2021 11:15	10,700	72,037,215
1/28/2021 11:30	10,800	72,710,460
1/28/2021 11:45	10,800	72,710,460
1/28/2021 12:00	10,900	73,383,705
1/28/2021 12:15	10,800	72,710,460
1/28/2021 12:30	10,900	73,383,705
1/28/2021 12:45	11,000	74,056,950
1/28/2021 13:00	10,900	73,383,705

TABLE B11-1
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (January)
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft³/sec)	Flow Volume (gal)
1/28/2021 13:15	11,100	74,730,195
1/28/2021 13:30	11,100	74,730,195
1/28/2021 13:45	11,000	74,056,950
1/28/2021 14:00	11,300	76,076,685
1/28/2021 14:15	11,200	75,403,440
1/28/2021 14:30	11,100	74,730,195
1/28/2021 14:45	11,200	75,403,440
1/28/2021 15:00	11,300	76,076,685
1/28/2021 15:15	11,300	76,076,685
1/28/2021 15:30	11,400	76,749,930
1/28/2021 15:45	11,400	76,749,930
1/28/2021 16:00	11,500	77,423,175
1/28/2021 16:15	11,500	77,423,175
1/28/2021 16:30	11,500	77,423,175
1/28/2021 16:45	11,500	77,423,175
1/28/2021 17:00	11,500	77,423,175
1/28/2021 17:15	11,600	78,096,420
1/28/2021 17:30	11,700	78,769,665
1/28/2021 17:45	11,700	78,769,665
1/28/2021 18:00	11,700	78,769,665
1/28/2021 18:15	11,800	79,442,910
1/28/2021 18:30	11,800	79,442,910
1/28/2021 18:45	11,800	79,442,910
1/28/2021 19:00	11,800	79,442,910
1/28/2021 19:15	11,900	80,116,155
1/28/2021 19:30	11,900	80,116,155
1/28/2021 19:45	11,900	80,116,155
1/28/2021 20:00	11,900	80,116,155
1/28/2021 20:15	12,000	80,789,400
1/28/2021 20:30	12,100	81,462,645
1/28/2021 20:45	12,000	80,789,400
1/28/2021 21:00	12,100	81,462,645
1/28/2021 21:15	12,100	81,462,645
1/28/2021 21:30	12,100	81,462,645
1/28/2021 21:45	12,100	81,462,645
1/28/2021 22:00	12,200	82,135,890
1/28/2021 22:15	12,200	82,135,890
1/28/2021 22:30	12,200	82,135,890
1/28/2021 22:45	12,300	82,809,135
1/28/2021 23:00	12,300	82,809,135
1/28/2021 23:15	12,400	83,482,380
1/28/2021 23:30	12,400	83,482,380
1/28/2021 23:45	12,400	83,482,380

Notes

Measurements are recorded from the USGS flow gauging station at Lock #1 near Kelly, ID 02105769 (USGS, 2021).

ft³/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

TABLE B11-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft³/sec)	Flow Volume (gal)
2/25/2021 0:00	21,800	146,767,410
2/25/2021 0:15	21,800	146,767,410
2/25/2021 0:30	21,800	146,767,410
2/25/2021 0:45	21,700	146,094,165
2/25/2021 1:00	21,700	146,094,165
2/25/2021 1:15	21,700	146,094,165
2/25/2021 1:30	21,700	146,094,165
2/25/2021 1:45	21,600	145,420,920
2/25/2021 2:00	21,500	144,747,675
2/25/2021 2:15	21,700	146,094,165
2/25/2021 2:30	21,500	144,747,675
2/25/2021 2:45	21,500	144,747,675
2/25/2021 3:00	21,500	144,747,675
2/25/2021 3:15	21,500	144,747,675
2/25/2021 3:30	21,500	144,747,675
2/25/2021 3:45	21,400	144,074,430
2/25/2021 4:00	21,500	144,747,675
2/25/2021 4:15	21,400	144,074,430
2/25/2021 4:30	21,400	144,074,430
2/25/2021 4:45	21,400	144,074,430
2/25/2021 5:00	21,300	143,401,185
2/25/2021 5:15	21,300	143,401,185
2/25/2021 5:30	21,300	143,401,185
2/25/2021 5:45	21,300	143,401,185
2/25/2021 6:00	21,300	143,401,185
2/25/2021 6:15	21,200	142,727,940
2/25/2021 6:30	21,200	142,727,940
2/25/2021 6:45	21,200	142,727,940
2/25/2021 7:00	21,100	142,054,695
2/25/2021 7:15	21,200	142,727,940
2/25/2021 7:30	21,200	142,727,940
2/25/2021 7:45	21,100	142,054,695
2/25/2021 8:00	21,100	142,054,695
2/25/2021 8:15	21,000	141,381,450
2/25/2021 8:30	21,000	141,381,450
2/25/2021 8:45	21,000	141,381,450
2/25/2021 9:00	21,000	141,381,450
2/25/2021 9:15	21,000	141,381,450
2/25/2021 9:30	20,900	140,708,205
2/25/2021 9:45	20,900	140,708,205
2/25/2021 10:00	20,900	140,708,205
2/25/2021 10:15	20,900	140,708,205
2/25/2021 10:30	20,800	140,034,960
2/25/2021 10:45	20,700	139,361,715
2/25/2021 11:00	20,900	140,708,205
2/25/2021 11:15	20,700	139,361,715
2/25/2021 11:30	20,700	139,361,715
2/25/2021 11:45	20,700	696,808,575 ¹
2/25/2021 13:00	20,600	138,688,470
2/25/2021 13:15	20,700	139,361,715
2/25/2021 13:30	20,600	138,688,470
2/25/2021 13:45	20,700	139,361,715
2/25/2021 14:00	20,500	138,015,225

TABLE B11-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (February)
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft ³ /sec)	Flow Volume (gal)
2/25/2021 14:15	20,600	138,688,470
2/25/2021 14:30	20,600	138,688,470
2/25/2021 14:45	20,600	138,688,470
2/25/2021 15:00	20,500	138,015,225
2/25/2021 15:15	20,500	138,015,225
2/25/2021 15:30	20,600	138,688,470
2/25/2021 15:45	20,500	138,015,225
2/25/2021 16:00	20,500	138,015,225
2/25/2021 16:15	20,400	137,341,980
2/25/2021 16:30	20,500	138,015,225
2/25/2021 16:45	20,400	137,341,980
2/25/2021 17:00	20,400	137,341,980
2/25/2021 17:15	20,400	137,341,980
2/25/2021 17:30	20,400	137,341,980
2/25/2021 17:45	20,400	137,341,980
2/25/2021 18:00	20,400	137,341,980
2/25/2021 18:15	20,300	136,668,735
2/25/2021 18:30	20,300	136,668,735
2/25/2021 18:45	20,300	136,668,735
2/25/2021 19:00	20,300	136,668,735
2/25/2021 19:15	20,300	136,668,735
2/25/2021 19:30	20,300	136,668,735
2/25/2021 19:45	20,200	135,995,490
2/25/2021 20:00	20,300	136,668,735
2/25/2021 20:15	20,200	135,995,490
2/25/2021 20:30	20,100	135,322,245
2/25/2021 20:45	20,200	135,995,490
2/25/2021 21:00	20,200	135,995,490
2/25/2021 21:15	20,200	135,995,490
2/25/2021 21:30	20,200	135,995,490
2/25/2021 21:45	20,100	135,322,245
2/25/2021 22:00	20,100	135,322,245
2/25/2021 22:15	20,100	135,322,245
2/25/2021 22:30	20,100	135,322,245
2/25/2021 22:45	20,100	135,322,245
2/25/2021 23:00	20,000	134,649,000
2/25/2021 23:15	20,000	134,649,000
2/25/2021 23:30	20,000	134,649,000
2/25/2021 23:45	20,000	134,649,000

Notes

Measurements are recorded from the USGS flow gauging station at Lock #1 near Kelly, ID 02105769 (USGS, 2021).

1 - flow was not recorded by USGS 02105769 (USGS, 2021) from 12:00 to 12:45 on February 25, 2021. Flow was approximated from 11:45 to 13:00 on February 25, 2021

ft³/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

**TABLE B11-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina**

Geosyntec Consultants of NC P.C.

Date	Flow Rate (ft³/sec)	Flow Volume (gal)
3/30/2021 0:00	13,100	88,195,095
3/30/2021 0:15	13,100	88,195,095
3/30/2021 0:30	13,200	88,868,340
3/30/2021 0:45	13,200	88,868,340
3/30/2021 1:00	13,200	88,868,340
3/30/2021 1:15	13,200	88,868,340
3/30/2021 1:30	13,300	89,541,585
3/30/2021 1:45	13,300	89,541,585
3/30/2021 2:00	13,300	89,541,585
3/30/2021 2:15	13,300	89,541,585
3/30/2021 2:30	13,300	89,541,585
3/30/2021 2:45	13,400	90,214,830
3/30/2021 3:00	13,400	90,214,830
3/30/2021 3:15	13,400	90,214,830
3/30/2021 3:30	13,400	90,214,830
3/30/2021 3:45	13,400	90,214,830
3/30/2021 4:00	13,500	90,888,075
3/30/2021 4:15	13,600	91,561,320
3/30/2021 4:30	13,500	90,888,075
3/30/2021 4:45	13,600	91,561,320
3/30/2021 5:00	13,600	91,561,320
3/30/2021 5:15	13,600	91,561,320
3/30/2021 5:30	13,700	92,234,565
3/30/2021 5:45	13,700	92,234,565
3/30/2021 6:00	13,700	92,234,565
3/30/2021 6:15	13,700	92,234,565
3/30/2021 6:30	13,700	92,234,565
3/30/2021 6:45	13,700	92,234,565
3/30/2021 7:00	13,800	92,907,810
3/30/2021 7:15	13,800	92,907,810
3/30/2021 7:30	13,800	92,907,810
3/30/2021 7:45	13,800	92,907,810
3/30/2021 8:00	13,800	92,907,810
3/30/2021 8:15	13,900	93,581,055
3/30/2021 8:30	13,900	93,581,055
3/30/2021 8:45	13,900	93,581,055
3/30/2021 9:00	13,900	93,581,055
3/30/2021 9:15	13,900	93,581,055
3/30/2021 9:30	13,900	93,581,055
3/30/2021 9:45	14,000	94,254,300
3/30/2021 10:00	14,000	94,254,300
3/30/2021 10:15	14,000	94,254,300
3/30/2021 10:30	14,100	94,927,545
3/30/2021 10:45	14,100	94,927,545
3/30/2021 11:00	14,100	94,927,545
3/30/2021 11:15	14,200	95,600,790
3/30/2021 11:30	14,100	94,927,545
3/30/2021 11:45	14,200	95,600,790
3/30/2021 12:00	14,200	95,600,790
3/30/2021 12:15	14,200	95,600,790
3/30/2021 12:30	14,200	95,600,790
3/30/2021 12:45	14,200	95,600,790
3/30/2021 13:00	14,200	95,600,790

**TABLE B11-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - Q1 2021 (March)
Chemours Fayetteville Works, North Carolina**

Date	Flow Rate (ft³/sec)	Flow Volume (gal)
3/30/2021 13:15	14,200	95,600,790
3/30/2021 13:30	14,200	95,600,790
3/30/2021 13:45	14,300	96,274,035
3/30/2021 14:00	14,300	96,274,035
3/30/2021 14:15	14,300	96,274,035
3/30/2021 14:30	14,400	96,947,280
3/30/2021 14:45	14,300	96,274,035
3/30/2021 15:00	14,300	96,274,035
3/30/2021 15:15	14,300	96,274,035
3/30/2021 15:30	14,400	96,947,280
3/30/2021 15:45	14,400	96,947,280
3/30/2021 16:00	14,400	96,947,280
3/30/2021 16:15	14,400	96,947,280
3/30/2021 16:30	14,500	97,620,525
3/30/2021 16:45	14,500	97,620,525
3/30/2021 17:00	14,500	97,620,525
3/30/2021 17:15	14,600	98,293,770
3/30/2021 17:30	14,500	97,620,525
3/30/2021 17:45	14,500	97,620,525
3/30/2021 18:00	14,600	98,293,770
3/30/2021 18:15	14,600	98,293,770
3/30/2021 18:30	14,600	98,293,770
3/30/2021 18:45	14,600	98,293,770
3/30/2021 19:00	14,700	98,967,015
3/30/2021 19:15	14,700	98,967,015
3/30/2021 19:30	14,700	98,967,015
3/30/2021 19:45	14,700	98,967,015
3/30/2021 20:00	14,700	98,967,015
3/30/2021 20:15	14,700	98,967,015
3/30/2021 20:30	14,700	98,967,015
3/30/2021 20:45	14,700	98,967,015
3/30/2021 21:00	14,700	98,967,015
3/30/2021 21:15	14,800	99,640,260
3/30/2021 21:30	14,800	99,640,260
3/30/2021 21:45	14,800	99,640,260
3/30/2021 22:00	14,800	99,640,260
3/30/2021 22:15	14,800	99,640,260
3/30/2021 22:30	14,800	99,640,260
3/30/2021 22:45	14,900	100,313,505
3/30/2021 23:00	14,900	100,313,505
3/30/2021 23:15	14,900	100,313,505
3/30/2021 23:30	15,000	100,986,750
3/30/2021 23:45	14,900	100,313,505

Notes

Measurements are recorded from the USGS flow gauging station at Lock #1 near Kelly, ID 02105769 (USGS, 2021).

ft³/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

TABLE B12
CHEMOURS FACILITY INTAKE FLOW RATE - Q1 2021
Chemours Fayetteville Works, North Carolina

Q1 2021 Monthly Event	Date	Intake Flow River Water Total Daily Flow Average (gpm)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
January 2021 ¹	01/26/2021	9621.000	13,854,423	16.90	9,755,823
	01/27/2021	9620.000	13,853,467	7.10	4,098,317
	1/26/2021 7:06 am to 1/27/2021 7:06 am			24	13,854,140
February 2021 ²	2/24/2021	5000.000	7,200,688	-- ²	7,200,688
	Based on the daily flow average for 2/24/2021			-- ²	7,200,688
March 2021 ³	3/29/2021	10714.390	15,428,722	16.9	10,864,391
	3/30/2021	10714.390	15,428,722	7.1	4,564,330
	3/29/2021 7:06 am to 3/30/2021 7:06 am			24	15,428,722

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 7:06 am on 1/27/2021 approximated based on flow rates for 1/26/2021 and 1/27/2021

2 - Total flow volume for grab sample collected at on 2/24/2021 approximated based on daily average flow rate for 2/24/2021

3 - Total flow volume for 24-hour temporal composite sample collected at 7:06 am on 3/30/2021 approximated based on flow rates for 3/29/2021 and 3/30/2021

Acronyms:

gal - gallons

gpm - gallons per minute

Supplemental Flow Tables

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/28/2020 5:00	147	0.33	5.2
1/28/2020 5:30	125	0.28	5.2
1/28/2020 6:00	148	0.33	5.2
1/28/2020 6:30	129	0.29	5.2
1/28/2020 7:00	145	0.32	5.2
1/28/2020 7:30	119	0.26	5.2
1/28/2020 8:00	138	0.31	5.2
1/31/2020 15:00	129	0.29	4.9
1/31/2020 15:30	163	0.36	4.9
1/31/2020 16:00	139	0.31	4.9
1/31/2020 16:30	160	0.36	4.9
1/31/2020 17:00	139	0.31	4.9
1/31/2020 17:30	167	0.37	4.9
1/31/2020 18:00	185	0.41	4.9
1/31/2020 18:30	182	0.41	4.9
1/31/2020 19:00	181	0.40	4.9
1/31/2020 19:30	205	0.46	4.9
1/31/2020 20:00	232	0.52	4.9
1/31/2020 20:30	238	0.53	4.9
1/31/2020 21:00	219	0.49	4.9
1/31/2020 21:30	275	0.61	4.9
1/31/2020 22:00	267	0.60	4.9
1/31/2020 22:30	354	0.79	4.9
1/31/2020 23:00	447	1.00	4.9
1/31/2020 23:30	357	0.80	4.9
2/1/2020 0:00	286	0.64	4.9
2/1/2020 0:30	289	0.64	4.9
2/1/2020 1:00	240	0.53	4.9
2/1/2020 1:30	257	0.57	4.9
2/1/2020 2:00	235	0.52	4.9
2/1/2020 2:30	233	0.52	4.9
2/1/2020 3:00	199	0.44	4.9
2/1/2020 3:30	211	0.47	4.9
2/1/2020 4:00	184	0.41	4.9
2/1/2020 4:30	159	0.36	4.9
2/1/2020 5:00	119	0.26	4.9
2/1/2020 5:30	135	0.30	4.9
2/1/2020 6:00	185	0.41	4.9
2/1/2020 6:30	150	0.33	4.9
2/1/2020 7:00	123	0.27	4.8
2/1/2020 7:30	127	0.28	4.8
2/1/2020 8:00	105	0.23	4.8
2/1/2020 8:30	138	0.31	4.8
2/1/2020 9:00	139	0.31	4.8
2/1/2020 9:30	124	0.28	4.8
2/1/2020 10:00	103	0.23	4.8
2/1/2020 10:30	126	0.28	4.8
2/1/2020 11:00	110	0.24	4.7
2/1/2020 11:30	123	0.27	4.7
2/1/2020 12:00	83	0.18	4.7
2/1/2020 12:30	117	0.26	4.7
2/1/2020 13:00	104	0.23	4.7
2/1/2020 13:30	115	0.26	4.7
2/1/2020 14:00	93	0.21	4.7
2/1/2020 14:30	117	0.26	4.7
2/1/2020 15:00	98	0.22	4.7
2/1/2020 15:30	109	0.24	4.7
2/1/2020 16:00	103	0.23	4.7
2/1/2020 16:30	110	0.25	4.7
2/1/2020 17:00	101	0.23	4.7

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
2/1/2020 17:30	97	0.22	4.7
2/1/2020 18:00	116	0.26	4.7
2/1/2020 18:30	101	0.23	4.7
2/1/2020 19:00	97	0.22	4.7
2/1/2020 19:30	103	0.23	4.7
2/1/2020 20:00	104	0.23	4.7
2/1/2020 20:30	93	0.21	4.7
2/1/2020 21:00	96	0.21	4.7
2/1/2020 21:30	93	0.21	4.7
2/1/2020 22:00	80	0.18	4.7
2/1/2020 22:30	95	0.21	4.7
2/1/2020 23:00	82	0.18	4.7
2/1/2020 23:30	92	0.21	4.7
2/2/2020 0:00	99	0.22	4.7
2/2/2020 0:30	87	0.19	4.7
2/2/2020 1:00	85	0.19	4.7
2/2/2020 1:30	96	0.21	4.7
2/2/2020 2:00	102	0.23	4.7
2/2/2020 2:30	100	0.22	4.7
2/2/2020 3:00	102	0.23	4.7
2/2/2020 3:30	96	0.21	4.7
2/2/2020 4:00	103	0.23	4.7
2/2/2020 4:30	97	0.22	4.7
2/2/2020 5:00	103	0.23	4.8
2/2/2020 5:30	97	0.22	4.8
2/2/2020 6:00	114	0.25	4.8
2/2/2020 6:30	93	0.21	4.8
2/2/2020 7:00	98	0.22	4.8
2/2/2020 7:30	92	0.21	4.8
2/2/2020 8:00	96	0.21	4.8
2/5/2020 7:30	169	0.38	4.8
2/5/2020 8:00	182	0.40	4.8
2/5/2020 8:30	174	0.39	4.8
2/5/2020 9:00	179	0.40	4.8
2/5/2020 9:30	174	0.39	4.8
2/5/2020 10:00	171	0.38	4.8
2/5/2020 10:30	196	0.44	4.8
2/5/2020 11:00	208	0.46	4.8
2/5/2020 11:30	213	0.48	4.8
2/5/2020 12:00	187	0.42	4.8
2/5/2020 12:30	217	0.48	4.8
2/5/2020 13:00	195	0.44	4.8
2/5/2020 13:30	223	0.50	4.8
2/5/2020 14:00	199	0.44	4.8
2/5/2020 14:30	222	0.49	4.8
2/5/2020 15:00	201	0.45	4.8
2/5/2020 15:30	212	0.47	4.8
2/5/2020 16:00	205	0.46	4.8
2/5/2020 16:30	202	0.45	4.7
2/5/2020 17:00	190	0.42	4.7
2/5/2020 17:30	190	0.42	4.7
2/5/2020 18:00	192	0.43	4.7
2/5/2020 18:30	193	0.43	4.7
2/5/2020 19:00	184	0.41	4.7
2/5/2020 19:30	189	0.42	4.7
2/5/2020 20:00	185	0.41	4.7
2/5/2020 20:30	183	0.41	4.7
2/5/2020 21:00	181	0.40	4.7
2/5/2020 21:30	179	0.40	4.7
2/5/2020 22:00	165	0.37	4.7

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
2/5/2020 22:30	177	0.39	4.7
2/5/2020 23:00	170	0.38	4.7
2/5/2020 23:30	176	0.39	4.7
3/15/2020 3:30	202	0.45	2.8
3/15/2020 4:00	265	0.59	2.7
3/15/2020 4:30	280	0.62	2.7
3/15/2020 5:00	231	0.51	2.7
3/15/2020 5:30	252	0.56	2.8
3/15/2020 6:00	209	0.47	2.7
3/15/2020 6:30	216	0.48	2.7
3/15/2020 7:00	281	0.63	2.7
3/15/2020 7:30	306	0.68	2.7
3/15/2020 8:00	218	0.48	2.7
3/15/2020 8:30	231	0.51	2.7
3/15/2020 9:00	178	0.40	2.7
3/15/2020 9:30	187	0.42	2.7
3/15/2020 10:00	207	0.46	2.7
3/15/2020 10:30	228	0.51	2.7
3/15/2020 11:00	211	0.47	2.7
3/15/2020 11:30	221	0.49	2.7
3/15/2020 12:00	209	0.47	2.7
3/15/2020 12:30	194	0.43	2.7
3/15/2020 13:00	248	0.55	2.7
3/15/2020 13:30	229	0.51	2.7
3/15/2020 14:00	248	0.55	2.7
3/15/2020 14:30	251	0.56	2.7
3/15/2020 15:00	234	0.52	2.7
3/15/2020 15:30	227	0.51	2.7
3/15/2020 16:00	231	0.51	2.7
3/15/2020 16:30	249	0.55	2.7
3/15/2020 17:00	209	0.47	2.7
3/15/2020 17:30	215	0.48	2.7
3/15/2020 18:00	190	0.42	2.7
3/15/2020 18:30	213	0.47	2.7
3/15/2020 19:00	187	0.42	2.7
3/15/2020 19:30	204	0.45	2.7
3/15/2020 20:00	171	0.38	2.7
3/15/2020 20:30	188	0.42	2.7
3/15/2020 21:00	189	0.42	2.7
3/15/2020 21:30	206	0.46	2.7
3/15/2020 22:00	183	0.41	2.7
3/15/2020 22:30	187	0.42	2.7
3/15/2020 23:00	191	0.43	2.7
3/15/2020 23:30	194	0.43	2.7
3/16/2020 0:00	202	0.45	2.7
3/16/2020 0:30	196	0.44	2.7
3/16/2020 1:00	198	0.44	2.7
3/16/2020 1:30	196	0.44	2.7
3/16/2020 2:00	217	0.48	2.7
3/16/2020 2:30	217	0.48	2.7
3/16/2020 3:00	203	0.45	2.7
3/16/2020 3:30	195	0.44	2.7
3/16/2020 4:00	189	0.42	2.7
3/16/2020 4:30	202	0.45	2.7
3/16/2020 5:00	182	0.41	2.7
3/16/2020 5:30	183	0.41	2.7
3/16/2020 6:00	195	0.43	2.7
3/16/2020 6:30	205	0.46	2.7
3/16/2020 7:00	191	0.43	2.7
3/17/2020 7:00	199	0.44	2.6

**TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/17/2020 7:30	305	0.68	2.6
3/17/2020 8:00	286	0.64	2.6
3/17/2020 8:30	291	0.65	2.6
3/17/2020 9:00	280	0.62	2.6
3/17/2020 9:30	312	0.69	2.6
3/17/2020 10:00	317	0.71	2.6
3/17/2020 10:30	304	0.68	2.6
3/17/2020 11:00	291	0.65	2.6
3/17/2020 11:30	269	0.60	2.6
3/17/2020 12:00	291	0.65	2.6
3/17/2020 12:30	266	0.59	2.6
3/17/2020 13:00	272	0.60	2.6
3/17/2020 13:30	249	0.55	2.6
3/17/2020 14:00	338	0.75	2.6
3/17/2020 14:30	321	0.72	2.6
3/17/2020 15:00	285	0.64	2.6
3/17/2020 15:30	246	0.55	2.6
3/17/2020 16:00	286	0.64	2.6
3/17/2020 16:30	296	0.66	2.6
3/17/2020 17:00	255	0.57	2.6
3/17/2020 17:30	255	0.57	2.6
3/17/2020 18:00	225	0.50	2.6
3/17/2020 18:30	250	0.56	2.6
3/17/2020 19:00	204	0.45	2.6
3/17/2020 19:30	215	0.48	2.6
3/17/2020 20:00	215	0.48	2.6
3/17/2020 20:30	231	0.51	2.6
3/17/2020 21:00	215	0.48	2.6
3/17/2020 21:30	221	0.49	2.6
3/17/2020 22:00	210	0.47	2.6
3/17/2020 22:30	216	0.48	2.6
3/17/2020 23:00	200	0.45	2.6
3/17/2020 23:30	199	0.44	2.6
3/18/2020 0:00	224	0.50	2.6
3/18/2020 0:30	232	0.52	2.6
3/18/2020 1:00	205	0.46	2.6
3/18/2020 1:30	200	0.45	2.6
3/18/2020 2:00	209	0.47	2.6
3/18/2020 2:30	215	0.48	2.6
3/18/2020 3:00	233	0.52	2.6
3/18/2020 3:30	233	0.52	2.6
3/18/2020 4:00	208	0.46	2.6
3/18/2020 4:30	214	0.48	2.6
3/18/2020 5:00	188	0.42	2.6
3/18/2020 5:30	208	0.46	2.6
3/18/2020 6:00	188	0.42	2.6
3/18/2020 6:30	199	0.44	2.6
3/18/2020 7:00	198	0.44	2.6
3/18/2020 7:30	215	0.48	2.5
3/18/2020 8:00	202	0.45	2.5
3/18/2020 8:30	220	0.49	2.5
3/18/2020 9:00	180	0.40	2.5
3/18/2020 9:30	197	0.44	2.5
3/18/2020 10:00	195	0.44	2.5
3/19/2020 10:30	198	0.44	2.4
3/19/2020 11:00	219	0.49	2.4
3/19/2020 11:30	208	0.46	2.4
3/19/2020 12:00	244	0.54	2.4
3/19/2020 12:30	218	0.49	2.4
3/19/2020 13:00	272	0.60	2.4

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/19/2020 13:30	241	0.54	2.4
3/19/2020 14:00	291	0.65	2.4
3/19/2020 14:30	260	0.58	2.4
3/19/2020 15:00	270	0.60	2.4
3/19/2020 15:30	253	0.56	2.4
3/19/2020 16:00	266	0.59	2.4
3/19/2020 16:30	266	0.59	2.4
3/19/2020 17:00	237	0.53	2.4
3/19/2020 17:30	233	0.52	2.4
3/19/2020 18:00	226	0.50	2.4
3/19/2020 18:30	240	0.53	2.4
3/19/2020 19:00	214	0.48	2.4
3/19/2020 19:30	226	0.50	2.3
3/19/2020 20:00	207	0.46	2.3
3/19/2020 20:30	215	0.48	2.3
3/19/2020 21:00	210	0.47	2.3
3/19/2020 21:30	210	0.47	2.3
3/19/2020 22:00	194	0.43	2.3
3/19/2020 22:30	198	0.44	2.3
3/19/2020 23:00	208	0.46	2.3
3/19/2020 23:30	205	0.46	2.3
3/20/2020 0:00	232	0.52	2.3
3/20/2020 0:30	224	0.50	2.3
3/20/2020 1:00	214	0.48	2.3
3/20/2020 1:30	203	0.45	2.3
3/20/2020 2:00	213	0.47	2.3
3/20/2020 2:30	209	0.47	2.3
3/20/2020 3:00	227	0.50	2.3
3/20/2020 3:30	228	0.51	2.3
3/20/2020 4:00	198	0.44	2.3
3/20/2020 4:30	206	0.46	2.3
3/20/2020 5:00	189	0.42	2.3
3/20/2020 5:30	196	0.44	2.3
3/20/2020 6:00	208	0.46	2.3
3/20/2020 6:30	208	0.46	2.3
3/20/2020 7:00	208	0.46	2.3
3/20/2020 7:30	205	0.46	2.3
3/20/2020 8:00	222	0.49	2.3
3/20/2020 8:30	232	0.52	2.3
3/20/2020 9:00	194	0.43	2.3
3/20/2020 9:30	191	0.42	2.3
3/20/2020 10:00	211	0.47	2.3
3/21/2020 12:00	225	0.50	2.3
3/21/2020 12:30	227	0.51	2.3
3/21/2020 13:00	268	0.60	2.3
3/21/2020 13:30	252	0.56	2.3
3/21/2020 14:00	277	0.62	2.3
3/21/2020 14:30	261	0.58	2.3
3/21/2020 15:00	268	0.60	2.3
3/21/2020 15:30	259	0.58	2.3
3/21/2020 16:00	265	0.59	2.3
3/21/2020 16:30	268	0.60	2.3
3/21/2020 17:00	241	0.54	2.3
3/21/2020 17:30	249	0.55	2.3
3/21/2020 18:00	215	0.48	2.3
3/21/2020 18:30	229	0.51	2.3
3/21/2020 19:00	212	0.47	2.3
3/21/2020 19:30	243	0.54	2.3
3/21/2020 20:00	181	0.40	2.3
3/21/2020 20:30	201	0.45	2.3

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/21/2020 21:00	172	0.38	2.3
3/21/2020 21:30	193	0.43	2.3
3/21/2020 22:00	204	0.46	2.3
3/21/2020 22:30	229	0.51	2.3
3/21/2020 23:00	181	0.40	2.3
3/21/2020 23:30	191	0.43	2.3
3/22/2020 0:00	168	0.38	2.3
3/22/2020 0:30	181	0.40	2.2
3/22/2020 1:00	187	0.42	2.2
3/22/2020 1:30	202	0.45	2.2
3/22/2020 2:00	190	0.42	2.2
3/22/2020 2:30	189	0.42	2.2
3/22/2020 3:00	209	0.47	2.3
3/22/2020 3:30	214	0.48	2.2
3/22/2020 4:00	191	0.42	2.2
3/22/2020 4:30	204	0.45	2.2
3/22/2020 5:00	175	0.39	2.2
3/22/2020 5:30	190	0.42	2.2
3/22/2020 6:00	169	0.38	2.2
3/22/2020 6:30	188	0.42	2.2
3/22/2020 7:00	168	0.37	2.2
3/22/2020 7:30	188	0.42	2.2
3/22/2020 8:00	184	0.41	2.2
3/22/2020 8:30	195	0.44	2.2
3/22/2020 9:00	169	0.38	2.2
3/22/2020 9:30	173	0.39	2.2
3/22/2020 10:00	187	0.42	2.2
3/22/2020 10:30	199	0.44	2.2
3/22/2020 11:00	192	0.43	2.2
3/22/2020 11:30	180	0.40	2.2
3/22/2020 12:00	198	0.44	2.2
3/22/2020 12:30	197	0.44	2.2
3/22/2020 13:00	220	0.49	2.2
3/22/2020 13:30	208	0.46	2.2
3/22/2020 14:00	220	0.49	2.2
3/22/2020 14:30	199	0.44	2.2
3/22/2020 15:00	253	0.56	2.3
3/22/2020 15:30	244	0.54	2.2
3/22/2020 16:00	213	0.47	2.2
3/22/2020 16:30	203	0.45	2.2
3/22/2020 17:00	202	0.45	2.2
3/22/2020 17:30	217	0.48	2.2
3/22/2020 18:00	189	0.42	2.2
3/22/2020 18:30	182	0.40	2.2
3/22/2020 19:00	216	0.48	2.2
3/22/2020 19:30	229	0.51	2.2
3/22/2020 20:00	177	0.39	2.2
3/22/2020 20:30	169	0.38	2.2
3/22/2020 21:00	196	0.44	2.2
3/22/2020 21:30	192	0.43	2.2
3/22/2020 22:00	229	0.51	2.2
3/22/2020 22:30	214	0.48	2.2
3/22/2020 23:00	213	0.48	2.2
3/22/2020 23:30	196	0.44	2.2
3/23/2020 0:00	227	0.51	2.2
3/23/2020 0:30	211	0.47	2.2
3/23/2020 1:00	218	0.48	2.2
3/23/2020 1:30	205	0.46	2.2
3/23/2020 2:00	216	0.48	2.2
3/23/2020 2:30	202	0.45	2.3

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/23/2020 3:00	254	0.57	2.3
3/23/2020 3:30	267	0.60	2.3
3/23/2020 4:00	242	0.54	2.3
3/23/2020 4:30	218	0.49	2.3
3/23/2020 5:00	228	0.51	2.3
3/23/2020 5:30	243	0.54	2.3
3/23/2020 6:00	210	0.47	2.3
3/23/2020 6:30	198	0.44	2.3
3/23/2020 7:00	233	0.52	2.3
3/23/2020 7:30	237	0.53	2.3
3/23/2020 8:00	238	0.53	2.3
3/23/2020 8:30	212	0.47	2.3
3/23/2020 9:00	265	0.59	2.3
3/23/2020 9:30	276	0.61	2.3
3/23/2020 10:00	203	0.45	2.3
3/23/2020 10:30	184	0.41	2.3
3/23/2020 11:00	196	0.44	2.3
3/23/2020 11:30	183	0.41	2.3
3/23/2020 12:00	238	0.53	2.3
3/23/2020 12:30	206	0.46	2.3
3/23/2020 13:00	272	0.61	2.3
3/23/2020 13:30	229	0.51	2.3
3/23/2020 14:00	279	0.62	2.3
3/23/2020 14:30	267	0.60	2.3
3/23/2020 15:00	231	0.52	2.3
3/23/2020 15:30	214	0.48	2.3
3/23/2020 16:00	227	0.50	2.3
3/23/2020 16:30	225	0.50	2.3
3/23/2020 17:00	222	0.50	2.3
3/23/2020 17:30	212	0.47	2.3
3/23/2020 18:00	229	0.51	2.4
3/23/2020 18:30	233	0.52	2.4
3/23/2020 19:00	211	0.47	2.4
3/23/2020 19:30	216	0.48	2.4
3/23/2020 20:00	191	0.43	2.4
3/23/2020 20:30	192	0.43	2.4
3/23/2020 21:00	184	0.41	2.4
3/23/2020 21:30	194	0.43	2.4
3/23/2020 22:00	197	0.44	2.4
3/23/2020 22:30	196	0.44	2.5
3/23/2020 23:00	202	0.45	2.5
3/23/2020 23:30	196	0.44	2.5
3/24/2020 0:00	232	0.52	2.5
3/24/2020 0:30	228	0.51	2.5
3/24/2020 1:00	190	0.42	2.5
3/24/2020 1:30	177	0.39	2.5
3/24/2020 2:00	212	0.47	2.5
3/24/2020 2:30	205	0.46	2.5
3/24/2020 3:00	236	0.53	2.5
3/24/2020 3:30	218	0.48	2.5
3/24/2020 4:00	212	0.47	2.6
3/24/2020 4:30	223	0.50	2.6
3/24/2020 5:00	183	0.41	2.6
3/24/2020 5:30	188	0.42	2.6
3/24/2020 16:30	145	0.32	2.6
3/24/2020 17:00	307	0.68	2.6
3/24/2020 17:30	320	0.71	2.7
3/24/2020 18:00	238	0.53	2.7
3/24/2020 18:30	218	0.49	2.6
3/24/2020 19:00	258	0.58	2.7

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/24/2020 19:30	247	0.55	2.7
3/24/2020 20:00	257	0.57	2.7
3/24/2020 20:30	233	0.52	2.7
3/24/2020 21:00	250	0.56	2.7
3/24/2020 21:30	227	0.51	2.7
3/24/2020 22:00	246	0.55	2.7
3/24/2020 22:30	224	0.50	2.7
3/24/2020 23:00	258	0.58	2.7
3/24/2020 23:30	228	0.51	2.7
3/25/2020 0:00	256	0.57	2.7
3/25/2020 0:30	221	0.49	2.7
3/25/2020 1:00	253	0.56	2.7
3/25/2020 1:30	216	0.48	2.7
3/25/2020 2:00	255	0.57	2.7
3/25/2020 2:30	215	0.48	2.7
3/25/2020 3:00	255	0.57	2.7
3/25/2020 3:30	256	0.57	2.7
3/25/2020 4:00	520	1.16	2.7
3/25/2020 4:30	624	1.39	2.7
3/25/2020 9:00	554	1.23	3.0
3/25/2020 9:30	524	1.17	3.1
3/25/2020 10:00	469	1.04	3.1
3/25/2020 10:30	458	1.02	3.1
3/25/2020 11:00	408	0.91	3.2
3/25/2020 11:30	405	0.90	3.2
3/25/2020 12:00	369	0.82	3.2
3/25/2020 12:30	369	0.82	3.2
3/25/2020 13:00	367	0.82	3.3
3/25/2020 13:30	362	0.81	3.3
3/25/2020 14:00	370	0.83	3.3
3/25/2020 14:30	368	0.82	3.4
3/25/2020 15:00	324	0.72	3.4
3/25/2020 15:30	332	0.74	3.4
3/25/2020 16:00	291	0.65	3.4
3/25/2020 16:30	307	0.68	3.4
3/25/2020 17:00	288	0.64	3.5
3/25/2020 17:30	308	0.69	3.5
3/25/2020 18:00	314	0.70	3.5
3/25/2020 18:30	344	0.77	3.5
3/25/2020 19:00	248	0.55	3.6
3/25/2020 19:30	263	0.59	3.6
3/25/2020 20:00	208	0.46	3.6
3/25/2020 20:30	242	0.54	3.6
3/25/2020 21:00	207	0.46	3.6
3/25/2020 21:30	217	0.48	3.7
3/25/2020 22:00	226	0.50	3.7
3/25/2020 22:30	244	0.54	3.7
3/25/2020 23:00	215	0.48	3.8
3/25/2020 23:30	227	0.51	3.8
3/26/2020 0:00	205	0.46	3.8
3/26/2020 0:30	221	0.49	3.9
3/26/2020 1:00	209	0.47	3.9
3/26/2020 1:30	208	0.46	3.9
3/26/2020 2:00	233	0.52	4.0
3/26/2020 2:30	235	0.52	4.0
3/26/2020 3:00	231	0.52	4.0
3/26/2020 3:30	247	0.55	4.1
3/26/2020 4:00	201	0.45	4.2
3/26/2020 4:30	216	0.48	4.2
3/26/2020 5:00	202	0.45	4.3

TABLE B13
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/26/2020 5:30	210	0.47	4.3
3/26/2020 6:00	198	0.44	4.4
3/26/2020 6:30	215	0.48	4.5
3/26/2020 7:00	195	0.44	4.5
3/26/2020 7:30	210	0.47	4.6
3/26/2020 8:00	215	0.48	4.7
3/26/2020 8:30	221	0.49	4.8
3/26/2020 9:00	215	0.48	4.8
3/26/2020 9:30	222	0.50	4.9
3/31/2020 17:30	80	0.18	4.0
3/31/2020 18:00	306	0.68	4.0
3/31/2020 18:30	400	0.89	4.0
3/31/2020 19:00	238	0.53	4.0
3/31/2020 19:30	189	0.42	3.9
3/31/2020 20:00	220	0.49	3.9
3/31/2020 20:30	266	0.59	3.9
3/31/2020 21:00	283	0.63	3.9
3/31/2020 21:30	266	0.59	3.9
3/31/2020 22:00	252	0.56	3.9
3/31/2020 22:30	242	0.54	3.9
3/31/2020 23:00	262	0.58	3.9
3/31/2020 23:30	251	0.56	3.9
Median Flow Rate	210	0.47	

Notes

Measurements are recorded from the flume at Seep A.

Median flow rate was used for mass loading calculations at Seep A for January, February, March 2021.

ft³/sec - cubic feet per second

ft - feet

gpm - gallons per minute

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/2/2020 22:30	102	0.23	3.0
1/2/2020 23:00	115	0.26	3.0
1/2/2020 23:30	102	0.23	3.0
1/3/2020 0:00	121	0.27	3.0
1/3/2020 0:30	106	0.24	3.0
1/3/2020 1:00	122	0.27	3.0
1/3/2020 1:30	101	0.22	3.0
1/3/2020 2:00	127	0.28	3.0
1/3/2020 2:30	118	0.26	2.9
1/3/2020 3:00	125	0.28	3.0
1/3/2020 3:30	119	0.26	3.0
1/3/2020 4:00	128	0.29	2.9
1/3/2020 4:30	117	0.26	2.9
1/3/2020 5:00	130	0.29	2.9
1/3/2020 5:30	131	0.29	2.9
1/3/2020 6:00	129	0.29	2.9
1/3/2020 6:30	135	0.30	2.9
1/3/2020 7:00	124	0.28	2.9
1/3/2020 7:30	143	0.32	2.9
1/3/2020 8:00	121	0.27	2.9
1/3/2020 8:30	126	0.28	2.9
1/3/2020 9:00	123	0.27	2.9
1/3/2020 9:30	122	0.27	2.9
1/3/2020 10:00	132	0.29	2.9
1/3/2020 10:30	128	0.29	2.9
1/3/2020 11:00	142	0.32	2.9
1/3/2020 11:30	131	0.29	2.9
1/3/2020 12:00	145	0.32	2.9
1/3/2020 12:30	123	0.27	2.9
1/3/2020 13:00	150	0.33	2.9
1/3/2020 13:30	132	0.29	2.9
1/3/2020 14:00	156	0.35	2.9
1/3/2020 14:30	134	0.30	2.9
1/3/2020 15:00	164	0.37	2.9
1/3/2020 15:30	183	0.41	2.9
1/3/2020 16:00	162	0.36	2.9
1/3/2020 16:30	163	0.36	2.9
1/3/2020 17:00	158	0.35	2.9
1/3/2020 17:30	146	0.32	2.9
1/3/2020 18:00	158	0.35	2.9
1/3/2020 18:30	163	0.36	2.9
1/3/2020 19:00	150	0.33	2.9
1/3/2020 19:30	165	0.37	2.9
1/3/2020 20:00	146	0.33	2.8
1/3/2020 20:30	148	0.33	2.8
1/3/2020 21:00	166	0.37	2.8
1/3/2020 21:30	177	0.39	2.8
1/3/2020 22:00	223	0.50	2.9
1/3/2020 22:30	301	0.67	2.9
1/3/2020 23:00	461	1.03	2.9
1/3/2020 23:30	357	0.79	2.9
1/4/2020 0:00	340	0.76	2.9
1/4/2020 0:30	314	0.70	2.9
1/4/2020 1:00	329	0.73	2.9
1/4/2020 1:30	336	0.75	2.9
1/4/2020 2:00	348	0.78	2.9
1/4/2020 2:30	325	0.73	2.9
1/4/2020 3:00	323	0.72	2.9
1/4/2020 3:30	315	0.70	3.0
1/4/2020 4:00	313	0.70	3.0
1/4/2020 4:30	332	0.74	3.0

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/4/2020 5:00	307	0.68	3.0
1/4/2020 5:30	291	0.65	3.0
1/4/2020 6:00	292	0.65	3.0
1/4/2020 6:30	311	0.69	3.1
1/4/2020 7:00	302	0.67	3.1
1/4/2020 7:30	289	0.64	3.1
1/4/2020 8:00	312	0.69	3.1
1/4/2020 8:30	348	0.78	3.2
1/4/2020 9:00	345	0.77	3.2
1/4/2020 9:30	380	0.85	3.2
1/4/2020 10:00	380	0.85	3.2
1/4/2020 10:30	337	0.75	3.3
1/4/2020 11:00	341	0.76	3.3
1/4/2020 11:30	293	0.65	3.3
1/4/2020 12:00	344	0.77	3.4
1/4/2020 12:30	294	0.65	3.4
1/4/2020 13:00	330	0.73	3.5
1/4/2020 13:30	296	0.66	3.5
1/4/2020 14:00	325	0.72	3.5
1/4/2020 14:30	307	0.68	3.5
1/4/2020 15:00	316	0.70	3.6
1/4/2020 15:30	302	0.67	3.6
1/4/2020 16:00	302	0.67	3.7
1/4/2020 16:30	308	0.69	3.7
1/4/2020 17:00	283	0.63	3.7
1/4/2020 17:30	299	0.67	3.8
1/4/2020 18:00	258	0.58	3.8
1/4/2020 18:30	267	0.60	3.9
1/4/2020 19:00	236	0.53	3.9
1/4/2020 19:30	265	0.59	4.0
1/4/2020 20:00	228	0.51	4.0
1/4/2020 20:30	291	0.65	4.1
1/4/2020 21:00	206	0.46	4.2
1/4/2020 21:30	245	0.55	4.2
1/4/2020 22:00	191	0.43	4.3
1/4/2020 22:30	251	0.56	4.4
1/4/2020 23:00	184	0.41	4.5
1/4/2020 23:30	215	0.48	4.5
1/5/2020 0:00	188	0.42	4.6
1/5/2020 0:30	223	0.50	4.7
1/5/2020 1:00	179	0.40	4.7
1/5/2020 1:30	205	0.46	4.8
1/5/2020 2:00	177	0.39	4.9
1/5/2020 2:30	188	0.42	5.0
1/5/2020 3:00	174	0.39	5.1
1/5/2020 3:30	185	0.41	5.1
1/5/2020 4:00	172	0.38	5.2
1/5/2020 4:30	192	0.43	5.3
1/5/2020 5:00	172	0.38	5.3
1/5/2020 5:30	197	0.44	5.4
1/5/2020 6:00	172	0.38	5.5
1/5/2020 6:30	191	0.42	5.5
1/5/2020 7:00	169	0.38	5.6
1/5/2020 7:30	204	0.45	5.7
1/5/2020 8:00	172	0.38	5.7
1/5/2020 8:30	208	0.46	5.8
1/5/2020 9:00	159	0.36	5.8
1/5/2020 9:30	168	0.38	5.9
1/5/2020 10:00	163	0.36	5.9
1/11/2020 12:00	155	0.35	4.6
1/11/2020 12:30	124	0.28	4.6

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/11/2020 13:00	159	0.35	4.5
1/11/2020 13:30	139	0.31	4.5
1/11/2020 14:00	170	0.38	4.5
1/11/2020 14:30	155	0.34	4.4
1/11/2020 15:00	164	0.36	4.4
1/11/2020 15:30	154	0.34	4.4
1/11/2020 16:00	163	0.36	4.3
1/11/2020 16:30	160	0.36	4.3
1/11/2020 17:00	162	0.36	4.3
1/11/2020 17:30	146	0.32	4.3
1/11/2020 18:00	160	0.36	4.3
1/11/2020 18:30	148	0.33	4.2
1/11/2020 19:00	158	0.35	4.2
1/11/2020 19:30	146	0.32	4.2
1/11/2020 20:00	157	0.35	4.2
1/11/2020 20:30	162	0.36	4.1
1/11/2020 21:00	160	0.36	4.1
1/11/2020 21:30	156	0.35	4.1
1/11/2020 22:00	165	0.37	4.1
1/11/2020 22:30	174	0.39	4.1
1/11/2020 23:00	169	0.38	4.1
1/11/2020 23:30	151	0.34	4.0
1/12/2020 0:00	174	0.39	4.0
1/12/2020 0:30	189	0.42	4.0
1/12/2020 1:00	168	0.37	4.0
1/12/2020 1:30	183	0.41	4.0
1/12/2020 2:00	219	0.49	4.0
1/12/2020 2:30	257	0.57	4.0
1/12/2020 3:00	285	0.63	4.0
1/12/2020 3:30	302	0.67	4.0
1/12/2020 4:00	216	0.48	4.0
1/12/2020 4:30	215	0.48	4.0
1/12/2020 5:00	195	0.44	4.0
1/12/2020 5:30	204	0.45	4.0
1/12/2020 6:00	185	0.41	4.0
1/12/2020 6:30	199	0.44	4.0
1/12/2020 7:00	180	0.40	4.0
1/12/2020 7:30	213	0.48	4.0
1/12/2020 8:00	175	0.39	4.0
1/12/2020 8:30	201	0.45	4.0
1/12/2020 9:00	164	0.36	4.0
1/12/2020 9:30	194	0.43	4.0
1/12/2020 10:00	159	0.35	4.0
1/12/2020 10:30	158	0.35	4.0
1/12/2020 11:00	158	0.35	4.0
1/12/2020 11:30	148	0.33	4.0
1/12/2020 12:00	163	0.36	4.0
1/12/2020 12:30	153	0.34	4.0
1/12/2020 13:00	165	0.37	4.0
1/12/2020 13:30	157	0.35	4.0
1/12/2020 14:00	164	0.37	4.0
1/12/2020 14:30	155	0.35	4.0
1/12/2020 15:00	167	0.37	4.0
1/12/2020 15:30	185	0.41	4.0
1/12/2020 16:00	161	0.36	4.0
1/12/2020 16:30	168	0.37	4.0
1/12/2020 17:00	157	0.35	4.0
1/12/2020 17:30	167	0.37	4.0
1/12/2020 18:00	151	0.34	4.0
1/12/2020 18:30	155	0.35	4.0
1/12/2020 19:00	147	0.33	4.0

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/12/2020 19:30	164	0.37	4.0
1/12/2020 20:00	164	0.37	4.0
1/12/2020 20:30	172	0.38	4.0
1/12/2020 21:00	185	0.41	4.0
1/12/2020 21:30	193	0.43	4.0
1/12/2020 22:00	199	0.44	4.0
1/12/2020 22:30	210	0.47	4.1
1/12/2020 23:00	191	0.43	4.0
1/12/2020 23:30	177	0.39	4.1
1/13/2020 0:00	186	0.42	4.0
1/13/2020 0:30	188	0.42	4.1
1/13/2020 1:00	176	0.39	4.1
1/13/2020 1:30	177	0.40	4.1
1/13/2020 2:00	176	0.39	4.1
1/13/2020 2:30	183	0.41	4.1
1/13/2020 3:00	172	0.38	4.1
1/13/2020 3:30	175	0.39	4.1
1/13/2020 4:00	169	0.38	4.1
1/13/2020 4:30	182	0.40	4.1
1/13/2020 5:00	168	0.37	4.1
1/13/2020 5:30	160	0.36	4.2
1/13/2020 6:00	170	0.38	4.2
1/13/2020 6:30	181	0.40	4.2
1/13/2020 7:00	175	0.39	4.2
1/13/2020 7:30	186	0.42	4.2
1/13/2020 8:00	173	0.38	4.2
1/13/2020 8:30	198	0.44	4.3
1/13/2020 9:00	167	0.37	4.3
1/13/2020 9:30	172	0.38	4.3
1/13/2020 14:00	302	0.67	4.5
1/13/2020 14:30	278	0.62	4.5
1/13/2020 15:00	410	0.91	4.5
1/13/2020 15:30	393	0.88	4.6
1/13/2020 16:00	374	0.83	4.6
1/13/2020 16:30	392	0.87	4.6
1/13/2020 17:00	339	0.76	4.6
1/13/2020 17:30	298	0.66	4.7
1/13/2020 18:00	302	0.67	4.7
1/13/2020 18:30	308	0.69	4.7
1/13/2020 19:00	275	0.61	4.7
1/13/2020 19:30	271	0.60	4.7
1/13/2020 20:00	257	0.57	4.8
1/13/2020 20:30	241	0.54	4.8
1/13/2020 21:00	244	0.54	4.8
1/13/2020 21:30	223	0.50	4.8
1/13/2020 22:00	238	0.53	4.9
1/13/2020 22:30	240	0.53	4.9
1/13/2020 23:00	229	0.51	4.9
1/13/2020 23:30	212	0.47	4.9
1/14/2020 0:00	227	0.50	5.0
1/14/2020 0:30	204	0.45	5.0
1/14/2020 1:00	221	0.49	5.0
1/14/2020 1:30	212	0.47	5.1
1/14/2020 2:00	220	0.49	5.1
1/14/2020 2:30	212	0.47	5.1
1/14/2020 3:00	217	0.48	5.1
1/14/2020 3:30	203	0.45	5.1
1/14/2020 4:00	217	0.48	5.2
1/14/2020 4:30	198	0.44	5.2
1/14/2020 5:00	215	0.48	5.2
1/14/2020 5:30	213	0.47	5.2

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/14/2020 6:00	210	0.47	5.2
1/14/2020 6:30	202	0.45	5.3
1/14/2020 7:00	208	0.46	5.3
1/14/2020 7:30	190	0.42	5.3
1/14/2020 8:00	203	0.45	5.3
1/14/2020 8:30	209	0.47	5.4
1/14/2020 9:00	201	0.45	5.4
1/14/2020 9:30	221	0.49	5.4
1/14/2020 10:00	202	0.45	5.4
1/14/2020 10:30	197	0.44	5.5
1/14/2020 11:00	206	0.46	5.5
1/14/2020 11:30	179	0.40	5.5
1/14/2020 12:00	220	0.49	5.6
1/14/2020 12:30	202	0.45	5.6
1/14/2020 13:00	221	0.49	5.6
1/14/2020 13:30	203	0.45	5.7
1/14/2020 14:00	218	0.49	5.7
1/14/2020 14:30	189	0.42	5.7
1/14/2020 15:00	221	0.49	5.8
1/18/2020 22:30	126	0.28	5.6
1/18/2020 23:00	149	0.33	5.5
1/18/2020 23:30	127	0.28	5.5
1/19/2020 0:00	155	0.35	5.5
1/19/2020 0:30	137	0.31	5.5
1/19/2020 1:00	155	0.35	5.5
1/19/2020 1:30	137	0.31	5.5
1/19/2020 2:00	155	0.35	5.4
1/19/2020 2:30	129	0.29	5.4
1/19/2020 3:00	152	0.34	5.4
1/19/2020 3:30	128	0.29	5.4
1/19/2020 4:00	153	0.34	5.4
1/19/2020 4:30	154	0.34	5.4
1/19/2020 5:00	157	0.35	5.4
1/19/2020 5:30	156	0.35	5.4
1/19/2020 6:00	158	0.35	5.3
1/19/2020 6:30	159	0.35	5.3
1/19/2020 7:00	158	0.35	5.3
1/19/2020 7:30	162	0.36	5.3
1/19/2020 8:00	153	0.34	5.3
1/19/2020 8:30	139	0.31	5.3
1/19/2020 9:00	152	0.34	5.3
1/19/2020 9:30	153	0.34	5.2
1/19/2020 10:00	156	0.35	5.2
1/19/2020 10:30	156	0.35	5.2
1/19/2020 11:00	154	0.34	5.2
1/19/2020 11:30	140	0.31	5.2
1/19/2020 12:00	158	0.35	5.2
1/19/2020 12:30	151	0.34	5.2
1/19/2020 13:00	156	0.35	5.2
1/19/2020 13:30	145	0.32	5.2
1/19/2020 14:00	155	0.34	5.2
1/19/2020 14:30	152	0.34	5.1
1/19/2020 15:00	157	0.35	5.1
1/19/2020 15:30	175	0.39	5.1
1/19/2020 16:00	147	0.33	5.1
1/19/2020 16:30	165	0.37	5.1
1/19/2020 17:00	138	0.31	5.1
1/19/2020 17:30	157	0.35	5.1
1/19/2020 18:00	120	0.27	5.1
1/19/2020 18:30	141	0.31	5.1
1/19/2020 19:00	113	0.25	5.1

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/19/2020 19:30	132	0.29	5.1
1/19/2020 20:00	113	0.25	5.1
1/19/2020 20:30	130	0.29	5.0
1/19/2020 21:00	111	0.25	5.0
1/19/2020 21:30	138	0.31	5.0
1/19/2020 22:00	108	0.24	5.0
1/19/2020 22:30	133	0.30	5.0
1/19/2020 23:00	112	0.25	5.0
1/19/2020 23:30	129	0.29	5.0
1/20/2020 0:00	113	0.25	5.0
1/20/2020 0:30	120	0.27	5.0
1/20/2020 1:00	114	0.25	5.0
1/20/2020 1:30	128	0.28	5.0
1/20/2020 2:00	114	0.26	5.0
1/20/2020 2:30	120	0.27	5.0
1/20/2020 3:00	118	0.26	5.0
1/20/2020 3:30	125	0.28	5.0
1/20/2020 4:00	121	0.27	5.0
1/20/2020 4:30	131	0.29	4.9
1/20/2020 5:00	124	0.28	4.9
1/24/2020 20:00	137	0.31	2.7
1/24/2020 20:30	127	0.28	2.7
1/24/2020 21:00	142	0.32	2.7
1/24/2020 21:30	126	0.28	2.7
1/24/2020 22:00	142	0.32	2.7
1/24/2020 22:30	129	0.29	2.7
1/24/2020 23:00	147	0.33	2.7
1/24/2020 23:30	130	0.29	2.7
1/25/2020 0:00	144	0.32	2.7
1/25/2020 0:30	130	0.29	2.6
1/25/2020 1:00	195	0.43	2.7
1/25/2020 1:30	147	0.33	2.7
1/25/2020 2:00	193	0.43	2.7
1/25/2020 2:30	203	0.45	2.7
1/25/2020 3:00	184	0.41	2.7
1/25/2020 3:30	174	0.39	2.7
1/25/2020 4:00	159	0.35	2.7
1/25/2020 4:30	150	0.33	2.7
1/25/2020 5:00	149	0.33	2.7
1/25/2020 5:30	146	0.33	2.7
1/25/2020 6:00	136	0.30	2.7
1/25/2020 6:30	140	0.31	2.7
1/25/2020 7:00	128	0.29	2.7
1/25/2020 7:30	137	0.31	2.7
1/25/2020 8:00	125	0.28	2.7
1/25/2020 8:30	130	0.29	2.7
1/25/2020 9:00	125	0.28	2.7
1/25/2020 9:30	142	0.32	2.7
1/25/2020 10:00	126	0.28	2.7
1/25/2020 10:30	127	0.28	2.7
1/25/2020 11:00	134	0.30	2.7
1/25/2020 11:30	129	0.29	2.8
1/25/2020 12:00	143	0.32	2.8
1/25/2020 12:30	128	0.28	2.8
1/25/2020 13:00	158	0.35	2.8
1/25/2020 13:30	156	0.35	2.8
1/25/2020 14:00	155	0.34	2.8
1/25/2020 14:30	157	0.35	2.8
1/25/2020 15:00	148	0.33	2.8
1/25/2020 15:30	143	0.32	2.8
1/25/2020 16:00	136	0.30	2.9

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/25/2020 16:30	133	0.30	2.9
1/25/2020 17:00	119	0.27	2.9
1/25/2020 17:30	130	0.29	2.9
1/25/2020 18:00	110	0.25	2.9
1/25/2020 18:30	122	0.27	2.9
1/25/2020 19:00	110	0.25	3.0
1/25/2020 19:30	116	0.26	3.0
1/25/2020 20:00	109	0.24	3.0
1/25/2020 20:30	109	0.24	3.0
1/25/2020 21:00	110	0.24	3.0
1/25/2020 21:30	113	0.25	3.0
1/25/2020 22:00	109	0.24	3.1
1/25/2020 22:30	112	0.25	3.1
1/25/2020 23:00	98	0.22	3.1
1/25/2020 23:30	99	0.22	3.1
1/26/2020 0:00	99	0.22	3.1
1/26/2020 0:30	97	0.22	3.1
1/26/2020 1:00	99	0.22	3.2
1/26/2020 1:30	104	0.23	3.2
1/26/2020 2:00	100	0.22	3.2
1/26/2020 2:30	96	0.21	3.2
1/26/2020 3:00	100	0.22	3.3
1/27/2020 19:00	157	0.35	5.8
1/27/2020 19:30	98	0.22	5.8
1/27/2020 20:00	95	0.21	5.7
1/27/2020 20:30	103	0.23	5.7
1/27/2020 21:00	109	0.24	5.7
1/27/2020 21:30	111	0.25	5.6
1/27/2020 22:00	105	0.23	5.6
1/27/2020 22:30	108	0.24	5.5
1/27/2020 23:00	108	0.24	5.5
1/27/2020 23:30	101	0.22	5.5
1/28/2020 0:00	102	0.23	5.5
1/28/2020 0:30	102	0.23	5.4
1/28/2020 1:00	109	0.24	5.4
1/28/2020 1:30	98	0.22	5.4
1/28/2020 2:00	101	0.23	5.3
1/28/2020 2:30	97	0.22	5.3
1/28/2020 3:00	98	0.22	5.3
1/28/2020 3:30	96	0.21	5.3
1/28/2020 4:00	97	0.22	5.3
1/28/2020 4:30	103	0.23	5.3
1/28/2020 5:00	116	0.26	5.2
1/28/2020 5:30	106	0.24	5.2
1/28/2020 6:00	124	0.28	5.2
1/28/2020 6:30	109	0.24	5.2
1/28/2020 7:00	125	0.28	5.2
1/28/2020 7:30	105	0.23	5.2
1/28/2020 8:00	120	0.27	5.2
1/28/2020 8:30	104	0.23	5.3
1/28/2020 9:00	119	0.27	5.3
1/28/2020 9:30	98	0.22	5.3
1/28/2020 10:00	107	0.24	5.3
1/28/2020 10:30	95	0.21	5.3
1/28/2020 11:00	91	0.20	5.3
1/28/2020 11:30	100	0.22	5.3
1/28/2020 12:00	91	0.20	5.4
1/28/2020 12:30	115	0.26	5.4
1/28/2020 13:00	106	0.24	5.4
1/28/2020 13:30	118	0.26	5.4
1/28/2020 14:00	104	0.23	5.4

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/28/2020 14:30	124	0.28	5.4
1/28/2020 15:00	120	0.27	5.4
1/28/2020 15:30	122	0.27	5.5
1/28/2020 16:00	120	0.27	5.5
1/28/2020 16:30	122	0.27	5.5
1/28/2020 17:00	131	0.29	5.5
1/28/2020 17:30	109	0.24	5.5
1/28/2020 18:00	123	0.27	5.5
1/28/2020 18:30	94	0.21	5.5
1/28/2020 19:00	100	0.22	5.5
1/28/2020 19:30	95	0.21	5.5
1/31/2020 15:00	95	0.21	4.9
1/31/2020 15:30	113	0.25	4.9
1/31/2020 16:00	95	0.21	4.9
1/31/2020 16:30	117	0.26	4.9
1/31/2020 17:00	100	0.22	4.9
1/31/2020 17:30	125	0.28	4.9
1/31/2020 18:00	136	0.30	4.9
1/31/2020 18:30	121	0.27	4.9
1/31/2020 19:00	119	0.26	4.9
1/31/2020 19:30	128	0.29	4.9
1/31/2020 20:00	172	0.38	4.9
1/31/2020 20:30	204	0.45	4.9
1/31/2020 21:00	192	0.43	4.9
1/31/2020 21:30	244	0.54	4.9
1/31/2020 22:00	241	0.54	4.9
1/31/2020 22:30	287	0.64	4.9
1/31/2020 23:00	253	0.56	4.9
1/31/2020 23:30	279	0.62	4.9
2/1/2020 0:00	238	0.53	4.9
2/1/2020 0:30	248	0.55	4.9
2/1/2020 1:00	215	0.48	4.9
2/1/2020 1:30	226	0.50	4.9
2/1/2020 2:00	207	0.46	4.9
2/1/2020 2:30	218	0.49	4.9
2/1/2020 3:00	190	0.42	4.9
2/1/2020 3:30	212	0.47	4.9
2/1/2020 4:00	204	0.45	4.9
2/1/2020 4:30	198	0.44	4.9
2/1/2020 5:00	151	0.34	4.9
2/1/2020 5:30	188	0.42	4.9
2/1/2020 6:00	229	0.51	4.9
2/1/2020 6:30	181	0.40	4.9
2/1/2020 7:00	179	0.40	4.8
2/1/2020 7:30	176	0.39	4.8
2/1/2020 8:00	152	0.34	4.8
2/1/2020 8:30	172	0.38	4.8
2/1/2020 9:00	189	0.42	4.8
2/1/2020 9:30	166	0.37	4.8
2/1/2020 10:00	139	0.31	4.8
2/1/2020 10:30	167	0.37	4.8
2/1/2020 11:00	154	0.34	4.7
2/1/2020 11:30	159	0.35	4.7
2/1/2020 12:00	139	0.31	4.7
2/1/2020 12:30	158	0.35	4.7
2/1/2020 13:00	135	0.30	4.7
2/1/2020 13:30	154	0.34	4.7
2/1/2020 14:00	111	0.25	4.7
2/1/2020 14:30	141	0.31	4.7
2/1/2020 15:00	133	0.30	4.7
2/1/2020 15:30	139	0.31	4.7

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
2/1/2020 16:00	134	0.30	4.7
2/1/2020 16:30	138	0.31	4.7
2/1/2020 17:00	136	0.30	4.7
2/1/2020 17:30	133	0.30	4.7
2/1/2020 18:00	142	0.32	4.7
2/1/2020 18:30	131	0.29	4.7
2/1/2020 19:00	126	0.28	4.7
2/1/2020 19:30	132	0.29	4.7
2/1/2020 20:00	130	0.29	4.7
2/1/2020 20:30	127	0.28	4.7
2/1/2020 21:00	125	0.28	4.7
2/1/2020 21:30	123	0.27	4.7
2/1/2020 22:00	122	0.27	4.7
2/1/2020 22:30	119	0.27	4.7
2/1/2020 23:00	111	0.25	4.7
2/1/2020 23:30	118	0.26	4.7
2/2/2020 0:00	109	0.24	4.7
2/2/2020 0:30	116	0.26	4.7
2/2/2020 1:00	121	0.27	4.7
2/2/2020 1:30	110	0.24	4.7
2/2/2020 2:00	115	0.26	4.7
2/2/2020 2:30	112	0.25	4.7
2/2/2020 3:00	116	0.26	4.7
2/2/2020 3:30	108	0.24	4.7
2/2/2020 4:00	118	0.26	4.7
2/2/2020 4:30	110	0.24	4.7
2/2/2020 5:00	110	0.25	4.8
2/2/2020 5:30	108	0.24	4.8
2/2/2020 6:00	123	0.27	4.8
2/2/2020 6:30	104	0.23	4.8
2/2/2020 7:00	111	0.25	4.8
2/2/2020 7:30	104	0.23	4.8
2/2/2020 8:00	111	0.25	4.8
3/15/2020 3:30	123	0.27	2.8
3/15/2020 4:00	143	0.32	2.7
3/15/2020 4:30	102	0.23	2.7
3/15/2020 5:00	107	0.24	2.7
3/15/2020 5:30	108	0.24	2.8
3/15/2020 6:00	109	0.24	2.7
3/15/2020 6:30	114	0.25	2.7
3/15/2020 7:00	147	0.33	2.7
3/15/2020 7:30	85	0.19	2.7
3/15/2020 8:00	92	0.21	2.7
3/15/2020 8:30	62	0.14	2.7
3/15/2020 9:00	76	0.17	2.7
3/15/2020 9:30	83	0.18	2.7
3/15/2020 10:00	92	0.20	2.7
3/15/2020 10:30	98	0.22	2.7
3/15/2020 11:00	96	0.21	2.7
3/15/2020 11:30	91	0.20	2.7
3/15/2020 12:00	88	0.20	2.7
3/15/2020 12:30	110	0.25	2.7
3/15/2020 13:00	114	0.25	2.7
3/15/2020 13:30	117	0.26	2.7
3/15/2020 14:00	110	0.25	2.7
3/15/2020 14:30	110	0.24	2.7
3/15/2020 15:00	93	0.21	2.7
3/15/2020 15:30	96	0.21	2.7
3/15/2020 16:00	107	0.24	2.7
3/15/2020 16:30	87	0.19	2.7
3/15/2020 17:00	91	0.20	2.7

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/15/2020 17:30	77	0.17	2.7
3/15/2020 18:00	89	0.20	2.7
3/15/2020 18:30	75	0.17	2.7
3/15/2020 19:00	85	0.19	2.7
3/15/2020 19:30	70	0.16	2.7
3/15/2020 20:00	78	0.17	2.7
3/15/2020 20:30	76	0.17	2.7
3/15/2020 21:00	86	0.19	2.7
3/15/2020 21:30	79	0.18	2.7
3/15/2020 22:00	81	0.18	2.7
3/15/2020 22:30	86	0.19	2.7
3/15/2020 23:00	86	0.19	2.7
3/15/2020 23:30	97	0.22	2.7
3/16/2020 0:00	94	0.21	2.7
3/16/2020 0:30	98	0.22	2.7
3/16/2020 1:00	89	0.20	2.7
3/16/2020 1:30	102	0.23	2.7
3/16/2020 2:00	104	0.23	2.7
3/16/2020 2:30	90	0.20	2.7
3/16/2020 3:00	94	0.21	2.7
3/16/2020 3:30	83	0.18	2.7
3/16/2020 4:00	89	0.20	2.7
3/16/2020 4:30	82	0.18	2.7
3/16/2020 5:00	83	0.18	2.7
3/16/2020 5:30	84	0.19	2.7
3/16/2020 6:00	92	0.20	2.7
3/16/2020 6:30	85	0.19	2.7
3/16/2020 7:00	88	0.20	2.7
3/17/2020 7:00	98	0.22	2.6
3/17/2020 7:30	104	0.23	2.6
3/17/2020 8:00	107	0.24	2.6
3/17/2020 8:30	150	0.33	2.6
3/17/2020 9:00	141	0.31	2.6
3/17/2020 9:30	130	0.29	2.6
3/17/2020 10:00	117	0.26	2.6
3/17/2020 10:30	120	0.27	2.6
3/17/2020 11:00	107	0.24	2.6
3/17/2020 11:30	126	0.28	2.6
3/17/2020 12:00	117	0.26	2.6
3/17/2020 12:30	129	0.29	2.6
3/17/2020 13:00	108	0.24	2.6
3/17/2020 13:30	143	0.32	2.6
3/17/2020 14:00	140	0.31	2.6
3/17/2020 14:30	126	0.28	2.6
3/17/2020 15:00	109	0.24	2.6
3/17/2020 15:30	116	0.26	2.6
3/17/2020 16:00	120	0.27	2.6
3/17/2020 16:30	108	0.24	2.6
3/17/2020 17:00	108	0.24	2.6
3/17/2020 17:30	87	0.19	2.6
3/17/2020 18:00	93	0.21	2.6
3/17/2020 18:30	80	0.18	2.6
3/17/2020 19:00	85	0.19	2.6
3/17/2020 19:30	83	0.19	2.6
3/17/2020 20:00	95	0.21	2.6
3/17/2020 20:30	90	0.20	2.6
3/17/2020 21:00	98	0.22	2.6
3/17/2020 21:30	86	0.19	2.6
3/17/2020 22:00	94	0.21	2.6
3/17/2020 22:30	88	0.20	2.6
3/17/2020 23:00	89	0.20	2.6

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/17/2020 23:30	101	0.23	2.6
3/18/2020 0:00	106	0.24	2.6
3/18/2020 0:30	97	0.22	2.6
3/18/2020 1:00	92	0.21	2.6
3/18/2020 1:30	98	0.22	2.6
3/18/2020 2:00	95	0.21	2.6
3/18/2020 2:30	103	0.23	2.6
3/18/2020 3:00	112	0.25	2.6
3/18/2020 3:30	90	0.20	2.6
3/18/2020 4:00	96	0.21	2.6
3/18/2020 4:30	77	0.17	2.6
3/18/2020 5:00	86	0.19	2.6
3/18/2020 5:30	78	0.17	2.6
3/18/2020 6:00	85	0.19	2.6
3/18/2020 6:30	83	0.19	2.6
3/18/2020 7:00	91	0.20	2.6
3/18/2020 7:30	83	0.18	2.5
3/18/2020 8:00	93	0.21	2.5
3/18/2020 8:30	73	0.16	2.5
3/18/2020 9:00	80	0.18	2.5
3/18/2020 9:30	78	0.17	2.5
3/18/2020 10:00	88	0.20	2.5
3/19/2020 10:30	107	0.24	2.4
3/19/2020 11:00	103	0.23	2.4
3/19/2020 11:30	131	0.29	2.4
3/19/2020 12:00	118	0.26	2.4
3/19/2020 12:30	151	0.34	2.4
3/19/2020 13:00	133	0.30	2.4
3/19/2020 13:30	163	0.36	2.4
3/19/2020 14:00	146	0.33	2.4
3/19/2020 14:30	144	0.32	2.4
3/19/2020 15:00	130	0.29	2.4
3/19/2020 15:30	134	0.30	2.4
3/19/2020 16:00	130	0.29	2.4
3/19/2020 16:30	117	0.26	2.4
3/19/2020 17:00	113	0.25	2.4
3/19/2020 17:30	106	0.24	2.4
3/19/2020 18:00	113	0.25	2.4
3/19/2020 18:30	100	0.22	2.4
3/19/2020 19:00	107	0.24	2.4
3/19/2020 19:30	94	0.21	2.3
3/19/2020 20:00	103	0.23	2.3
3/19/2020 20:30	94	0.21	2.3
3/19/2020 21:00	104	0.23	2.3
3/19/2020 21:30	94	0.21	2.3
3/19/2020 22:00	95	0.21	2.3
3/19/2020 22:30	108	0.24	2.3
3/19/2020 23:00	107	0.24	2.3
3/19/2020 23:30	120	0.27	2.3
3/20/2020 0:00	122	0.27	2.3
3/20/2020 0:30	118	0.26	2.3
3/20/2020 1:00	107	0.24	2.3
3/20/2020 1:30	109	0.24	2.3
3/20/2020 2:00	107	0.24	2.3
3/20/2020 2:30	114	0.25	2.3
3/20/2020 3:00	121	0.27	2.3
3/20/2020 3:30	100	0.22	2.3
3/20/2020 4:00	97	0.22	2.3
3/20/2020 4:30	88	0.20	2.3
3/20/2020 5:00	93	0.21	2.3
3/20/2020 5:30	101	0.23	2.3

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/20/2020 6:00	109	0.24	2.3
3/20/2020 6:30	106	0.24	2.3
3/20/2020 7:00	106	0.24	2.3
3/20/2020 7:30	110	0.24	2.3
3/20/2020 8:00	119	0.26	2.3
3/20/2020 8:30	94	0.21	2.3
3/20/2020 9:00	97	0.22	2.3
3/20/2020 9:30	107	0.24	2.3
3/20/2020 10:00	109	0.24	2.3
3/21/2020 12:00	113	0.25	2.3
3/21/2020 12:30	142	0.32	2.3
3/21/2020 13:00	132	0.29	2.3
3/21/2020 13:30	155	0.34	2.3
3/21/2020 14:00	143	0.32	2.3
3/21/2020 14:30	140	0.31	2.3
3/21/2020 15:00	124	0.28	2.3
3/21/2020 15:30	121	0.27	2.3
3/21/2020 16:00	120	0.27	2.3
3/21/2020 16:30	106	0.24	2.3
3/21/2020 17:00	111	0.25	2.3
3/21/2020 17:30	91	0.20	2.3
3/21/2020 18:00	100	0.22	2.3
3/21/2020 18:30	88	0.20	2.3
3/21/2020 19:00	102	0.23	2.3
3/21/2020 19:30	75	0.17	2.3
3/21/2020 20:00	85	0.19	2.3
3/21/2020 20:30	70	0.16	2.3
3/21/2020 21:00	83	0.18	2.3
3/21/2020 21:30	88	0.20	2.3
3/21/2020 22:00	106	0.24	2.3
3/21/2020 22:30	79	0.17	2.3
3/21/2020 23:00	90	0.20	2.3
3/21/2020 23:30	69	0.15	2.3
3/22/2020 0:00	84	0.19	2.3
3/22/2020 0:30	79	0.18	2.2
3/22/2020 1:00	94	0.21	2.2
3/22/2020 1:30	89	0.20	2.2
3/22/2020 2:00	96	0.21	2.2
3/22/2020 2:30	95	0.21	2.2
3/22/2020 3:00	101	0.22	2.3
3/22/2020 3:30	90	0.20	2.2
3/22/2020 4:00	90	0.20	2.2
3/22/2020 4:30	74	0.16	2.2
3/22/2020 5:00	81	0.18	2.2
3/22/2020 5:30	70	0.16	2.2
3/22/2020 6:00	79	0.18	2.2
3/22/2020 6:30	69	0.15	2.2
3/22/2020 7:00	75	0.17	2.2
3/22/2020 7:30	74	0.17	2.2
3/22/2020 8:00	85	0.19	2.2
3/22/2020 8:30	71	0.16	2.2
3/22/2020 9:00	74	0.16	2.2
3/22/2020 9:30	80	0.18	2.2
3/22/2020 10:00	90	0.20	2.2
3/22/2020 10:30	85	0.19	2.2
3/22/2020 11:00	88	0.20	2.2
3/22/2020 11:30	93	0.21	2.2
3/22/2020 12:00	86	0.19	2.2
3/22/2020 12:30	107	0.24	2.2
3/22/2020 13:00	103	0.23	2.2
3/22/2020 13:30	112	0.25	2.2

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/22/2020 14:00	96	0.21	2.2
3/22/2020 14:30	115	0.26	2.2
3/22/2020 15:00	118	0.26	2.3
3/22/2020 15:30	95	0.21	2.2
3/22/2020 16:00	92	0.21	2.2
3/22/2020 16:30	85	0.19	2.2
3/22/2020 17:00	85	0.19	2.2
3/22/2020 17:30	83	0.18	2.2
3/22/2020 18:00	81	0.18	2.2
3/22/2020 18:30	91	0.20	2.2
3/22/2020 19:00	99	0.22	2.2
3/22/2020 19:30	86	0.19	2.2
3/22/2020 20:00	75	0.17	2.2
3/22/2020 20:30	86	0.19	2.2
3/22/2020 21:00	91	0.20	2.2
3/22/2020 21:30	105	0.23	2.2
3/22/2020 22:00	101	0.22	2.2
3/22/2020 22:30	104	0.23	2.2
3/22/2020 23:00	96	0.21	2.2
3/22/2020 23:30	106	0.24	2.2
3/23/2020 0:00	107	0.24	2.2
3/23/2020 0:30	115	0.26	2.2
3/23/2020 1:00	100	0.22	2.2
3/23/2020 1:30	107	0.24	2.2
3/23/2020 2:00	90	0.20	2.2
3/23/2020 2:30	119	0.26	2.3
3/23/2020 3:00	113	0.25	2.3
3/23/2020 3:30	107	0.24	2.3
3/23/2020 4:00	109	0.24	2.3
3/23/2020 4:30	107	0.24	2.3
3/23/2020 5:00	101	0.22	2.3
3/23/2020 5:30	96	0.21	2.3
3/23/2020 6:00	85	0.19	2.3
3/23/2020 6:30	100	0.22	2.3
3/23/2020 7:00	103	0.23	2.3
3/23/2020 7:30	112	0.25	2.3
3/23/2020 8:00	102	0.23	2.3
3/23/2020 8:30	117	0.26	2.3
3/23/2020 9:00	121	0.27	2.3
3/23/2020 9:30	87	0.19	2.3
3/23/2020 10:00	83	0.19	2.3
3/23/2020 10:30	83	0.19	2.3
3/23/2020 11:00	84	0.19	2.3
3/23/2020 11:30	122	0.27	2.3
3/23/2020 12:00	104	0.23	2.3
3/23/2020 12:30	153	0.34	2.3
3/23/2020 13:00	127	0.28	2.3
3/23/2020 13:30	141	0.31	2.3
3/23/2020 14:00	133	0.30	2.3
3/23/2020 14:30	116	0.26	2.3
3/23/2020 15:00	106	0.24	2.3
3/23/2020 15:30	106	0.24	2.3
3/23/2020 16:00	101	0.22	2.3
3/23/2020 16:30	110	0.24	2.3
3/23/2020 17:00	96	0.21	2.3
3/23/2020 17:30	108	0.24	2.3
3/23/2020 18:00	106	0.24	2.4
3/23/2020 18:30	97	0.22	2.4
3/23/2020 19:00	103	0.23	2.4
3/23/2020 19:30	88	0.20	2.4
3/23/2020 20:00	89	0.20	2.4

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/23/2020 20:30	84	0.19	2.4
3/23/2020 21:00	94	0.21	2.4
3/23/2020 21:30	102	0.23	2.4
3/23/2020 22:00	92	0.20	2.4
3/23/2020 22:30	109	0.24	2.5
3/23/2020 23:00	98	0.22	2.5
3/23/2020 23:30	116	0.26	2.5
3/24/2020 0:00	114	0.25	2.5
3/24/2020 0:30	99	0.22	2.5
3/24/2020 1:00	87	0.19	2.5
3/24/2020 1:30	99	0.22	2.5
3/24/2020 2:00	104	0.23	2.5
3/24/2020 2:30	117	0.26	2.5
3/24/2020 3:00	111	0.25	2.5
3/24/2020 3:30	99	0.22	2.5
3/24/2020 4:00	98	0.22	2.6
3/24/2020 4:30	82	0.18	2.6
3/24/2020 5:00	82	0.18	2.6
3/24/2020 5:30	78	0.17	2.6
3/24/2020 16:30	138	0.31	2.6
3/24/2020 17:00	143	0.32	2.6
3/24/2020 17:30	126	0.28	2.7
3/24/2020 18:00	96	0.21	2.7
3/24/2020 18:30	142	0.32	2.6
3/24/2020 19:00	128	0.29	2.7
3/24/2020 19:30	143	0.32	2.7
3/24/2020 20:00	128	0.28	2.7
3/24/2020 20:30	135	0.30	2.7
3/24/2020 21:00	117	0.26	2.7
3/24/2020 21:30	137	0.31	2.7
3/24/2020 22:00	115	0.26	2.7
3/24/2020 22:30	139	0.31	2.7
3/24/2020 23:00	121	0.27	2.7
3/24/2020 23:30	142	0.32	2.7
3/25/2020 0:00	131	0.29	2.7
3/25/2020 0:30	137	0.30	2.7
3/25/2020 1:00	118	0.26	2.7
3/25/2020 1:30	147	0.33	2.7
3/25/2020 2:00	119	0.27	2.7
3/25/2020 2:30	148	0.33	2.7
3/25/2020 3:00	117	0.26	2.7
3/25/2020 3:30	134	0.30	2.7
3/25/2020 4:00	132	0.29	2.7
3/25/2020 4:30	407	0.91	2.7
3/25/2020 5:00	582	1.30	2.8
3/25/2020 5:30	450	1.00	2.8
3/25/2020 6:00	411	0.92	2.8
3/25/2020 6:30	360	0.80	2.8
3/25/2020 7:00	389	0.87	2.9
3/25/2020 7:30	293	0.65	2.9
3/25/2020 8:00	301	0.67	3.0
3/25/2020 8:30	220	0.49	3.0
3/25/2020 9:00	212	0.47	3.0
3/25/2020 9:30	187	0.42	3.1
3/25/2020 10:00	193	0.43	3.1
3/25/2020 10:30	181	0.40	3.1
3/25/2020 11:00	185	0.41	3.2
3/25/2020 11:30	178	0.40	3.2
3/25/2020 12:00	167	0.37	3.2
3/25/2020 12:30	180	0.40	3.2
3/25/2020 13:00	173	0.39	3.3

TABLE B14
HISTORICAL SEEP B FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/25/2020 13:30	182	0.41	3.3
3/25/2020 14:00	188	0.42	3.3
3/25/2020 14:30	159	0.35	3.4
3/25/2020 15:00	165	0.37	3.4
3/25/2020 15:30	137	0.31	3.4
3/25/2020 16:00	146	0.33	3.4
3/25/2020 16:30	125	0.28	3.4
3/25/2020 17:00	127	0.28	3.5
3/25/2020 17:30	122	0.27	3.5
3/25/2020 18:00	153	0.34	3.5
3/25/2020 18:30	104	0.23	3.5
3/25/2020 19:00	117	0.26	3.6
3/25/2020 19:30	88	0.20	3.6
3/25/2020 20:00	106	0.24	3.6
3/25/2020 20:30	97	0.22	3.6
3/25/2020 21:00	114	0.26	3.6
3/25/2020 21:30	113	0.25	3.7
3/25/2020 22:00	127	0.28	3.7
3/25/2020 22:30	114	0.26	3.7
3/25/2020 23:00	117	0.26	3.8
3/25/2020 23:30	108	0.24	3.8
3/26/2020 0:00	114	0.25	3.8
3/26/2020 0:30	112	0.25	3.9
3/26/2020 1:00	115	0.26	3.9
3/26/2020 1:30	125	0.28	3.9
3/26/2020 2:00	131	0.29	4.0
3/26/2020 2:30	120	0.27	4.0
3/26/2020 3:00	128	0.29	4.0
3/26/2020 3:30	99	0.22	4.1
3/26/2020 4:00	105	0.23	4.2
3/26/2020 4:30	90	0.20	4.2
3/26/2020 5:00	104	0.23	4.3
3/26/2020 5:30	94	0.21	4.3
3/26/2020 6:00	105	0.23	4.4
3/26/2020 6:30	101	0.22	4.5
3/26/2020 7:00	103	0.23	4.5
3/26/2020 7:30	104	0.23	4.6
3/26/2020 8:00	113	0.25	4.7
3/26/2020 8:30	103	0.23	4.8
3/26/2020 9:00	111	0.25	4.8
3/26/2020 9:30	105	0.23	4.9
3/31/2020 17:30	177	0.40	4.0
3/31/2020 18:00	193	0.43	4.0
3/31/2020 18:30	130	0.29	4.0
3/31/2020 19:00	130	0.29	4.0
3/31/2020 19:30	88	0.20	3.9
3/31/2020 20:00	107	0.24	3.9
3/31/2020 20:30	157	0.35	3.9
3/31/2020 21:00	157	0.35	3.9
3/31/2020 21:30	147	0.33	3.9
3/31/2020 22:00	118	0.26	3.9
3/31/2020 22:30	119	0.27	3.9
3/31/2020 23:00	124	0.28	3.9
3/31/2020 23:30	104	0.23	3.9
Median Flow Rate	127	0.28	

Notes

Measurements are recorded from the flume at Seep B.

Median flow rate was used for mass loading calculations at Seep B for January 2021.

ft³/sec - cubic feet per second

ft - feet

gpm - gallons per minute

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/2/2020 22:30	23	0.05	3.0
1/2/2020 23:00	22	0.05	3.0
1/2/2020 23:30	23	0.05	3.0
1/3/2020 0:00	14	0.03	3.0
1/3/2020 0:30	23	0.05	3.0
1/3/2020 1:00	21	0.05	3.0
1/3/2020 1:30	22	0.05	3.0
1/3/2020 2:00	17	0.04	3.0
1/3/2020 2:30	24	0.05	2.9
1/3/2020 3:00	25	0.06	3.0
1/3/2020 3:30	24	0.05	3.0
1/3/2020 4:00	21	0.05	2.9
1/3/2020 4:30	23	0.05	2.9
1/3/2020 5:00	22	0.05	2.9
1/3/2020 5:30	29	0.07	2.9
1/3/2020 6:00	27	0.06	2.9
1/3/2020 6:30	30	0.07	2.9
1/3/2020 7:00	37	0.08	2.9
1/3/2020 7:30	34	0.08	2.9
1/3/2020 8:00	42	0.09	2.9
1/3/2020 8:30	29	0.06	2.9
1/3/2020 9:00	30	0.07	2.9
1/3/2020 9:30	28	0.06	2.9
1/3/2020 10:00	25	0.06	2.9
1/3/2020 10:30	28	0.06	2.9
1/3/2020 11:00	23	0.05	2.9
1/3/2020 11:30	26	0.06	2.9
1/3/2020 12:00	20	0.04	2.9
1/3/2020 12:30	22	0.05	2.9
1/3/2020 13:00	13	0.03	2.9
1/3/2020 13:30	23	0.05	2.9
1/3/2020 14:00	18	0.04	2.9
1/3/2020 14:30	22	0.05	2.9
1/3/2020 15:00	14	0.03	2.9
1/3/2020 15:30	35	0.08	2.9
1/3/2020 16:00	41	0.09	2.9
1/3/2020 16:30	31	0.07	2.9
1/3/2020 17:00	33	0.07	2.9
1/3/2020 17:30	27	0.06	2.9
1/3/2020 18:00	28	0.06	2.9
1/3/2020 18:30	33	0.07	2.9
1/3/2020 19:00	39	0.09	2.9
1/3/2020 19:30	34	0.08	2.9
1/3/2020 20:00	37	0.08	2.8
1/3/2020 20:30	31	0.07	2.8
1/3/2020 21:00	38	0.08	2.8
1/3/2020 21:30	50	0.11	2.8
1/3/2020 22:00	87	0.19	2.9
1/3/2020 22:30	269	0.60	2.9
1/3/2020 23:00	203	0.45	2.9
1/3/2020 23:30	145	0.32	2.9
1/4/2020 0:00	89	0.20	2.9
1/4/2020 0:30	89	0.20	2.9
1/4/2020 1:00	151	0.34	2.9
1/4/2020 1:30	183	0.41	2.9
1/4/2020 2:00	156	0.35	2.9
1/4/2020 2:30	125	0.28	2.9
1/4/2020 3:00	106	0.24	2.9
1/4/2020 3:30	105	0.23	3.0
1/4/2020 4:00	112	0.25	3.0
1/4/2020 4:30	125	0.28	3.0

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/4/2020 5:00	122	0.27	3.0
1/4/2020 5:30	94	0.21	3.0
1/4/2020 6:00	84	0.19	3.0
1/4/2020 6:30	100	0.22	3.1
1/4/2020 7:00	135	0.30	3.1
1/4/2020 7:30	115	0.26	3.1
1/4/2020 8:00	105	0.23	3.1
1/4/2020 8:30	132	0.29	3.2
1/4/2020 9:00	195	0.44	3.2
1/4/2020 9:30	185	0.41	3.2
1/4/2020 10:00	173	0.39	3.2
1/4/2020 10:30	139	0.31	3.3
1/4/2020 11:00	103	0.23	3.3
1/4/2020 11:30	104	0.23	3.3
1/4/2020 12:00	71	0.16	3.4
1/4/2020 12:30	95	0.21	3.4
1/4/2020 13:00	69	0.15	3.5
1/4/2020 13:30	86	0.19	3.5
1/4/2020 14:00	71	0.16	3.5
1/4/2020 14:30	86	0.19	3.5
1/4/2020 15:00	73	0.16	3.6
1/4/2020 15:30	80	0.18	3.6
1/4/2020 16:00	76	0.17	3.7
1/4/2020 16:30	80	0.18	3.7
1/4/2020 17:00	82	0.18	3.7
1/4/2020 17:30	80	0.18	3.8
1/4/2020 18:00	89	0.20	3.8
1/4/2020 18:30	75	0.17	3.9
1/4/2020 19:00	82	0.18	3.9
1/4/2020 19:30	73	0.16	4.0
1/4/2020 20:00	90	0.20	4.0
1/4/2020 20:30	87	0.19	4.1
1/4/2020 21:00	119	0.26	4.2
1/4/2020 21:30	69	0.15	4.2
1/4/2020 22:00	91	0.20	4.3
1/4/2020 22:30	70	0.16	4.4
1/4/2020 23:00	102	0.23	4.5
1/4/2020 23:30	58	0.13	4.5
1/5/2020 0:00	70	0.16	4.6
1/5/2020 0:30	58	0.13	4.7
1/5/2020 1:00	82	0.18	4.7
1/5/2020 1:30	54	0.12	4.8
1/5/2020 2:00	69	0.15	4.9
1/5/2020 2:30	47	0.11	5.0
1/5/2020 3:00	52	0.12	5.1
1/5/2020 3:30	47	0.10	5.1
1/5/2020 4:00	53	0.12	5.2
1/5/2020 4:30	50	0.11	5.3
1/5/2020 5:00	54	0.12	5.3
1/5/2020 5:30	51	0.11	5.4
1/5/2020 6:00	61	0.14	5.5
1/5/2020 6:30	48	0.11	5.5
1/5/2020 7:00	56	0.13	5.6
1/5/2020 7:30	51	0.11	5.7
1/5/2020 8:00	64	0.14	5.7
1/5/2020 8:30	55	0.12	5.8
1/5/2020 9:00	74	0.17	5.8
1/5/2020 9:30	42	0.09	5.9
1/5/2020 10:00	49	0.11	5.9
1/11/2020 12:00	21	0.05	4.6
1/11/2020 12:30	25	0.06	4.6

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/11/2020 13:00	17	0.04	4.5
1/11/2020 13:30	27	0.06	4.5
1/11/2020 14:00	20	0.05	4.5
1/11/2020 14:30	34	0.08	4.4
1/11/2020 15:00	33	0.07	4.4
1/11/2020 15:30	32	0.07	4.4
1/11/2020 16:00	25	0.06	4.3
1/11/2020 16:30	33	0.07	4.3
1/11/2020 17:00	33	0.07	4.3
1/11/2020 17:30	32	0.07	4.3
1/11/2020 18:00	26	0.06	4.3
1/11/2020 18:30	32	0.07	4.2
1/11/2020 19:00	26	0.06	4.2
1/11/2020 19:30	32	0.07	4.2
1/11/2020 20:00	27	0.06	4.2
1/11/2020 20:30	35	0.08	4.1
1/11/2020 21:00	42	0.09	4.1
1/11/2020 21:30	34	0.08	4.1
1/11/2020 22:00	34	0.07	4.1
1/11/2020 22:30	40	0.09	4.1
1/11/2020 23:00	42	0.09	4.1
1/11/2020 23:30	30	0.07	4.0
1/12/2020 0:00	24	0.05	4.0
1/12/2020 0:30	35	0.08	4.0
1/12/2020 1:00	43	0.10	4.0
1/12/2020 1:30	49	0.11	4.0
1/12/2020 2:00	59	0.13	4.0
1/12/2020 2:30	67	0.15	4.0
1/12/2020 3:00	72	0.16	4.0
1/12/2020 3:30	74	0.17	4.0
1/12/2020 4:00	89	0.20	4.0
1/12/2020 4:30	51	0.11	4.0
1/12/2020 5:00	59	0.13	4.0
1/12/2020 5:30	50	0.11	4.0
1/12/2020 6:00	62	0.14	4.0
1/12/2020 6:30	61	0.14	4.0
1/12/2020 7:00	60	0.13	4.0
1/12/2020 7:30	60	0.13	4.0
1/12/2020 8:00	75	0.17	4.0
1/12/2020 8:30	56	0.12	4.0
1/12/2020 9:00	72	0.16	4.0
1/12/2020 9:30	56	0.12	4.0
1/12/2020 10:00	68	0.15	4.0
1/12/2020 10:30	40	0.09	4.0
1/12/2020 11:00	34	0.08	4.0
1/12/2020 11:30	37	0.08	4.0
1/12/2020 12:00	29	0.07	4.0
1/12/2020 12:30	34	0.08	4.0
1/12/2020 13:00	31	0.07	4.0
1/12/2020 13:30	36	0.08	4.0
1/12/2020 14:00	33	0.07	4.0
1/12/2020 14:30	35	0.08	4.0
1/12/2020 15:00	32	0.07	4.0
1/12/2020 15:30	44	0.10	4.0
1/12/2020 16:00	52	0.12	4.0
1/12/2020 16:30	40	0.09	4.0
1/12/2020 17:00	45	0.10	4.0
1/12/2020 17:30	41	0.09	4.0
1/12/2020 18:00	45	0.10	4.0
1/12/2020 18:30	40	0.09	4.0
1/12/2020 19:00	37	0.08	4.0

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/12/2020 19:30	43	0.10	4.0
1/12/2020 20:00	53	0.12	4.0
1/12/2020 20:30	62	0.14	4.0
1/12/2020 21:00	69	0.15	4.0
1/12/2020 21:30	64	0.14	4.0
1/12/2020 22:00	57	0.13	4.0
1/12/2020 22:30	57	0.13	4.1
1/12/2020 23:00	64	0.14	4.0
1/12/2020 23:30	46	0.10	4.1
1/13/2020 0:00	43	0.10	4.0
1/13/2020 0:30	52	0.12	4.1
1/13/2020 1:00	57	0.13	4.1
1/13/2020 1:30	48	0.11	4.1
1/13/2020 2:00	46	0.10	4.1
1/13/2020 2:30	50	0.11	4.1
1/13/2020 3:00	49	0.11	4.1
1/13/2020 3:30	48	0.11	4.1
1/13/2020 4:00	49	0.11	4.1
1/13/2020 4:30	49	0.11	4.1
1/13/2020 5:00	55	0.12	4.1
1/13/2020 5:30	42	0.09	4.2
1/13/2020 6:00	46	0.10	4.2
1/13/2020 6:30	49	0.11	4.2
1/13/2020 7:00	52	0.12	4.2
1/13/2020 7:30	52	0.11	4.2
1/13/2020 8:00	53	0.12	4.2
1/13/2020 8:30	53	0.12	4.3
1/13/2020 9:00	64	0.14	4.3
1/13/2020 9:30	45	0.10	4.3
1/13/2020 10:00	48	0.11	4.3
1/13/2020 10:30	41	0.09	4.3
1/13/2020 11:00	37	0.08	4.4
1/13/2020 11:30	40	0.09	4.4
1/13/2020 12:00	36	0.08	4.4
1/13/2020 12:30	31	0.07	4.4
1/13/2020 13:00	22	0.05	4.4
1/13/2020 13:30	42	0.09	4.4
1/13/2020 14:00	114	0.25	4.5
1/13/2020 14:30	244	0.54	4.5
1/13/2020 15:00	121	0.27	4.5
1/13/2020 15:30	131	0.29	4.6
1/13/2020 16:00	143	0.32	4.6
1/13/2020 16:30	124	0.28	4.6
1/13/2020 17:00	121	0.27	4.6
1/13/2020 17:30	77	0.17	4.7
1/13/2020 18:00	66	0.15	4.7
1/13/2020 18:30	80	0.18	4.7
1/13/2020 19:00	75	0.17	4.7
1/13/2020 19:30	65	0.14	4.7
1/13/2020 20:00	64	0.14	4.8
1/13/2020 20:30	58	0.13	4.8
1/13/2020 21:00	52	0.12	4.8
1/13/2020 21:30	52	0.12	4.8
1/13/2020 22:00	44	0.10	4.9
1/13/2020 22:30	59	0.13	4.9
1/13/2020 23:00	56	0.12	4.9
1/13/2020 23:30	48	0.11	4.9
1/14/2020 0:00	43	0.10	5.0
1/14/2020 0:30	46	0.10	5.0
1/14/2020 1:00	38	0.09	5.0
1/14/2020 1:30	46	0.10	5.1

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
1/14/2020 2:00	44	0.10	5.1
1/14/2020 2:30	47	0.10	5.1
1/14/2020 3:00	40	0.09	5.1
1/14/2020 3:30	46	0.10	5.1
1/14/2020 4:00	39	0.09	5.2
1/14/2020 4:30	41	0.09	5.2
1/14/2020 5:00	36	0.08	5.2
1/14/2020 5:30	47	0.10	5.2
1/14/2020 6:00	45	0.10	5.2
1/14/2020 6:30	44	0.10	5.3
1/14/2020 7:00	41	0.09	5.3
1/14/2020 7:30	39	0.09	5.3
1/14/2020 8:00	46	0.10	5.3
1/14/2020 8:30	46	0.10	5.4
1/14/2020 9:00	55	0.12	5.4
1/14/2020 9:30	49	0.11	5.4
1/14/2020 10:00	57	0.13	5.4
1/14/2020 10:30	43	0.10	5.5
1/14/2020 11:00	35	0.08	5.5
1/14/2020 11:30	34	0.08	5.5
1/14/2020 12:00	23	0.05	5.6
1/14/2020 12:30	38	0.08	5.6
1/14/2020 13:00	31	0.07	5.6
1/14/2020 13:30	38	0.08	5.7
1/14/2020 14:00	31	0.07	5.7
1/14/2020 14:30	34	0.08	5.7
1/14/2020 15:00	23	0.05	5.8
3/15/2020 3:30	93	0.21	2.8
3/15/2020 4:00	105	0.23	2.7
3/15/2020 4:30	86	0.19	2.7
3/15/2020 5:00	70	0.16	2.7
3/15/2020 5:30	60	0.13	2.8
3/15/2020 6:00	62	0.14	2.7
3/15/2020 6:30	71	0.16	2.7
3/15/2020 7:00	99	0.22	2.7
3/15/2020 7:30	55	0.12	2.7
3/15/2020 8:00	62	0.14	2.7
3/15/2020 8:30	38	0.08	2.7
3/15/2020 9:00	49	0.11	2.7
3/15/2020 9:30	57	0.13	2.7
3/15/2020 10:00	64	0.14	2.7
3/15/2020 10:30	69	0.15	2.7
3/15/2020 11:00	70	0.16	2.7
3/15/2020 11:30	67	0.15	2.7
3/15/2020 12:00	64	0.14	2.7
3/15/2020 12:30	83	0.18	2.7
3/15/2020 13:00	88	0.20	2.7
3/15/2020 13:30	89	0.20	2.7
3/15/2020 14:00	85	0.19	2.7
3/15/2020 14:30	85	0.19	2.7
3/15/2020 15:00	69	0.15	2.7
3/15/2020 15:30	73	0.16	2.7
3/15/2020 16:00	84	0.19	2.7
3/15/2020 16:30	65	0.14	2.7
3/15/2020 17:00	69	0.15	2.7
3/15/2020 17:30	57	0.13	2.7
3/15/2020 18:00	67	0.15	2.7
3/15/2020 18:30	57	0.13	2.7
3/15/2020 19:00	65	0.15	2.7
3/15/2020 19:30	53	0.12	2.7
3/15/2020 20:00	59	0.13	2.7

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/15/2020 20:30	59	0.13	2.7
3/15/2020 21:00	67	0.15	2.7
3/15/2020 21:30	62	0.14	2.7
3/15/2020 22:00	62	0.14	2.7
3/15/2020 22:30	66	0.15	2.7
3/15/2020 23:00	67	0.15	2.7
3/15/2020 23:30	76	0.17	2.7
3/16/2020 0:00	72	0.16	2.7
3/16/2020 0:30	78	0.17	2.7
3/16/2020 1:00	70	0.16	2.7
3/16/2020 1:30	82	0.18	2.7
3/16/2020 2:00	83	0.18	2.7
3/16/2020 2:30	71	0.16	2.7
3/16/2020 3:00	73	0.16	2.7
3/16/2020 3:30	64	0.14	2.7
3/16/2020 4:00	69	0.15	2.7
3/16/2020 4:30	63	0.14	2.7
3/16/2020 5:00	65	0.14	2.7
3/16/2020 5:30	66	0.15	2.7
3/16/2020 6:00	72	0.16	2.7
3/16/2020 6:30	67	0.15	2.7
3/16/2020 7:00	70	0.15	2.7
3/17/2020 7:00	69	0.15	2.6
3/17/2020 7:30	107	0.24	2.6
3/17/2020 8:00	81	0.18	2.6
3/17/2020 8:30	73	0.16	2.6
3/17/2020 9:00	71	0.16	2.6
3/17/2020 9:30	74	0.17	2.6
3/17/2020 10:00	71	0.16	2.6
3/17/2020 10:30	76	0.17	2.6
3/17/2020 11:00	68	0.15	2.6
3/17/2020 11:30	85	0.19	2.6
3/17/2020 12:00	80	0.18	2.6
3/17/2020 12:30	89	0.20	2.6
3/17/2020 13:00	74	0.16	2.6
3/17/2020 13:30	104	0.23	2.6
3/17/2020 14:00	101	0.23	2.6
3/17/2020 14:30	90	0.20	2.6
3/17/2020 15:00	77	0.17	2.6
3/17/2020 15:30	82	0.18	2.6
3/17/2020 16:00	85	0.19	2.6
3/17/2020 16:30	77	0.17	2.6
3/17/2020 17:00	74	0.17	2.6
3/17/2020 17:30	59	0.13	2.6
3/17/2020 18:00	65	0.14	2.6
3/17/2020 18:30	55	0.12	2.6
3/17/2020 19:00	58	0.13	2.6
3/17/2020 19:30	57	0.13	2.6
3/17/2020 20:00	67	0.15	2.6
3/17/2020 20:30	62	0.14	2.6
3/17/2020 21:00	68	0.15	2.6
3/17/2020 21:30	60	0.13	2.6
3/17/2020 22:00	66	0.15	2.6
3/17/2020 22:30	62	0.14	2.6
3/17/2020 23:00	62	0.14	2.6
3/17/2020 23:30	72	0.16	2.6
3/18/2020 0:00	75	0.17	2.6
3/18/2020 0:30	69	0.15	2.6
3/18/2020 1:00	65	0.15	2.6
3/18/2020 1:30	70	0.16	2.6
3/18/2020 2:00	67	0.15	2.6

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/18/2020 2:30	74	0.17	2.6
3/18/2020 3:00	81	0.18	2.6
3/18/2020 3:30	64	0.14	2.6
3/18/2020 4:00	70	0.15	2.6
3/18/2020 4:30	54	0.12	2.6
3/18/2020 5:00	60	0.13	2.6
3/18/2020 5:30	55	0.12	2.6
3/18/2020 6:00	60	0.13	2.6
3/18/2020 6:30	59	0.13	2.6
3/18/2020 7:00	65	0.14	2.6
3/18/2020 7:30	58	0.13	2.5
3/18/2020 8:00	66	0.15	2.5
3/18/2020 8:30	51	0.11	2.5
3/18/2020 9:00	56	0.13	2.5
3/18/2020 9:30	54	0.12	2.5
3/18/2020 10:00	63	0.14	2.5
3/19/2020 10:30	76	0.17	2.4
3/19/2020 11:00	73	0.16	2.4
3/19/2020 11:30	94	0.21	2.4
3/19/2020 12:00	81	0.18	2.4
3/19/2020 12:30	109	0.24	2.4
3/19/2020 13:00	92	0.21	2.4
3/19/2020 13:30	116	0.26	2.4
3/19/2020 14:00	101	0.22	2.4
3/19/2020 14:30	100	0.22	2.4
3/19/2020 15:00	89	0.20	2.4
3/19/2020 15:30	91	0.20	2.4
3/19/2020 16:00	89	0.20	2.4
3/19/2020 16:30	77	0.17	2.4
3/19/2020 17:00	76	0.17	2.4
3/19/2020 17:30	71	0.16	2.4
3/19/2020 18:00	76	0.17	2.4
3/19/2020 18:30	66	0.15	2.4
3/19/2020 19:00	70	0.16	2.4
3/19/2020 19:30	60	0.13	2.3
3/19/2020 20:00	68	0.15	2.3
3/19/2020 20:30	61	0.14	2.3
3/19/2020 21:00	70	0.16	2.3
3/19/2020 21:30	64	0.14	2.3
3/19/2020 22:00	64	0.14	2.3
3/19/2020 22:30	73	0.16	2.3
3/19/2020 23:00	73	0.16	2.3
3/19/2020 23:30	83	0.18	2.3
3/20/2020 0:00	82	0.18	2.3
3/20/2020 0:30	80	0.18	2.3
3/20/2020 1:00	75	0.17	2.3
3/20/2020 1:30	74	0.16	2.3
3/20/2020 2:00	72	0.16	2.3
3/20/2020 2:30	77	0.17	2.3
3/20/2020 3:00	81	0.18	2.3
3/20/2020 3:30	66	0.15	2.3
3/20/2020 4:00	65	0.14	2.3
3/20/2020 4:30	59	0.13	2.3
3/20/2020 5:00	61	0.14	2.3
3/20/2020 5:30	67	0.15	2.3
3/20/2020 6:00	71	0.16	2.3
3/20/2020 6:30	70	0.16	2.3
3/20/2020 7:00	69	0.15	2.3
3/20/2020 7:30	71	0.16	2.3
3/20/2020 8:00	77	0.17	2.3
3/20/2020 8:30	60	0.13	2.3

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/20/2020 9:00	61	0.14	2.3
3/20/2020 9:30	68	0.15	2.3
3/20/2020 10:00	68	0.15	2.3
3/21/2020 12:00	69	0.15	2.3
3/21/2020 12:30	97	0.22	2.3
3/21/2020 13:00	88	0.20	2.3
3/21/2020 13:30	98	0.22	2.3
3/21/2020 14:00	90	0.20	2.3
3/21/2020 14:30	88	0.20	2.3
3/21/2020 15:00	80	0.18	2.3
3/21/2020 15:30	79	0.18	2.3
3/21/2020 16:00	79	0.18	2.3
3/21/2020 16:30	69	0.15	2.3
3/21/2020 17:00	74	0.16	2.3
3/21/2020 17:30	60	0.13	2.3
3/21/2020 18:00	66	0.15	2.3
3/21/2020 18:30	58	0.13	2.3
3/21/2020 19:00	71	0.16	2.3
3/21/2020 19:30	48	0.11	2.3
3/21/2020 20:00	56	0.13	2.3
3/21/2020 20:30	45	0.10	2.3
3/21/2020 21:00	56	0.12	2.3
3/21/2020 21:30	57	0.13	2.3
3/21/2020 22:00	73	0.16	2.3
3/21/2020 22:30	52	0.12	2.3
3/21/2020 23:00	62	0.14	2.3
3/21/2020 23:30	45	0.10	2.3
3/22/2020 0:00	56	0.13	2.3
3/22/2020 0:30	54	0.12	2.2
3/22/2020 1:00	67	0.15	2.2
3/22/2020 1:30	64	0.14	2.2
3/22/2020 2:00	70	0.16	2.2
3/22/2020 2:30	68	0.15	2.2
3/22/2020 3:00	72	0.16	2.3
3/22/2020 3:30	63	0.14	2.2
3/22/2020 4:00	67	0.15	2.2
3/22/2020 4:30	51	0.11	2.2
3/22/2020 5:00	58	0.13	2.2
3/22/2020 5:30	49	0.11	2.2
3/22/2020 6:00	57	0.13	2.2
3/22/2020 6:30	50	0.11	2.2
3/22/2020 7:00	55	0.12	2.2
3/22/2020 7:30	55	0.12	2.2
3/22/2020 8:00	63	0.14	2.2
3/22/2020 8:30	52	0.12	2.2
3/22/2020 9:00	55	0.12	2.2
3/22/2020 9:30	59	0.13	2.2
3/22/2020 10:00	69	0.15	2.2
3/22/2020 10:30	64	0.14	2.2
3/22/2020 11:00	66	0.15	2.2
3/22/2020 11:30	70	0.16	2.2
3/22/2020 12:00	65	0.15	2.2
3/22/2020 12:30	83	0.19	2.2
3/22/2020 13:00	79	0.18	2.2
3/22/2020 13:30	85	0.19	2.2
3/22/2020 14:00	72	0.16	2.2
3/22/2020 14:30	88	0.20	2.2
3/22/2020 15:00	92	0.21	2.3
3/22/2020 15:30	73	0.16	2.2
3/22/2020 16:00	69	0.15	2.2
3/22/2020 16:30	65	0.15	2.2

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/22/2020 17:00	64	0.14	2.2
3/22/2020 17:30	62	0.14	2.2
3/22/2020 18:00	61	0.13	2.2
3/22/2020 18:30	70	0.16	2.2
3/22/2020 19:00	77	0.17	2.2
3/22/2020 19:30	64	0.14	2.2
3/22/2020 20:00	58	0.13	2.2
3/22/2020 20:30	66	0.15	2.2
3/22/2020 21:00	69	0.15	2.2
3/22/2020 21:30	82	0.18	2.2
3/22/2020 22:00	81	0.18	2.2
3/22/2020 22:30	82	0.18	2.2
3/22/2020 23:00	72	0.16	2.2
3/22/2020 23:30	78	0.17	2.2
3/23/2020 0:00	77	0.17	2.2
3/23/2020 0:30	82	0.18	2.2
3/23/2020 1:00	74	0.16	2.2
3/23/2020 1:30	79	0.18	2.2
3/23/2020 2:00	66	0.15	2.2
3/23/2020 2:30	90	0.20	2.3
3/23/2020 3:00	87	0.19	2.3
3/23/2020 3:30	80	0.18	2.3
3/23/2020 4:00	74	0.16	2.3
3/23/2020 4:30	71	0.16	2.3
3/23/2020 5:00	67	0.15	2.3
3/23/2020 5:30	63	0.14	2.3
3/23/2020 6:00	56	0.12	2.3
3/23/2020 6:30	71	0.16	2.3
3/23/2020 7:00	70	0.16	2.3
3/23/2020 7:30	77	0.17	2.3
3/23/2020 8:00	70	0.16	2.3
3/23/2020 8:30	81	0.18	2.3
3/23/2020 9:00	87	0.19	2.3
3/23/2020 9:30	59	0.13	2.3
3/23/2020 10:00	57	0.13	2.3
3/23/2020 10:30	56	0.12	2.3
3/23/2020 11:00	59	0.13	2.3
3/23/2020 11:30	88	0.20	2.3
3/23/2020 12:00	74	0.16	2.3
3/23/2020 12:30	117	0.26	2.3
3/23/2020 13:00	93	0.21	2.3
3/23/2020 13:30	108	0.24	2.3
3/23/2020 14:00	95	0.21	2.3
3/23/2020 14:30	82	0.18	2.3
3/23/2020 15:00	73	0.16	2.3
3/23/2020 15:30	73	0.16	2.3
3/23/2020 16:00	69	0.15	2.3
3/23/2020 16:30	77	0.17	2.3
3/23/2020 17:00	66	0.15	2.3
3/23/2020 17:30	76	0.17	2.3
3/23/2020 18:00	75	0.17	2.4
3/23/2020 18:30	67	0.15	2.4
3/23/2020 19:00	72	0.16	2.4
3/23/2020 19:30	61	0.14	2.4
3/23/2020 20:00	61	0.14	2.4
3/23/2020 20:30	56	0.13	2.4
3/23/2020 21:00	63	0.14	2.4
3/23/2020 21:30	72	0.16	2.4
3/23/2020 22:00	62	0.14	2.4
3/23/2020 22:30	77	0.17	2.5
3/23/2020 23:00	67	0.15	2.5

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/23/2020 23:30	83	0.18	2.5
3/24/2020 0:00	82	0.18	2.5
3/24/2020 0:30	68	0.15	2.5
3/24/2020 1:00	60	0.13	2.5
3/24/2020 1:30	71	0.16	2.5
3/24/2020 2:00	73	0.16	2.5
3/24/2020 2:30	83	0.19	2.5
3/24/2020 3:00	80	0.18	2.5
3/24/2020 3:30	71	0.16	2.5
3/24/2020 4:00	70	0.16	2.6
3/24/2020 4:30	55	0.12	2.6
3/24/2020 5:00	56	0.12	2.6
3/24/2020 5:30	53	0.12	2.6
3/24/2020 16:30	96	0.21	2.6
3/24/2020 17:00	106	0.24	2.6
3/24/2020 17:30	99	0.22	2.7
3/24/2020 18:00	65	0.15	2.7
3/24/2020 18:30	85	0.19	2.6
3/24/2020 19:00	73	0.16	2.7
3/24/2020 19:30	85	0.19	2.7
3/24/2020 20:00	75	0.17	2.7
3/24/2020 20:30	87	0.19	2.7
3/24/2020 21:00	74	0.16	2.7
3/24/2020 21:30	91	0.20	2.7
3/24/2020 22:00	74	0.16	2.7
3/24/2020 22:30	92	0.20	2.7
3/24/2020 23:00	80	0.18	2.7
3/24/2020 23:30	97	0.22	2.7
3/25/2020 0:00	89	0.20	2.7
3/25/2020 0:30	94	0.21	2.7
3/25/2020 1:00	80	0.18	2.7
3/25/2020 1:30	101	0.23	2.7
3/25/2020 2:00	81	0.18	2.7
3/25/2020 2:30	104	0.23	2.7
3/25/2020 3:00	79	0.18	2.7
3/25/2020 3:30	90	0.20	2.7
3/25/2020 4:00	195	0.44	2.7
3/25/2020 4:30	625	1.39	2.7
3/25/2020 5:00	598	1.33	2.8
3/25/2020 5:30	377	0.84	2.8
3/25/2020 6:00	404	0.90	2.8
3/25/2020 6:30	257	0.57	2.8
3/25/2020 7:00	207	0.46	2.9
3/25/2020 7:30	136	0.30	2.9
3/25/2020 8:00	142	0.32	3.0
3/25/2020 8:30	98	0.22	3.0
3/25/2020 9:00	97	0.22	3.0
3/25/2020 9:30	88	0.20	3.1
3/25/2020 10:00	95	0.21	3.1
3/25/2020 10:30	89	0.20	3.1
3/25/2020 11:00	93	0.21	3.2
3/25/2020 11:30	90	0.20	3.2
3/25/2020 12:00	84	0.19	3.2
3/25/2020 12:30	94	0.21	3.2
3/25/2020 13:00	92	0.21	3.3
3/25/2020 13:30	97	0.22	3.3
3/25/2020 14:00	104	0.23	3.3
3/25/2020 14:30	82	0.18	3.4
3/25/2020 15:00	86	0.19	3.4
3/25/2020 15:30	71	0.16	3.4
3/25/2020 16:00	79	0.18	3.4

TABLE B15
HISTORICAL SEEP C FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
3/25/2020 16:30	67	0.15	3.4
3/25/2020 17:00	76	0.17	3.5
3/25/2020 17:30	72	0.16	3.5
3/25/2020 18:00	90	0.20	3.5
3/25/2020 18:30	54	0.12	3.5
3/25/2020 19:00	62	0.14	3.6
3/25/2020 19:30	45	0.10	3.6
3/25/2020 20:00	55	0.12	3.6
3/25/2020 20:30	49	0.11	3.6
3/25/2020 21:00	61	0.13	3.6
3/25/2020 21:30	61	0.14	3.7
3/25/2020 22:00	72	0.16	3.7
3/25/2020 22:30	64	0.14	3.7
3/25/2020 23:00	67	0.15	3.8
3/25/2020 23:30	60	0.13	3.8
3/26/2020 0:00	65	0.14	3.8
3/26/2020 0:30	63	0.14	3.9
3/26/2020 1:00	66	0.15	3.9
3/26/2020 1:30	74	0.16	3.9
3/26/2020 2:00	77	0.17	4.0
3/26/2020 2:30	72	0.16	4.0
3/26/2020 3:00	78	0.17	4.0
3/26/2020 3:30	55	0.12	4.1
3/26/2020 4:00	61	0.14	4.2
3/26/2020 4:30	50	0.11	4.2
3/26/2020 5:00	61	0.14	4.3
3/26/2020 5:30	55	0.12	4.3
3/26/2020 6:00	62	0.14	4.4
3/26/2020 6:30	59	0.13	4.5
3/26/2020 7:00	62	0.14	4.5
3/26/2020 7:30	63	0.14	4.6
3/26/2020 8:00	70	0.15	4.7
3/26/2020 8:30	62	0.14	4.8
3/26/2020 9:00	67	0.15	4.8
3/26/2020 9:30	64	0.14	4.9
3/31/2020 17:30	132	0.29	4.0
3/31/2020 18:00	148	0.33	4.0
3/31/2020 18:30	93	0.21	4.0
3/31/2020 19:00	96	0.21	4.0
3/31/2020 19:30	75	0.17	3.9
3/31/2020 20:00	67	0.15	3.9
3/31/2020 20:30	86	0.19	3.9
3/31/2020 21:00	79	0.18	3.9
3/31/2020 21:30	78	0.17	3.9
3/31/2020 22:00	65	0.14	3.9
3/31/2020 22:30	71	0.16	3.9
3/31/2020 23:00	77	0.17	3.9
3/31/2020 23:30	63	0.14	3.9
Median Flow Rate	66	0.15	

Notes

Measurements are recorded from the flume at Seep C.

Median flow rate was used for mass loading calculations at Seep C for March 2021.

ft³/sec - cubic feet per second

ft - feet

gpm - gallons per minute

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
5/18/2020 21:00	201	0.45	1.5
5/18/2020 21:30	191	0.43	1.5
5/18/2020 22:00	197	0.44	1.5
5/18/2020 22:30	208	0.46	1.5
5/18/2020 23:00	171	0.38	1.5
5/18/2020 23:30	162	0.36	1.5
5/19/2020 0:00	157	0.35	1.5
5/19/2020 0:30	195	0.43	1.5
5/19/2020 1:00	180	0.40	1.5
5/19/2020 1:30	147	0.33	1.5
5/19/2020 2:00	136	0.30	1.5
5/19/2020 2:30	129	0.29	1.5
5/19/2020 3:00	151	0.34	1.5
5/19/2020 3:30	146	0.32	1.5
5/19/2020 4:00	184	0.41	1.5
5/19/2020 4:30	294	0.65	1.5
5/19/2020 5:00	202	0.45	1.5
5/19/2020 5:30	180	0.40	1.5
5/19/2020 6:00	178	0.40	1.5
5/19/2020 6:30	184	0.41	1.5
5/19/2020 7:00	194	0.43	1.5
5/19/2020 7:30	204	0.45	1.5
5/19/2020 8:00	182	0.41	1.5
5/19/2020 8:30	192	0.43	1.5
5/19/2020 9:00	174	0.39	1.5
5/19/2020 9:30	180	0.40	1.5
5/19/2020 10:00	169	0.38	1.5
5/19/2020 10:30	169	0.38	1.5
5/19/2020 11:00	157	0.35	1.6
5/19/2020 11:30	156	0.35	1.6
5/19/2020 12:00	158	0.35	1.6
5/19/2020 12:30	152	0.34	1.6
5/19/2020 13:00	162	0.36	1.6
5/19/2020 13:30	167	0.37	1.6
5/19/2020 14:00	154	0.34	1.6
5/19/2020 14:30	152	0.34	1.6
5/19/2020 15:00	157	0.35	1.6
5/19/2020 15:30	152	0.34	1.6
5/19/2020 17:00	159	0.36	1.6
5/19/2020 17:30	169	0.38	1.6
5/19/2020 18:00	181	0.40	1.6
5/19/2020 18:30	205	0.46	1.6
5/19/2020 19:00	184	0.41	1.6
5/19/2020 19:30	196	0.44	1.6
5/19/2020 20:00	188	0.42	1.6
5/19/2020 20:30	206	0.46	1.7
5/19/2020 21:00	196	0.44	1.7
5/19/2020 21:30	216	0.48	1.7
5/19/2020 22:00	188	0.42	1.7
5/19/2020 22:30	200	0.45	1.7
5/19/2020 23:00	172	0.38	1.7
5/19/2020 23:30	163	0.36	1.7
5/20/2020 0:00	156	0.35	1.7
5/20/2020 0:30	150	0.33	1.7
5/20/2020 1:00	160	0.36	1.7
5/20/2020 1:30	173	0.39	1.7
5/20/2020 2:00	138	0.31	1.7
5/20/2020 2:30	124	0.28	1.8
5/20/2020 3:00	143	0.32	1.8
5/20/2020 3:30	138	0.31	1.8
5/20/2020 4:00	170	0.38	1.8

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
5/20/2020 4:30	178	0.40	1.8
5/20/2020 5:00	176	0.39	1.8
5/20/2020 5:30	203	0.45	1.8
5/20/2020 6:00	204	0.45	1.8
5/20/2020 6:30	215	0.48	1.8
5/20/2020 7:00	150	0.33	1.8
5/20/2020 7:30	148	0.33	1.9
5/20/2020 8:00	165	0.37	1.9
5/20/2020 8:30	162	0.36	1.9
5/20/2020 9:00	167	0.37	1.9
5/20/2020 9:30	174	0.39	1.9
5/20/2020 10:00	191	0.43	1.9
5/20/2020 10:30	201	0.45	1.9
5/20/2020 11:00	159	0.35	1.9
5/20/2020 11:30	163	0.36	1.9
5/20/2020 12:00	170	0.38	2.0
5/20/2020 12:30	171	0.38	2.0
5/20/2020 13:00	162	0.36	2.0
5/20/2020 13:30	158	0.35	2.0
5/20/2020 14:00	123	0.27	2.0
5/20/2020 14:30	113	0.25	2.0
5/20/2020 15:00	141	0.32	2.0
5/20/2020 15:30	131	0.29	2.0
5/20/2020 17:00	142	0.32	2.0
5/20/2020 17:30	137	0.31	2.0
5/20/2020 18:00	179	0.40	2.1
5/20/2020 18:30	211	0.47	2.1
5/20/2020 19:00	248	0.55	2.1
5/20/2020 19:30	239	0.53	2.1
5/20/2020 20:00	386	0.86	2.1
5/20/2020 20:30	629	1.40	2.1
5/20/2020 21:00	365	0.81	2.1
5/20/2020 21:30	324	0.72	2.1
5/20/2020 22:00	349	0.78	2.1
5/20/2020 22:30	603	1.34	2.1
5/20/2020 23:00	290	0.65	2.1
5/20/2020 23:30	193	0.43	2.1
5/21/2020 0:00	200	0.45	2.1
5/21/2020 0:30	190	0.42	2.1
5/21/2020 1:00	186	0.42	2.1
5/21/2020 1:30	224	0.50	2.2
5/21/2020 2:00	207	0.46	2.2
5/21/2020 2:30	200	0.45	2.2
5/21/2020 3:00	244	0.54	2.3
5/21/2020 3:30	216	0.48	2.3
5/21/2020 4:00	185	0.41	2.4
5/21/2020 4:30	180	0.40	2.4
5/21/2020 5:00	212	0.47	2.5
5/21/2020 5:30	227	0.51	2.6
5/21/2020 6:00	214	0.48	2.7
5/21/2020 6:30	229	0.51	2.7
5/21/2020 7:00	203	0.45	2.8
5/21/2020 7:30	225	0.50	2.9
5/21/2020 8:00	225	0.50	3.0
5/21/2020 8:30	232	0.52	3.1
5/21/2020 9:00	180	0.40	3.1
5/21/2020 9:30	184	0.41	3.2
5/21/2020 10:00	193	0.43	3.3
5/21/2020 10:30	193	0.43	3.4
7/7/2020 14:00	154	0.34	2.1
7/7/2020 14:30	167	0.37	2.1

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/7/2020 15:00	136	0.30	2.1
7/7/2020 15:30	154	0.34	2.1
7/7/2020 17:00	138	0.31	2.1
7/7/2020 17:30	159	0.35	2.1
7/7/2020 18:00	150	0.33	2.1
7/7/2020 18:30	158	0.35	2.1
7/7/2020 19:00	155	0.34	2.1
7/7/2020 19:30	155	0.34	2.1
7/7/2020 20:00	154	0.34	2.2
7/7/2020 20:30	157	0.35	2.2
7/7/2020 21:00	166	0.37	2.2
7/7/2020 21:30	162	0.36	2.2
7/7/2020 22:00	176	0.39	2.2
7/7/2020 22:30	159	0.36	2.2
7/7/2020 23:00	160	0.36	2.2
7/7/2020 23:30	156	0.35	2.2
7/8/2020 0:00	148	0.33	2.2
7/8/2020 0:30	152	0.34	2.2
7/8/2020 1:00	147	0.33	2.3
7/8/2020 1:30	150	0.33	2.3
7/8/2020 2:00	126	0.28	2.3
7/8/2020 2:30	149	0.33	2.3
7/8/2020 3:00	149	0.33	2.3
7/8/2020 3:30	155	0.35	2.3
7/8/2020 4:00	147	0.33	2.3
7/8/2020 4:30	154	0.34	2.3
7/8/2020 5:00	150	0.33	2.3
7/8/2020 5:30	158	0.35	2.3
7/8/2020 6:00	169	0.38	2.3
7/8/2020 6:30	153	0.34	2.3
7/8/2020 7:00	161	0.36	2.3
7/8/2020 7:30	150	0.33	2.3
7/8/2020 8:00	147	0.33	2.3
7/8/2020 8:30	154	0.34	2.3
7/8/2020 9:00	165	0.37	2.3
7/8/2020 9:30	156	0.35	2.3
7/8/2020 10:00	158	0.35	2.3
7/8/2020 10:30	157	0.35	2.3
7/8/2020 11:00	150	0.33	2.3
7/8/2020 11:30	158	0.35	2.3
7/8/2020 12:00	151	0.34	2.3
7/8/2020 12:30	154	0.34	2.3
7/8/2020 13:00	141	0.32	2.3
7/8/2020 13:30	157	0.35	2.3
7/8/2020 14:00	143	0.32	2.3
7/8/2020 14:30	148	0.33	2.3
7/8/2020 15:00	130	0.29	2.3
7/8/2020 15:30	159	0.36	2.3
7/9/2020 18:00	168	0.37	2.5
7/9/2020 18:30	159	0.36	2.4
7/9/2020 19:00	156	0.35	2.4
7/9/2020 19:30	158	0.35	2.4
7/9/2020 20:00	170	0.38	2.5
7/9/2020 20:30	159	0.35	2.4
7/9/2020 21:00	171	0.38	2.4
7/9/2020 21:30	159	0.36	2.4
7/9/2020 22:00	177	0.40	2.4
7/9/2020 22:30	156	0.35	2.4
7/9/2020 23:00	162	0.36	2.4
7/9/2020 23:30	161	0.36	2.4
7/10/2020 0:00	157	0.35	2.4

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/10/2020 0:30	151	0.34	2.4
7/10/2020 1:00	139	0.31	2.4
7/10/2020 1:30	158	0.35	2.4
7/10/2020 2:00	164	0.37	2.4
7/10/2020 2:30	158	0.35	2.4
7/10/2020 3:00	166	0.37	2.4
7/10/2020 3:30	157	0.35	2.4
7/10/2020 4:00	153	0.34	2.4
7/10/2020 4:30	150	0.33	2.4
7/10/2020 5:00	145	0.32	2.4
7/10/2020 5:30	159	0.35	2.4
7/10/2020 6:00	164	0.37	2.4
7/10/2020 6:30	162	0.36	2.4
7/10/2020 7:00	170	0.38	2.4
7/10/2020 7:30	161	0.36	2.4
7/10/2020 8:00	172	0.38	2.4
7/10/2020 8:30	158	0.35	2.4
7/10/2020 9:00	156	0.35	2.3
7/10/2020 9:30	159	0.35	2.3
7/10/2020 10:00	154	0.34	2.3
7/10/2020 10:30	154	0.34	2.3
7/10/2020 11:00	146	0.33	2.3
7/10/2020 11:30	155	0.34	2.3
7/10/2020 12:00	151	0.34	2.3
7/10/2020 12:30	160	0.36	2.3
7/10/2020 13:00	152	0.34	2.3
7/10/2020 13:30	157	0.35	2.3
7/10/2020 14:00	137	0.31	2.3
7/10/2020 14:30	155	0.34	2.3
7/10/2020 15:00	141	0.32	2.3
7/10/2020 15:30	158	0.35	2.3
7/10/2020 17:00	147	0.33	2.3
7/10/2020 17:30	164	0.37	2.3
7/10/2020 18:00	159	0.35	2.3
7/10/2020 18:30	170	0.38	2.3
7/10/2020 19:00	188	0.42	2.4
7/10/2020 19:30	166	0.37	2.3
7/10/2020 20:00	170	0.38	2.3
7/10/2020 20:30	158	0.35	2.3
7/10/2020 21:00	167	0.37	2.3
7/10/2020 21:30	156	0.35	2.3
7/11/2020 0:30	467	1.04	2.3
7/11/2020 1:00	286	0.64	2.3
7/11/2020 1:30	208	0.46	2.3
7/11/2020 2:00	169	0.38	2.3
7/11/2020 2:30	160	0.36	2.3
7/11/2020 3:00	158	0.35	2.3
7/11/2020 3:30	161	0.36	2.3
7/11/2020 4:00	155	0.35	2.3
7/11/2020 4:30	152	0.34	2.4
7/11/2020 5:00	135	0.30	2.4
7/11/2020 5:30	152	0.34	2.4
7/11/2020 6:00	152	0.34	2.4
7/11/2020 6:30	162	0.36	2.4
7/11/2020 7:00	183	0.41	2.4
7/11/2020 7:30	161	0.36	2.4
7/11/2020 8:00	175	0.39	2.4
7/11/2020 8:30	157	0.35	2.4
7/11/2020 9:00	167	0.37	2.4
7/11/2020 9:30	159	0.35	2.4
7/11/2020 10:00	157	0.35	2.4

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/11/2020 10:30	161	0.36	2.4
7/11/2020 11:00	160	0.36	2.4
7/11/2020 11:30	160	0.36	2.4
7/11/2020 12:00	146	0.33	2.4
7/11/2020 12:30	159	0.35	2.4
7/11/2020 13:00	144	0.32	2.4
7/11/2020 13:30	156	0.35	2.4
7/11/2020 14:00	139	0.31	2.4
7/11/2020 14:30	163	0.36	2.4
7/11/2020 15:00	155	0.35	2.4
7/11/2020 15:30	162	0.36	2.4
7/11/2020 17:00	158	0.35	2.4
7/11/2020 17:30	158	0.35	2.4
7/11/2020 18:00	158	0.35	2.4
7/11/2020 18:30	162	0.36	2.4
7/11/2020 19:00	165	0.37	2.4
7/11/2020 19:30	165	0.37	2.4
7/11/2020 20:00	180	0.40	2.4
7/11/2020 20:30	158	0.35	2.4
7/11/2020 21:00	172	0.38	2.4
7/11/2020 21:30	158	0.35	2.4
7/11/2020 22:00	184	0.41	2.3
7/11/2020 22:30	155	0.35	2.3
7/11/2020 23:00	158	0.35	2.3
7/11/2020 23:30	154	0.34	2.3
7/12/2020 0:00	150	0.33	2.3
7/12/2020 0:30	151	0.34	2.3
7/12/2020 1:00	140	0.31	2.3
7/12/2020 1:30	151	0.34	2.3
7/12/2020 2:00	152	0.34	2.3
7/12/2020 2:30	149	0.33	2.3
7/12/2020 3:00	144	0.32	2.3
7/12/2020 3:30	147	0.33	2.3
7/12/2020 4:00	135	0.30	2.3
7/12/2020 4:30	155	0.35	2.3
7/12/2020 5:00	152	0.34	2.3
7/13/2020 6:00	175	0.39	2.3
7/13/2020 6:30	159	0.35	2.3
7/13/2020 7:00	159	0.35	2.3
7/13/2020 7:30	151	0.34	2.3
7/13/2020 8:00	155	0.35	2.4
7/13/2020 8:30	156	0.35	2.4
7/13/2020 9:00	153	0.34	2.4
7/13/2020 9:30	160	0.36	2.4
7/13/2020 10:00	163	0.36	2.4
7/13/2020 10:30	161	0.36	2.4
7/13/2020 11:00	163	0.36	2.4
7/13/2020 11:30	165	0.37	2.4
7/13/2020 12:00	162	0.36	2.4
7/13/2020 12:30	163	0.36	2.4
7/13/2020 13:00	156	0.35	2.4
7/13/2020 13:30	157	0.35	2.4
7/13/2020 14:00	135	0.30	2.4
7/13/2020 14:30	157	0.35	2.5
7/13/2020 15:00	159	0.35	2.5
7/13/2020 15:30	165	0.37	2.5
7/13/2020 17:00	259	0.58	2.5
7/13/2020 17:30	185	0.41	2.5
7/13/2020 18:00	178	0.40	2.5
7/13/2020 18:30	167	0.37	2.5
7/13/2020 19:00	156	0.35	2.5

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/13/2020 19:30	172	0.38	2.5
7/13/2020 20:00	179	0.40	2.5
7/13/2020 21:00	153	0.34	2.5
7/13/2020 21:30	158	0.35	2.5
7/13/2020 22:00	200	0.44	2.5
7/13/2020 22:30	161	0.36	2.5
7/13/2020 23:00	168	0.37	2.5
7/13/2020 23:30	151	0.34	2.5
7/14/2020 0:00	142	0.32	2.5
7/14/2020 0:30	151	0.34	2.5
7/14/2020 1:00	145	0.32	2.5
7/14/2020 1:30	154	0.34	2.5
7/14/2020 2:00	154	0.34	2.5
7/14/2020 2:30	152	0.34	2.5
7/14/2020 3:00	144	0.32	2.5
7/14/2020 3:30	154	0.34	2.5
7/14/2020 4:00	165	0.37	2.5
7/14/2020 4:30	151	0.34	2.5
7/14/2020 5:00	158	0.35	2.5
7/14/2020 5:30	158	0.35	2.5
7/14/2020 6:00	175	0.39	2.5
7/14/2020 6:30	153	0.34	2.5
7/14/2020 7:00	162	0.36	2.5
7/14/2020 7:30	154	0.34	2.5
7/14/2020 8:00	161	0.36	2.5
7/14/2020 8:30	154	0.34	2.4
7/14/2020 9:00	168	0.37	2.4
7/14/2020 9:30	161	0.36	2.4
7/14/2020 10:00	173	0.38	2.4
7/14/2020 10:30	159	0.35	2.4
7/14/2020 11:00	157	0.35	2.4
7/14/2020 11:30	159	0.35	2.4
7/14/2020 12:00	159	0.36	2.4
7/14/2020 13:00	147	0.33	2.4
7/14/2020 13:30	160	0.36	2.4
7/14/2020 14:00	150	0.33	2.4
7/14/2020 14:30	161	0.36	2.4
7/14/2020 15:00	154	0.34	2.4
7/14/2020 15:30	161	0.36	2.4
7/14/2020 17:00	175	0.39	2.4
7/14/2020 17:30	173	0.39	2.4
7/14/2020 18:00	179	0.40	2.4
7/14/2020 18:30	167	0.37	2.4
7/14/2020 19:00	187	0.42	2.4
7/14/2020 19:30	161	0.36	2.4
7/14/2020 20:00	164	0.36	2.4
7/14/2020 20:30	167	0.37	2.4
7/20/2020 20:00	337	0.75	2.1
7/20/2020 20:30	420	0.94	2.1
7/20/2020 21:00	200	0.44	2.1
7/20/2020 21:30	168	0.37	2.1
7/20/2020 22:00	167	0.37	2.1
7/20/2020 22:30	178	0.40	2.1
7/20/2020 23:00	187	0.42	2.1
7/20/2020 23:30	150	0.33	2.1
7/21/2020 0:00	130	0.29	2.1
7/21/2020 0:30	159	0.35	2.2
7/21/2020 1:00	164	0.37	2.1
7/21/2020 1:30	154	0.34	2.2
7/21/2020 2:00	151	0.34	2.1
7/21/2020 2:30	146	0.32	2.2

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/21/2020 3:00	140	0.31	2.2
7/21/2020 3:30	155	0.34	2.2
7/21/2020 4:00	148	0.33	2.2
7/21/2020 4:30	156	0.35	2.2
7/21/2020 5:00	162	0.36	2.2
7/21/2020 5:30	155	0.35	2.2
7/21/2020 6:00	162	0.36	2.2
7/21/2020 6:30	155	0.35	2.2
7/21/2020 7:00	172	0.38	2.2
7/21/2020 7:30	156	0.35	2.2
7/21/2020 8:00	168	0.38	2.2
7/21/2020 8:30	159	0.35	2.2
7/21/2020 9:00	169	0.38	2.2
7/21/2020 9:30	159	0.35	2.2
7/21/2020 10:00	166	0.37	2.2
7/21/2020 10:30	158	0.35	2.2
7/21/2020 11:00	161	0.36	2.2
7/21/2020 11:30	158	0.35	2.2
7/21/2020 12:00	155	0.34	2.2
7/21/2020 12:30	156	0.35	2.2
7/21/2020 13:00	151	0.34	2.2
7/21/2020 13:30	154	0.34	2.2
7/21/2020 14:00	148	0.33	2.2
7/21/2020 14:30	158	0.35	2.2
7/21/2020 15:00	141	0.31	2.2
7/21/2020 15:30	156	0.35	2.2
7/21/2020 17:00	146	0.33	2.2
7/21/2020 17:30	157	0.35	2.2
7/21/2020 18:00	147	0.33	2.2
7/21/2020 18:30	161	0.36	2.2
7/21/2020 19:00	170	0.38	2.2
7/21/2020 19:30	171	0.38	2.2
7/21/2020 20:00	200	0.45	2.2
7/21/2020 20:30	159	0.35	2.2
7/21/2020 21:00	169	0.38	2.2
7/21/2020 21:30	155	0.34	2.2
7/21/2020 22:00	165	0.37	2.2
7/21/2020 22:30	159	0.35	2.2
7/21/2020 23:00	168	0.37	2.2
7/21/2020 23:30	152	0.34	2.2
7/22/2020 0:00	154	0.34	2.2
7/22/2020 0:30	151	0.34	2.1
7/23/2020 21:00	477	1.06	1.8
7/23/2020 21:30	597	1.33	1.9
7/23/2020 22:00	330	0.73	1.8
7/23/2020 22:30	331	0.74	1.8
7/23/2020 23:00	257	0.57	1.8
7/23/2020 23:30	210	0.47	1.8
7/24/2020 0:00	181	0.40	1.8
7/24/2020 0:30	195	0.43	1.9
7/24/2020 1:00	187	0.42	2.0
7/24/2020 1:30	156	0.35	1.9
7/24/2020 2:00	136	0.30	1.9
7/24/2020 2:30	157	0.35	1.9
7/24/2020 3:00	136	0.30	1.9
7/24/2020 3:30	151	0.34	1.9
7/24/2020 4:00	141	0.31	1.9
7/24/2020 4:30	146	0.32	1.9
7/24/2020 5:00	125	0.28	1.9
7/24/2020 5:30	159	0.36	2.0
7/24/2020 6:00	170	0.38	2.0

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/24/2020 6:30	165	0.37	2.0
7/24/2020 7:00	193	0.43	2.0
7/24/2020 7:30	155	0.34	2.0
7/24/2020 8:00	170	0.38	2.0
7/24/2020 8:30	156	0.35	2.0
7/24/2020 9:00	167	0.37	2.0
7/24/2020 9:30	152	0.34	2.0
7/24/2020 10:00	152	0.34	2.0
7/24/2020 10:30	154	0.34	2.0
7/24/2020 11:00	153	0.34	2.0
7/24/2020 11:30	149	0.33	2.0
7/24/2020 12:00	141	0.31	2.1
7/24/2020 12:30	154	0.34	2.1
7/24/2020 13:00	141	0.31	2.1
7/24/2020 13:30	148	0.33	2.1
7/24/2020 14:00	115	0.26	2.1
7/24/2020 14:30	149	0.33	2.2
7/24/2020 15:00	129	0.29	2.2
7/24/2020 15:30	156	0.35	2.2
7/24/2020 17:00	185	0.41	2.3
7/24/2020 17:30	158	0.35	2.3
7/24/2020 18:00	166	0.37	2.3
7/24/2020 18:30	160	0.36	2.3
7/24/2020 19:00	173	0.39	2.3
7/24/2020 19:30	169	0.38	2.3
7/24/2020 20:00	166	0.37	2.3
7/24/2020 20:30	164	0.36	2.3
7/24/2020 21:00	163	0.36	2.3
7/24/2020 21:30	159	0.35	2.4
7/24/2020 22:00	166	0.37	2.4
7/24/2020 22:30	160	0.36	2.4
7/24/2020 23:00	179	0.40	2.5
7/24/2020 23:30	146	0.33	2.5
7/25/2020 0:00	141	0.31	2.6
7/25/2020 0:30	146	0.33	2.6
7/25/2020 1:00	139	0.31	2.6
7/25/2020 1:30	145	0.32	2.6
7/25/2020 2:00	144	0.32	2.6
7/25/2020 2:30	149	0.33	2.6
7/25/2020 3:00	144	0.32	2.7
7/25/2020 3:30	147	0.33	2.7
7/25/2020 4:00	146	0.32	2.7
7/25/2020 4:30	148	0.33	2.7
7/25/2020 5:00	149	0.33	2.7
7/25/2020 5:30	148	0.33	2.7
7/25/2020 6:00	142	0.32	2.8
7/25/2020 6:30	150	0.33	2.8
7/25/2020 7:00	161	0.36	2.8
7/25/2020 7:30	149	0.33	2.8
7/25/2020 8:00	150	0.33	2.8
7/25/2020 8:30	151	0.34	2.8
7/25/2020 9:00	152	0.34	2.8
7/25/2020 9:30	152	0.34	2.8
7/25/2020 10:00	153	0.34	2.8
7/25/2020 10:30	152	0.34	2.8
7/25/2020 11:00	153	0.34	2.8
7/25/2020 11:30	151	0.34	2.8
7/25/2020 12:00	148	0.33	2.8
7/25/2020 12:30	148	0.33	2.8
7/25/2020 13:00	138	0.31	2.8
7/25/2020 13:30	147	0.33	2.8

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/25/2020 14:00	127	0.28	2.8
7/25/2020 14:30	141	0.31	2.8
7/25/2020 15:00	119	0.27	2.8
7/25/2020 15:30	152	0.34	2.8
7/25/2020 17:00	156	0.35	2.8
7/25/2020 17:30	158	0.35	2.8
7/25/2020 18:00	157	0.35	2.8
7/25/2020 18:30	155	0.34	2.8
7/25/2020 19:00	168	0.37	2.8
7/25/2020 19:30	165	0.37	2.8
7/25/2020 20:00	195	0.43	2.8
7/25/2020 20:30	153	0.34	2.8
7/25/2020 21:00	169	0.38	2.8
7/25/2020 21:30	144	0.32	2.8
7/25/2020 22:00	155	0.34	2.8
7/25/2020 22:30	153	0.34	2.8
7/25/2020 23:00	162	0.36	2.8
7/25/2020 23:30	152	0.34	2.8
7/29/2020 18:00	209	0.47	2.7
7/29/2020 18:30	155	0.35	2.7
7/29/2020 19:00	147	0.33	2.7
7/29/2020 19:30	154	0.34	2.8
7/29/2020 20:00	132	0.29	2.8
7/29/2020 20:30	157	0.35	2.8
7/29/2020 21:00	159	0.35	2.8
7/29/2020 21:30	153	0.34	2.8
7/29/2020 22:00	168	0.37	2.8
7/29/2020 22:30	154	0.34	2.8
7/29/2020 23:00	167	0.37	2.8
7/29/2020 23:30	155	0.34	2.8
7/30/2020 0:00	151	0.34	2.9
7/30/2020 0:30	153	0.34	2.9
7/30/2020 1:00	139	0.31	2.9
7/30/2020 1:30	152	0.34	3.0
7/30/2020 2:00	125	0.28	3.0
7/30/2020 2:30	155	0.35	3.0
7/30/2020 3:00	152	0.34	3.0
7/30/2020 3:30	154	0.34	3.0
7/30/2020 4:00	154	0.34	3.1
7/30/2020 4:30	153	0.34	3.1
7/30/2020 5:00	156	0.35	3.1
7/30/2020 5:30	153	0.34	3.1
7/30/2020 6:00	147	0.33	3.1
7/30/2020 6:30	156	0.35	3.1
7/30/2020 7:00	168	0.37	3.1
7/30/2020 7:30	155	0.34	3.1
7/30/2020 8:00	165	0.37	3.1
7/30/2020 8:30	154	0.34	3.1
7/30/2020 9:00	161	0.36	3.1
7/30/2020 9:30	156	0.35	3.1
7/30/2020 10:00	155	0.34	3.1
7/30/2020 10:30	157	0.35	3.1
7/30/2020 11:00	158	0.35	3.1
7/30/2020 11:30	156	0.35	3.1
7/30/2020 12:00	142	0.32	3.1
7/30/2020 12:30	158	0.35	3.1
7/30/2020 13:00	138	0.31	3.1
7/30/2020 13:30	160	0.36	3.1
7/30/2020 14:00	138	0.31	3.1
7/30/2020 14:30	158	0.35	3.1
7/30/2020 15:00	138	0.31	3.1

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
7/30/2020 15:30	162	0.36	3.1
7/30/2020 17:00	161	0.36	3.2
7/30/2020 17:30	162	0.36	3.2
9/8/2020 19:30	169	0.38	2.4
9/8/2020 20:00	177	0.39	2.4
9/8/2020 20:30	191	0.43	2.4
9/8/2020 21:00	174	0.39	2.4
9/8/2020 21:30	186	0.41	2.4
9/8/2020 22:00	150	0.33	2.3
9/8/2020 22:30	139	0.31	2.3
9/8/2020 23:00	156	0.35	2.3
9/8/2020 23:30	156	0.35	2.3
9/9/2020 0:00	158	0.35	2.3
9/9/2020 0:30	157	0.35	2.3
9/9/2020 1:00	156	0.35	2.3
9/9/2020 1:30	164	0.36	2.2
9/9/2020 2:00	146	0.33	2.2
9/9/2020 2:30	138	0.31	2.2
9/9/2020 3:00	145	0.32	2.2
9/9/2020 3:30	143	0.32	2.2
9/9/2020 4:00	151	0.34	2.2
9/9/2020 4:30	152	0.34	2.2
9/9/2020 5:00	150	0.33	2.2
9/9/2020 5:30	150	0.33	2.2
9/9/2020 6:00	165	0.37	2.1
9/9/2020 6:30	175	0.39	2.1
9/9/2020 7:00	170	0.38	2.1
9/9/2020 7:30	186	0.41	2.1
9/9/2020 8:00	160	0.36	2.1
9/9/2020 8:30	165	0.37	2.1
9/9/2020 9:00	161	0.36	2.1
9/9/2020 9:30	184	0.41	2.1
9/9/2020 10:00	179	0.40	2.1
9/9/2020 10:30	205	0.46	2.1
9/9/2020 11:00	170	0.38	2.1
9/9/2020 11:30	157	0.35	2.1
9/9/2020 12:00	158	0.35	2.0
9/9/2020 12:30	157	0.35	2.0
9/9/2020 13:00	151	0.34	2.0
9/9/2020 13:30	143	0.32	2.0
9/9/2020 14:00	152	0.34	2.0
9/9/2020 14:30	143	0.32	2.0
9/9/2020 15:00	157	0.35	2.0
9/9/2020 15:30	136	0.30	2.0
9/9/2020 17:00	168	0.37	2.0
9/9/2020 17:30	175	0.39	2.0
9/9/2020 18:00	163	0.36	2.0
9/9/2020 18:30	167	0.37	2.0
9/9/2020 19:00	188	0.42	2.0
9/9/2020 19:30	207	0.46	2.0
9/9/2020 20:00	164	0.37	2.0
9/9/2020 20:30	170	0.38	2.0
9/9/2020 21:00	238	0.53	2.0
9/9/2020 21:30	218	0.49	2.0
9/9/2020 22:00	171	0.38	2.0
9/9/2020 22:30	172	0.38	2.0
9/9/2020 23:00	161	0.36	2.0
9/9/2020 23:30	156	0.35	1.9
9/10/2020 0:00	164	0.37	1.9
9/10/2020 0:30	164	0.37	1.9
9/10/2020 1:00	159	0.36	1.9

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/10/2020 1:30	169	0.38	1.9
9/10/2020 2:00	152	0.34	1.9
9/10/2020 2:30	145	0.32	1.9
9/10/2020 3:00	154	0.34	1.9
9/10/2020 3:30	148	0.33	1.9
9/10/2020 4:00	159	0.35	1.9
9/10/2020 4:30	165	0.37	1.9
9/10/2020 5:00	151	0.34	1.9
9/10/2020 5:30	150	0.33	1.9
9/10/2020 6:00	160	0.36	1.9
9/10/2020 6:30	159	0.35	1.9
9/10/2020 7:00	164	0.37	1.9
9/10/2020 7:30	174	0.39	1.9
9/10/2020 8:00	163	0.36	1.9
9/10/2020 8:30	172	0.38	1.9
9/10/2020 9:00	156	0.35	1.9
9/10/2020 9:30	164	0.37	1.9
9/10/2020 10:00	172	0.38	1.9
9/10/2020 10:30	175	0.39	1.9
9/10/2020 11:00	151	0.34	1.9
9/11/2020 14:45	340	0.76	1.9
9/11/2020 15:15	189	0.42	1.9
9/11/2020 15:45	177	0.40	1.9
9/12/2020 16:45	151	0.34	2.4
9/12/2020 17:15	149	0.33	2.4
9/12/2020 17:45	161	0.36	2.4
9/12/2020 18:15	175	0.39	2.4
9/12/2020 18:45	153	0.34	2.4
9/16/2020 20:45	155	0.34	1.8
9/16/2020 21:15	152	0.34	1.8
9/16/2020 21:45	152	0.34	1.8
9/16/2020 22:15	152	0.34	1.8
9/16/2020 22:45	153	0.34	1.8
9/16/2020 23:15	149	0.33	1.8
9/16/2020 23:45	144	0.32	1.8
9/17/2020 0:15	126	0.28	1.8
9/17/2020 0:45	146	0.32	1.8
9/17/2020 1:15	134	0.30	1.8
9/17/2020 1:45	143	0.32	1.8
9/17/2020 2:15	130	0.29	1.8
9/17/2020 2:45	146	0.32	1.8
9/17/2020 3:15	126	0.28	1.8
9/17/2020 3:45	152	0.34	1.8
9/17/2020 4:15	136	0.30	1.8
9/17/2020 4:45	155	0.34	1.8
9/17/2020 5:15	157	0.35	1.8
9/17/2020 5:45	159	0.35	1.8
9/17/2020 6:15	156	0.35	1.8
9/17/2020 6:45	154	0.34	1.8
9/17/2020 7:15	150	0.33	1.8
9/17/2020 7:45	151	0.34	1.8
9/17/2020 8:15	148	0.33	1.8
9/17/2020 8:45	153	0.34	1.8
9/17/2020 9:15	151	0.34	1.8
9/17/2020 9:45	158	0.35	1.8
9/17/2020 10:15	174	0.39	1.8
9/17/2020 10:45	171	0.38	1.8
9/17/2020 11:15	154	0.34	1.8
9/17/2020 11:45	158	0.35	1.8
9/17/2020 12:15	142	0.32	1.8
9/17/2020 12:45	181	0.40	1.8

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/17/2020 13:15	157	0.35	1.8
9/17/2020 13:45	190	0.42	1.8
9/17/2020 14:15	177	0.40	1.8
9/17/2020 14:45	204	0.45	1.8
9/17/2020 15:15	230	0.51	1.8
9/17/2020 15:45	308	0.69	1.8
9/17/2020 16:45	231	0.51	1.8
9/17/2020 17:15	205	0.46	1.8
9/17/2020 17:45	383	0.85	1.8
9/17/2020 18:15	415	0.92	1.8
9/17/2020 18:45	279	0.62	1.9
9/17/2020 19:15	195	0.44	1.9
9/17/2020 19:45	179	0.40	1.9
9/17/2020 20:15	175	0.39	1.9
9/17/2020 20:45	169	0.38	1.9
9/17/2020 21:15	172	0.38	2.0
9/17/2020 21:45	159	0.35	2.0
9/17/2020 22:15	149	0.33	2.1
9/17/2020 22:45	162	0.36	2.1
9/17/2020 23:15	170	0.38	2.1
9/17/2020 23:45	158	0.35	2.2
9/18/2020 0:15	153	0.34	2.2
9/18/2020 0:45	150	0.33	2.3
9/18/2020 1:15	139	0.31	2.3
9/18/2020 1:45	169	0.38	2.3
9/18/2020 2:15	172	0.38	2.3
9/18/2020 2:45	161	0.36	2.4
9/18/2020 3:15	166	0.37	2.4
9/18/2020 3:45	164	0.37	2.4
9/18/2020 4:15	172	0.38	2.4
9/18/2020 4:45	166	0.37	2.5
9/18/2020 5:15	210	0.47	2.5
9/18/2020 5:45	177	0.40	2.5
9/18/2020 6:15	189	0.42	2.5
9/18/2020 6:45	173	0.38	2.6
9/18/2020 7:15	188	0.42	2.6
9/18/2020 7:45	174	0.39	2.6
9/18/2020 8:15	193	0.43	2.6
9/18/2020 8:45	171	0.38	2.6
9/18/2020 9:15	187	0.42	2.6
9/18/2020 9:45	177	0.39	2.6
9/18/2020 10:15	217	0.48	2.7
9/18/2020 10:45	168	0.38	2.7
9/18/2020 11:15	193	0.43	2.7
9/18/2020 11:45	162	0.36	2.7
9/18/2020 12:15	165	0.37	2.7
9/18/2020 12:45	157	0.35	2.7
9/18/2020 13:15	156	0.35	2.7
9/18/2020 13:45	163	0.36	2.8
9/18/2020 14:15	157	0.35	2.8
9/18/2020 14:45	164	0.37	2.8
9/18/2020 15:15	170	0.38	2.8
9/18/2020 15:45	164	0.36	2.8
9/18/2020 16:45	167	0.37	2.9
9/18/2020 17:15	185	0.41	2.9
9/18/2020 17:45	167	0.37	2.9
9/18/2020 18:15	188	0.42	2.9
9/18/2020 18:45	172	0.38	2.9
9/18/2020 19:15	198	0.44	3.0
9/18/2020 19:45	174	0.39	3.0
9/18/2020 20:15	196	0.44	3.0

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/18/2020 20:45	170	0.38	3.0
9/18/2020 21:15	189	0.42	3.0
9/18/2020 21:45	166	0.37	3.0
9/18/2020 22:15	189	0.42	3.0
9/18/2020 22:45	160	0.36	3.0
9/18/2020 23:15	172	0.38	3.1
9/18/2020 23:45	160	0.36	3.1
9/19/2020 0:15	169	0.38	3.1
9/19/2020 0:45	161	0.36	3.1
9/19/2020 1:15	162	0.36	3.1
9/19/2020 1:45	157	0.35	3.1
9/19/2020 2:15	161	0.36	3.1
9/19/2020 2:45	147	0.33	3.2
9/19/2020 3:15	144	0.32	3.2
9/19/2020 3:45	153	0.34	3.2
9/19/2020 4:15	170	0.38	3.2
9/19/2020 4:45	163	0.36	3.2
9/19/2020 5:15	182	0.41	3.2
9/19/2020 5:45	160	0.36	3.2
9/19/2020 6:15	176	0.39	3.2
9/19/2020 6:45	166	0.37	3.2
9/19/2020 7:15	191	0.43	3.2
9/19/2020 7:45	163	0.36	3.3
9/19/2020 8:15	188	0.42	3.3
9/19/2020 8:45	157	0.35	3.3
9/19/2020 9:15	181	0.40	3.3
9/19/2020 9:45	158	0.35	3.3
9/19/2020 10:15	169	0.38	3.3
9/19/2020 10:45	166	0.37	3.3
9/19/2020 11:15	174	0.39	3.3
9/25/2020 6:15	179	0.40	3.3
9/25/2020 6:45	170	0.38	3.3
9/25/2020 7:15	176	0.39	3.3
9/25/2020 7:45	179	0.40	3.3
9/25/2020 8:15	196	0.44	3.3
9/25/2020 8:45	174	0.39	3.3
9/25/2020 9:15	204	0.46	3.3
9/25/2020 9:45	209	0.47	3.3
9/25/2020 10:15	183	0.41	3.3
9/25/2020 10:45	175	0.39	3.3
9/25/2020 11:15	167	0.37	3.3
9/25/2020 11:45	167	0.37	3.3
9/25/2020 12:15	144	0.32	3.3
9/25/2020 12:45	178	0.40	3.3
9/25/2020 13:15	169	0.38	3.3
9/25/2020 13:45	173	0.39	3.3
9/25/2020 14:15	154	0.34	3.3
9/25/2020 14:45	174	0.39	3.3
9/25/2020 15:15	191	0.42	3.3
9/25/2020 15:45	218	0.49	3.3
9/25/2020 16:45	531	1.18	3.3
9/25/2020 17:45	459	1.02	3.3
9/25/2020 18:15	300	0.67	3.3
9/25/2020 18:45	255	0.57	3.3
9/25/2020 19:15	229	0.51	3.4
9/25/2020 19:45	223	0.50	3.4
9/25/2020 20:15	232	0.52	3.4
9/25/2020 20:45	200	0.45	3.4
9/25/2020 21:15	216	0.48	3.5
9/25/2020 21:45	192	0.43	3.6
9/25/2020 22:15	192	0.43	3.6

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/25/2020 22:45	184	0.41	3.6
9/25/2020 23:15	198	0.44	3.7
9/25/2020 23:45	181	0.40	3.7
9/26/2020 0:15	177	0.40	3.8
9/26/2020 0:45	173	0.39	3.8
9/26/2020 1:15	152	0.34	3.9
9/26/2020 1:45	177	0.39	3.9
9/26/2020 2:15	169	0.38	4.0
9/26/2020 2:45	181	0.40	4.0
9/26/2020 3:15	166	0.37	4.1
9/26/2020 3:45	183	0.41	4.1
9/26/2020 4:15	183	0.41	4.2
9/26/2020 4:45	188	0.42	4.2
9/26/2020 5:15	196	0.44	4.2
9/26/2020 5:45	190	0.42	4.3
9/26/2020 6:15	217	0.48	4.3
9/26/2020 6:45	185	0.41	4.4
9/26/2020 7:15	206	0.46	4.4
9/26/2020 7:45	188	0.42	4.4
9/26/2020 8:15	208	0.46	4.5
9/26/2020 8:45	181	0.40	4.5
9/26/2020 9:15	190	0.42	4.5
9/26/2020 9:45	180	0.40	4.6
9/26/2020 10:15	185	0.41	4.6
9/26/2020 10:45	184	0.41	4.6
9/26/2020 11:15	186	0.42	4.7
9/26/2020 11:45	195	0.43	4.7
9/26/2020 12:15	199	0.44	4.7
9/26/2020 12:45	228	0.51	4.7
9/26/2020 13:15	224	0.50	4.7
9/26/2020 13:45	281	0.63	4.8
9/26/2020 14:15	286	0.64	4.8
9/26/2020 14:45	360	0.80	4.8
9/26/2020 15:15	369	0.82	4.8
9/26/2020 15:45	443	0.99	4.9
9/26/2020 16:45	543	1.21	4.9
9/26/2020 17:15	618	1.38	5.0
9/26/2020 17:45	639	1.42	5.0
9/28/2020 5:15	664	1.48	5.4
9/28/2020 5:45	666	1.48	5.4
9/28/2020 6:15	673	1.50	5.4
9/28/2020 6:45	611	1.36	5.4
9/28/2020 7:15	617	1.37	5.3
9/28/2020 7:45	541	1.21	5.3
9/28/2020 8:15	518	1.15	5.3
9/28/2020 8:45	516	1.15	5.3
9/28/2020 9:15	515	1.15	5.3
9/28/2020 9:45	484	1.08	5.3
9/28/2020 10:15	468	1.04	5.3
9/28/2020 10:45	455	1.01	5.2
9/28/2020 11:15	446	0.99	5.2
9/28/2020 11:45	446	0.99	5.2
9/28/2020 12:15	446	0.99	5.2
9/28/2020 12:45	434	0.97	5.2
9/28/2020 13:15	404	0.90	5.2
9/28/2020 13:45	426	0.95	5.2
9/28/2020 14:15	410	0.91	5.2
9/28/2020 14:45	440	0.98	5.1
9/28/2020 15:15	427	0.95	5.1
9/28/2020 15:45	443	0.99	5.1
9/28/2020 16:45	452	1.01	5.1

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/28/2020 17:15	461	1.03	5.1
9/28/2020 17:45	453	1.01	5.1
9/28/2020 18:15	446	0.99	5.1
9/28/2020 18:45	473	1.05	5.1
9/28/2020 19:15	463	1.03	5.1
9/28/2020 19:45	482	1.07	5.1
9/28/2020 20:15	473	1.05	5.1
9/28/2020 20:45	486	1.08	5.1
9/28/2020 21:15	472	1.05	5.1
9/28/2020 21:45	495	1.10	5.1
9/28/2020 22:15	505	1.13	5.2
9/28/2020 22:45	492	1.10	5.2
9/28/2020 23:15	509	1.13	5.2
9/28/2020 23:45	487	1.09	5.2
9/29/2020 0:15	464	1.03	5.2
9/29/2020 0:45	480	1.07	5.2
9/29/2020 1:15	471	1.05	5.2
9/29/2020 1:45	476	1.06	5.2
9/29/2020 2:15	443	0.99	5.2
9/29/2020 2:45	462	1.03	5.2
9/29/2020 3:15	423	0.94	5.2
9/29/2020 3:45	488	1.09	5.2
9/29/2020 4:15	462	1.03	5.2
9/29/2020 4:45	450	1.00	5.2
9/29/2020 5:15	445	0.99	5.2
9/29/2020 5:45	449	1.00	5.2
9/29/2020 6:15	443	0.99	5.2
9/29/2020 6:45	445	0.99	5.2
9/29/2020 7:15	440	0.98	5.2
9/29/2020 7:45	412	0.92	5.2
9/29/2020 8:15	421	0.94	5.2
9/29/2020 8:45	386	0.86	5.1
9/29/2020 9:15	356	0.79	5.1
9/29/2020 9:45	378	0.84	5.1
9/29/2020 10:15	361	0.80	5.1
9/29/2020 10:45	366	0.81	5.1
9/29/2020 11:15	338	0.75	5.1
9/29/2020 11:45	334	0.74	5.1
9/29/2020 12:15	297	0.66	5.1
9/29/2020 12:45	312	0.70	5.1
9/29/2020 13:15	256	0.57	5.1
9/29/2020 13:45	293	0.65	5.1
9/29/2020 14:15	244	0.54	5.1
9/29/2020 14:45	288	0.64	5.1
9/29/2020 15:15	255	0.57	5.1
9/29/2020 15:45	280	0.62	5.1
9/29/2020 16:45	248	0.55	5.0
9/29/2020 17:15	233	0.52	5.0
9/29/2020 17:45	247	0.55	5.0
9/29/2020 18:15	221	0.49	5.0
9/29/2020 18:45	242	0.54	5.0
9/29/2020 19:15	235	0.52	5.0
9/29/2020 19:45	463	1.03	5.0
9/29/2020 20:45	571	1.27	5.0
9/29/2020 21:15	456	1.02	5.0
9/29/2020 21:45	390	0.87	5.0
9/29/2020 22:15	361	0.80	4.9
9/29/2020 22:45	380	0.85	4.9
9/29/2020 23:15	407	0.91	4.9
9/29/2020 23:45	506	1.13	4.9
9/30/2020 0:15	651	1.45	5.2

**TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina**

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
9/30/2020 0:45	544	1.21	5.2
9/30/2020 1:15	605	1.35	5.2
9/30/2020 1:45	620	1.38	5.2
9/30/2020 2:15	675	1.50	5.3
9/30/2020 2:45	690	1.54	5.3
10/10/2020 5:00	203	0.45	2.2
10/10/2020 5:30	206	0.46	2.2
10/10/2020 6:00	194	0.43	2.2
10/10/2020 6:30	201	0.45	2.2
10/10/2020 7:00	188	0.42	2.2
10/10/2020 7:30	176	0.39	2.2
10/10/2020 8:00	199	0.44	2.2
10/10/2020 8:30	213	0.47	2.2
10/10/2020 9:00	190	0.42	2.2
10/10/2020 9:30	177	0.39	2.2
10/10/2020 10:00	185	0.41	2.2
10/10/2020 10:30	172	0.38	2.2
10/10/2020 11:00	200	0.44	2.2
10/10/2020 11:30	195	0.43	2.2
10/10/2020 12:00	184	0.41	2.2
10/10/2020 12:30	170	0.38	2.2
10/10/2020 13:00	177	0.39	2.2
10/10/2020 13:30	153	0.34	2.2
10/10/2020 14:00	171	0.38	2.2
10/10/2020 14:30	149	0.33	2.2
10/10/2020 15:00	193	0.43	2.2
10/10/2020 15:30	189	0.42	2.2
10/10/2020 16:00	190	0.42	2.2
10/10/2020 16:30	183	0.41	2.2
10/10/2020 17:00	200	0.45	2.2
10/10/2020 17:30	220	0.49	2.2
10/10/2020 18:00	196	0.44	2.2
10/10/2020 18:30	196	0.44	2.2
10/10/2020 19:00	189	0.42	2.2
10/10/2020 19:30	198	0.44	2.2
10/10/2020 20:00	188	0.42	2.2
10/10/2020 20:30	188	0.42	2.2
10/10/2020 21:00	197	0.44	2.2
10/10/2020 21:30	199	0.44	2.2
10/10/2020 22:00	198	0.44	2.2
10/10/2020 22:30	199	0.44	2.2
10/10/2020 23:00	180	0.40	2.2
10/10/2020 23:30	158	0.35	2.2
10/11/2020 0:00	187	0.42	2.2
10/11/2020 0:30	167	0.37	2.2
10/11/2020 1:00	183	0.41	2.2
10/11/2020 1:30	160	0.36	2.2
10/11/2020 2:00	188	0.42	2.2
10/11/2020 2:30	175	0.39	2.2
10/11/2020 3:00	180	0.40	2.2
10/11/2020 3:30	159	0.35	2.2
10/11/2020 4:00	180	0.40	2.2
10/11/2020 4:30	167	0.37	2.2
10/11/2020 5:00	197	0.44	2.2
10/11/2020 5:30	209	0.47	2.2
10/11/2020 6:00	247	0.55	2.2
10/11/2020 6:30	371	0.83	2.2
10/11/2020 7:00	335	0.75	2.2
10/11/2020 7:30	300	0.67	2.3
10/11/2020 8:00	256	0.57	2.3
10/11/2020 8:30	231	0.51	2.3

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
10/11/2020 9:00	297	0.66	2.3
10/11/2020 9:30	406	0.90	2.3
10/11/2020 10:00	251	0.56	2.3
10/11/2020 10:30	215	0.48	2.3
10/11/2020 11:00	206	0.46	2.3
10/11/2020 11:30	206	0.46	2.3
10/11/2020 12:00	185	0.41	2.3
10/11/2020 12:30	162	0.36	2.3
10/11/2020 13:00	181	0.40	2.3
10/11/2020 13:30	150	0.33	2.4
10/11/2020 14:00	179	0.40	2.4
10/11/2020 14:30	158	0.35	2.4
10/11/2020 15:00	192	0.43	2.4
10/11/2020 15:30	198	0.44	2.4
10/11/2020 16:00	213	0.47	2.4
10/11/2020 16:30	246	0.55	2.4
10/11/2020 17:00	341	0.76	2.4
10/11/2020 17:30	221	0.49	2.4
10/11/2020 18:00	212	0.47	2.4
10/11/2020 18:30	210	0.47	2.5
10/11/2020 19:00	206	0.46	2.5
10/11/2020 19:30	204	0.46	2.5
10/11/2020 20:00	193	0.43	2.5
10/11/2020 20:30	197	0.44	2.5
10/11/2020 21:00	192	0.43	2.6
10/11/2020 21:30	191	0.42	2.6
10/11/2020 22:00	199	0.44	2.6
10/11/2020 22:30	205	0.46	2.6
10/11/2020 23:00	191	0.43	2.7
10/11/2020 23:30	192	0.43	2.7
10/12/2020 0:00	192	0.43	2.7
10/12/2020 0:30	187	0.42	2.7
10/12/2020 1:00	192	0.43	2.8
10/12/2020 1:30	184	0.41	2.8
10/12/2020 2:00	189	0.42	2.8
10/12/2020 2:30	176	0.39	2.8
10/12/2020 3:00	185	0.41	2.9
10/12/2020 3:30	172	0.38	2.9
10/12/2020 4:00	190	0.42	2.9
10/12/2020 4:30	193	0.43	3.0
10/12/2020 5:00	200	0.45	3.0
10/12/2020 5:30	210	0.47	3.0
10/12/2020 6:00	200	0.44	3.1
10/12/2020 6:30	216	0.48	3.1
10/12/2020 7:00	195	0.43	3.1
10/12/2020 7:30	202	0.45	3.1
10/12/2020 8:00	200	0.45	3.2
10/12/2020 8:30	213	0.47	3.2
10/12/2020 9:00	198	0.44	3.2
10/12/2020 9:30	212	0.47	3.3
10/12/2020 10:00	195	0.43	3.3
10/12/2020 10:30	196	0.44	3.3
10/12/2020 11:00	190	0.42	3.3
10/12/2020 11:30	193	0.43	3.4
10/12/2020 12:00	187	0.42	3.4
10/12/2020 12:30	182	0.41	3.4
10/12/2020 13:00	177	0.39	3.4
10/12/2020 13:30	145	0.32	3.4
10/12/2020 14:00	188	0.42	3.5
10/12/2020 14:30	180	0.40	3.5
10/12/2020 15:00	180	0.40	3.5

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
10/12/2020 15:30	171	0.38	3.5
10/12/2020 16:00	201	0.45	3.5
10/12/2020 16:30	208	0.46	3.6
10/12/2020 17:00	192	0.43	3.6
10/12/2020 17:30	200	0.44	3.6
10/12/2020 18:00	198	0.44	3.6
10/12/2020 18:30	230	0.51	3.6
10/12/2020 19:00	208	0.46	3.7
10/12/2020 19:30	210	0.47	3.7
10/12/2020 20:00	206	0.46	3.7
10/12/2020 20:30	235	0.52	3.7
10/12/2020 21:00	198	0.44	3.8
10/12/2020 21:30	198	0.44	3.8
10/12/2020 22:00	199	0.44	3.8
10/12/2020 22:30	219	0.49	3.9
10/12/2020 23:00	194	0.43	3.9
10/12/2020 23:30	182	0.40	4.0
10/13/2020 0:00	186	0.41	4.0
10/13/2020 0:30	182	0.40	4.0
10/13/2020 1:00	187	0.42	4.1
10/13/2020 1:30	190	0.42	4.1
10/13/2020 2:00	195	0.44	4.2
10/13/2020 2:30	199	0.44	4.2
10/13/2020 10:00	245	0.55	4.9
10/13/2020 10:30	295	0.66	5.0
10/13/2020 11:00	361	0.80	5.0
10/13/2020 11:30	421	0.94	5.1
10/13/2020 12:00	460	1.02	5.1
10/13/2020 12:30	488	1.09	5.1
10/13/2020 13:00	594	1.32	5.2
10/13/2020 13:30	635	1.41	5.2
10/16/2020 2:30	178	0.40	4.4
10/16/2020 3:00	185	0.41	4.4
10/16/2020 3:30	176	0.39	4.4
10/16/2020 4:00	185	0.41	4.4
10/16/2020 4:30	183	0.41	4.4
10/16/2020 5:00	186	0.42	4.4
10/16/2020 5:30	187	0.42	4.4
10/16/2020 6:00	187	0.42	4.4
10/16/2020 6:30	183	0.41	4.4
10/16/2020 7:00	190	0.42	4.4
10/16/2020 7:30	198	0.44	4.3
10/16/2020 8:00	201	0.45	4.3
10/16/2020 8:30	214	0.48	4.3
10/16/2020 9:00	195	0.43	4.3
10/16/2020 9:30	208	0.46	4.3
10/16/2020 10:00	199	0.44	4.3
10/16/2020 10:30	237	0.53	4.3
10/16/2020 11:00	196	0.44	4.3
10/16/2020 11:30	205	0.46	4.3
10/16/2020 12:00	198	0.44	4.3
10/16/2020 12:30	208	0.46	4.3
10/16/2020 13:00	173	0.39	4.3
10/16/2020 13:30	157	0.35	4.3
10/16/2020 14:00	179	0.40	4.3
10/16/2020 14:30	156	0.35	4.3
10/16/2020 15:00	185	0.41	4.3
10/16/2020 15:30	184	0.41	4.3
10/16/2020 16:00	209	0.47	4.2
10/16/2020 16:30	220	0.49	4.2
10/16/2020 17:00	188	0.42	4.2

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
10/16/2020 17:30	189	0.42	4.2
10/16/2020 18:00	206	0.46	4.2
10/16/2020 18:30	229	0.51	4.2
10/16/2020 19:00	204	0.46	4.2
10/16/2020 19:30	243	0.54	4.2
10/16/2020 20:00	198	0.44	4.2
10/16/2020 20:30	204	0.45	4.2
10/16/2020 21:00	193	0.43	4.2
10/16/2020 21:30	219	0.49	4.2
10/16/2020 22:00	211	0.47	4.2
10/16/2020 22:30	235	0.52	4.2
10/16/2020 23:00	194	0.43	4.2
10/16/2020 23:30	177	0.39	4.2
10/17/2020 0:00	184	0.41	4.2
10/17/2020 0:30	195	0.44	4.2
10/17/2020 1:00	179	0.40	4.2
10/17/2020 1:30	192	0.43	4.2
10/17/2020 2:00	198	0.44	4.2
10/17/2020 2:30	193	0.43	4.2
10/17/2020 3:00	183	0.41	4.2
10/17/2020 3:30	187	0.42	4.2
10/17/2020 4:00	182	0.41	4.2
10/17/2020 4:30	192	0.43	4.2
10/17/2020 5:00	192	0.43	4.2
10/17/2020 5:30	214	0.48	4.3
10/17/2020 6:00	202	0.45	4.3
10/17/2020 6:30	240	0.53	4.3
10/17/2020 7:00	181	0.40	4.3
10/17/2020 7:30	196	0.44	4.3
10/17/2020 8:00	203	0.45	4.3
10/17/2020 8:30	250	0.56	4.3
10/17/2020 9:00	191	0.43	4.3
10/17/2020 9:30	204	0.46	4.3
10/17/2020 10:00	191	0.42	4.3
10/25/2020 8:00	236	0.52	2.4
10/25/2020 8:30	280	0.62	2.4
10/25/2020 9:00	272	0.61	2.4
10/25/2020 9:30	216	0.48	2.4
10/25/2020 10:00	210	0.47	2.4
10/25/2020 10:30	185	0.41	2.4
10/25/2020 11:00	174	0.39	2.4
10/25/2020 11:30	195	0.44	2.4
10/25/2020 12:00	196	0.44	2.4
10/25/2020 12:30	180	0.40	2.4
10/25/2020 13:00	168	0.38	2.4
10/25/2020 13:30	178	0.40	2.4
10/25/2020 14:00	163	0.36	2.4
10/25/2020 14:30	185	0.41	2.4
10/25/2020 15:00	177	0.39	2.4
10/25/2020 15:30	196	0.44	2.4
10/25/2020 16:00	208	0.46	2.4
10/25/2020 16:30	199	0.44	2.5
10/25/2020 17:00	212	0.47	2.5
10/25/2020 17:30	198	0.44	2.5
10/25/2020 18:00	205	0.46	2.5
10/25/2020 18:30	202	0.45	2.5
10/25/2020 19:00	224	0.50	2.5
10/25/2020 19:30	199	0.44	2.5
10/25/2020 20:00	217	0.48	2.5
10/25/2020 20:30	191	0.42	2.5
10/25/2020 21:00	201	0.45	2.5

TABLE B16
HISTORICAL SEEP D FLUME DATA - 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft³/s)	Gage Height (ft)
10/25/2020 21:30	196	0.44	2.5
10/25/2020 22:00	189	0.42	2.5
10/25/2020 22:30	197	0.44	2.5
10/25/2020 23:00	214	0.48	2.5
10/25/2020 23:30	185	0.41	2.5
10/26/2020 0:00	161	0.36	2.5
10/26/2020 0:30	198	0.44	2.5
10/26/2020 1:00	209	0.47	2.5
10/26/2020 1:30	185	0.41	2.5
10/26/2020 2:00	193	0.43	2.6
10/26/2020 2:30	178	0.40	2.6
10/26/2020 3:00	173	0.39	2.6
10/26/2020 3:30	189	0.42	2.6
10/26/2020 4:00	196	0.44	2.6
10/26/2020 4:30	172	0.38	2.6
10/26/2020 5:00	162	0.36	2.7
10/26/2020 5:30	193	0.43	2.7
10/26/2020 6:00	218	0.49	2.7
10/26/2020 6:30	191	0.43	2.7
10/26/2020 7:00	210	0.47	2.7
10/26/2020 7:30	182	0.41	2.8
10/26/2020 8:00	193	0.43	2.8
10/26/2020 8:30	188	0.42	2.8
10/26/2020 9:00	204	0.45	2.8
10/26/2020 9:30	193	0.43	2.8
10/26/2020 10:00	207	0.46	2.9
10/26/2020 10:30	185	0.41	2.9
10/26/2020 11:00	183	0.41	2.9
10/26/2020 11:30	184	0.41	2.9
10/26/2020 12:00	183	0.41	2.9
10/26/2020 12:30	172	0.38	2.9
Median Flow Rate	169	0.38	

Notes

Measurements are recorded from the flume at Seep D.
 The current flume at Seep D was installed in May 2020.
 Median flow rate was used for mass loading
 calculations at Seep D for February and March 2021.
 ft³/sec - cubic feet per second
 ft - feet
 gpm - gallons per minute

Supplemental Mass Loading Tables

- TABLE B17

CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load ² (kg)																							Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)
Interval ID	Start Time ¹	End Time ¹	Total River Flow (m ³)	HFPO-DA	PFMOAA	PF2HxA	PF3OA	PF4DA	PF5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Formerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA					
2020 1 Q1	3/28/20 1:00	3/31/20 12:30	90,900,221	0.29	2.50	0.83	0.10	0	0.00	1.23	0	0	0	0	0.75	0	0	0	0	0.10	0	0	0	1.32	4.9	4.9	5.8		
2020 2 Q1	3/31/20 12:30	4/2/20 13:30	27,756,145	0.28	1.17	0.39	0.09	0	0.00	0.47	0	0	0	0.22	0.39	0	0	0	0	0	0	0	0	0.33	2.4	2.4	3.0		
2020 3 Q1	4/2/20 13:30	4/3/20 15:00	9,680,794	0.17	0.48	0.21	0.05	0	0.00	0.28	0	0	0	0.13	0.17	0	0	0	0	0.02	0	0	0	0.10	1.2	1.2	1.5		
2020 4 Q1	4/3/20 15:00	4/6/20 0:00	15,145,577	0.28	1.14	0.42	0.10	0.02	0.04	0.42	0	0	0	0.18	0.39	0	0.05	0	0	0.03	0	0	0	0.06	2.4	2.5	3.1		
2020 5 Q1	4/6/20 0:00	4/9/20 6:30	16,574,785	0.33	1.56	0.55	0.13	0.05	0.08	0.51	0	0	0	0.22	0.51	0	0.08	0	0	0.06	0	0	0	NA	3.2	3.3	4.1		
2020 6 Q1	4/9/20 6:30	4/15/20 14:30	38,570,773	0.49	2.35	0.85	0.21	0.05	0.23	0.93	0	0	0	0.25	0.78	0	0.10	0	0	0.07	0	0	0	NA	5.1	5.2	6.3		
2020 7 Q1	4/15/20 14:30	4/19/20 2:00	55,746,498	0.31	1.56	0.61	0.14	0	0.38	0.95	0	0	0	0.00	0.54	0	0	0	0	0.00	0	0	0	NA	4.0	4.0	4.5		
2020 8 Q1	4/19/20 2:00	4/22/20 13:30	27,903,959	0.33	1.42	0.53	0.14	0	0.15	0.70	0	0	0	0.00	0.47	0	0	0	0	0.00	0	0	0	NA	3.3	3.3	3.8		
2020 9 Q1	4/22/20 13:30	4/26/20 0:49	28,652,713	0.32	1.52	0.54	0.14	0	0.00	0.60	0	0	0	0.21	0.66	0	0.08	0	0	0.00	0	0	0	NA	3.1	3.2	4.1		
2020 10 Q1	4/26/20 0:49	4/29/20 11:49	22,888,734	0.30	1.35	0.55	0.13	0	0.00	0.53	0	0	0	0.30	0.62	0	0.09	0	0	0.05	0	0	0	NA	2.9	2.9	3.9		
2020 11 Q1	4/29/20 11:49	4/30/20 9:49	7,256,900	0.09	0.30	0.14	0.03	0	0.00	0.17	0	0	0	0.12	0.16	0	0.03	0	0	0.03	0	0	0	NA	0.7	0.8	1.1		
2020 12 Q1	4/30/20 9:49	5/3/20 1:00	55,522,229	0.67	1.50	0.89	0.19	0	0.00	1.33	0	0	0	1.11	1.00	0	0.18	0	0	0.33	0	0	0	NA	4.6	4.8	7.2		
2020 13 Q1	5/3/20 1:00	5/6/20 12:00	72,975,232	0.45	1.31	0.72	0.15	0	0.00	1.09	0	0	0	0.80	0.88	0	0	0	0.00	0	0	0	NA	3.7	3.7	5.4			
2020 14 Q1	5/6/20 12:00	5/9/20 23:49	44,993,799	0.42	1.53	0.63	0.17	0	0.00	0.81	0	0	0	0.58	0.67	0	0.10	0	0	0.12	0	0	0	NA	3.6	3.7	5.0		
2020 1 Q2	5/9/20 23:49	5/13/20 9:49	15,999,330	0.21	1.10	0.43	0.11	0	0.00	0.35	0	0	0	0.19	0.54	0	0.05	0	0	0.08	0	0	0	NA	2.2	2.3	3.1		
2020 2 Q2	5/13/20 9:49	5/13/20 20:50	1,909,858	0.04	0.18	0.07	0.02	0	0.00	0.05	0	0	0	0.03	0.09	0	0.01	0	0	0.01	0	0	0	NA	0.4	0.4	0.5		
2020 3 Q2	5/13/20 20:50	5/14/20 20:50	3,563,845	0.02	0.08	0.03	0.01	0	0.00	0.02	0	0	0	0.01	0.04	0	0.00	0	0	0.01	0	0	0	NA	0.2	0.2	0.2		
2020 4 Q2	5/14/20 20:50	5/16/20 20:50	6,321,849	0.12	0.59	0.23	0.05	0	0.00	0.17	0	0	0	0.09	0.30	0	0.03	0	0	0.04	0	0	0	NA	1.2	1.2	1.6		
2020 5 Q2	5/16/20 20:50	5/20/20 8:49	11,021,058	0.28	1.32	0.50	0.11	0	0.00	0.35	0	0	0	0.17	0.60	0	0.04	0	0	0.09	0	0	0	NA	2.8	2.9	3.7		
2020 6 Q2	5/20/20 8:49	5/25/20 10:15	216,311,428	2.92	12.98	5.10	1.08	0	0.00	3.46	2	0	0	1.62	6.21	0	0.41	0	0	1.09	0	0	0	NA	28.3	29	38		
2020 7 Q2	5/25/20 10:15	5/29/20 9:10	171,453,975	0.56	0.00	0.75	0.00	0	0.00	0.00	0	0	0	0.00	0.29	0	0.00	0	0	0.17	0	0	0	NA	1.3	1.3	1.8		
2020 8 Q2	5/29/20 9:10	6/1/20 14:25	171,922,902	0.56	0.49	0.83	0.00	0	0.00	0.00	0	0	0	0.20	0.24	0	0.00	0	0	0.00	0	0	0	NA	1.9	1.9	2.3		
2020 9 Q2	6/1/20 14:25	6/5/20 11:06	172,656,875	0.57	1.27	0.83	0.00	0	0.00	2.33	0	0	0	0.20	0.71	0	0.00	0	0	0.00	0	0	0	NA	5.0	5.0	5.9		
2020 10 Q2	6/5/20 11:06	6/8/20 22:06	104,412,708	0.68	1.02	0.87	0.00	0	0.00	1.78	0	0	0	0.62	0.75	0	0.00	0	0	0.00	0	0	0	NA	4.7	4.7	6.1		
2020 11 Q2	6/8/20 22:06	6/12/20 9:06	58,107,953	0.58	0.99	0.76	0.20	0	0.00	1.45	0	0	0	0.49	0.53	0	0.00	0	0	0.22	0	0	0	NA	4.2	4.2	5.4		
2020 12 Q2	6/12/20 9:06	6/15/20 20:06	58,712,971	0.88	0.82	0.76	0.18	0	0.00	1.59	0	0	0	0.28	0.47	0	0.00	0	0	0.00	0	0	0	NA	4.4	4.4	5.2		
2020 13 Q2	6/15/20 20:06	6/19/20 7:06	88,876,954	1.42	0.98	1.60	0.34	0	0.00	3.20	0	0	0	0.45	0.64	0	0.00	0	0	0.00	0	0	0	NA	8.0	8.0	9.1		
2020 14 Q2	6/19/20 7:06	6/22/20 18:06	120,134,505	0.70	0.59	0.96	0.00	0	0.00	2.52	0	0	0	0.67	0.49	0	0.00	0	0	0.00	0	0	0	NA	4.8	4.8	5.9		
2020 15 Q2	6/22/20 18:06	6/26/20 5:06	70,462,140	0.70	2.11	0.92	0.20	0	0.00	1.41	0	0	0	0.78	0.85	0	0.00	0	0	0.25	0	0	0	NA	5.6	5.6	7.4		
2020 16 Q2	6/26/20 5:06	6/29/20 16:06	36,712,395	0.55	1.80	0.66	0.15	0	0.00	0.95	0	0	0	0.55	0.62	0	0.09	0	0	0.18	0	0	0	NA	4.3	4.4	5.7		
2020 1 Q3	6/29/20 16:06	7/2/20 8:29	16,684,371	0.32	0.00	0.42	0.09	0	0.00	0.45	0	0	0	0.07	0.20	0	0.05	0	0	0.00	0	0	0	NA	1.4	1.5	1.7		
2020 2 Q3	7/2/20 8:29	7/3/20 8:29	5,795,071	0.11	0.35	0.15	0.03	0	0.00	0.23	0	0	0	0.13	0.16	0	0.02	0	0	0.04	0	0	0	NA	0.9	0.9	1.2		
2020 3 Q3	7/3/20 8:29	7/6/20 8:29	15,030,129	0.29	1.18	0.43	0.09	0	0.00	0.52	0	0	0	0.34	0.47	0	0.06	0	0	0.09	0	0	0	NA	2.5	2.6	3.5		
2020 4 Q3	7/6/20 8:29	7/7/20 7:29	4,575,096	0.09	0.44	0.14	0.03	0	0.00	0.14	0	0	0	0.11	0.16	0	0.02	0	0	0.03	0	0	0	NA	0.9	0.9	1.2		
2020 5 Q3	7/7/20 7:29	7/9/20 12:01	12,348,326	0.21	1.07	0.35	0.07	0	0.00	0.35	0	0	0	0.22	0.41	0	0.05	0	0	0.06	0	0	0	NA	2.1	2.1	2.8		
2020 6 Q3	7/9/20 12:01	7/10/20 11:01	5,842,473	0.09	0.45	0.15	0.03	0	0.00	0.15	0	0	0	0.07	0.19	0	0.02	0	0	0.03	0	0	0	NA	0.9	0.9	1.2		
2020 7 Q3	7/10/20 11:01	7/13/20 0:01	14,776,297	0.23	1.01	0.39	0.09	0	0.00	0.39	0	0	0	0.25	0.47	0	0.05	0	0	0.08	0	0	0	NA	2.2	2.2	3.0		
2020 8 Q3	7/13/20 0:01	7/13/20 23:01	5,890,640	0.05	0.18	0.08	0.02	0	0.00	0.08	0	0	0	0.06	0.09	0	0.01	0	0	0.02	0	0	0	NA	0.4	0.4	0.6		
2020 9 Q3	7/13/20 23:01	7/16/20 0:01	12,180,378	0.22	0.83	0.36	0.08	0	0.00	0.34	0	0	0	0.21	0.34	0	0.04	0	0	0.06	0	0	0	NA	1.9	1.9	2.5		
2020 10 Q3	7/16/20 0:01	7/16/20 23:01	4,890,093	0.10	0.37	0.15	0.03	0	0.00	0.14	0	0	0	0.06	0.12	0	0.02	0	0	0.02	0	0	0	NA	0.8	0.8	1.0		
2020 11 Q3	7/16/20 23:01	7/20/20 0:01	12,608,784	0.29	1.11	0.38	0.10	0	0.02	0.18	0	0	0	0.08	0.15	0	0.04	0	0	0.02	0	0	0	NA	2.1	2.2	2.4		
2020 12 Q3	7/20/20 0:01	7/20/20 23:01	4,441,299	0.12	0.44	0.13	0.04	0	0.01	0.00	0	0	0	0.00	0.00	0	0.02	0	0	0.00	0	0	0	NA	0.8	0.8	0.8		
2020 13 Q3	7/20/20 23:01	7/22/20 0:01	5,466,058	0.13	0.27	0.16	0.05	0	0.01	0.08	0	0	0	0.04	0.08	0	0.02	0	0	0.00	0	0	0	NA	0.7	0.8	0.9		
2020 14 Q3	7/22/20 0:01	7/22/20 23:01	4,514,442	0.10	0.00	0.14	0.04	0	0.01	0.13	0	0	0	0.06	0.13	0	0.02	0	0	0.00	0	0	0	NA	0.4	0.5	0.7		
2020 15 Q3	7/22/20 23:01	7/23/20 23:01	4,066,412	0.08	0.27	0.12	0.03	0	0.01	0.10	0	0	0	0.07	0.12	0	0.02	0	0	0.00	0	0	0	NA	0.6	0.6	0.8		
2020 16 Q3	7/23/20 23:01	7/27/20 0:01	20,315,242	0.35	1.10	0.49	0.11	0	0.02	0.24	0	0	0	0.29	0.44	0	0.08	0	0	0.00	0	0	0	NA	2.3	2.4	3.1		
2020 17 Q3	7/27/20 0:01	7/27/20 11:01	3,081,921	0.04	0.13	0.06	0.01	0	0.00	0.00	0	0	0	0.04	0.04	0	0.01	0	0	0.00	0	0	0	NA	0.2	0.3	0.3		

**- TABLE B17
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina**

Interval Details				Calculated Mass Load ² (kg)																							Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)
Interval ID	Start Time ¹	End Time ¹	Total River Flow (m ³)	HFPO-DA	PFMOAA	PF2OHxA	PF3O3A	PF4O4A	PF5O5A	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Formerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFCEA B	PFCEA-G	PFHpA					
2020 18 Q3	7/27/20 11:01	7/28/20 16:20	8,598,694	0.12	0.34	0.16	0.04	0	0.00	0.00	0	0	0	0.05	0.06	0	0.03	0	0	0.00	0	0	0	0	0	0.7	0.7	0.8	
2020 19 Q3	7/28/20 16:20	7/29/20 0:01	2,165,219	0.03	0.09	0.04	0.01	0	0.00	0.00	0	0	0	0.00	0.01	0	0.01	0	0	0.00	0	0	0	0	0.01	0.2	0.2	0.2	
2020 20 Q3	7/29/20 0:01	7/29/20 23:01	6,721,966	0.09	0.36	0.14	0.03	0	0.00	0.00	0	0	0	0.00	0.13	0	0.02	0	0	0.00	0	0	0	0	0.02	0.6	0.7	0.8	
2020 21 Q3	7/29/20 23:01	7/30/20 23:01	9,491,439	0.10	0.39	0.17	0.05	0	0.00	0.00	0	0	0	0.00	0.17	0	0.03	0	0	0.00	0	0	0	0	0.03	0.7	0.8	0.9	
2020 22 Q3	7/30/20 23:01	8/3/20 14:50	30,789,134	0.40	1.37	0.63	0.16	0	0.00	0.32	0	0	0	0.00	0.60	0	0.09	0	0	0.00	0	0	0	0	0.12	3.0	3.1	3.7	
2020 23 Q3	8/3/20 14:50	8/4/20 12:30	6,376,388	0.19	0.30	0.19	0.05	0	0.00	0.21	0	0	0	0.00	0.17	0	0.02	0	0	0.00	0	0	0	0	0.03	1.0	1.0	1.2	
2020 24 Q3	8/4/20 12:30	8/5/20 23:55	30,928,538	0.75	0.85	0.70	0.15	0	0.00	0.70	0	0	0	0.00	0.53	0	0.04	0	0	0.00	0	0	0	0	0.12	3.5	3.6	4.1	
2020 25 Q3	8/5/20 23:55	8/6/20 22:55	20,578,759	0.10	0.17	0.17	0.00	0	0.00	0.00	0	0	0	0.00	0.05	0	0.00	0	0	0.00	0	0	0	0	0.05	0.4	0.4	0.5	
2020 26 Q3	8/6/20 22:55	8/9/20 22:38	58,359,492	0.37	0.24	0.82	0.18	0	0.00	0.00	0	0	0	0.00	0.07	0	0.00	0	0	0.00	0	0	0	0	0.21	1.7	1.7	1.7	
2020 27 Q3	8/9/20 22:38	8/10/20 21:56	13,933,248	0.11	0.00	0.28	0.08	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0	0	0.00	0	0	0	0	0.06	0.5	0.5	0.5	
2020 28 Q3	8/10/20 21:56	8/12/20 0:01	20,465,095	0.14	0.28	0.32	0.08	0	0.00	0.00	0	0	0	0.08	0.15	0	0.00	0	0	0.04	0	0	0	0	0.09	0.8	0.8	1.1	
2020 29 Q3	8/12/20 0:01	8/12/20 23:01	18,224,184	0.11	0.49	0.20	0.04	0	0.00	0.00	0	0	0	0.13	0.27	0	0.00	0	0	0.07	0	0	0	0	0.07	0.8	0.8	1.3	
2020 30 Q3	8/12/20 23:01	8/17/20 0:01	68,965,142	0.32	1.45	0.59	0.07	0	0.00	0.00	0	0	0	0.39	0.74	0	0.00	0	0	0.13	0	0	0	0	0.22	2.4	2.4	3.7	
2020 31 Q3	8/17/20 0:01	8/17/20 23:01	29,873,707	0.10	0.45	0.19	0.00	0	0.00	0.00	0	0	0	0.11	0.19	0	0.00	0	0	0.00	0	0	0	0	0.07	0.7	0.7	1.0	
2020 32 Q3	8/17/20 23:01	8/20/20 0:01	60,110,322	0.29	1.23	0.55	0.07	0	0.00	0.00	0	0	0	0.30	0.52	0	0.00	0	0	0.00	0	0	0	0	0.16	2.1	2.1	3.0	
2020 33 Q3	8/20/20 0:01	8/20/20 23:01	20,274,466	0.13	0.53	0.24	0.05	0	0.00	0.00	0	0	0	0.12	0.22	0	0.00	0	0	0.00	0	0	0	0	0.06	0.9	0.9	1.3	
2020 34 Q3	8/20/20 23:01	8/25/20 0:01	82,304,076	0.55	2.43	1.11	0.22	0	0.00	0.00	0	0	0	0.25	0.45	0	0.00	0	0	0.00	0	0	0	0	0.26	4.3	4.3	5.0	
2020 35 Q3	8/25/20 0:01	8/25/20 23:01	14,273,984	0.10	0.47	0.21	0.04	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0	0	0.00	0	0	0	0	0.05	0.8	0.8	0.8	
2020 36 Q3	8/25/20 23:01	8/27/20 11:18	13,059,107	0.12	0.63	0.25	0.06	0	0.00	0.15	0	0	0	0.03	0.15	0	0.00	0	0	0.02	0	0	0	0	0.05	1.2	1.2	1.4	
2020 37 Q3	8/27/20 11:18	8/31/20 13:30	21,797,969	0.33	1.78	0.64	0.14	0	0.00	0.59	0	0	0	0.17	0.66	0	0.03	0	0	0.08	0	0	0	0	0.10	3.6	3.6	4.5	
2020 38 Q3	8/31/20 13:30	9/3/20 0:01	30,093,899	0.39	1.82	0.71	0.17	0	0.00	0.47	0	0	0	0.22	0.70	0	0.04	0	0	0.07	0	0	0	0	0.12	3.6	3.7	4.7	
2020 39 Q3	9/3/20 0:01	9/3/20 23:01	13,891,707	0.11	0.29	0.17	0.05	0	0.00	0.00	0	0	0	0.05	0.12	0	0.00	0	0	0.00	0	0	0	0	0.03	0.6	0.6	0.8	
2020 40 Q3	9/3/20 23:01	9/7/20 0:01	30,452,220	0.30	0.72	0.44	0.12	0	0.00	0.00	0	0	0	0.05	0.36	0	0.00	0	0	0.00	0	0	0	0	0.07	1.6	1.6	2.0	
2020 41 Q3	9/7/20 0:01	9/7/20 23:01	7,001,539	0.08	0.18	0.12	0.03	0	0.00	0.00	0	0	0	0.00	0.11	0	0.00	0	0	0.00	0	0	0	0	0.02	0.4	0.4	0.5	
2020 42 Q3	9/7/20 23:01	9/10/20 0:01	11,457,874	0.22	0.46	0.27	0.07	0	0.00	0.17	0	0	0	0.08	0.32	0	0.02	0	0	0.04	0	0	0	0	0.04	1.2	1.2	1.7	
2020 43 Q3	9/10/20 0:01	9/10/20 23:01	3,946,632	0.10	0.22	0.12	0.03	0	0.00	0.12	0	0	0	0.06	0.16	0	0.01	0	0	0.02	0	0	0	0	0.02	0.6	0.6	0.9	
2020 44 Q3	9/10/20 23:01	9/14/20 0:01	15,795,194	0.35	0.72	0.44	0.10	0	0.00	0.24	0	0	0	0.14	0.51	0	0.06	0	0	0.05	0	0	0	0	0.08	1.9	1.9	2.7	
2020 45 Q3	9/14/20 0:01	9/14/20 23:01	4,603,385	0.08	0.17	0.12	0.02	0	0.00	0.00	0	0	0	0.02	0.11	0	0.02	0	0	0.00	0	0	0	0	0.02	0.4	0.4	0.5	
2020 46 Q3	9/14/20 23:01	9/17/20 0:01	8,296,694	0.18	0.15	0.24	0.05	0	0.00	0.14	0	0	0	0.06	0.22	0	0.04	0	0	0.01	0	0	0	0	0.04	0.8	0.8	1.1	
2020 47 Q3	9/17/20 0:01	9/17/20 23:01	3,677,254	0.09	0.00	0.12	0.03	0	0.00	0.12	0	0	0	0.04	0.11	0	0.02	0	0	0.01	0	0	0	0	0.02	0.4	0.4	0.6	
2020 48 Q3	9/17/20 23:01	9/18/20 10:01	3,161,179	0.13	0.00	0.12	0.03	0	0.00	0.15	0	0	0	0.16	0.15	0	0.02	0	0	0.02	0	0	0	0	0.01	0.5	0.5	0.9	
2020 49 Q3	9/18/20 10:01	9/21/20 0:01	28,670,297	0.71	0.11	0.68	0.13	0	0.00	1.15	0	0	0	0.75	0.81	0	0.08	0	0	0.11	0	0	0	0	0.12	3.2	3.3	5.0	
2020 50 Q3	9/21/20 0:01	9/21/20 23:01	15,482,746	0.11	0.12	0.13	0.00	0	0.00	0.53	0	0	0	0.00	0.15	0	0.00	0	0	0.00	0	0	0	0	0.06	0.9	0.9	1.0	
2020 51 Q3	9/21/20 23:01	9/24/20 0:01	26,249,972	0.24	0.29	0.24	0.04	0	0.00	0.85	0	0	0	0.00	0.27	0	0.00	0	0	0.00	0	0	0	0	0.13	1.7	1.7	1.9	
2020 52 Q3	9/24/20 0:01	9/24/20 23:01	10,370,932	0.11	0.15	0.10	0.03	0	0.00	0.32	0	0	0	0.00	0.11	0	0.00	0	0	0.00	0	0	0	0	0.06	0.7	0.7	0.8	
2020 53 Q3	9/24/20 23:01	9/25/20 23:01	10,821,255	0.12	0.13	0.13	0.03	0	0.00	0.35	0	0	0	0.00	0.15	0	0.00	0	0	0.00	0	0	0	0	0.06	0.8	0.8	0.9	
2020 54 Q3	9/25/20 23:01	9/26/20 23:01	19,919,967	0.24	0.18	0.26	0.05	0	0.00	0.68	0	0	0	0.00	0.26	0	0.00	0	0	0.00	0	0	0	0	0.10	1.4	1.4	1.7	
2020 55 Q3	9/26/20 23:01	9/28/20 0:01	28,474,571	0.26	0.21	0.27	0.04	0	0.00	0.94	0	0	0	0.00	0.29	0	0.00	0	0	0.00	0	0	0	0	0.12	1.7	1.7	2.0	
2020 56 Q3	9/28/20 0:01	9/28/20 23:01	22,732,255	0.14	0.14	0.14	0.00	0	0.00	0.73	0	0	0	0.00	0.16	0	0.00	0	0	0.00	0	0	0	0	0.08	1.2	1.2	1.3	
2020 57 Q3	9/28/20 23:01	9/29/20 23:01	22,444,018	0.12	0.09	0.15	0.00	0	0.00	0.00	0	0	0	0.00	0.12	0	0.00	0	0	0.00	0	0	0	0	0.09	0.4	0.4	0.5	
2020 58 Q3	9/29/20 23:01	10/1/20 0:01	28,869,846	0.32	0.66	0.35	0.07	0	0.00	0.72	0	0	0	0.21	0.35	0	0.00	0	0	0.08	0	0	0	0	0.14	2.1	2.1	2.8	
2020 1 Q4	10/1/20 0:01	10/1/20 17:01	22,630,824	0.12	0.07	0.15	0.00	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0	0	0.00	0	0	0	0	0.12	0.3	0.3	0.3	
2020 2 Q4	10/1/20 17:01	10/6/20 15:30	94,327,975	0.63	0.32	0.78	0.10	0	0.00	0.00	0	0	0	0.00	0.24	0	0.00	0	0	0.00	0	0	0	0	0.51	1.8	1.8	2.1	
2020 3 Q4	10/6/20 15:30	10/6/20 23:30	3,102,054	0.03	0.01	0.03	0.01	0	0.00	0.00	0	0	0	0.00	0.02	0	0.00	0	0	0.00	0	0	0	0	0.02	0.1	0.1	0.1	
2020 4 Q4	10/6/20 23:30	10/7/20 17:30	5,666,371	0.06	0.03	0.07	0.02	0	0.00	0.00	0	0	0	0.00	0.04	0	0.00	0	0	0.00	0	0	0	0	0.03	0.2	0.2	0.2	
2020 5 Q4	10/7/20 17:30	10/8/20 16:30	6,244,374	0.08	0.05	0.09	0.02	0	0.00	0.00	0	0	0	0.00	0.05	0	0.00	0	0	0.00	0	0	0	0					

- TABLE B17

CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load ² (kg)																					Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)
Interval ID	Start Time ¹	End Time ¹	Total River Flow (m ³)	HFPO-DA	PFMOAA	PF2OHxA	PF3O3A	PF4O4DA	PF5O5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Formerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA			
2020 14 Q4	10/22/20 23:01	10/30/20 0:01	54,393,236	0.49	0.98	0.58	0.08	0	0.00	0.76	0	0	0	0.30	0.23	0	0.10	0	0	0.08	0	0	0	0.26	2.9	3.0	3.6
2020 15 Q4	10/30/20 0:01	10/31/20 0:01	9,159,622	0.10	0.27	0.12	0.03	0	0.00	0.00	0	0	0	0.10	0.08	0	0.03	0	0	0.03	0	0	0	0.04	0.5	0.5	0.8
2020 16 Q4	10/31/20 0:01	10/31/20 23:01	9,568,914	0.08	0.26	0.11	0.02	0	0.00	0.20	0	0	0	0.09	0.06	0	0.04	0	0	0.02	0	0	0	0.05	0.7	0.7	0.9
2020 17 Q4	10/31/20 23:01	11/2/20 0:01	13,443,423	0.11	0.28	0.13	0.02	0	0.00	0.28	0	0	0	0.06	0.07	0	0.05	0	0	0.01	0	0	0	0.07	0.8	0.9	1.0
2020 18 Q4	11/2/20 0:01	11/2/20 23:01	14,928,953	0.10	0.22	0.13	0.00	0	0.00	0.30	0	0	0	0.00	0.06	0	0.05	0	0	0.00	0	0	0	0.09	0.8	0.8	0.9
2020 19 Q4	11/2/20 23:01	11/5/20 0:01	28,761,279	0.19	0.53	0.26	0.03	0	0.00	0.66	0	0	0	0.00	0.13	0	0.05	0	0	0.00	0	0	0	0.16	1.7	1.7	1.8
2020 20 Q4	11/5/20 0:01	11/5/20 23:01	9,736,096	0.06	0.21	0.09	0.02	0	0.00	0.25	0	0	0	0.00	0.05	0	0.00	0	0	0.00	0	0	0	0.05	0.6	0.6	0.7
2020 21 Q4	11/5/20 23:01	11/9/20 0:01	19,869,252	0.18	0.57	0.26	0.06	0	0.00	0.48	0	0	0	0.16	0.19	0	0.03	0	0	0.03	0	0	0	0.09	1.5	1.6	2.0
2020 22 Q4	11/9/20 0:01	11/9/20 23:01	5,385,015	0.06	0.19	0.09	0.02	0	0.00	0.12	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020 23 Q4	11/9/20 23:01	11/11/20 0:01	5,694,659	0.07	0.21	0.10	0.02	0	0.00	0.06	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020 24 Q4	11/11/20 0:01	11/12/20 0:01	5,548,629	0.08	0.21	0.10	0.02	0	0.00	0.00	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.4	0.4	0.6
2020 25 Q4	11/12/20 0:01	11/12/20 19:01	15,004,644	0.69	0.72	0.68	0.17	0	0.08	0.78	0	0	0	0.59	0.32	0	0.05	0	0	0.17	0	0	0	0.05	3.5	3.6	4.7
2020 26 Q4	11/12/20 19:01	11/13/20 14:10	43,872,706	1.07	1.05	1.06	0.24	0	0.12	1.14	0	0	0	0.86	0.46	0	0.07	0	0	0.24	0	0	0	0.15	5.3	5.4	7.0
2020 27 Q4	11/13/20 14:10	11/18/20 12:25	340,079,098	1.50	1.38	1.87	0.00	0	0.00	0.00	0	0	0	1.05	0.43	0	0.00	0	0	0.00	0	0	0	0.97	4.7	4.7	6.2
2020 28 Q4	11/18/20 12:25	11/20/20 11:06	68,070,868	0.41	0.62	0.52	0.00	0	0.00	0.00	0	0	0	0.45	0.25	0	0.00	0	0	0.00	0	0	0	0.20	1.5	1.5	2.2
2020 29 Q4	11/20/20 11:06	11/24/20 0:01	114,667,938	0.76	1.61	0.78	0.00	0	0.00	0.00	0	0	0	0.60	0.48	0	0.00	0	0	0.00	0	0	0	0.45	3.1	3.1	4.2
2020 30 Q4	11/24/20 0:01	11/24/20 23:01	26,346,560	0.19	0.47	0.16	0.00	0	0.00	0.00	0	0	0	0.09	0.09	0	0.00	0	0	0.00	0	0	0	0.12	0.8	0.8	1.0
2020 31 Q4	11/24/20 23:01	11/26/20 0:01	24,616,628	0.18	0.48	0.17	0.00	0	0.00	0.00	0	0	0	0.09	0.10	0	0.00	0	0	0.00	0	0	0	0.13	0.8	0.8	1.0
2020 32 Q4	11/26/20 0:01	11/26/20 23:01	18,652,845	0.15	0.39	0.14	0.00	0	0.00	0.00	0	0	0	0.08	0.08	0	0.00	0	0	0.00	0	0	0	0.11	0.7	0.7	0.8
2020 33 Q4	11/26/20 23:01	11/30/20 0:01	42,065,553	0.54	1.11	0.45	0.07	0	0.00	0.57	0	0	0	0.26	0.29	0	0.00	0	0	0.07	0	0	0	0.22	2.7	2.7	3.4
2020 34 Q4	11/30/20 0:01	11/30/20 23:01	14,786,746	0.27	0.47	0.21	0.05	0	0.00	0.40	0	0	0	0.12	0.14	0	0.00	0	0	0.05	0	0	0	0.07	1.4	1.4	1.7
2020 35 Q4	11/30/20 23:01	12/3/20 0:01	61,797,695	0.69	1.28	0.57	0.10	0	0.00	1.70	0	0	0	0.38	0.39	0	0.00	0	0	0.10	0	0	0	0.27	4.3	4.3	5.2
2020 36 Q4	12/3/20 0:01	12/3/20 23:01	29,417,522	0.13	0.28	0.13	0.00	0	0.00	0.82	0	0	0	0.11	0.09	0	0.00	0	0	0.00	0	0	0	0.12	1.4	1.4	1.6
2020 37 Q4	12/3/20 23:01	12/7/20 0:01	78,024,607	0.39	0.88	0.41	0.00	0	0.00	1.09	0	0	0	0.40	0.35	0	0.00	0	0	0.11	0	0	0	0.32	2.8	2.8	3.6
2020 38 Q4	12/7/20 0:01	12/7/20 23:01	24,457,855	0.13	0.32	0.15	0.00	0	0.00	0.00	0	0	0	0.15	0.14	0	0.00	0	0	0.07	0	0	0	0.11	0.6	0.6	1.0
2020 39 Q4	12/7/20 23:01	12/10/20 0:01	50,972,618	0.29	0.79	0.30	0.00	0	0.00	0.00	0	0	0	0.16	0.15	0	0.00	0	0	0.07	0	0	0	0.20	1.4	1.4	1.8
2020 40 Q4	12/10/20 0:01	12/10/20 23:01	20,430,180	0.12	0.37	0.12	0.00	0	0.00	0.00	0	0	0	0.00	0.00	0	0.00	0	0	0.00	0	0	0	0.08	0.6	0.6	0.6
2020 41 Q4	12/10/20 23:01	12/13/20 0:01	31,261,119	0.23	0.67	0.23	0.00	0	0.00	0.00	0	0	0	0.12	0.11	0	0.00	0	0	0.04	0	0	0	0.14	1.1	1.1	1.4
2020 42 Q4	12/13/20 0:01	12/13/20 23:01	11,706,864	0.11	0.29	0.11	0.00	0	0.00	0.00	0	0	0	0.09	0.08	0	0.00	0	0	0.03	0	0	0	0.06	0.5	0.5	0.7
2020 43 Q4	12/13/20 23:01	12/14/20 0:59	982,198	0.01	0.03	0.01	0.00	0	0.00	0.00	0	0	0	0.01	0.01	0	0.00	0	0	0.00	0	0	0	0.00	0.0	0.0	0.1
2020 44 Q4	12/14/20 0:59	12/14/20 11:59	5,310,853	0.05	0.14	0.05	0.01	0	0.00	0.00	0	0	0	0.04	0.04	0	0.00	0	0	0.01	0	0	0	0.02	0.3	0.3	0.3
2020 45 Q4	12/14/20 11:59	12/15/20 16:11	15,379,021	0.16	0.36	0.15	0.04	0	0.00	0.21	0	0	0	0.06	0.13	0	0.00	0	0	0.02	0	0	0	0.06	0.9	0.9	1.1
2020 46 Q4	12/15/20 16:11	12/17/20 12:29	47,125,887	0.33	0.63	0.30	0.06	0	0.00	0.64	0	0	0	0.10	0.27	0	0.00	0	0	0.00	0	0	0	0.21	2.0	2.1	2.4
2020 47 Q4	12/17/20 12:29	12/21/20 13:52	149,396,568	0.53	1.25	0.51	0.00	0	0.00	0.00	0	0	0	0.57	0.40	0	0.00	0	0	0.00	0	0	0	0.63	2.3	2.3	3.3
2020 48 Q4	12/21/20 13:52	12/23/20 9:30	65,902,080	0.24	0.33	0.24	0.00	0	0.00	0.00	0	0	0	0.11	0.21	0	0.00	0	0	0.00	0	0	0	0.24	0.8	0.8	1.1
2020 49 Q4	12/23/20 9:30	12/24/20 19:20	43,431,813	0.34	0.37	0.27	0.00	0	0.00	0.00	0	0	0	0.28	0.31	0	0.00	0	0	0.00	0	0	0	0.16	1.0	1.0	1.6
2020 50 Q4	12/24/20 19:20	12/28/20 15:00	183,564,524	1.38	1.56	1.06	0.00	0	0.00	0.00	0	0	0	1.19	1.19	0	0.00	0	0	0.00	0	0	0	0.66	4.0	4.0	6.4
2020 51 Q4	12/28/20 15:00	12/30/20 10:56	73,223,967	0.27	0.44	0.27	0.00	0	0.00	0.00	0	0	0	0.21	0.23	0	0.00	0	0	0.10	0	0	0	0.25	1.0	1.0	1.5
Totals			4,978,097,468	43	103	57	10	2	1	55	5	1	0	27	45	0	3	0	0	6	0	0	0	14	277	281	358

Notes:

- 1 - Start and end times are adjusted based on sampling times ± one hour to account for the total flow of the Cape Fear River.
- 2 - The calculated mass load is a product of weighted concentration and total river flow. Refer to the Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d) for more details.
- 3 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
- 4 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Quarter	Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (ft ³) ⁴	Instantaneous Flow Rate (ft ³ /s) ⁵	Mass Discharge (mg/s)		
				Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)			Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)
2020 Q1	CFR-TARHEEL-83-033120	3/31/20 12:00	83	52	52	63	3,197,300,000	--	16	16	19
2020 Q1	CFR-TARHEEL-83-033120-D	3/31/20 12:00	83	56	56	65	3,197,300,000	--	17	17	20
2020 Q1	CFR-TARHEEL-48-040220	4/2/20 13:00	48	86	86	110	958,620,000	--	14	14	17
2020 Q1	CAP1Q20-CFR-TARHEEL-040220	4/2/20 15:45	0	89	91	130	--	4,770	12	12	18
2020 Q1	CAP1Q20-CFR-TARHEEL-24-040320	4/3/20 15:00	24	120	120	160	319,930,000	--	13	13	16
2020 Q1	CFR-TARHEEL-83-040620	4/6/20 0:30	83	120	130	160	880,860,000	--	10	11	13
2020 Q1	CFR-TARHEEL-79-040920	4/9/20 6:30	79	190	200	250	589,470,000	--	11	12	14
2020 Q1	CFR-TARHEEL-83-041920	4/19/20 1:30	83	71	71	81	1,960,700,000	--	13	13	15
2020 Q1	CFR-TARHEEL-83-042220	4/22/20 13:30	83	120	120	130	977,480,000	--	11	11	12
2020 Q1	CFR-TARHEEL-83-042620	4/26/20 0:49	83	110	110	140	1,006,200,000	--	10	11	14
2020 Q1	CFR-TARHEEL-83-042920	4/29/20 11:49	83	120	130	170	808,310,000	--	9.2	9.9	13
2020 Q1	CFR-TARHEEL-62-050220	5/2/20 23:49	62	83	86	130	1,912,800,000	--	20	21	31
2020 Q1	CFR-TARHEEL-83-050620	5/6/20 11:49	83	51	51	74	2,577,100,000	--	12	12	18
2020 Q1	CFR-TARHEEL-83-051120	5/9/20 11:49	83	79	82	110	1,755,700,000	--	13	14	19
2020 Q2	CFR-TARHEEL-83-051320	5/13/20 9:49	83	140	140	190	575,460,000	--	7.6	7.8	11
2020 Q2	CAP2Q20-CFR-TARHEEL-051420	5/14/20 8:55	0	190	200	270	--	1,540	8.3	8.7	12
2020 Q2	CAP2Q20-TARHEEL-24-051820	5/14/20 20:50	24	180	190	250	125,860,000	--	7.4	7.8	11
2020 Q2	CFR-TARHEEL-83-051620	5/16/20 19:49	83	190	190	260	417,990,000	--	7.5	7.6	10
2020 Q2	CFR-TARHEEL-83-052020	5/20/20 8:49	83	260	260	340	384,660,000	--	9.5	9.5	12
2020 Q2	CFR-TARHEEL-052520	5/25/20 10:15	0	4.2	4.2	9.6	--	23,500	2.8	2.8	6.4
2020 Q2	CFR-TARHEEL-052920	5/29/20 9:10	0	11	11	11	--	15,500	4.8	4.8	4.8
2020 Q2	CFR-TARHEEL-060120	6/1/20 14:25	0	9.2	9.2	15	--	23,200	6	6	9.9
2020 Q2	CFR-TARHEEL-060120-D	6/1/20 14:25	0	11	11	13	--	23,200	7.2	7.2	8.5
2020 Q2	CFR-TARHEEL-060520	6/5/20 10:55	0	47	47	53	--	14,700	20	20	22
2020 Q2	CFR-TARHEEL-39-060820	6/8/20 21:06	82	45	45	58	3,650,600,000	--	16	16	20
2020 Q2	CFR-TARHEEL-83-061220	6/12/20 8:06	82	72	72	93	2,027,900,000	--	14	14	18
2020 Q2	CFR-TARHEEL-83-061520	6/15/20 19:06	82	75	75	88	2,054,000,000	--	15	15	17
2020 Q2	CFR-TARHEEL-83-061920	6/19/20 6:06	82	90	90	100	3,096,900,000	--	27	27	30
2020 Q2	CFR-TARHEEL-83-062220	6/22/20 17:06	82	40	40	49	4,194,300,000	--	16	16	20
2020 Q2	CFR-TARHEEL-83-062620	6/26/20 4:06	82	79	79	110	2,464,400,000	--	19	19	25
2020 Q2	CFR-TARHEEL-83-062920	6/29/20 15:06	82	120	120	160	1,286,000,000	--	15	15	19
2020 Q3	CFR-TARHEEL-65-070220	7/2/20 8:06	64	84	87	100	584,870,000	--	6	6.3	7.4
2020 Q3	CFR-TARHEEL-24-070320	7/3/20 7:29	24	150	150	210	204,760,000	--	10	10	14
2020 Q3	CFR-TARHEEL-24-070720	7/7/20 7:29	24	190	190	250	166,590,000	--	10	10	14
2020 Q3	CFR-TARHEEL-24-071020	7/10/20 11:01	24	150	150	200	215,400,000	--	11	11	14
2020 Q3	CFR-TARHEEL-24-071020-D	7/10/20 11:01	24	150	160	210	215,400,000	--	11	11	15
2020 Q3	CFR-TARHEEL-24-071320	7/13/20 23:01	24	140	150	210	216,310,000	--	9.9	10	15
2020 Q3	CFR-TARHEEL-24-071620	7/16/20 23:01	24	160	170	210	180,990,000	--	9.5	10	12
2020 Q3	CFR-TARHEEL-24-072020	7/20/20 23:01	24	170	180	180	163,050,000	--	9.1	9.5	9.5
2020 Q3	CFR-TARHEEL-24-072220	7/22/20 23:01	24	99	100	150	165,240,000	--	5.4	5.6	7.9
2020 Q3	CFR-TARHEEL-24-072320	7/23/20 23:01	24	150	160	200	143,600,000	--	7.1	7.3	9.5
2020 Q3	CFR-TARHEEL-12-072720	7/27/20 11:01	11	78	81	110	108,840,000	--	6.1	6.3	8.4

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Quarter	Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (ft ³) ⁴	Instantaneous Flow Rate (ft ³ /s) ⁵	Mass Discharge (mg/s)		
				Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)			Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)
2020 Q3	CAP3Q20-CFR-TARHEEL-072820	7/28/20 16:20	0	75	78	78	--	2,780	5.9	6.1	6.1
2020 Q3	CAP3Q20-CFR-TARHEEL-24-072920	7/29/20 23:01	24	94	97	120	247,120,000	--	7.6	7.9	9.5
2020 Q3	CFR-TARHEEL-24-073020	7/30/20 23:01	24	78	81	99	335,190,000	--	8.6	8.9	11
2020 Q3	CFR-TARHEEL-080320	8/3/20 14:50	0	110	120	140	--	2,450	7.6	8.3	9.7
2020 Q3	CFR-TARHEEL-080420	8/4/20 12:30	0	210	210	240	--	4,250	25	25	29
2020 Q3	CFR-TARHEEL-24-080620	8/6/20 22:55	24	21	21	24	760,600,000	--	5.2	5.2	5.9
2020 Q3	CFR-TARHEEL-24-081020	8/10/20 21:56	24	36	36	36	507,950,000	--	6	6	6
2020 Q3	CFR-TARHEEL-24-081220	8/12/20 23:01	24	46	46	72	672,600,000	--	10	10	16
2020 Q3	CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	1,107,700,000	--	9.1	8.9	13
2020 Q3	CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	750,330,000	--	12	11	16
2020 Q3	CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	529,670,000	--	10	10	10
2020 Q3	CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
2020 Q3	CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
2020 Q3	CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
2020 Q3	CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	515,400,000	--	7.4	7.5	9.5
2020 Q3	CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	255,760,000	--	4.9	5	6.2
2020 Q3	CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	146,080,000	--	7.7	7.6	11
2020 Q3	CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	170,490,000	--	4.7	4.9	6.5
2020 Q3	CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	135,600,000	--	4.4	4.9	6.8
2020 Q3	CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	104,290,000	--	13	14	23
2020 Q3	CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	570,840,000	--	11	11	13
2020 Q3	CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	382,980,000	--	8.7	8.6	10
2020 Q3	CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	382,150,000	--	8.8	8.8	11
2020 Q3	CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	703,470,000	--	16	16	19
2020 Q3	CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	841,660,000	--	14	14	16
2020 Q3	CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	792,600,000	--	4.2	4.2	5.6
2020 Q3	CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	971,470,000	--	24	23	31
2020 Q4	CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	847,260,000	--	5.6	5.5	5.5
2020 Q4	CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	126,380,000	--	2.7	2.7	3.2
2020 Q4	CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	231,100,000	--	3	3	3.5
2020 Q4	CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	352,550,000	--	20	20	25
2020 Q4	CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	745,010,000	--	6.3	6.4	8.5
2020 Q4	CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	632,270,000	--	6.6	6.5	8.7
2020 Q4	CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	423,540,000	--	7.1	7	7
2020 Q4	CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	325,130,000	--	6	6.4	8.7
2020 Q4	CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	351,490,000	--	8.1	8.5	11
2020 Q4	CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	547,950,000	--	9.2	9.7	10
2020 Q4	CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	362,140,000	--	7.7	7.8	8.4
2020 Q4	CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	198,700,000	--	5.9	6	8.2
2020 Q4	CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	193,470,000	--	4.7	4.9	7.1
2020 Q4	CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	538,380,000	--	51	51	66
2020 Q4	CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
2020 Q4	CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
2020 Q4	CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Quarter	Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (ft ³) ⁴	Instantaneous Flow Rate (ft ³ /s) ⁵	Mass Discharge (mg/s)		
				Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)			Total Attachment C ²	Total Table 3+ (17 compounds) ³	Total Table 3+ (20 compounds)
2020 Q4	CFR-TARHEEL-24-112420	11/24/20 23:01	24	31	31	38	975,960,000	--	9.9	10	12
2020 Q4	CFR-TARHEEL-24-112620	11/26/20 23:01	24	36	36	45	691,990,000	--	8.2	8.2	10
2020 Q4	CFR-TARHEEL-24-113020	11/30/20 23:01	24	94	94	120	541,810,000	--	17	17	20
2020 Q4	CFR-TARHEEL-24-120320	12/3/20 23:01	24	46	46	53	1,088,100,000	--	16	17	19
2020 Q4	CFR-TARHEEL-24-120720	12/7/20 23:01	24	25	25	40	899,500,000	--	7.4	7.2	12
2020 Q4	CFR-TARHEEL-24-121020	12/10/20 23:01	24	29	29	29	756,860,000	--	7.2	7.3	7.3
2020 Q4	CFR-TARHEEL-24-121320	12/13/20 23:01	24	43	43	60	427,890,000	--	6	6.1	8.4
2020 Q4	CFR-TARHEEL-12-121420	12/14/20 11:59	11	48	48	66	187,550,000	--	6.4	6.5	8.8
2020 Q4	CAP1220-TARHEEL-121620	12/15/20 16:11	0	70	74	84	--	6,270	12	13	15
2020 Q4	CFR-TARHEEL-121720	12/17/20 12:29	0	13	13	20	--	14,200	5.2	5.2	8
2020 Q4	CFR-TARHEEL-122120	12/21/20 13:52	0	18	18	24	--	14,000	7.1	7.1	9.5
2020 Q4	CFR-TARHEEL-122320	12/23/20 9:30	0	7.1	7.1	10	--	14,400	2.9	2.9	4.1
2020 Q4	CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
2020 Q4	CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
2020 Q4	CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14

Notes:

- 1 - Samples with a compositing duration of zero (0) hours are grab samples.
2 - Total flow volume is determined based on measurements taken over the sample collection period.
3 - For samples with a duration of zero (0) hours, i.e., grab samples, the instantaneous flow rate was used to calculate the mass discharge.
4 - Total Attachment C does not include Perfluorooheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

-- - not applicable

ng/L - nanograms per liter

ft³ - cubic feet

mg/s - milligrams per second

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	4407	15.7	18	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0121-CFR-RM-76-012621	CAP0121-WC-1-24-012721	CAP0121-OUTFALL-002-24-012721	--	--
Sample Date and Time ²	1/26/2021	1/27/2021	1/27/2021	--	--
Sample Delivery Group (SDG)	320-69420-1	320-69414-1	320-68081-1		
Lab Sample ID	320-69420-2	320-69414-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.12	0.26	0.17	0.23
PFMOAA	ND	ND	0.058	1.5	2.2
PFO2HxA	ND	0.12	0.050	0.35	0.50
PFO3OA	ND	ND	0.017	0.104	0.15
PFO4DA	ND	ND	0.014	0.058	0.088
PFO5DA	ND	ND	0.008	0.007	0.011
PMPA	ND	0.50	0.076	0.103	0.126
PEPA	ND	ND	0.023	0.031	0.037
PS Acid	ND	ND	0.111	0.002	0.004
Hydro-PS Acid	ND	ND	0.017	0.005	0.007
R-PSDA	0.71	ND	0.505	0.007	0.009
Hydrolyzed PSDA	ND	ND	0.111	0.012	0.017
R-PSDCA	ND	ND	0.004	0.0003	0.0004
NVHOS, Acid Form	ND	ND	0.009	0.012	0.018
EVE Acid	ND	ND	0.03	0.0005	0.001
Hydro-EVE Acid	ND	ND	0.003	0.004	0.006
R-EVE	ND	ND	0.032	0.005	0.006
PES	ND	ND	ND	0.00003	0.00005
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.76	0.63	2.3	3.3
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.76	0.68	2.3	3.3
Total Table 3+ Mass Discharge (20 Compounds)⁷	0.71	0.76	1.3	2.3	3.3

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.30	0.18	0.10	0.38	0.05
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	Seep-C FTC	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	SEEP-A-IMP	SEEP-B	SEEP-C Influent	SEEP-D	Lock-Dam Seep
Field Sample ID	CAP0121-SEEP-A-24-012721-Z	CAP0121-SEEP-B-012721	SEEP-C-INFLUENT-228-012921	CAP0121-SEEP-D-012721	CAP0121-LOCK-DAM-SEEP-012621
Sample Date and Time ²	1/27/2021	1/27/2021	1/29/2021	1/27/2021	1/26/2021
Sample Delivery Group (SDG)	320-69417-1	320-69549-1	320-69608-1	320-69549-1	320-69424-1
Lab Sample ID	320-69417-3	320-69549-2	320-69608-2	320-69549-3	320-69424-2
Sample Type	Composite	Grab	Composite	Grab	Grab
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	0.21	0.14	0.076	0.22	0.006
PFMOAA	0.45	0.6	0.35	1.45	0.057
PFO2HxA	0.21	0.18	0.10	0.42	0.016
PFO3OA	0.056	0.045	0.024	0.118	0.005
PFO4DA	0.049	0.016	0.010	0.039	0.001
PFO5DA	0.019	0.005	ND	0.002	0.0001
PMPA	0.15	0.20	0.037	0.109	0.005
PEPA	0.053	0.09	0.010	0.035	0.002
PS Acid	ND	0.019	ND	ND	ND
Hydro-PS Acid	ND	0.006	0.001	0.005	0.0002
R-PSDA	0.020	0.018	0.003	0.013	0.001
Hydrolyzed PSDA	0.16	0.14	0.005	0.025	0.001
R-PSDCA	ND	0.001	ND	0.0003	ND
NVHOS, Acid Form	0.006	0.012	0.003	0.013	0.001
EVE Acid	0.026	0.030	ND	ND	ND
Hydro-EVE Acid	0.012	0.013	0.005	0.024	0.00007
R-EVE	0.010	0.016	0.003	0.017	0.0003
PES	ND	0.0002	ND	ND	ND
PFECA B	ND	0.0001	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	1.2	1.4	0.63	2.4	0.09
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	1.2	1.4	0.63	2.4	0.09
Total Table 3+ Mass Discharge (20 Compounds)⁷	1.5	1.5	0.63	2.5	0.09

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.23	11.8		
Instantaneous Flow (ft3/sec)	--	--		
Program	Old Outfall 002 Treatment System	CAP SW Sampling Jan 2021		
Location ID	Old Outfall 002 Influent	GBC-1		
Field Sample ID	Influent-0121 1	CAP0121-GBC-1-012621		
Sample Date and Time ²	1/4/2021	1/26/2021		
Sample Delivery Group (SDG)	410-25399-1	320-69424-1		
Lab Sample ID	410-25399-1	320-69424-3		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge^v (mg/s)</i>				
Hfpo Dimer Acid	0.308	0.19	1.7	1.8
PFMOAA	2.16	0.044	6.66	7.4
PFO2HxA	0.508	0.109	2.1	2.2
PFO3OA	0.140	0.011	0.52	0.57
PFO4DA	0.039	0.005	0.23	0.26
PFO5DA	0.022	0.001	0.06	0.07
PMPA	0.167	0.29	1.6	1.7
PEPA	0.054	0.088	0.38	0.39
PS Acid	0.044	ND	0.18	0.18
Hydro-PS Acid	0.015	0.015	0.06	0.07
R-PSDA	0.052	0.051	1.38	1.39
Hydrolyzed PSDA	0.070	ND	0.52	0.52
R-PSDCA	0.0004	ND	0.01	0.01
NVHOS, Acid Form	0.018	0.002	0.08	0.08
EVE Acid	0.003	ND	0.09	0.09
Hydro-EVE Acid	0.008	ND	0.07	0.07
R-EVE	0.012	0.016	0.11	0.11
PES	ND	ND	0.00	0.00
PFECA B	ND	ND	0.00	0.00
PFECA-G	ND	ND	0.00	0.00
Total Attachment C Mass Discharge^{7,8}	3.5	0.73	13.5	14.5
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	3.5	0.78	13.7	14.7
Total Table 3+ Mass Discharge (20 Compounds)⁷	3.6	0.83	15.8	16.8

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number¹	--	--
Pathway Name	Tar Heel Ferry Road Bridge⁵	Tar Heel Ferry Road Bridge
Flow (MG)	--	4890
Instantaneous Flow (ft3/sec)	4,910	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	TARHEEL	TARHEEL
Field Sample ID	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721
Sample Date and Time²	1/26/2021	1/27/2021
Sample Delivery Group (SDG)	320-69424-1	320-69495-2
Lab Sample ID	320-69424-4	320-69495-2
Sample Type	Grab	Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>		
Hfpo Dimer Acid	2.4	2.4
PFMOAA	5.0	4.9
PFO2HxA	1.8	2.6
PFO3OA	0.445	0.4
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	2.8	4.1
PEPA	ND	ND
PS Acid	0.292	ND
Hydro-PS Acid	ND	ND
R-PSDA	2.8	2.1
Hydrolyzed PSDA	1.3	1.7
R-PSDCA	ND	ND
NVHOS, Acid Form	0.417	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	0.598	0.7
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	12.7	14.4
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	13.1	14.4
Total Table 3+ Mass Discharge (20 Compounds)⁷	18.1	18.9

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--
Pathway Name	Bladen Bluff ⁵	Kings Bluff ⁵
Flow (MG)	--	--
Instantaneous Flow (ft3/sec)	4,960	11,200
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0121-CFR-BLADEN-012621	CAP0121-CFR-KINGS-012821
Sample Date and Time ²	1/26/2021	1/28/2021
Sample Delivery Group (SDG)	320-69420-1	320-69610-1
Lab Sample ID	320-69420-1	320-69610-1
Sample Type	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)		
Hfpo Dimer Acid	2.0	4.1
PFMOAA	1.7	8.2
PFO2HxA	0.7	3.8
PFO3OA	ND	0.7
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	ND	7.6
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	3.8
Hydrolyzed PSDA	0.4	2.2
R-PSDCA	ND	ND
NVHOS, Acid Form	ND	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	1.6
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	4.4	24.4
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	4.4	24.4
Total Table 3+ Mass Discharge (20 Compounds)⁷	4.8	31.7

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables 8 and 10 and 24-hour flow volumes reported in Table 9.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table 8 and Table 10, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	4407	15.7	18	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0121-CFR-RM-76-012621	CAP0121-WC-1-24-012721	CAP0121-OUTFALL-002-24-012721	--	--
Sample Date and Time ²	1/26/2021	1/27/2021	1/27/2021	--	--
Sample Delivery Group (SDG)	320-69420-1	320-69414-1	320-68081-1		
Lab Sample ID	320-69420-2	320-69414-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.12	0.26	0.17	0.23
PFMOAA	ND	ND	0.058	1.5	2.2
PFO2HxA	ND	0.12	0.050	0.35	0.50
PFO3OA	ND	ND	0.017	0.104	0.15
PFO4DA	ND	ND	0.014	0.058	0.088
PFO5DA	ND	ND	0.008	0.007	0.011
PMPA	ND	0.50	0.076	0.103	0.126
PEPA	ND	ND	0.023	0.031	0.037
PS Acid	ND	ND	0.111	0.002	0.004
Hydro-PS Acid	ND	ND	0.017	0.005	0.007
R-PSDA	0.71	ND	0.505	0.007	0.009
Hydrolyzed PSDA	ND	ND	0.111	0.012	0.017
R-PSDCA	ND	ND	0.004	0.0003	0.0004
NVHOS, Acid Form	ND	ND	0.009	0.012	0.018
EVE Acid	ND	ND	0.03	0.0005	0.001
Hydro-EVE Acid	ND	ND	0.003	0.004	0.006
R-EVE	ND	ND	0.032	0.005	0.006
PES	ND	ND	ND	0.00003	0.00005
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.76	0.63	2.3	3.3
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.76	0.68	2.3	3.3
Total Table 3+ Mass Discharge (20 Compounds)⁷	0.71	0.76	1.3	2.3	3.3

TABLE B19-2

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.30	0.18	0.10	0.38	0.05
Instantaneous Flow (ft ³ /sec)	--	--	--	--	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	SEEP-A-IMP	SEEP-B	SEEP-C-EFF	SEEP-D	Lock-Dam Seep
Field Sample ID	CAP0121-SEEP-A-24-012721-Z	CAP0121-SEEP-B-012721	CAP0121-SEEP-C-24-012721	CAP0121-SEEP-D-012721	CAP0121-LOCK-DAM-SEEP-012621
Sample Date and Time ²	1/27/2021	1/27/2021	1/27/2021	1/27/2021	1/26/2021
Sample Delivery Group (SDG)	320-69417-1	320-69549-1	320-69417-1	320-69549-1	320-69424-1
Lab Sample ID	320-69417-3	320-69549-2	320-69417-4	320-69549-3	320-69424-2
Sample Type	Composite	Grab	Composite	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)					
Hfpo Dimer Acid	0.21	0.14	0.001	0.22	0.006
PFMOAA	0.45	0.6	0.004	1.45	0.057
PFO2HxA	0.21	0.18	0.001	0.42	0.016
PFO3OA	0.056	0.045	ND	0.118	0.005
PFO4DA	0.049	0.016	ND	0.039	0.001
PFO5DA	0.019	0.005	ND	0.002	0.0001
PMPA	0.15	0.20	ND	0.109	0.005
PEPA	0.053	0.09	ND	0.035	0.002
PS Acid	ND	0.019	ND	ND	ND
Hydro-PS Acid	ND	0.006	ND	0.005	0.0002
R-PSDA	0.020	0.018	ND	0.013	0.001
Hydrolyzed PSDA	0.16	0.14	0.001	0.025	0.001
R-PSDCA	ND	0.001	ND	0.0003	ND
NVHOS, Acid Form	0.006	0.012	ND	0.013	0.001
EVE Acid	0.026	0.030	ND	ND	ND
Hydro-EVE Acid	0.012	0.013	ND	0.024	0.0001
R-EVE	0.010	0.016	ND	0.017	0.0003
PES	ND	0.0002	ND	ND	ND
PFECA B	ND	0.0001	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	1.2	1.4	0.01	2.4	0.09
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	1.2	1.4	0.01	2.4	0.09
Total Table 3+ Mass Discharge (20 Compounds)⁷	1.5	1.5	0.01	2.5	0.09

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.23	11.8		
Instantaneous Flow (ft3/sec)	--	--		
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021		
Location ID	OLDOF-1	GBC-1		
Field Sample ID	CAP0121-OLDOF-1-012721	CAP0121-GBC-1-012621		
Sample Date and Time ²	1/27/2021	1/26/2021		
Sample Delivery Group (SDG)	320-69549-1	320-69424-1		
Lab Sample ID	320-69549-1	320-69424-3		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge^v (mg/s)</i>				
Hfpo Dimer Acid	0.054	0.19	1.4	1.4
PFMOAA	0.31	0.044	4.45	5.2
PFO2HxA	0.081	0.109	1.5	1.7
PFO3OA	0.023	0.011	0.38	0.43
PFO4DA	0.011	0.005	0.19	0.22
PFO5DA	0.005	0.001	0.05	0.05
PMPA	0.035	0.29	1.5	1.5
PEPA	0.011	0.088	0.33	0.34
PS Acid	0.005	ND	0.14	0.14
Hydro-PS Acid	0.002	0.015	0.05	0.05
R-PSDA	0.002	0.051	1.33	1.33
Hydrolyzed PSDA	0.007	ND	0.45	0.46
R-PSDCA	ND	ND	0.01	0.01
NVHOS, Acid Form	0.003	0.002	0.06	0.06
EVE Acid	0.0004	ND	0.08	0.08
Hydro-EVE Acid	0.001	ND	0.06	0.06
R-EVE	0.002	0.016	0.10	0.10
PES	ND	ND	0.0002	0.0002
PFECA B	ND	ND	0.0001	0.0001
PFECA-G	ND	ND	0.0000	0.0000
Total Attachment C Mass Discharge^{7,8}	0.53	0.73	10.0	11.0
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	0.54	0.78	10.1	11.1
Total Table 3+ Mass Discharge (20 Compounds)⁷	0.54	0.83	12.1	13.1

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number¹	--	--
Pathway Name	Tar Heel Ferry Road Bridge⁵	Tar Heel Ferry Road Bridge
Flow (MG)	--	4890
Instantaneous Flow (ft3/sec)	4,910	--
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	TARHEEL	TARHEEL
Field Sample ID	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721
Sample Date and Time²	1/26/2021	1/27/2021
Sample Delivery Group (SDG)	320-69424-1	320-69495-2
Lab Sample ID	320-69424-4	320-69495-2
Sample Type	Grab	Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>		
Hfpo Dimer Acid	2.4	2.4
PFMOAA	5.0	4.9
PFO2HxA	1.8	2.6
PFO3OA	0.445	0.4
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	2.8	4.1
PEPA	ND	ND
PS Acid	0.292	ND
Hydro-PS Acid	ND	ND
R-PSDA	2.8	2.1
Hydrolyzed PSDA	1.3	1.7
R-PSDCA	ND	ND
NVHOS, Acid Form	0.417	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	0.598	0.7
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	12.7	14.4
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	13.1	14.4
Total Table 3+ Mass Discharge (20 Compounds)⁷	18.1	18.9

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--
Pathway Name	Bladen Bluff⁵	Kings Bluff⁵
Flow (MG)	--	--
Instantaneous Flow (ft ³ /sec)	4,960	11,200
Program	CAP SW Sampling Jan 2021	CAP SW Sampling Jan 2021
Location ID	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0121-CFR-BLADEN-012621	CAP0121-CFR-KINGS-012821
Sample Date and Time ²	1/26/2021	1/28/2021
Sample Delivery Group (SDG)	320-69420-1	320-69610-1
Lab Sample ID	320-69420-1	320-69610-1
Sample Type	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)		
Hfpo Dimer Acid	2.0	4.1
PFMOAA	1.7	8.2
PFO2HxA	0.7	3.8
PFO3OA	ND	0.7
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	ND	7.6
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	3.8
Hydrolyzed PSDA	0.4	2.2
R-PSDCA	ND	ND
NVHOS, Acid Form	ND	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	1.6
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	4.4	24.4
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	4.4	24.4
Total Table 3+ Mass Discharge (20 Compounds)⁷	4.8	31.7

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B20-1

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	10838	15.7	11	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021		
Location ID	CFR-DCO	WC-2	OUTFALL 002	--	--
Field Sample ID	CAP0221-CFR-DCO-022421	CAP0221-WC-2-022521	CAP0221-OUTFALL-002-022421	--	--
Sample Date and Time ²	2/24/2021	2/25/2021	2/24/2021	--	--
Sample Delivery Group (SDG)	320-70596-1	320-70654-1	320-68081-1		
Lab Sample ID	320-70596-1	320-70654-1	320-68081-2		
Sample Type	Grab	Grab	Grab	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.21	0.07	0.17	0.22
PFMOAA	ND	0.27	0.011	1.5	2.1
PFO2HxA	ND	0.16	0.007	0.35	0.47
PFO3OA	ND	0.022	0.003	0.101	0.15
PFO4DA	ND	0.010	0.003	0.058	0.087
PFO5DA	ND	0.001	0.002	0.007	0.011
PMPA	ND	0.21	0.007	0.086	0.104
PEPA	ND	0.055	ND	0.023	0.029
PS Acid	ND	ND	0.020	0.002	0.003
Hydro-PS Acid	ND	0.007	0.003	0.005	0.007
R-PSDA	ND	0.046	0.013	0.007	0.009
Hydrolyzed PSDA	ND	0.065	0.046	0.013	0.019
R-PSDCA	ND	ND	ND	0.0003	0.0004
NVHOS, Acid Form	ND	0.004	0.001	0.011	0.016
EVE Acid	ND	ND	0.01	0.0005	0.001
Hydro-EVE Acid	ND	0.002	ND	0.004	0.006
R-EVE	ND	0.021	0.005	0.004	0.006
PES	ND	ND	ND	0.00002	0.00002
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.96	0.12	2.3	3.2
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.96	0.13	2.3	3.2
Total Table 3+ Mass Discharge (20 Compounds)⁷	ND	1.1	0.20	2.3	3.2

TABLE B20-1

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep ¹⁰
Flow (MG)	0.30	0.30	0.12	0.23	0.05
Instantaneous Flow (ft ³ /sec)	--	--	--	--	--
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	Seep-C FTC	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021
Location ID	SEEP-A-IMP	SEEP B-2	SEEP-C Influent	SEEP-D-3	Lock-Dam Seep
Field Sample ID	CAP0221-SEEP-A-1-022421	CAP0221-SEEP-B-2-022421	SEEP-C-Influent-24-022721	CAP0221-SEEP-D3-022421	CAP0121-LOCK-DAM-SEEP-012621
Sample Date and Time ²	2/24/2021	2/24/2021	2/27/2021	2/24/2021	1/26/2021
Sample Delivery Group (SDG)	K1B0387	K1B0387	320-70652-1	320-70778-1	320-69424-1
Lab Sample ID	K1B0387-04	K1B0387-06	320-70652-2	320-70778-3	320-69424-2
Sample Type	Grab	Grab	Composite	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)					
Hfpo Dimer Acid	0.25	0.31	0.030	0.08	0.006
PFMOAA	1.19	0.5	0.12	0.79	0.057
PFO2HxA	0.42	0.17	0.04	0.18	0.016
PFO3OA	0.129	0.033	0.016	0.045	0.005
PFO4DA	0.102	0.017	0.004	0.010	0.001
PFO5DA	0.072	0.008	ND	ND	0.000
PMPA	0.21	0.35	0.020	0.046	0.005
PEPA	0.068	0.13	0.006	0.019	0.002
PS Acid	0.074	0.047	ND	ND	ND
Hydro-PS Acid	0.020	0.011	0.001	0.002	0.0002
R-PSDA	0.024	0.021	0.002	0.006	0.001
Hydrolyzed PSDA	0.26	0.09	0.003	0.001	0.001
R-PSDCA	0.001	0.001	ND	0.000	ND
NVHOS, Acid Form	0.011	0.016	0.001	0.007	0.001
EVE Acid	0.013	0.072	0.000	ND	ND
Hydro-EVE Acid	0.023	0.024	0.002	0.003	0.0001
R-EVE	0.013	0.019	0.002	0.005	0.0003
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	2.5	1.6	0.24	1.2	0.09
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	2.6	1.7	0.25	1.2	0.09
Total Table 3+ Mass Discharge (20 Compounds)⁷	2.9	1.9	0.25	1.2	0.09

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.11	5.3		
Instantaneous Flow (ft3/sec)	--	--		
Program	Old Outfall 002 Treatment System	CAP SW Sampling Feb 2021		
Location ID	Old Outfall 002 Influent	GBC-5		
Field Sample ID	Influent-0221	CAP0221-GBC-5-022421		
Sample Date and Time ²	2/2/2021	2/24/2021		
Sample Delivery Group (SDG)	410-28268-1	320-70594-1		
Lab Sample ID	410-28268-1	320-70594-4		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge^v (mg/s)</i>				
Hfpo Dimer Acid	0.218	0.12	1.5	1.5
PFMOAA	1.99	0.028	6.53	7.1
PFO2HxA	0.534	0.065	1.9	2.1
PFO3OA	0.150	0.007	0.51	0.56
PFO4DA	0.053	0.003	0.26	0.29
PFO5DA	0.029	0.001	0.12	0.12
PMPA	0.199	0.14	1.3	1.3
PEPA	0.073	0.032	0.41	0.42
PS Acid	0.039	0.001	0.18	0.18
Hydro-PS Acid	0.015	0.006	0.07	0.07
R-PSDA	0.024	0.028	0.17	0.17
Hydrolyzed PSDA	0.053	0.001	0.54	0.55
R-PSDCA	0.0004	ND	0.00	0.00
NVHOS, Acid Form	0.020	0.001	0.07	0.08
EVE Acid	0.003	0.001	0.10	0.10
Hydro-EVE Acid	0.007	0.001	0.07	0.07
R-EVE	0.009	0.009	0.09	0.09
PES	ND	ND	0.00	0.00
PFECA B	ND	ND	0.00	0.00
PFECA-G	ND	ND	0.00	0.00
Total Attachment C Mass Discharge^{7,8}	3.30	0.39	12.8	13.6
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	3.35	0.42	13.1	14.0
Total Table 3+ Mass Discharge (20 Compounds)⁷	3.40	0.44	13.8	14.7

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge ⁵	Bladen Bluff ⁵	Kings Bluff ⁵
Flow (MG)	--	--	--
Instantaneous Flow (ft3/sec)	16,900	17,000	20,900
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021
Location ID	TARHEEL	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-BLADEN-022421	CAP0221-CFR-KINGS-022521
Sample Date and Time ²	2/24/2021	2/24/2021	2/25/2021
Sample Delivery Group (SDG)	320-70619-1	320-70619-1	320-70654-1
Lab Sample ID	320-70619-2	320-70619-3	320-70654-2
Sample Type	Grab	Grab	Grab
<i>Table 3+ Lab SOP Mass Discharge^o (mg/s)</i>			
Hfpo Dimer Acid	5.7	2.2	3.6
PFMOAA	9.6	4.2	5.5
PFO2HxA	3.3	1.9	2.9
PFO3OA	ND	ND	ND
PFO4DA	1.292	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	5.9
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	1.388	ND	ND
R-PSDA	1.6	1.06	3.6
Hydrolyzed PSDA	1.2	ND	1.9
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	1.914	ND	ND
R-EVE	ND	ND	1.7
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	12.4	8.2	17.8
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	12.4	8.2	17.8
Total Table 3+ Mass Discharge (20 Compounds)⁷	16.3	9.1	24.9

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

10 - Lock and Dam Seep could not be sampled in February 2021; results from January 2021 used.

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B20-2

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	10838	15.7	11	--	--
Instantaneous Flow (ft ³ /sec)	--	--	--	--	--
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021		
Location ID	CFR-DCO	WC-2	OUTFALL 002	--	--
Field Sample ID	CAP0221-CFR-DCO-022421	CAP0221-WC-2-022521	CAP0221-OUTFALL-002-022421	--	--
Sample Date and Time ²	2/24/2021	2/25/2021	2/24/2021	--	--
Sample Delivery Group (SDG)	320-70596-1	320-70654-1	320-68081-1		
Lab Sample ID	320-70596-1	320-70654-1	320-68081-2		
Sample Type	Grab	Grab	Grab	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.21	0.07	0.17	0.22
PFMOAA	ND	0.27	0.011	1.5	2.1
PFO2HxA	ND	0.16	0.007	0.35	0.47
PFO3OA	ND	0.022	0.003	0.101	0.15
PFO4DA	ND	0.010	0.003	0.058	0.087
PFO5DA	ND	0.001	0.002	0.007	0.011
PMPA	ND	0.21	0.007	0.086	0.104
PEPA	ND	0.055	ND	0.023	0.029
PS Acid	ND	ND	0.020	0.002	0.003
Hydro-PS Acid	ND	0.007	0.003	0.005	0.007
R-PSDA	ND	0.046	0.013	0.007	0.009
Hydrolyzed PSDA	ND	0.065	0.046	0.013	0.019
R-PSDCA	ND	ND	ND	0.0003	0.0004
NVHOS, Acid Form	ND	0.004	0.001	0.011	0.016
EVE Acid	ND	ND	0.01	0.0005	0.001
Hydro-EVE Acid	ND	0.002	ND	0.004	0.006
R-EVE	ND	0.021	0.005	0.004	0.006
PES	ND	ND	ND	0.00002	0.00002
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.96	0.12	2.3	3.2
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.96	0.13	2.3	3.2
Total Table 3+ Mass Discharge (20 Compounds)⁷	ND	1.1	0.20	2.3	3.2

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep ¹⁰
Flow (MG)	0.30	0.30	0.12	0.23	0.05
Instantaneous Flow (ft ³ /sec)	--	--	--	--	--
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	Seep-C FTC	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021
Location ID	SEEP-A-IMP	SEEP B-2	SEEP-C Effluent	SEEP-D-3	Lock-Dam Seep
Field Sample ID	CAP0221-SEEP-A-1-022421	CAP0221-SEEP-B-2-022421	SEEP-C-Effluent-24-022721	CAP0221-SEEP-D3-022421	CAP0121-LOCK-DAM-SEEP-012621
Sample Date and Time ²	2/24/2021	2/24/2021	2/27/2021	2/24/2021	1/26/2021
Sample Delivery Group (SDG)	K1B0387	K1B0387	320-70652-1	320-70778-1	320-69424-1
Lab Sample ID	K1B0387-04	K1B0387-06	320-70652-1	320-70778-3	320-69424-2
Sample Type	Grab	Grab	Composite	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)					
Hfpo Dimer Acid	0.25	0.31	ND	0.08	0.006
PFMOAA	1.19	0.5	0.001	0.79	0.057
PFO2HxA	0.42	0.17	0.0004	0.18	0.016
PFO3OA	0.129	0.033	ND	0.045	0.005
PFO4DA	0.102	0.017	ND	0.010	0.001
PFO5DA	0.072	0.008	ND	ND	0.0001
PMPA	0.21	0.35	0.003	0.046	0.005
PEPA	0.068	0.13	ND	0.019	0.002
PS Acid	0.074	0.047	ND	ND	ND
Hydro-PS Acid	0.020	0.011	ND	0.002	0.000
R-PSDA	0.024	0.021	ND	0.006	0.001
Hydrolyzed PSDA	0.26	0.09	ND	0.001	0.001
R-PSDCA	0.001	0.001	ND	0.0001	ND
NVHOS, Acid Form	0.011	0.016	ND	0.007	0.001
EVE Acid	0.013	0.072	ND	ND	ND
Hydro-EVE Acid	0.023	0.024	ND	0.003	0.0001
R-EVE	0.013	0.019	ND	0.005	0.0003
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	2.5	1.6	0.01	1.2	0.09
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	2.6	1.7	0.01	1.2	0.09
Total Table 3+ Mass Discharge (20 Compounds)⁷	2.9	1.9	0.01	1.2	0.09

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.11	5.3		
Instantaneous Flow (ft3/sec)	--	--		
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021		
Location ID	OLDOF-2	GBC-5		
Field Sample ID	CAP0221-OLDOF-2-022421	CAP0221-GBC-5-022421		
Sample Date and Time ²	2/24/2021	2/24/2021		
Sample Delivery Group (SDG)	320-70596-1	320-70594-1		
Lab Sample ID	320-70596-2	320-70594-4		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge^v (mg/s)</i>				
Hfpo Dimer Acid	0.068	0.12	1.3	1.3
PFMOAA	0.44	0.028	4.86	5.5
PFO2HxA	0.092	0.065	1.5	1.6
PFO3OA	0.020	0.007	0.37	0.41
PFO4DA	0.012	0.003	0.21	0.24
PFO5DA	0.007	0.001	0.10	0.10
PMPA	0.044	0.14	1.1	1.1
PEPA	0.014	0.032	0.35	0.35
PS Acid	0.003	0.001	0.15	0.15
Hydro-PS Acid	0.004	0.006	0.06	0.06
R-PSDA	0.002	0.028	0.15	0.15
Hydrolyzed PSDA	0.008	0.001	0.49	0.50
R-PSDCA	0.0001	ND	0.00	0.00
NVHOS, Acid Form	0.003	0.001	0.06	0.06
EVE Acid	0.0002	0.001	0.10	0.10
Hydro-EVE Acid	0.002	0.001	0.06	0.06
R-EVE	0.002	0.009	0.08	0.08
PES	ND	ND	0.00	0.00
PFECA B	ND	ND	0.00	0.00
PFECA-G	ND	ND	0.00	0.00
Total Attachment C Mass Discharge^{7,8}	0.73	0.39	10.0	10.8
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	0.73	0.42	10.3	11.1
Total Table 3+ Mass Discharge (20 Compounds)⁷	0.73	0.44	10.9	11.8

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge ⁵	Bladen Bluff ⁵	Kings Bluff ⁵
Flow (MG)	--	--	--
Instantaneous Flow (ft3/sec)	16,900	17,000	20,900
Program	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021	CAP SW Sampling Feb 2021
Location ID	TARHEEL	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-BLADEN-022421	CAP0221-CFR-KINGS-022521
Sample Date and Time ²	2/24/2021	2/24/2021	2/25/2021
Sample Delivery Group (SDG)	320-70619-1	320-70619-1	320-70654-1
Lab Sample ID	320-70619-2	320-70619-3	320-70654-2
Sample Type	Grab	Grab	Grab
<i>Table 3+ Lab SOP Mass Discharge^o (mg/s)</i>			
Hfpo Dimer Acid	5.7	2.2	3.6
PFMOAA	9.6	4.2	5.5
PFO2HxA	3.3	1.9	2.9
PFO3OA	ND	ND	ND
PFO4DA	1.292	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	5.9
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	1.388	ND	ND
R-PSDA	1.6	1.06	3.6
Hydrolyzed PSDA	1.2	ND	1.9
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	1.914	ND	ND
R-EVE	ND	ND	1.7
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	12.4	8.2	17.8
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	12.4	8.2	17.8
Total Table 3+ Mass Discharge (20 Compounds)⁷	16.3	9.1	24.9

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

10 - Lock and Dam Seep could not be sampled in February 2021; results from January 2021 used.

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B21-1

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	10309	9.8	18	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021		
Location ID	CFR-2517BOATRAMP	WC-5	OUTFALL 002	--	--
Field Sample ID	CAP0321-2517BOATRAMP-032921	CAP0321-WC-5-032921	CAP0321-OUTFALL-002-24-033021	--	--
Sample Date and Time ²	3/29/2021	3/29/2021	3/30/2021	--	--
Sample Delivery Group (SDG)	320-71976-1	320-72051-1	320-68081-1		
Lab Sample ID	320-71976-1	320-72051-1	320-68081-2		
Sample Type	Grab	Grab	Composite	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.08	0.08	0.16	0.22
PFMOAA	ND	0.18	0.011	1.9	2.5
PFO2HxA	ND	0.13	0.009	0.42	0.55
PFO3OA	ND	ND	0.004	0.114	0.16
PFO4DA	ND	ND	0.003	0.062	0.093
PFO5DA	ND	ND	0.002	0.008	0.012
PMPA	ND	ND	0.016	0.085	0.111
PEPA	ND	ND	ND	0.024	0.032
PS Acid	ND	ND	0.030	0.002	0.004
Hydro-PS Acid	ND	ND	0.003	0.005	0.007
R-PSDA	ND	ND	0.012	0.008	0.010
Hydrolyzed PSDA	ND	ND	0.050	0.014	0.020
R-PSDCA	ND	ND	ND	0.0003	0.0004
NVHOS, Acid Form	ND	ND	ND	0.014	0.019
EVE Acid	ND	ND	0.01	0.001	0.001
Hydro-EVE Acid	ND	ND	ND	0.005	0.007
R-EVE	ND	ND	0.005	0.005	0.006
PES	ND	ND	ND	0.00004	0.00004
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.39	0.16	2.8	3.6
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.39	0.17	2.8	3.6
Total Table 3+ Mass Discharge (20 Compounds)⁷	ND	0.39	0.24	2.8	3.7

TABLE B21-1

TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.30	0.15	0.10	0.24	0.02
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	Seep-C FTC	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021
Location ID	SEEP-A-IMP	SEEP-B-IMP	Seep-C Influent	SEEP-D2-B1	Lock-Dam Seep
Field Sample ID	CAP0321-SEEP-A-1-24-033021	CAP0321-SEEP-B-1-24-033021	SEEP-C-INFLUENT-300-033121	CAP0321-SEEP-D2-B1-033021	CAP0321-LOCK-DAM-SEEP-032921
Sample Date and Time ²	3/30/2021	3/30/2021	3/31/2021	3/30/2021	3/29/2021
Sample Delivery Group (SDG)	320-72115-1	320-72115-1	320-72353-1	320-71976-1	320-72336-1
Lab Sample ID	320-72115-3	320-72115-4	320-72353-2	320-71976-4	320-72336-1
Sample Type	Composite	Composite	Composite	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)					
Hfpo Dimer Acid	0.25	0.17	0.067	0.12	0.008
PFMOAA	0.74	0.5	0.347	1.17	0.090
PFO2HxA	0.37	0.22	0.109	0.32	0.026
PFO3OA	0.114	0.060	0.034	0.099	0.011
PFO4DA	0.053	0.012	0.010	0.016	0.002
PFO5DA	0.033	0.005	ND	ND	0.0001
PMPA	0.26	0.24	0.042	0.070	0.007
PEPA	0.119	0.12	0.015	0.026	0.002
PS Acid	0.021	0.022	ND	ND	ND
Hydro-PS Acid	0.012	0.008	0.002	0.002	0.0002
R-PSDA	0.023	0.028	0.004	0.011	0.001
Hydrolyzed PSDA	0.13	0.18	0.005	0.015	0.001
R-PSDCA	0.0004	0.0005	ND	ND	0.00001
NVHOS, Acid Form	0.009	0.016	0.004	0.014	0.001
EVE Acid	0.004	0.032	ND	ND	ND
Hydro-EVE Acid	0.010	0.014	0.005	0.010	0.0001
R-EVE	0.012	0.020	0.004	0.012	0.0003
PES	0.00005	0.0001	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	2.0	1.4	0.63	1.8	0.14
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	2.0	1.4	0.63	1.8	0.14
Total Table 3+ Mass Discharge (20 Compounds)⁷	2.1	1.7	0.63	1.9	0.15

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.42	2.4		
Instantaneous Flow (ft3/sec)	--	--		
Program	Old Outfall 002 Treatment System	CAP SW Sampling Mar 2021		
Location ID	Old Outfall 002 Influent	GBC-5		
Field Sample ID	Influent-0321	CAP0321-GBC-5-032921		
Sample Date and Time ²	3/4/2021	3/29/2021		
Sample Delivery Group (SDG)	410-31321-1	320-72051-1		
Lab Sample ID	410-31321-2	320-72051-3		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge³ (mg/s)</i>				
Hfpo Dimer Acid	0.398	0.09	1.4	1.5
PFMOAA	2.30	ND	7.25	7.8
PFO2HxA	0.622	0.074	2.3	2.4
PFO3OA	0.168	ND	0.60	0.65
PFO4DA	0.054	ND	0.21	0.24
PFO5DA	0.029	ND	0.08	0.08
PMPA	0.236	0.13	1.1	1.1
PEPA	0.087	0.038	0.43	0.44
PS Acid	0.058	ND	0.13	0.13
Hydro-PS Acid	0.017	ND	0.05	0.05
R-PSDA	0.035	ND	0.12	0.12
Hydrolyzed PSDA	0.087	ND	0.49	0.49
R-PSDCA	0.0005	ND	0.00	0.00
NVHOS, Acid Form	0.023	ND	0.08	0.09
EVE Acid	0.004	ND	0.05	0.05
Hydro-EVE Acid	0.009	ND	0.05	0.05
R-EVE	0.014	ND	0.07	0.07
PES	ND	ND	0.00	0.00
PFECA B	ND	ND	0.00	0.00
PFECA-G	ND	ND	0.00	0.00
Total Attachment C Mass Discharge^{7,8}	4.0	0.33	13.6	14.5
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	4.0	0.33	13.7	14.5
Total Table 3+ Mass Discharge (20 Compounds)⁷	4.2	0.33	14.5	15.3

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge ⁵	Tar Heel Ferry Road Bridge	Tar Heel Ferry Road Bridge
Flow (MG)	--	8,290	8,290
Instantaneous Flow (ft3/sec)	14,000	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	Tarheel Grab/Composite Sample Average
Location ID	TARHEEL	TARHEEL	TARHEEL
Field Sample ID	CAP0321-CFR-TARHEEL-032921	CAP0321-CFR-TARHEEL-21-033021	--
Sample Date and Time ²	3/29/2021	3/30/2021	3/29/2021 & 3/30/2021
Sample Delivery Group (SDG)	320-72172-1	320-71975-1	--
Lab Sample ID	320-72172-2	320-71975-4	--
Sample Type	Grab	Composite ¹⁰	Grab/Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>			
Hfpo Dimer Acid	1.3	1.1	1.2
PFMOAA	2.7	2.0	2.5
PFO2HxA	1.3	0.8	1.2
PFO3OA	ND	ND	ND
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	ND
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	1.2	2.6	1.1
Hydrolyzed PSDA	1.1	0.8	1.1
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	5.6	4.0	4.5
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	5.6	4.0	4.5
Total Table 3+ Mass Discharge (20 Compounds)⁷	7.9	7.3	7.3

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--
Pathway Name	Bladen Bluff ⁵	Kings Bluff ⁵
Flow (MG)	--	--
Instantaneous Flow (ft3/sec)	14,000	14,200
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021
Location ID	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0321-CFR-BLADEN-032921	CAP0321-CFR-KINGS-033021
Sample Date and Time ²	3/29/2021	3/30/2021
Sample Delivery Group (SDG)	320-72336-1	320-71975-1
Lab Sample ID	320-72336-2	320-71975-1
Sample Type	Grab	Grab
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)		
Hfpo Dimer Acid	1.3	2.3
PFMOAA	2.9	5.2
PFO2HxA	1.5	1.9
PFO3OA	ND	ND
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	ND	ND
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	1.5
Hydrolyzed PSDA	1.7	2.7
R-PSDCA	ND	ND
NVHOS, Acid Form	ND	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	ND
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	5.6	9.7
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	5.6	9.7
Total Table 3+ Mass Discharge (20 Compounds)⁷	7.5	13.7

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

10 - Battery failure caused sampling to stop after 21 cycles.

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	5	
Pathway Name	Upstream River Water and	Willis Creek	Outfall 002 ³	Onsite Groundwater - Lower	Onsite Groundwater - Upper
Flow (MG)	10309	9.8	18	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021		
Location ID	CFR-2517BOATRAMP	WC-5	OUTFALL 002	--	--
Field Sample ID	CAP0321-2517BOATRAMP-032921	CAP0321-WC-5-032921	CAP0321-OUTFALL-002-24-033021	--	--
Sample Date and Time ²	3/29/2021	3/29/2021	3/30/2021	--	--
Sample Delivery Group (SDG)	320-71976-1	320-72051-1	320-68081-1		
Lab Sample ID	320-71976-1	320-72051-1	320-68081-2		
Sample Type	Grab	Grab	Composite	--	--
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	ND	0.08	0.08	0.16	0.22
PFMOAA	ND	0.18	0.011	1.9	2.5
PFO2HxA	ND	0.13	0.009	0.42	0.55
PFO3OA	ND	ND	0.004	0.114	0.16
PFO4DA	ND	ND	0.003	0.062	0.093
PFO5DA	ND	ND	0.002	0.008	0.012
PMPA	ND	ND	0.016	0.085	0.111
PEPA	ND	ND	ND	0.024	0.032
PS Acid	ND	ND	0.030	0.002	0.004
Hydro-PS Acid	ND	ND	0.003	0.005	0.007
R-PSDA	ND	ND	0.012	0.008	0.010
Hydrolyzed PSDA	ND	ND	0.050	0.014	0.020
R-PSDCA	ND	ND	ND	0.0003	0.0004
NVHOS, Acid Form	ND	ND	ND	0.014	0.019
EVE Acid	ND	ND	0.01	0.001	0.001
Hydro-EVE Acid	ND	ND	ND	0.005	0.007
R-EVE	ND	ND	0.005	0.005	0.006
PES	ND	ND	ND	0.00004	0.00004
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	ND	0.39	0.16	2.8	3.6
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	ND	0.39	0.17	2.8	3.6
Total Table 3+ Mass Discharge (20 Compounds)⁷	ND	0.39	0.24	2.8	3.7

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.30	0.15	0.10	0.24	0.02
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021
Location ID	SEEP-A-IMP	SEEP-B-IMP	SEEP-C-EFF	SEEP-D2-B1	Lock-Dam Seep
Field Sample ID	CAP0321-SEEP-A-1-24-033021	CAP0321-SEEP-B-1-24-033021	CAP0321-SEEP-C-1-24-033021	CAP0321-SEEP-D2-B1-033021	CAP0321-LOCK-DAM-SEEP-032921
Sample Date and Time ²	3/30/2021	3/30/2021	3/30/2021	3/30/2021	3/29/2021
Sample Delivery Group (SDG)	320-72115-1	320-72115-1	320-72336-1	320-71976-1	320-72336-1
Lab Sample ID	320-72115-3	320-72115-4	320-72336-3	320-71976-4	320-72336-1
Sample Type	Composite	Composite	Composite	Grab	Grab
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>					
Hfpo Dimer Acid	0.25	0.17	0.00003	0.12	0.008
PFMOAA	0.74	0.5	0.0003	1.17	0.090
PFO2HxA	0.37	0.22	0.00005	0.32	0.026
PFO3OA	0.114	0.060	0.00001	0.099	0.011
PFO4DA	0.053	0.012	ND	0.016	0.002
PFO5DA	0.033	0.005	ND	ND	0.0001
PMPA	0.26	0.24	0.0001	0.070	0.007
PEPA	0.119	0.12	ND	0.026	0.002
PS Acid	0.021	0.022	ND	ND	ND
Hydro-PS Acid	0.012	0.008	ND	0.002	0.0002
R-PSDA	0.023	0.028	ND	0.011	0.001
Hydrolyzed PSDA	0.13	0.18	ND	0.015	0.001
R-PSDCA	0.0004	0.0005	ND	ND	0.00001
NVHOS, Acid Form	0.009	0.016	ND	0.014	0.001
EVE Acid	0.004	0.032	ND	ND	ND
Hydro-EVE Acid	0.010	0.014	ND	0.010	0.0001
R-EVE	0.012	0.020	ND	0.012	0.000
PES	0.0000	0.0001	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	2.0	1.4	0.0005	1.8	0.14
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	2.0	1.4	0.0005	1.8	0.14
Total Table 3+ Mass Discharge (20 Compounds)⁷	2.1	1.7	0.0005	1.9	0.15

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.42	2.4		
Instantaneous Flow (ft3/sec)	--	--		
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021		
Location ID	OLDOF-2	GBC-5		
Field Sample ID	CAP0321-OLDOF-2B-032921	CAP0321-GBC-5-032921		
Sample Date and Time ²	3/29/2021	3/29/2021		
Sample Delivery Group (SDG)	320-72051-1	320-72051-1		
Lab Sample ID	320-72051-4	320-72051-3		
Sample Type	Grab	Grab		
<i>Table 3+ Lab SOP Mass Discharge³ (mg/s)</i>				
Hfpo Dimer Acid	0.193	0.09	1.2	1.2
PFMOAA	1.06	ND	5.66	6.2
PFO2HxA	0.299	0.074	1.9	2.0
PFO3OA	0.087	ND	0.49	0.54
PFO4DA	0.034	ND	0.18	0.21
PFO5DA	0.022	ND	0.07	0.07
PMPA	0.112	0.13	0.9	1.0
PEPA	0.050	0.038	0.38	0.39
PS Acid	ND	ND	0.08	0.08
Hydro-PS Acid	0.010	ND	0.04	0.04
R-PSDA	0.011	ND	0.09	0.10
Hydrolyzed PSDA	0.019	ND	0.42	0.42
R-PSDCA	ND	ND	0.00	0.00
NVHOS, Acid Form	0.011	ND	0.07	0.07
EVE Acid	ND	ND	0.04	0.04
Hydro-EVE Acid	0.005	ND	0.04	0.05
R-EVE	0.005	ND	0.06	0.06
PES	ND	ND	0.00	0.00
PFECA B	ND	ND	0.00	0.00
PFECA-G	ND	ND	0.00	0.00
Total Attachment C Mass Discharge^{7,8}	1.87	0.33	10.8	11.7
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	1.87	0.33	10.9	11.8
Total Table 3+ Mass Discharge (20 Compounds)⁷	1.93	0.33	11.6	12.5

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge ⁵	Tar Heel Ferry Road Bridge	Tar Heel Ferry Road Bridge
Flow (MG)	--	8,290	8,290
Instantaneous Flow (ft3/sec)	14,000	--	--
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021	Tarheel Grab Sample Average
Location ID	TARHEEL	TARHEEL	TARHEEL
Field Sample ID	CAP0321-CFR-TARHEEL-032921	CAP0321-CFR-TARHEEL-21-033021	--
Sample Date and Time ²	3/29/2021	3/30/2021	3/29/2021 & 3/30/2021
Sample Delivery Group (SDG)	320-72172-1	320-71975-1	--
Lab Sample ID	320-72172-2	320-71975-4	--
Sample Type	Grab	Composite ¹⁰	Grab/Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>			
Hfpo Dimer Acid	1.3	1.1	1.2
PFMOAA	2.7	2.0	2.5
PFO2HxA	1.3	0.8	1.2
PFO3OA	ND	ND	ND
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	ND
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	1.2	2.6	1.1
Hydrolyzed PSDA	1.1	0.8	1.1
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge^{7,8}	5.6	4.0	4.5
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	5.6	4.0	4.5
Total Table 3+ Mass Discharge (20 Compounds)⁷	7.9	7.3	7.3

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MARCH 2021
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	--	--
Pathway Name	Bladen Bluff ⁵	Kings Bluff ⁵
Flow (MG)	--	--
Instantaneous Flow (ft3/sec)	14,000	14,200
Program	CAP SW Sampling Mar 2021	CAP SW Sampling Mar 2021
Location ID	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0321-CFR-BLADEN-032921	CAP0321-CFR-KINGS-033021
Sample Date and Time ²	3/29/2021	3/30/2021
Sample Delivery Group (SDG)	320-72336-1	320-71975-1
Lab Sample ID	320-72336-2	320-71975-1
Sample Type	Grab	Grab
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>		
Hfpo Dimer Acid	1.3	2.3
PFMOAA	2.9	5.2
PFO2HxA	1.5	1.9
PFO3OA	ND	ND
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	ND	ND
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	1.5
Hydrolyzed PSDA	1.7	2.7
R-PSDCA	ND	ND
NVHOS, Acid Form	ND	ND
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	ND
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge^{7,8}	5.6	9.7
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	5.6	9.7
Total Table 3+ Mass Discharge (20 Compounds)⁷	7.5	13.7

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

8 - Total Attachment C does not include Perfluorheptanoic acid (PFHpA).

9 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.

10 - Battery failure caused sampling to stop after 21 cycles (21 hours).

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

APPENDIX C

Field Forms

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-BLADEN	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL MATTHEW SCHEUER	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 14:15	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-BLADEN-012621	01-26-2021	14:25	6.52	61.87	165.00	31.56	61.87	9.85	Cloudy	Na	-	-

Sampling Data

Sampling Method: Peri Pump Grab	Tubing Depth (ft): 12.5	Distance to River Right: 18
Sampling Location: At intake	Multi Meter Used: In Situ Aqua Troll	Distance to River Left: 58.9
Total Depth to Bottom of Channel (ft): 15	Multi Meter ID: 766679	Distance to River (Right/Left) Units: m

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph):	7

Latitude: -
Longitude: -

GPS Location (if collected)

Blank area for notes or observations.

Blank area for notes or observations.

SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="CFR-KINGS"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="CHARLES PACE(MARK GUERRA)"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="01-28-2021"/>	Time: <input type="text" value="13:50"/>	General Comments: <input type="text" value=""/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-KINGS-012821	01-28-2021	14:10	6.56	11.03	77.10	25.66	60.85	8.12	Murky	No	-	-

Sampling Data

Sampling Method: <input type="text" value="Peri Pump Grab"/>	Tubing Depth (ft): <input type="text" value="10"/>	Distance to River Right: <input type="text" value="66.2"/>
Sampling Location: <input type="text" value="Thalweg"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>	Distance to River Left: <input type="text" value="40"/>
Total Depth to Bottom of Channel (ft): <input type="text" value="20"/>	Multi Meter ID: <input type="text" value="706751"/>	Distance to River (Right/Left) Units: <input type="text" value="m"/>

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	42.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	<input type="text" value="34.4070566"/>
Longitude:	<input type="text" value="-78.2950102"/>



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-RM-76	Project Manager: Tracy Ovbey
Samplers: JOHNNATHAN CAUDILL/MATT SCHEUER	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 09:45	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-RM-76-012621	01-26-2021	10:05	7.28	12.06	56.90	5.85	218.07	8.39	Cloudy	Na	-	

Sampling Data

Sampling Method: Peri Pump Grab	Tubing Depth (ft): 12	Distance to River Right: 26.7
Sampling Location: Thalweg	Multi Meter Used: Insitu Aqua Troll	Distance to River Left: 54.2
Total Depth to Bottom of Channel (ft): 24	Multi Meter ID: 766679	Distance to River (Right/Left) Units: m

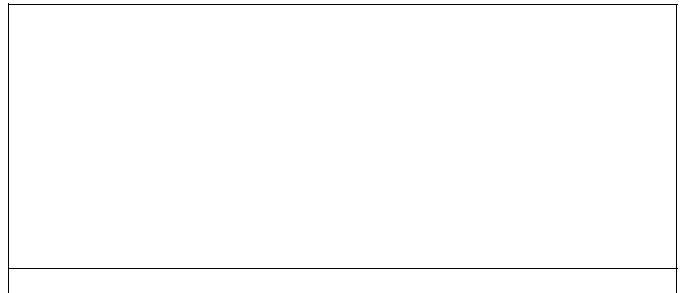
SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	5

Latitude: -
Longitude: -

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN GAUDILL MATT SCHEUER	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 14:40	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-TARHEEL-012621	01-26-2021	15:00	7.00	10.93	133.10	7.44	90.84	10.04	Cloudy	Na	-	

Sampling Data

Sampling Method: Bottle Grab	Tubing Depth (ft):	Distance to River Right: 56.6
Sampling Location: Thalweg	Multi Meter Used: In Situ Aqua Troll	Distance to River Left: 23.2
Total Depth to Bottom of Channel (ft):	Multi Meter ID: 766679	Distance to River (Right/Left) Units: m

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph):	7

Latitude: -
Longitude: -

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 1/27/2021	Time: 16:00	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-TARHEEL-24-012721	01-27-2021	15:10	7.00	10.93	133.10	7.44	90.84	10.04	Murky	No	-	

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 01-26-2021 16:10	Multi Meter ID: 766679
ISCO End Date and Time: 01-27-2021 15:10	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

Latitude:	-
Longitude:	-

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: GBC-1	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILLIMATT SCHEUER	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 13:10	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-GBC-1-012621	1/26/2021	13:55	5.15	10.21	145.20	4.59	97.93	11.09	Cloudy	Na	-	-

Sampling Data

Sampling Method: Bottle Grab	Tubing Depth (ft): -	Distance to River Right: 4
Sampling Location: Grab	Multi Meter Used: Insitu Aqua Troll	Distance to River Left: 22
Total Depth to Bottom of Channel (ft): 3	Multi Meter ID: 766679	Distance to River (Right/Left) Units: ft

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	47.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

Latitude: -
Longitude: -

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: Lock-Dam Seep	Project Manager: Tracy Ovbey
Samplers: CHARLES PACE CHRIS MCGINNESS	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 11:55	General Comments: Parameters missed on sample. Flow calculated using a five gallon bucket: 1.5 gallons in 2.47 seconds. Dimensions of stream: 0.9 ft wide, 0.3 ft deep.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAP0121-LOCK-DAM-SEEP-012621	01-26-2021	12:00	-	-	-	-	-	-	-	-	-	No field parameters were measured.

Sampling Data

Sampling Method: Bottle Grab

Multi Meter Used: -

Multi Meter ID: -

Flow Rate: 36.4

Flow Rate Units: gpm

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

Latitude: -

Longitude: -

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="Lock-Dam-Seep-North"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="CHARLES PACE CHRIS MCGINNESS"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="01-26-2021"/>	Time: <input type="text" value="12:30"/>	General Comments: <input type="text" value="No sample collected due to no flow. See photos."/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
-	-	-	-	-	-	-	-	-	-	-	-	-

Sampling Data

Sampling Method: <input type="text" value="-"/>	Multi Meter Used: <input type="text" value="-"/>	Flow Rate: <input type="text" value="-"/>
	Multi Meter ID: <input type="text" value="-"/>	Flow Rate Units: <input type="text" value="-"/>

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

Latitude:
 Longitude:

GPS Location (if collected)



RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-01

Well Diameter: 2 Inches

Samplers: CHRIS MCGINNESS|JOHNATHAN CAUDILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 18

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-28-2021

Time: 14:44

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =

Initial Depth to Water (ft.): 14.91

Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:05	15.10	150.00	1800.00	3.8	0.17	386.00	3.58	134.49	15.52	None	None	
15:10	15.10	150.00	750.00	3.79	0.13	390.10	2.83	134.53	15.29	None	None	
15:15	15.11	150.00	750.00	3.79	0.11	393.30	2.52	133.93	15.42	None	None	
15:20	15.12	150.00	750.00	3.81	0.10	394.90	0.87	133.23	15.42	None	None	
15:25	15.12	150.00	750.00	3.81	0.12	392.60	0.64	132.70	15.50	None	None	
15:30	15.11	150.00	750.00	3.81	0.12	393.10	0.86	132.69	15.50	None	None	
15:35	15.11	150.00	750.00	3.82	0.15	393.30	0.64	132.63	15.69	None	None	
15:40	15.10	150.00	750.00	3.82	0.17	392.60	0.64	132.17	15.39	None	None	
15:45	15.10	150.00	750.00	3.83	0.20	392.70	0.19	132.23	15.71	None	None	
15:50	15.10	150.00	750.00	3.83	0.23	390.70	0.17	132.08	15.74	None	None	
15:55	15.10	150.00	750.00	3.84	0.24	390.60	0.15	131.85	15.34	None	None	
16:00	15.10	150.00	750.00	3.84	0.24	390.60	0.17	132.19	15.83	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 01-28-2021

Time: 16:00

Purge Start Time:

14:53

Total Volume Purged (mL):

10050

Field Parameters

STABILIZED PARAMETERS	
pH	3.84
Spec. Cond.(µS/cm)	132.19
Turbidity (NTU)	0.17
Temp.(°C)	15.83
DO (mg/L)	0.24
ORP (mV)	390.60

Screen Interval:

11.0-26.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0121-LTW-01-012821

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	43.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-02

Well Diameter: 2 Inches

Samplers: MARK GUERRA|MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 33

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-27-2021

Time: 11:50

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	-
Initial Depth to Water (ft.):	9.04
Depth to Well Bottom (ft.):	-

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:04	9.14	320.00	1280.00	4.88	0.94	20.00	0.53	38.78	15.41	Clearish	Na	
12:09	9.16	320.00	1600.00	5.02	0.13	2.40	0.00	53.36	15.46	Clearish	Na	
12:14	9.16	320.00	1600.00	5.00	0.10	-3.40	0.00	54.49	15.26	Clearish	Na	
12:19	9.17	320.00	1600.00	5.00	0.08	-6.00	0.00	54.88	15.40	Clearish	Na	
12:24	9.16	320.00	1600.00	4.99	0.07	-8.70	0.02	55.10	15.76	Clearish	Na	
12:29	9.16	320.00	1600.00	5.00	0.07	-10.20	0.00	54.89	15.84	Clearish	Na	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-27-2021 Time: 12:35

Purge Start Time: 12:00

Field Filtered: No

Total Volume Purged (mL): 9280

Field Parameters

STABILIZED PARAMETERS	
pH	5.00
Spec. Cond. (µS/cm)	54.89
Turbidity (NTU)	0.00
Temp. (°C)	15.84
DO (mg/L)	0.07
ORP (mV)	-10.20

Screen Interval:

28.0-38.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HPFO-DA and PFHpA 537 MOD (HOLD)
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Sample ID: CAP0121-LTW-02-012721

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	4

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-03

Well Diameter: 2 Inches

Samplers: CHRIS MCGINNESS|JOHNATHAN CAUDILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 22

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-28-2021

Time: 11:33

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =

Initial Depth to Water (ft.): 10.71

Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:55	11.01	120.00	2160.00	4.61	1.37	146.30	0.20	88.75	15.17	Clear	None	
12:00	11.06	120.00	600.00	4.57	0.15	140.80	1.05	86.99	15.52	None	None	
12:05	11.10	120.00	600.00	4.57	0.12	137.90	0.00	75.36	15.56	None	None	
12:10	11.13	120.00	600.00	4.58	0.10	135.00	0.02	73.74	15.56	None	None	
12:15	11.15	120.00	600.00	4.57	0.09	129.20	0.01	64.22	15.63	None	None	
12:20	11.17	120.00	600.00	4.56	0.08	131.60	0.00	82.70	15.81	None	None	
12:25	11.19	120.00	600.00	4.56	0.08	120.90	0.02	80.12	15.79	None	None	
12:30	11.21	120.00	600.00	4.55	0.08	117.10	0.00	79.64	15.84	None	None	
12:35	11.22	120.00	600.00	4.55	0.07	115.60	0.02	89.89	15.71	None	None	
12:40	11.23	120.00	600.00	4.55	0.16	115.10	0.01	86.09	15.70	None	None	
12:45	11.24	120.00	600.00	4.55	0.16	114.60	0.02	82.50	15.88	None	None	
12:50	11.25	120.00	600.00	4.55	0.16	113.90	0.02	88.34	15.90	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 01-28-2021

Time: 12:50

Purge Start Time: 11:37

Total Volume Purged (mL): 8760

Field Parameters

STABILIZED PARAMETERS	
pH	4.55
Spec. Cond.(µS/cm)	88.34
Turbidity (NTU)	0.02
Temp.(°C)	15.90
DO (mg/L)	0.16
ORP (mV)	113.90

Screen Interval:

15.0-30.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-LTW-03-012821

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	39.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-04

Well Diameter: 2 Inches

Samplers: LUKE TART|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 24

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-19-2021

Time: 11:08

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	3.437
Initial Depth to Water (ft.):	7.01
Depth to Well Bottom (ft.):	28.49

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:25	7.99	200.00	1000.00	4.67	1.13	141.50	26.76	103.79	15.65	Clear	None	
11:30	8.91	200.00	1000.00	4.48	0.82	254.60	25.00	101.55	16.08	Clear	None	
11:35	9.75	200.00	1000.00	4.33	0.75	321.80	19.00	99.76	15.97	Clear	None	
11:40	10.49	200.00	1000.00	4.25	0.93	324.80	18.93	98.13	16.33	Clear	None	
11:45	10.96	200.00	1000.00	4.26	0.83	308.00	16.76	96.96	16.39	Clear	None	
11:50	11.43	200.00	1000.00	4.29	0.75	300.80	15.00	94.51	16.30	Clear	None	
11:55	11.79	200.00	1000.00	4.3	0.74	296.20	10.74	93.23	16.44	Clear	None	
12:00	12.14	200.00	1000.00	4.35	0.60	287.80	7.07	91.81	16.67	Clear	None	
12:05	12.37	200.00	1000.00	4.37	0.45	282.80	9.04	91.50	16.75	Clear	None	
12:10	12.53	200.00	1000.00	4.39	0.41	282.20	7.32	90.58	16.69	Clear	None	
12:15	12.71	200.00	1000.00	4.43	0.35	279.50	6.53	90.57	16.83	Clear	None	
12:20	12.83	200.00	1000.00	4.42	0.31	279.60	6.70	88.87	16.67	Clear	None	
12:25	12.94	200.00	1000.00	4.44	0.32	277.30	5.77	89.17	16.78	Clear	None	
12:30	13.04	200.00	1000.00	4.5	0.29	273.20	3.97	89.45	16.90	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 01-19-2021

Time: 12:35

Purge Start Time: 11:20

Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	89.45
Turbidity (NTU)	3.97
Temp.(°C)	16.90
DO (mg/L)	0.29
ORP (mV)	273.20

Screen Interval:

12.0-27.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-LTW-04-011921

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	34.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-05

Well Diameter: 2 Inches

Samplers: LUKE TART/MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 36

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-19-2021

Time: 14:10

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	6.17
Initial Depth to Water (ft.):	8.7
Depth to Well Bottom (ft.):	47.26

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:30	8.77	200.00	1000.00	4.37	0.43	201.20	23.81	110.65	16.98	Clear	None	
14:35	8.75	150.00	750.00	4.37	0.17	150.00	38.77	110.87	16.84	Cloudy	None	
14:40	8.75	150.00	750.00	4.36	0.13	130.10	54.07	111.29	16.81	Cloudy	None	
14:45	8.75	150.00	750.00	4.36	0.12	121.50	37.66	111.27	16.85	Cloudy	None	
14:50	8.75	150.00	750.00	4.36	0.10	106.30	45.51	111.35	16.88	Cloudy	None	
14:55	8.75	150.00	750.00	4.36	0.10	103.30	47.01	111.41	16.67	Cloudy	None	
15:00	8.75	150.00	750.00	4.36	0.09	98.30	34.73	111.42	16.82	Cloudy	None	
15:05	8.75	150.00	750.00	4.36	0.08	90.60	44.11	111.21	16.68	Cloudy	None	
15:10	8.75	150.00	750.00	4.38	0.08	81.80	60.91	110.71	16.66	Cloudy	None	
15:15	8.75	150.00	750.00	4.41	0.08	76.70	62.63	110.03	16.65	Cloudy	None	
15:20	8.75	150.00	750.00	4.4	0.08	73.80	36.51	110.04	16.61	Cloudy	None	
15:25	8.75	150.00	750.00	4.39	0.08	69.50	40.22	110.28	16.54	Cloudy	None	
15:30	8.75	150.00	750.00	4.39	0.07	66.30	29.96	110.22	16.55	Clear	None	
15:35	8.75	150.00	750.00	4.39	0.07	60.90	27.27	110.27	16.38	Clear	None	
15:40	8.75	150.00	750.00	4.39	0.07	59.70	22.29	110.44	16.49	Clear	None	
15:45	8.75	150.00	750.00	4.38	0.07	58.50	15.44	110.72	16.53	Clear	None	
15:50	8.75	150.00	750.00	4.37	0.07	56.90	9.32	110.86	16.48	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-19-2021 Time: 15:55

Purge Start Time: 14:25

Total Volume Purged (mL): 13750

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.37
Spec. Cond.(µS/cm)	110.86
Turbidity (NTU)	9.32
Temp.(°C)	16.48
DO (mg/L)	0.07
ORP (mV)	56.90

Screen Interval:

29.0-44.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-LTW-05-011921

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: OLDOF-1	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER CHARLES PACE CHRIS MCGINNESS	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 10:51	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-OLDOF-1-012721	01-27-2021	13:00	5.47	9.66	249.40	176.25	207.40	10.89	Brown	No	-	ISCO sample location was inundated with river water sometime on 1/27/2021. Due to this a grab sample was collected in place of the composite.

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 706720	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

Latitude:	-
Longitude:	-

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	LUKE TARTI	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	1/27/2021	Time:	15:10	General Comments:	

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-OUTFALL-002-24-012721	01-27-2021	07:48	6.80	10.11	91.30	16.61	122.42	12.82	Clear	No	-	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2021 08:48	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2021 07:48		

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	-
Longitude:	-

GPS Location (if collected)

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-1D

Well Diameter: 2 Inches

Samplers: MARK GUERRA|MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 29

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-27-2021

Time: 12:50

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	2.429
Initial Depth to Water (ft.):	16.57
Depth to Well Bottom (ft.):	31.75

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:23	16.58	200.00	0.00	3.64	0.24	386.10	167.01	180.02	15.84	Clear	None	
13:28	16.57	200.00	1000.00	3.64	0.18	389.20	65.26	179.42	15.67	Clear	None	
13:33	16.57	200.00	1000.00	3.64	0.15	389.90	42.97	178.98	15.51	Clear	None	
13:38	16.57	200.00	1000.00	3.64	0.15	386.40	26.00	178.64	15.58	Clear	None	
13:43	16.57	200.00	1000.00	3.64	0.14	385.60	11.18	178.34	15.61	Clear	None	
13:48	16.57	200.00	1000.00	3.64	0.13	384.30	9.02	178.14	15.65	Clear	None	
13:53	16.55	200.00	1000.00	3.64	0.12	384.90	4.36	178.31	15.97	Clear	None	
13:58	16.55	200.00	1000.00	3.64	0.12	385.60	0.79	178.04	15.94	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-27-2021

Time: 14:00

Purge Start Time: 13:23

Field Filtered: No

Total Volume Purged (mL): 7000.00

Field Parameters

STABILIZED PARAMETERS	
pH	3.64
Spec. Cond. (µS/cm)	178.04
Turbidity (NTU)	0.79
Temp. (°C)	15.94
DO (mg/L)	0.12
ORP (mV)	385.60

Screen Interval:

24.5 to 29.5

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0121-PIW-1D-012721

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	1

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-1S

Well Diameter: 2 Inches

Samplers: MARK GUERRA|MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data
 Pump Depth: 21
 Pump Loc: within screen
 Method: Peristaltic Pump Date: 01-27-2021 Time: 13:00

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	0.341		
Initial Depth to Water (ft.):	19.81	Depth to Well Bottom (ft.):	21.94

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:35	20.10	150.00	1200.00	4.13	2.63	80.80	227.39	169.78	15.79	Cloudy	Na	
13:40	20.21	100.00	500.00	4.13	32.58	105.60	162.14	170.11	15.85	Cloudyish	Na	
13:45	20.24	100.00	500.00	4.12	2.31	108.30	24.70	168.87	15.64	Cloudyish	Na	
13:50	20.28	100.00	500.00	4.11	2.22	111.10	2.31	169.83	15.21	Clearish	Na	
13:55	20.28	100.00	500.00	4.1	2.22	111.40	0.52	174.07	15.48	Clearish	Na	

Sampling Data
 Zero HS: []
 Method: Low Flow Date: 01-27-2021 Time: 14:02
 Field Filtered: No Purge Start Time: 13:27
 Total Volume Purged (mL): 3200

Field Parameters

STABILIZED PARAMETERS	
pH	4.10
Spec. Cond.(µS/cm)	174.07
Turbidity (NTU)	0.52
Temp.(°C)	15.48
DO (mg/L)	2.22
ORP (mV)	111.40

Screen Interval:

7.8 - 17.8

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-PIW-1S-012721
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD)Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	46.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-3D

Well Diameter: 2 Inches

Samplers: CHRIS MCGINNESS|JOHNATHAN CAUDILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 21

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-29-2021

Time: 10:39

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	-	
Initial Depth to Water (ft.):	14.7	Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:55	14.82	110.00	1430.00	4.89	0.17	-68.10	6.15	76.38	15.06	None	None	
11:00	14.84	110.00	550.00	4.93	0.12	-60.80	4.74	75.33	15.35	None	None	
11:05	14.86	110.00	550.00	4.78	0.09	-38.30	0.73	75.60	15.59	None	None	
11:10	14.86	110.00	550.00	4.74	0.08	-21.30	0.00	75.52	15.92	None	None	
11:15	14.85	110.00	550.00	4.70	0.08	-56.00	0.00	75.96	15.87	None	None	
11:20	14.84	110.00	550.00	4.70	0.07	0.90	0.00	73.32	16.11	None	None	
11:25	14.84	110.00	550.00	4.69	0.08	10.40	0.00	73.45	16.10	None	None	
11:30	14.84	110.00	550.00	4.68	0.08	11.40	0.00	72.82	16.28	None	None	
11:35	14.83	110.00	550.00	4.69	0.07	14.30	0.00	72.26	16.23	None	None	
11:36	14.82	110.00	110.00	4.67	0.08	12.20	0.00	72.39	16.29	None	None	
11:45	14.81	110.00	990.00	4.69	0.08	13.20	0.00	72.27	16.22	None	None	
11:50	14.81	110.00	550.00	4.67	0.08	9.10	0.00	72.25	16.35	None	None	
11:55	14.80	110.00	550.00	4.66	0.08	9.40	0.00	72.14	16.39	None	None	
12:00	14.79	110.00	550.00	4.66	0.08	9.40	0.00	71.67	16.26	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-29-2021

Time: 12:00

Purge Start Time: 10:42

Total Volume Purged (mL): 8580

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.66
Spec. Cond.(µS/cm)	71.67
Turbidity (NTU)	0.00
Temp.(°C)	16.26
DO (mg/L)	0.08
ORP (mV)	9.40

Screen Interval:

19 - 24

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-PIW-3D-012921

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	34.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-7D

Well Diameter: 2 Inches

Samplers: MARK GUERRA|MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 31.5

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-27-2021

Time: 09:45

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =		
Initial Depth to Water (ft.):	4.98	Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:08	5.03	200.00	800.00	4.22	0.21	140.20	25.29	76.04	15.31	Clearish	Na	
10:13	5.04	200.00	1000.00	4.29	0.09	71.90	6.16	72.95	15.52	Clearish	Na	
10:18	5.04	200.00	1000.00	4.28	0.06	39.00	3.32	73.96	15.49	Clearish	Na	
10:23	5.04	200.00	1000.00	4.3	0.05	29.30	0.77	73.15	15.49	Clearish	Na	
10:28	5.04	200.00	1000.00	4.29	0.05	19.10	0.00	73.99	15.57	Clearish	Na	
10:33	5.04	200.00	1000.00	4.28	0.04	16.80	0.01	74.57	15.50	Clearish	Na	
10:38	5.04	200.00	1000.00	4.28	0.04	11.70	0.00	74.50	15.63	Clearish	Na	
10:43	5.04	200.00	1000.00	4.29	0.04	7.90	0.00	74.73	15.48	Clearish	Na	
10:48	5.04	200.00	1000.00	4.29	0.04	2.70	0.00	74.38	15.65	Clearish	Na	
10:53	5.04	200.00	1000.00	4.29	0.04	0.70	0.00	75.16	15.60	Clearish	Na	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-27-2021 Time: 10:55

Purge Start Time: 10:04

Field Filtered: No

Total Volume Purged (mL): 9800.00

Field Parameters

STABILIZED PARAMETERS	
pH	4.29
Spec. Cond. (µS/cm)	75.16
Turbidity (NTU)	0.00
Temp. (°C)	15.60
DO (mg/L)	0.04
ORP (mV)	0.70

Screen Interval:

29 - 34

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-PIW-7D-012721
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HPFO-DA and PFHpA|537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-7S

Well Diameter: 2 Inches

Samplers: MARK GUERRA|MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 12

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-27-2021

Time: 09:45

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	2.491
Initial Depth to Water (ft.):	4.7
Depth to Well Bottom (ft.):	20.27

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:32	4.99	200.00	2400.00	4.21	0.17	311.00	7.87	136.87	14.17	Clear	None	
10:37	5.00	200.00	1000.00	4.29	0.15	308.40	15.86	135.80	14.50	Clear	None	
10:42	5.01	200.00	1000.00	4.36	0.15	302.70	12.46	133.83	14.24	Clear	None	
10:47	5.01	200.00	1000.00	4.44	0.14	297.80	9.90	132.57	14.42	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-27-2021

Time: 10:48

Purge Start Time: 10:20

Total Volume Purged (mL): 5400.00

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.44
Spec. Cond.(µS/cm)	132.57
Turbidity (NTU)	9.90
Temp.(°C)	14.42
DO (mg/L)	0.14
ORP (mV)	297.80

Screen Interval:

7 - 17

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-PIW-7S-012721

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	52.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	1

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-04

Well Diameter: 2 Inches

Samplers: JOHNATHAN CAUDILL/ LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 25

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-18-2021

Time: 13:45

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.114
Initial Depth to Water (ft.):	23.85
Depth to Well Bottom (ft.):	30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:05	24.81	200.00	1000.00	3.71	0.40	199.10	1.99	190.46	17.77	Clear	None	
14:10	25.72	120.00	600.00	3.72	0.20	204.80	2.27	190.98	16.93	Clear	None	Flow rate changed to combat dropping water level. Tubing depth dropped to foot from bottom to allow more time to purge before water level reached tubing depth.
14:15	25.65	120.00	600.00	3.74	1.91	210.00	170.60	270.22	15.63	Cloudy	None	
14:20	25.70	120.00	600.00	3.74	0.61	206.70	75.77	254.93	16.16	Cloudy	None	
14:25	25.82	120.00	600.00	3.75	0.39	205.60	59.10	242.77	16.14	Cloudy	None	
14:30	26.10	120.00	600.00	3.75	0.21	206.90	19.48	217.51	16.31	Clear	None	
14:35	26.45	120.00	600.00	3.75	0.17	208.70	11.37	213.11	16.29	Clear	None	
14:40	26.67	120.00	600.00	3.75	0.14	203.40	4.19	211.96	16.41	Clear	None	
14:45	26.86	120.00	600.00	3.76	0.13	199.00	2.76	212.83	16.25	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-18-2021

Time: 14:50

Purge Start Time: 14:00

Field Filtered: No

Total Volume Purged (mL): 5920

Field Parameters

STABILIZED PARAMETERS	
pH	3.76
Spec. Cond. (µS/cm)	212.83
Turbidity (NTU)	2.76
Temp. (°C)	16.25
DO (mg/L)	0.13
ORP (mV)	199.00

Screen Interval:

17 - 27

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID: CAP0121-PW-04-011821
 DuplicateID: -
 QA/QC: -

WEATHER CONDITIONS

Temperature (F):	49.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-06

Well Diameter: 2 Inches

Samplers: JOHNATHAN CAUDILL/ LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump

Date: 1/18/2021

Time: 12:13

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	2.33
Initial Depth to Water (ft.):	18.22
Depth to Well Bottom (ft.):	32.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:30	19.04	220.00	1100.00	4.81	2.54	143.60	1.58	47.93	16.93	Clear	None	
12:35	19.11	220.00	1100.00	4.74	2.63	141.10	1.66	48.75	16.79	Clear	None	
12:40	19.12	220.00	1100.00	4.69	2.37	136.50	1.22	49.33	16.94	Clear	None	
12:45	19.12	220.00	1100.00	4.65	2.07	122.50	0.66	51.48	16.90	Clear	None	
12:50	19.12	220.00	1100.00	4.58	2.10	111.80	0.51	52.67	16.90	Clear	None	
12:55	19.12	220.00	1100.00	4.5	2.47	107.20	0.44	54.91	16.87	Clear	None	
13:00	19.12	220.00	1100.00	4.53	2.40	106.10	0.30	53.91	16.90	Clear	None	
13:05	19.12	220.00	1100.00	4.55	2.40	107.30	0.59	52.75	16.94	Clear	None	
13:10	19.12	220.00	1100.00	4.53	2.30	104.40	0.51	53.29	16.87	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-18-2021

Time: 13:15

Purge Start Time: 12:25

Total Volume Purged (mL): 9900

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.53
Spec. Cond.(µS/cm)	53.29
Turbidity (NTU)	0.51
Temp.(°C)	16.87
DO (mg/L)	2.30
ORP (mV)	104.40

Screen Interval:

19 - 29

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0121-PW-06-011821

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-07

Well Diameter: 2 Inches

Samplers: JOHNATHAN CAUDILL/ LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 36

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-18-2021

Time: 10:45

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.762
Initial Depth to Water (ft.):	30.76
Depth to Well Bottom (ft.):	41.77

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:15	30.83	150.00	750.00	5.23	6.08	90.30	0.21	38.50	17.72	Clear	None	
11:20	30.83	150.00	750.00	4.83	6.14	116.00	0.64	32.08	18.12	Clear	None	
11:25	30.83	150.00	750.00	4.8	6.22	122.80	0.26	31.28	18.16	Clear	None	
11:30	30.83	150.00	750.00	4.77	6.34	130.40	0.53	30.43	18.41	Clear	None	
11:35	30.83	150.00	750.00	4.75	6.35	135.10	0.22	30.76	18.28	Clear	None	
11:40	30.83	150.00	750.00	4.75	6.32	138.60	0.43	30.57	18.26	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-18-2021

Time: 11:45

Purge Start Time: 11:10

Total Volume Purged (mL): 5250

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.75
Spec. Cond. (µS/cm)	30.57
Turbidity (NTU)	0.43
Temp. (°C)	18.26
DO (mg/L)	6.32
ORP (mV)	138.60

Screen Interval:

28 - 38

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID: CAP0121-PW-07-011821

Duplicate ID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

 Site Name:

 Well ID:

 Well Diameter: Inches

 Samplers:

 Event:

 Project Manager:
Purging Data

 Pump Depth:

 Pump Loc:

 Method:

 Date:

 Time:
WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	5.363
Initial Depth to Water (ft.):	24.19
Depth to Well Bottom (ft.):	57.71

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:35	24.94	100.00	500.00	11.45	0.64	37.80	9.54	725.45	15.12	Clear	None	
11:40	25.39	100.00	500.00	11.56	0.41	27.60	7.38	729.12	15.17	Clear	None	
11:45	25.67	100.00	500.00	11.61	0.32	17.10	5.12	751.55	15.06	Clear	None	
11:50	25.89	100.00	500.00	11.64	0.28	9.50	4.45	796.43	15.37	Clear	None	
11:55	26.03	100.00	500.00	11.7	0.24	-2.80	3.10	852.85	15.18	Clear	None	
12:00	26.11	100.00	500.00	11.73	0.23	-13.20	1.79	902.27	15.34	Clear	None	
12:05	26.21	100.00	500.00	11.76	0.22	-27.80	2.42	965.82	15.44	Clear	None	
12:10	26.24	100.00	500.00	11.77	0.21	-44.10	7.76	917.26	15.27	Clear	None	
12:15	26.27	100.00	500.00	11.73	0.20	-61.90	18.30	779.55	15.35	Clear	None	
12:20	26.29	100.00	500.00	11.67	0.19	-77.40	21.66	701.94	15.62	Clear	None	
12:25	26.28	100.00	500.00	11.61	0.20	-89.40	28.82	641.80	15.67	Clear	No	
12:30	26.27	100.00	500.00	11.56	0.19	-103.50	37.69	539.66	15.72	Clear	None	
12:35	26.29	100.00	500.00	11.51	0.19	-106.60	44.09	513.63	15.66	Cloudy	None	Empty flow through cell to clean meter before next reading.
12:40	26.29	100.00	500.00	11.32	1.36	-64.60	33.09	440.98	15.46	Clear	None	
12:45	26.30	100.00	500.00	11.3	0.27	-91.30	39.71	384.20	15.59	Clear	None	Changing flow rate to pump five well volumes.
12:50	26.68	190.00	950.00	11.35	0.22	-119.50	34.55	431.92	16.25	Clear	None	
12:55	27.34	240.00	1200.00	11.37	0.12	-140.80	33.10	432.41	16.64	Clear	None	
13:00	27.85	250.00	1250.00	11.13	0.11	-147.70	38.84	317.11	16.50	Clear	None	
13:05	28.10	250.00	1250.00	10.85	0.10	-147.70	44.52	254.90	16.44	Clear	None	
13:10	28.21	250.00	1250.00	10.6	0.09	-148.50	60.38	224.52	16.52	Cloudy	None	
13:15	28.25	250.00	1250.00	10.41	0.10	-147.60	70.95	194.21	16.50	Cloudy	None	
13:20	28.24	250.00	1250.00	10.13	0.09	-144.10	67.33	175.80	16.48	Cloudy	None	
13:25	28.24	250.00	1250.00	10.12	0.09	-147.90	76.16	173.20	16.53	Cloudy	None	
13:30	28.24	250.00	1250.00	10.21	0.08	-155.80	74.90	178.20	16.46	Cloudy	None	
13:35	28.24	250.00	1250.00	10.15	0.08	-160.20	89.66	172.78	16.50	Cloudy	None	
13:40	28.23	250.00	1250.00	10.07	0.08	-164.60	93.04	163.83	16.61	Cloudy	None	Stop sampling and pack up for day. Will return at later date.

Sampling Data

 Zero HS:

 Method:

 Date: -

 Time:

 Purge Start Time:

 Total Volume Purged (mL):

 Field Filtered:
Field Parameters

STABILIZED PARAMETERS	
pH	10.07
Spec. Cond.(µS/cm)	163.83
Turbidity (NTU)	93.04
Temp.(°C)	16.61
DO (mg/L)	0.08
ORP (mV)	-164.60

Screen Interval:

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

ALL PARAMETERS ANALYZED

 Sample ID:

 DuplicateID:

 QA/QC:
WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Well ID: Well Diameter: Inches
 Samplers: Event: Project Manager:

Purging Data
 Pump Depth:
 Pump Loc:
 Method: Date: Time:

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	5.349		
Initial Depth to Water (ft.):	24.27	Depth to Well Bottom (ft.):	57.70

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:55	25.00	200.00	1000.00	11.35	0.60	-165.40	24.48	635.62	16.32	Clear	None	
10:00	26.00	200.00	1000.00	11.42	0.26	-176.10	23.03	510.30	16.61	Clear	None	
10:05	26.67	200.00	1000.00	11.46	0.17	-170.30	30.25	548.32	16.64	Clear	None	
10:10	26.93	200.00	1000.00	11.48	0.15	-174.90	24.33	550.05	16.65	Clear	None	
10:15	27.15	200.00	1000.00	11.44	0.17	-173.20	36.69	415.99	16.64	Clear	None	
10:20	27.25	200.00	1000.00	10.67	0.14	-178.10	83.29	229.59	16.67	Cloudy	None	
10:25	27.32	200.00	1000.00	10.30	0.14	-177.30	88.89	192.11	16.70	Cloudy	None	
10:30	27.32	200.00	1000.00	9.96	0.13	-170.40	247.66	170.96	16.68	Cloudy	None	
10:35	27.32	200.00	1000.00	9.78	0.11	-166.60	335.70	159.31	16.65	Cloudy	None	
10:40	27.32	200.00	1000.00	9.66	0.12	-172.10	335.13	152.32	16.65	Cloudy	None	
10:45	27.32	200.00	1000.00	9.55	0.14	-180.10	292.03	146.54	16.63	Cloudy	None	
10:50	27.32	200.00	1000.00	9.49	0.10	-182.30	273.49	142.92	16.66	Cloudy	None	
10:55	27.32	200.00	1000.00	9.39	0.06	-195.30	190.61	137.83	16.92	Cloudy	None	Increasing flow rate to pump five well volumes
11:00	27.75	350.00	1750.00	9.96	0.03	-243.60	222.20	143.47	16.98	Cloudy	None	
11:05	28.36	350.00	1750.00	9.64	0.03	-250.20	182.46	135.59	16.98	Cloudy	None	
11:10	28.58	350.00	1750.00	9.34	0.03	-261.80	221.18	129.28	16.98	Cloudy	None	
11:15	28.64	350.00	1750.00	9.29	0.03	-261.90	225.97	128.73	16.95	Cloudy	None	
11:20	28.68	350.00	1750.00	9.12	0.03	-268.60	195.94	124.93	17.00	Cloudy	None	
11:25	28.68	350.00	1400.00	8.97	0.03	-270.70	187.62	122.43	16.92	Cloudy	None	
11:30	28.68	350.00	1750.00	8.93	0.03	-267.30	143.76	126.27	16.94	Cloudy	None	
11:35	28.67	350.00	1750.00	8.90	0.03	-275.20	125.67	120.76	16.95	Cloudy	None	
11:40	28.67	350.00	1750.00	8.74	0.03	-269.30	127.23	119.30	16.94	Cloudy	None	
11:45	28.67	350.00	1750.00	8.68	0.03	-273.20	135.41	116.87	16.93	Cloudy	None	
11:50	28.67	350.00	1750.00	8.62	0.03	-269.60	110.57	115.94	16.97	Cloudy	None	
11:55	28.68	350.00	1750.00	8.60	0.03	-270.10	111.17	115.85	16.94	Cloudy	None	Starting new form to continue sampling due to too much data slowing down form.

Sampling Data
 Zero HS: Purge Start Time:
 Method: Date: Time:
 Field Filtered: Total Volume Purged (mL):

Field Parameters

STABILIZED PARAMETERS	
pH	8.60
Spec. Cond.(µS/cm)	115.85
Turbidity (NTU)	111.17
Temp.(°C)	16.94
DO (mg/L)	0.03
ORP (mV)	-270.10

Screen Interval:

44 - 54

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Sample ID:
 Duplicate ID:
 QA/QC:

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy

Precipitation:

Rain

Wind (mph)

2

RECORD OF WELL SAMPLING

 Site Name:

 Well ID:

 Well Diameter: Inches

 Samplers:

 Event:

 Project Manager:
Purging Data

 Pump Depth:

 Pump Loc:

 Method:

 Date:

 Time:
WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	5.349
Initial Depth to Water (ft.):	24.27
Depth to Well Bottom (ft.):	57.70

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:55	-	200.00	13000.00	-	-	-	-	-	-	-	-	Continuation of previous form. Time representative of time laps of using 200 mL a minute.
11:55	-	350.00	21000.00	-	-	-	-	-	-	-	-	Time lapse from last form to include time of pumping at flow rate 350 mL per minute.
12:00	28.67	350.00	1750.00	8.6	0.03	-270.40	113.60	115.16	16.99	Cloudy	None	
12:05	28.67	350.00	1750.00	8.49	0.03	-262.10	108.38	113.82	17.00	Cloudy	None	
12:10	28.67	350.00	1750.00	8.5	0.03	-261.30	96.11	113.55	17.01	Cloudy	None	
12:15	28.68	350.00	1750.00	8.4	0.03	-254.50	96.03	112.51	16.95	Cloudy	None	
12:20	28.68	350.00	1750.00	8.38	0.03	-253.20	88.73	111.88	16.95	Cloudy	None	
12:25	28.67	350.00	1750.00	8.36	0.03	-251.30	78.65	111.82	16.94	Cloudy	None	
12:30	28.68	350.00	1750.00	8.3	0.03	-249.80	69.90	111.51	16.95	Cloudy	None	
12:35	28.67	350.00	1750.00	8.25	0.03	-241.80	80.38	110.14	16.98	Cloudy	None	
12:40	28.67	350.00	1750.00	8.17	0.03	-241.00	81.85	109.77	17.02	Cloudy	None	
12:45	28.67	350.00	1750.00	8.14	0.03	-236.80	69.09	108.82	16.97	Cloudy	None	
12:50	28.67	350.00	1750.00	8.1	0.03	-234.10	78.08	108.69	17.03	Cloudy	None	
12:55	28.67	350.00	1750.00	8.07	0.03	-233.90	70.30	108.31	17.02	Cloudy	None	
13:00	28.62	350.00	1750.00	8.01	0.03	-231.90	79.60	107.51	17.02	Cloudy	None	
13:05	28.60	350.00	1750.00	7.99	0.03	-228.40	88.61	107.24	17.00	Cloudy	None	
13:10	28.60	350.00	1750.00	8	0.03	-228.80	69.65	107.13	17.00	Cloudy	None	
13:15	28.60	350.00	1750.00	7.9	0.03	-223.00	63.60	108.01	17.01	Cloudy	None	
13:20	28.60	350.00	1750.00	7.87	0.03	-222.00	59.92	105.92	17.00	Cloudy	None	
13:25	28.60	350.00	1750.00	7.88	0.03	106.38	58.20	106.38	17.00	Cloudy	None	
13:30	28.60	350.00	1750.00	7.77	0.03	-217.90	59.11	105.09	16.95	Murky	None	
13:35	28.55	350.00	1750.00	7.76	0.03	-217.00	65.11	104.51	16.94	Murky	None	
13:40	28.55	350.00	1750.00	7.74	0.03	-216.90	54.67	103.99	16.91	Murky	None	
13:45	28.55	350.00	1750.00	7.69	0.03	-213.30	66.00	103.48	16.93	Murky	None	
13:55	28.55	350.00	3500.00	7.65	0.03	-213.80	54.23	103.80	16.95	Murky	None	
14:00	28.55	350.00	1750.00	7.65	0.03	-213.00	58.40	102.87	16.98	Murky	None	
14:05	28.55	350.00	1750.00	7.6	0.03	-211.00	54.47	102.07	16.99	Murky	None	
14:10	28.55	350.00	1750.00	7.58	0.03	-209.30	47.70	101.88	16.99	Murky	None	
14:15	28.55	350.00	1750.00	7.62	0.03	-212.30	48.07	101.70	17.03	Murky	None	
14:20	28.55	350.00	1750.00	7.56	0.03	-209.50	47.80	101.49	16.99	Murky	None	
14:25	28.55	350.00	1750.00	7.56	0.03	-209.60	45.23	100.93	17.00	Murky	None	
14:30	28.55	350.00	1750.00	7.54	0.03	-209.10	48.18	100.89	16.97	Murky	None	
14:35	28.55	350.00	1750.00	7.52	0.03	-207.30	50.88	100.13	16.98	Murky	None	
14:40	28.52	350.00	1750.00	7.51	0.03	-208.70	52.17	100.29	16.99	Murky	None	
14:45	28.52	350.00	1750.00	7.53	0.03	-211.50	49.55	100.37	17.01	Murky	None	
14:50	28.52	350.00	1750.00	7.49	0.03	-208.40	53.82	100.04	16.97	Murky	None	
14:55	28.52	350.00	1750.00	7.5	0.03	-209.30	50.90	99.96	17.03	Murky	None	
15:00	28.52	350.00	1750.00	7.45	0.03	-206.80	50.82	99.70	16.98	Murky	None	
15:05	28.52	350.00	1750.00	7.45	0.03	-207.50	55.73	99.32	17.03	Murky	None	
15:10	28.52	350.00	1750.00	7.45	0.03	-207.40	48.64	99.02	16.99	Murky	None	

Sampling Data

 Zero HS:

 Method:

 Date:

 Time:

 Purge Start Time:

 Total Volume Purged (mL):

 Field Filtered:
Field Parameters

STABILIZED PARAMETERS	
pH	7.45

SAMPLE SET			
Parameter	Bottle	Pres.	Method

Spec. Cond. (µS/cm)	99.02
Turbidity (NTU)	48.64
Temp. (°C)	16.99
DO (mg/L)	0.03
ORP (mV)	-207.40

Screen Interval:

44 - 54

PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-PW-09-012721-Z

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PZ-22

Well Diameter: 0.75 Inches

Samplers: LUKE TART|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 48

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-19-2021

Time: 12:43

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	0.395
Initial Depth to Water (ft.):	6.9
Depth to Well Bottom (ft.):	50.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:00	-	210.00	1050.00	4.28	2.73	290.80	720.45	112.90	16.39	Murky	None	Water level cannot be taken while tubing is in well due to well diameter.
13:05	-	150.00	750.00	4.51	0.20	250.50	47.10	108.50	16.29	Cloudy	None	
13:10	-	150.00	750.00	4.50	0.15	236.90	19.43	108.12	16.16	Clear	None	
13:15	-	150.00	750.00	4.49	0.13	228.40	9.09	107.92	16.29	Clear	None	
13:20	-	150.00	750.00	4.50	0.12	211.90	5.13	107.54	16.32	Clear	None	
13:25	-	150.00	750.00	4.49	0.12	201.40	2.46	107.16	16.25	Clear	None	
13:30	-	150.00	750.00	4.49	0.10	187.20	3.18	106.91	16.33	Clear	None	
13:35	-	150.00	750.00	4.49	0.10	176.90	1.25	106.71	16.44	Clear	None	
13:40	-	150.00	750.00	4.50	0.10	169.20	0.74	106.51	16.34	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 01-19-2021

Time: 13:45

Purge Start Time: 12:55

Total Volume Purged (mL): 7800

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	106.51
Turbidity (NTU)	0.74
Temp.(°C)	16.34
DO (mg/L)	0.10
ORP (mV)	169.20

Screen Interval:

36.0-46.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0121-PZ-22-011921

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	40.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER CHARLES PACE CHRIS MCGINNESS	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	1/27/2021	Time:	10:25	General Comments:	

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
RIVER-WATER-INTAKE-24-012721	01-27-2021	07:06	6.50	10.97	287.60	28.38	100.80	8.98	Murky	No	MS/REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2021 08:06	Multi Meter ID:	706720
ISCO End Date and Time:	01-27-2021 07:06		

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

Latitude:	-
Longitude:	-

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-A-1	Project Manager: Tracy Ovbey
Samplers: CHARLES PACE(CHRIS MCGINNESS)	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 1/27/2021	Time: 16:08	General Comments: Sample ID for Filtered Sample: CAP0121-SEEP-A-24-012721-Z Sample Date/Time for Filtered Sample: 01-27-2021 07:24

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAP0121-SEEP-A-24-012721	01-27-2021	07:24	6.43	11.00	184.60	2644.20	71.48	15.86	Brown	No	-	Due to high turbidity, a second field filtered sample was sent for analysis in addition to the non filtered sample.

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 01-26-2021 08:24	Multi Meter ID: 706720
ISCO End Date and Time: 01-27-2021 07:24	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude: -
Longitude: -

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-1	Project Manager: Tracy Ovbey
Samplers: CHARLES PACE CHRIS MCGINNESS	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 1/27/2021	Time: 13:40	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-SEEP-B-012721	01-27-2021	10:40	5.80	10.18	164.20	164.20	83.17	12.41	Murky	No	-	ISCO sample location was inundated with river water sometime on 1/27/2021. Due to this a grab sample was collected in place of the composite.

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 706720	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude: -

Longitude: -

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-1	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE CHRIS MCGINNESS	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	1/27/2021	Time:	13:14	General Comments:	-

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-SEEP-C-24-012721	01-27-2021	07:48	6.43	3.16	205.90	2.50	89.31	10.73	Clear	No	-	Taken from Effluent basin of flow through cell.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2021 08:48	Multi Meter ID:	706720
ISCO End Date and Time:	01-27-2021 07:48		

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude: -

Longitude: -

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:

Samplers: Sampling Event: Event Type:

Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-SEEP-D-012721	01-27-2021	12:30	4.20	8.61	352.20	11.24	129.57	12.57	Clear	No	-	ISCO sample location was inundated with river water sometime on 1/27/2021. Due to this a grab sample was collected in place of the composite.

Sampling Data

Sampling Method: Multi Meter Used: Flow Rate:

Multi Meter ID: Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

Latitude:
 Longitude:

GPS Location (if collected)

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-10

Well Diameter: 2 Inches

Samplers: LUKE TART|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 44

Pump Loc: within screen

Method: Double valve pump

Date: 01-28-2021

Time: 9:14

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume = 3.765

Initial Depth to Water (ft.): 28.57 Depth to Well Bottom (ft.): 52.10

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	28.57	200.00	1000.00	5.23	0.22	106.10	14.32	82.14	15.72	Clear	None	
10:35	28.57	200.00	1000.00	5.32	0.28	93.40	20.81	81.39	16.05	Clear	None	
10:40	28.57	200.00	1000.00	5.39	0.41	78.20	28.31	79.76	16.17	Clear	None	
10:45	28.57	200.00	1000.00	5.39	0.43	67.90	29.63	80.01	16.30	Clear	None	
10:50	28.57	200.00	1000.00	5.39	0.44	54.00	22.13	79.73	16.19	Clear	None	
10:55	28.57	200.00	1000.00	5.34	0.42	43.90	22.22	79.38	16.04	Clear	None	
11:00	28.57	200.00	1000.00	5.36	0.44	36.90	19.08	79.48	16.10	Clear	None	
11:05	28.57	200.00	1000.00	5.39	0.42	28.30	18.00	79.35	16.30	Clear	None	
11:10	28.57	200.00	1000.00	5.35	0.45	22.80	14.67	79.54	16.54	Clear	None	
11:15	28.57	200.00	1000.00	5.38	0.42	17.10	16.34	79.42	16.39	Clear	None	
11:20	28.57	200.00	1000.00	5.4	0.41	9.30	10.84	79.58	16.34	Clear	None	
11:25	28.57	200.00	1000.00	5.41	0.40	4.00	12.70	80.20	16.31	Clear	None	
11:30	28.57	200.00	1000.00	5.43	0.38	-1.90	6.27	79.56	16.14	Clear	None	
11:35	28.57	200.00	1000.00	5.4	0.36	-5.80	5.36	79.87	16.36	Clear	None	
11:40	28.57	200.00	1000.00	5.4	0.31	-15.30	5.19	80.27	16.39	Clear	None	
11:45	28.57	200.00	1000.00	5.39	0.31	-15.20	3.61	80.10	16.55	Clear	None	
11:50	28.57	200.00	1000.00	5.39	0.31	-16.30	3.15	79.97	16.54	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-28-2021

Time: 11:55

Purge Start Time: 10:25

Total Volume Purged (mL): 17000.00

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	5.39
Spec. Cond. (µS/cm)	79.97
Turbidity (NTU)	3.15
Temp. (°C)	16.54
DO (mg/L)	0.31
ORP (mV)	-16.30

Screen Interval:

39 to 49

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA
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Sample ID: CAP0121-SMW-10-012821

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	36.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	1

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-11

Well Diameter: 2 Inches

Samplers: LUKE TART|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 20

Pump Loc: within screen

Method: Peristaltic Pump

Date: 01-15-2021

Time: 09:56

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	2.26
Initial Depth to Water (ft.):	11.95
Depth to Well Bottom (ft.):	25.79

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:15	12.00	200.00	1000.00	4.59	5.35	77.40	0.03	53.87	15.66	Clear	None	
10:20	12.05	200.00	1000.00	4.62	5.35	117.50	0.00	53.44	15.75	Clear	None	
10:25	12.04	200.00	1000.00	4.44	5.32	129.40	0.00	46.68	15.94	Clear	None	
10:30	12.04	200.00	1000.00	4.32	5.34	136.00	0.00	46.79	16.00	Clear	None	
10:35	12.04	200.00	1000.00	4.30	5.28	141.50	0.00	45.92	15.96	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 01-15-2021

Time: 10:40

Purge Start Time: 10:10

Field Filtered: No

Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	4.30
Spec. Cond.(µS/cm)	45.92
Turbidity (NTU)	0.00
Temp.(°C)	15.96
DO (mg/L)	5.28
ORP (mV)	141.50

Screen Interval:

13 to 23

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0121-SMW-11-011521
 DuplicateID: CAP0121-SMW-11-011521-D
 QA/QC: Dup|MS|Rep

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	59.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-12

Well Diameter: 2 Inches

Samplers: LUKE TART/MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 99

Pump Loc: within screen

Method: Double valve pump

Date: 01-29-2021

Time: 10:25

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	3.518
Initial Depth to Water (ft.):	81.94
Depth to Well Bottom (ft.):	103.93

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:15	81.95	200.00	1000.00	3.71	0.53	9.60	9.42	226.38	13.46	Clear	None	
11:20	81.95	200.00	1000.00	3.77	0.25	-12.70	9.84	225.55	14.77	Clear	None	
11:25	81.94	200.00	1000.00	3.76	0.26	-17.70	14.62	225.32	15.16	Clear	None	
11:30	81.95	200.00	1000.00	3.75	0.28	-22.90	11.97	224.76	14.97	Clear	None	
11:35	81.95	200.00	1000.00	3.75	0.25	-27.00	10.24	224.99	15.19	Clear	None	
11:40	81.95	200.00	1000.00	3.75	0.26	-29.10	9.86	224.55	15.10	Clear	None	
11:45	81.95	200.00	1000.00	3.74	0.28	-29.50	8.76	224.44	15.24	Clear	None	
11:50	81.95	200.00	1000.00	3.74	0.28	-25.40	8.26	224.14	14.97	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 01-29-2021

Time: 11:55

Purge Start Time: 11:10

Total Volume Purged (mL): 8000.00

Field Parameters

STABILIZED PARAMETERS	
pH	3.74
Spec. Cond. (µS/cm)	224.14
Turbidity (NTU)	8.26
Temp. (°C)	14.97
DO (mg/L)	0.28
ORP (mV)	-25.40

Screen Interval:

39 to 49

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0121-SMW-12-012921
 Duplicate ID: -
 QA/QC: -

WEATHER CONDITIONS

Temperature (F):	36.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: WC-1	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER CHARLES PACE CHRIS MCGINNESS	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 1/27/2021	Time: 09:40	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-WC-1-24-012721	01-27-2021	07:00	5.79	10.46	154.70	137.20	119.18	10.16	Murky	No	DUP	

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 01-26-2021 08:00	Multi Meter ID: 706720
ISCO End Date and Time: 01-27-2021 07:00	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

Latitude:	-
Longitude:	-

GPS Location (if collected)

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Location:	Georgia Branch Creek
Date:	1-26-21
Time Recorded:	1320
Personnel:	MS, JC

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0	0	0		Bank
2	0.5	0.25	0.27		Top
3	4	2	0.11		Bottom
4	4	1	0.39		mid
5	4	0	0.25		Top
6	8	3.2	0.5		Bottom
7	8	1.6	0.53		mid
8	8	0	0.45		Top
9	12	2.5	0.28		Bottom
10	12	1.25	0.52		mid
11	12	0	0.59		Top
12	16	1.4	0.26		Bottom
13	16	0.7	0.53		mid
14	16	0	0.59		Top
15	20	0.5 1	0.08		Bottom
16	20	0.5	0.35		mid
17	20	0	0.32		Top
18	24	0.9	0.46		Bottom
19	24	0	0.45	Total Discharge	Top ft ³ /s
20	26	0.7	0.39		Bottom
21	26	0	0.42		Top

7' wide

Location:	Old outfall
Date:	1-26-2021
Time Recorded:	1137
Personnel:	LP LM BW

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0	0	0		side North side
2	1	0.55	0.58		B
3	1	0.275	1.68		m
4	1	0	1.44		T
5	2	0.45	0.99		B
6	2	0.225	0.63		m
7	2	0	1.13		T
8	3	0.40	0.78		B
9	3	0.20	1.32		m
10	3	0	1.15		T
11	4	0.25	0.78		B
12	4	0.00	1.05 ^{1.05}		T
13	5 ⁵	0.25	0.85		B
14	5	0	0.85		T
15	6 ⁶	0.15	0.01		B
16	7 ⁷	0	0		North side
17					
18					

Total Discharge ft³/s

Location:	Wills Creek
Date:	1/26/21
Time Recorded:	0930
Personnel:	CP, BW, CM

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0	0			west bank
2	5	.45	.39		b.
3	5	.30	0.16		m
4	5	0	0.13		T
5	10	1.30'	0.23		b
6	10	0.45'	0.24		m
7	10	0	0.43		T
8	15	2.10'	0.17		b
9	15	1.05	0.39		m
10	15	0	0.44		T
11	20	2.40'	0.25		b
12	20	1.20'	0.34		m
13	20	0	0.27		T
14	25	3.0'	0.26		b
15	25	1.5'	0.45		m
16	25	0.10'	0.85		T
17					
18					

Total Discharge ft³/s

Location:	Wells creek
Date:	1-26-21
Time Recorded:	
Personnel:	

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	30.0	2.9'	0.28		
2	30.0	1.77'	0.44		
3	30.0	0.0'	0.67		
4	35.0	2.1'	0.06		
5	35.0	1.05'	0.30		
6	35.0	0.0'	0.15		
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge ft³/s

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-BLADEN Project Manager: Tracy Ovbey
 Samplers: CHRIS MCGINNESS|MATT SCHEUER Sampling Event: Monthly CAP Event Type: Sampling
 Date: 02-24-2021 Time: 14:00 General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-CFR-BLADEN-022421	02-24-2021	14:10	7.92	9.97	46.50	31.62	82.29	14.98	Cloudy	NA	-	-

Sampling Data

Sampling Method: Peri Pump Grab Tubing Depth (ft): 15 Distance to River Right: 27.9
 Sampling Location: Above intake Multi Meter Used: Insitu Aqua Troll Distance to River Left: 66.9
 Total Depth to Bottom of Channel (ft): 30 Multi Meter ID: 706720 Distance to River (Right/Left) Units: m

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

537 MOD (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude: -
 Longitude: -

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-CFR-DCO-022421	02-24-2021	11:11	7.93	10.12	29.40	45.84	68.01	10.32	Cloudy	NA	-	-

Sampling Data

Sampling Method: Tubing Depth (ft): Distance to River Right:
 Sampling Location: Multi Meter Used: Distance to River Left:
 Total Depth to Bottom of Channel (ft): Multi Meter ID: Distance to River (Right/Left) Units:

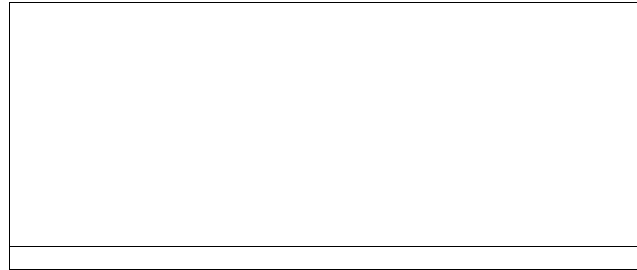
SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

537 MOD (HOLD); Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude:
 Longitude:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-KINGS	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL, MARK GUERRA	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-25-2021	Time: 10:45	General Comments: Sample collected from bridge downstream of Lock and Dam 1.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-CFR-KINGS-022521	02-25-2021	10:45	8.28	9.29	89.60	23.42	49.95	14.52	Clear	None		

Sampling Data

Sampling Method: Bailer

Multi Meter Used: Insitu Aqua Troll

Multi Meter ID: 706720

Flow Rate: []

Flow Rate Units: []

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HPFO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HPFO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude: []

Longitude: []

GPS Location (if collected)

[]

[]

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAPO221-CFR-TARHEEL-022421	02-24-2021	15:15	7.37	9.94	36.30	33.22	44.80	13.00	Cloudy	No	DUP	

Sampling Data

Sampling Method: Tubing Depth (ft): Distance to River Right:
 Sampling Location: Multi Meter Used: Distance to River Left:
 Total Depth to Bottom of Channel (ft): Multi Meter ID: Distance to River (Right/Left) Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Latitude:
 Longitude:

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: GBC-5	Project Manager: Tracy Ovbey
Samplers: LUKE TART(MARK GUERRA)	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 13:24	General Comments: Sample taken under Gregory Hill Rd bridge.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-GBC-5-022421	02-24-2021	13:40	6.54	9.28	67.90	0.03	127.68	16.49	Clear	None	-	-

Sampling Data

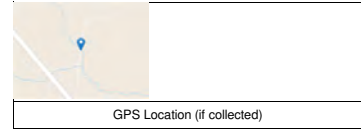
Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.8161124503256
 Longitude: -78.8324604847831



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: Lock-Dam Seep	Project Manager: Tracy Ovbeey
Samplers: LUKE TART MARK GUERRA	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 09:31	General Comments: Unable to take sample due to river water inundation.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
-	-	-	-	-	-	-	-	-	-	-	-	-

Sampling Data

Sampling Method: -	Multi Meter Used: -	Flow Rate: -
	Multi Meter ID: -	Flow Rate Units: -

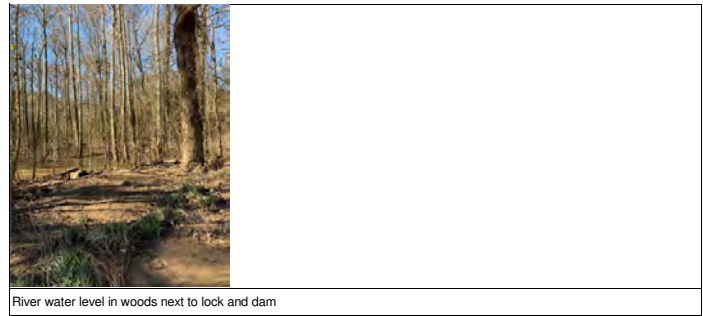
SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude: -
Longitude: -

GPS Location (if collected)



RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-01

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER/JELANI GILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 18.5

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-08-2021

Time: 13:05

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =

Initial Depth to Water (ft.): 12.89

Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:30	13.14	300.00	1500.00	3.67	0.16	396.90	6.41	117.38	16.82	Clear	None	
13:35	13.16	300.00	1500.00	3.69	0.16	402.50	5.43	116.79	16.78	Clear	None	
13:40	13.18	300.00	1500.00	3.75	0.15	403.60	4.88	116.99	16.74	Clear	None	
13:45	13.18	300.00	1500.00	3.76	0.16	406.70	3.99	117.23	16.76	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-08-2021

Time: 13:50

Purge Start Time: 13:25

Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	3.76
Spec. Cond. (µS/cm)	117.23
Turbidity (NTU)	3.99
Temp. (°C)	16.76
DO (mg/L)	0.16
ORP (mV)	406.70

Screen Interval:

11.0-26.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-LTW-01-020821

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HPFO-DA and PFHpA|537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-02

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER|JOHNATHAN CAUDILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 33

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-11-2021

Time: 11:02

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	5.085		
Initial Depth to Water (ft.):	8.89	Depth to Well Bottom (ft.):	40.67

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	8.99	320.00	1600.00	5.37	0.20	76.70	0.34	82.88	15.98	None	None	
11:35	8.99	320.00	1600.00	5.24	0.18	64.90	0.15	79.53	15.95	None	None	
11:40	8.99	320.00	1600.00	5.07	0.15	43.20	0.00	74.04	15.95	None	None	
11:45	8.99	320.00	1600.00	4.99	0.14	26.10	0.00	72.86	16.15	None	None	
11:50	8.99	320.00	1600.00	5.01	0.12	17.00	0.00	73.60	15.95	None	None	
11:55	8.99	320.00	1600.00	4.98	0.11	7.10	0.00	72.77	16.31	None	None	
12:00	8.99	320.00	1600.00	5.00	0.10	4.30	0.00	73.40	16.44	None	None	
12:05	8.99	320.00	1600.00	4.97	0.09	5.70	0.00	72.75	16.32	None	None	
12:10	8.99	320.00	1600.00	4.97	0.09	5.90	0.00	73.44	16.36	None	None	
12:15	8.99	320.00	1600.00	4.95	0.08	6.20	0.00	72.32	16.34	None	None	
12:20	8.99	320.00	1600.00	4.94	0.08	2.40	0.00	72.54	16.02	None	None	
12:30	8.99	320.00	3200.00	4.91	0.13	158.30	0.78	73.35	16.45	None	None	Missed 12:25 parameters because we had to turn off pump and reposition equipment due to competing space requirements with contractors.
12:35	8.99	320.00	1600.00	4.94	0.07	73.10	0.09	73.85	16.48	None	None	
12:40	8.99	320.00	1600.00	4.94	0.07	43.10	0.30	74.18	16.61	None	None	
12:45	8.99	320.00	1600.00	4.95	0.06	28.60	0.25	73.66	16.65	None	None	
12:50	8.99	320.00	1600.00	4.94	0.06	21.50	3.01	73.58	16.48	None	None	
12:55	9.06	320.00	1600.00	4.93	0.06	13.60	1.98	73.33	16.65	None	None	
13:00	9.06	320.00	1600.00	4.94	0.06	11.40	2.06	73.18	16.65	None	None	
13:05	9.06	320.00	1600.00	4.96	0.05	7.00	1.89	54.25	16.75	None	None	
13:10	9.06	320.00	1600.00	4.96	0.05	4.10	1.45	51.08	16.87	None	None	
13:15	9.06	320.00	1600.00	4.95	0.05	1.60	1.81	46.85	16.97	None	None	
13:20	9.06	320.00	1600.00	4.96	0.04	0.20	1.05	4.60	17.67	None	None	
13:23	9.06	320.00	960.00	4.94	0.04	-0.20	0.12	74.30	16.97	None	None	
13:27	9.06	320.00	1280.00	4.95	0.04	-0.30	1.40	73.86	16.93	None	None	
13:35	9.06	320.00	2560.00	4.94	0.04	-0.30	2.98	73.98	16.86	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-11-2021

Time: 13:35

Purge Start Time: 11:25

Total Volume Purged (mL): 41600.00

Field Parameters

STABILIZED PARAMETERS	
pH	4.94
Spec. Cond. (µS/cm)	73.98
Turbidity (NTU)	2.98
Temp. (°C)	16.86
DO (mg/L)	0.04
ORP (mV)	-0.30

Screen Interval:

28.0-38.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-LTW-02-021121

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F): 54.00

Sky:

Cloudy

Precipitation:

None

Wind (mph)

2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-03

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER/MATT SCHEUER

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 22.5

Pump Loc: within screen

Method: Double valve pump

Date: 02-04-2021

Time: 10:10

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	3.842
Initial Depth to Water (ft.):	8.74
Depth to Well Bottom (ft.):	32.75

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	9.10	200.00	1000.00	4.58	0.17	146.80	25.96	78.55	15.87	Cloudyish	Na	
10:35	9.30	200.00	1000.00	4.56	0.11	135.20	1.58	78.79	16.10	Clearish	Na	
10:40	9.36	200.00	1000.00	4.57	0.10	131.90	0.78	77.39	16.42	Clearish	Na	
10:45	9.47	200.00	1000.00	4.55	0.12	126.70	0.00	77.26	16.17	Clearish	Na	
10:50	9.51	200.00	1000.00	4.54	0.14	124.80	0.00	77.58	16.35	Clearish	Na	
10:55	9.54	200.00	1000.00	4.53	0.13	121.90	0.00	77.42	16.37	Clearish	Na	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-04-2021

Time: 11:00

Purge Start Time: 10:25

Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	4.53
Spec. Cond.(µS/cm)	77.42
Turbidity (NTU)	0.00
Temp.(°C)	16.37
DO (mg/L)	0.13
ORP (mV)	121.90

Screen Interval:

15.0-30.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID:	GAP0221-LTW-03-020421
DuplicateID:	-
QA/QC:	-

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-04

Well Diameter: 2 Inches

Samplers: JOHNATHAN CAUDILL|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 18

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-23-2021

Time: 12:50

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	3.902
Initial Depth to Water (ft.):	4.16
Depth to Well Bottom (ft.):	28.55

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:15	5.63	100.00	1500.00	3.9	1.38	377.40	17.75	113.78	16.02	None	None	
13:20	5.65	100.00	500.00	3.9	1.36	369.30	2.93	113.24	15.83	None	None	
13:25	5.69	100.00	500.00	3.9	1.29	376.90	9.42	112.85	16.03	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-23-2021

Time: 13:25

Purge Start Time: 13:00

Total Volume Purged (mL): 2500

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	3.90
Spec. Cond.(µS/cm)	112.85
Turbidity (NTU)	9.42
Temp.(°C)	16.03
DO (mg/L)	1.29
ORP (mV)	376.90

Screen Interval:

12.0-27.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-LTW-04-022321
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-05

Well Diameter: 2 Inches

Samplers: LUKE TART|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 40

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-11-2021

Time: 12:38

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	6.218
Initial Depth to Water (ft.):	8.43
Depth to Well Bottom (ft.):	47.29

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:00	8.55	230.00	1150.00	4.32	0.38	157.70	44.68	105.69	16.72	Cloudy	None	
13:05	8.57	230.00	1150.00	4.33	0.14	141.20	36.13	105.71	16.77	Cloudy	None	
13:10	8.56	230.00	1150.00	4.34	0.10	134.90	35.31	105.10	16.75	Cloudy	None	
13:15	8.56	230.00	1150.00	4.35	0.08	130.30	48.48	104.91	16.82	Cloudy	None	
13:20	8.56	230.00	1150.00	4.36	0.06	124.40	30.04	104.21	16.99	Cloudy	None	
13:25	8.56	230.00	1150.00	4.36	0.06	122.60	22.38	104.52	16.89	Clear	None	
13:30	8.56	230.00	1150.00	4.34	0.08	121.60	11.76	104.64	17.02	Clear	None	
13:35	8.56	230.00	1150.00	4.34	0.08	121.50	9.72	104.56	17.00	Clear	None	
13:40	8.56	230.00	1150.00	4.35	0.10	120.30	6.10	104.45	17.07	Clear	None	
13:45	8.56	230.00	1150.00	4.35	0.09	120.40	7.61	104.43	17.11	Clear	None	
13:50	8.56	230.00	1150.00	4.35	0.10	118.90	4.64	104.30	16.95	Clear	None	
13:55	8.56	230.00	1150.00	4.36	0.08	117.10	3.16	104.24	16.94	Clear	None	
14:00	8.56	230.00	1150.00	4.36	0.08	116.50	2.28	104.18	17.05	Clear	None	
14:05	8.56	230.00	1150.00	4.36	0.07	116.00	1.52	103.92	17.09	Clear	None	
14:10	8.56	230.00	1150.00	4.36	0.07	116.70	2.03	103.99	17.06	Clear	None	
14:15	8.56	230.00	1150.00	4.35	0.08	114.80	0.88	104.07	16.98	Clear	None	
14:20	8.56	230.00	1150.00	4.35	0.09	113.90	0.86	104.16	17.09	Clear	None	
14:25	8.56	230.00	1150.00	4.36	0.09	113.20	0.70	104.10	17.04	Clear	None	
14:30	8.56	230.00	1150.00	4.35	0.09	114.40	0.63	104.11	17.03	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-11-2021 Time: 14:35

Purge Start Time: 12:55

Total Volume Purged (mL): 23000

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.35
Spec. Cond. (µS/cm)	104.11
Turbidity (NTU)	0.63
Temp. (°C)	17.03
DO (mg/L)	0.09
ORP (mV)	114.40

Screen Interval:

29.0-44.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0221-LTW-05-021121

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	51.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:

Samplers: Sampling Event: Event Type:

Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-OLDOF-2-022421	2/24/2021	11:45	5.61	5.71	212.40	0.10	354.60	16.58	Clear	None	-	-

Sampling Data

Sampling Method: Multi Meter Used: Flow Rate:

Multi Meter ID: Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:

Longitude:

GPS Location (if collected)



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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: OUTFALL 002	Project Manager: Tracy Ovbey
Samplers: LUKE TARTIMARK GUERRA	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 14:57	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-OUTFALL-002-022421	02-24-2021	15:05	7.15	9.39	109.60	44.69	126.40	17.29	Clear	None	-	-

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

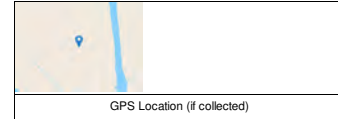
ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	74.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	18

Latitude:	34.8383488202581
Longitude:	-78.8284780065055



RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville Well ID: PIW-1D Well Diameter: 2 Inches
 Samplers: BRANDON SHAFFER|BRANDON WEIDNER|JELANI GILL Event: Monthly CAP Project Manager: Tracy Ovbey

Purging Data
 Pump Depth: 27
 Pump Loc: within screen
 Method: Peristaltic Pump Date: 02-08-2021 Time: 11:15

WATER VOLUME CALCULATION		
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot		
Water Volume =	3.038	
Initial Depth to Water (ft.):	12.71	Depth to Well Bottom (ft.): 31.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:55	12.73	300.00	1500.00	3.58	0.15	243.50	937.63	156.64	15.78	Brown	None	
12:00	12.73	300.00	1500.00	3.80	0.10	294.00	234.44	155.97	16.03	Light brown	None	
12:05	12.73	300.00	1500.00	3.58	0.08	311.00	93.65	154.26	15.91	Murky	None	
12:10	12.73	300.00	1500.00	3.59	0.08	327.10	87.63	153.99	15.99	Murky	None	
12:14	12.73	300.00	1200.00	3.60	0.08	330.80	92.62	154.12	16.09	Cloudy	None	
12:22	12.73	300.00	2400.00	3.59	0.07	341.30	41.56	152.73	16.23	Cloudy	None	
12:25	12.77	300.00	900.00	3.59	0.05	340.90	22.00	151.93	16.29	Clear	None	
12:30	12.73	300.00	1500.00	3.59	0.05	347.00	17.00	151.94	16.33	Clear	None	
12:35	12.73	300.00	1500.00	3.59	0.07	360.00	16.01	152.15	16.50	Clear	None	
12:40	12.73	300.00	1500.00	3.59	0.06	364.30	11.61	152.10	16.66	Clear	None	

Sampling Data
 Zero HS: []
 Method: Low Flow Date: 02-08-2021 Time: 12:45 Purge Start Time: 11:50
 Field Filtered: No Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	3.59
Spec. Cond. (µS/cm)	152.10
Turbidity (NTU)	11.61
Temp. (°C)	16.66
DO (mg/L)	0.06
ORP (mV)	364.30

Screen Interval:
24.5 to 29.5

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-PIW-1D-020821
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-1S

Well Diameter: 2 Inches

Samplers: BRANDON SHAFFER|BRANDON WEIDNER|JELANI GILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 16

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-08-2021

Time: 11:10

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =		
Initial Depth to Water (ft.):	15.06	Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:35	15.12	300.00	1500.00	3.84	2.87	263.60	6.57	247.85	15.46	Clear	No	
11:40	15.12	300.00	1500.00	3.85	2.94	248.50	7.27	250.98	15.63	Clear	No	
11:45	15.12	300.00	1500.00	3.86	3.03	268.20	5.98	250.66	15.58	Clear	No	
11:52	15.12	300.00	2100.00	3.86	3.05	253.50	4.98	255.28	15.83	Clear	No	
11:55	15.12	300.00	900.00	3.87	3.05	262.90	2.71	255.94	15.94	Clear	No	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-08-2021

Time: 12:00

Purge Start Time: 11:30

Total Volume Purged (mL): 7500.00

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	3.87
Spec. Cond.(µS/cm)	255.94
Turbidity (NTU)	2.71
Temp.(°C)	15.94
DO (mg/L)	3.05
ORP (mV)	262.90

Screen Interval:

7.8 - 17.8

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0221-PIW-1S-020821

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-3D

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER/JELANI GILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 25

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-08-2021

Time: 13:05

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =

Initial Depth to Water (ft.): 13.31

Depth to Well Bottom (ft.):

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:32	13.54	300.00	2100.00	4.60	0.18	119.60	22.15	86.59	16.84	Clear	No	
13:35	13.54	300.00	900.00	4.59	0.16	114.20	16.97	86.05	16.65	Clear	No	
13:40	13.54	300.00	1500.00	4.58	0.10	111.50	12.50	86.30	16.80	Clear	No	
13:45	13.54	300.00	1500.00	4.58	0.08	110.60	16.48	86.10	16.75	Clear	No	
13:50	13.54	300.00	1500.00	4.62	0.07	106.60	18.37	86.10	16.71	Clear	No	
13:55	13.54	300.00	1500.00	4.59	0.09	107.70	8.63	86.65	16.79	Clear	No	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-08-2021

Time: 14:00

Purge Start Time: 13:25

Total Volume Purged (mL): 9000.00

Field Parameters

STABILIZED PARAMETERS	
pH	4.59
Spec. Cond. (µS/cm)	86.65
Turbidity (NTU)	8.63
Temp. (°C)	16.79
DO (mg/L)	0.09
ORP (mV)	107.70

Screen Interval:

19 - 24

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0221-PIW-3D-020821

Duplicate ID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-7D

Well Diameter: 2 Inches

Samplers: JELANI GILL|SCOTT SKRZYDLINSKI

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 32

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-23-2021

Time: 12:35

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume = 5.478

Initial Depth to Water (ft.): 2.82 Depth to Well Bottom (ft.): 37.06

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55	2.83	250.00	1250.00	5.45	5.22	110.80	6.01	49.16	16.35	Clear	No	
13:00	2.83	250.00	1250.00	5.26	4.47	118.00	2.99	52.64	16.44	Clear	No	
13:05	2.83	250.00	1250.00	4.36	0.97	115.20	8.14	71.69	16.48	Clear	No	
13:10	2.83	250.00	1250.00	4.40	0.90	97.40	2.75	72.84	16.50	Clear	No	
13:15	2.83	250.00	1250.00	4.37	0.39	84.10	3.65	74.13	16.65	Clear	No	
13:20	2.83	250.00	1250.00	4.47	0.64	69.50	1.77	72.01	16.61	Clear	No	
13:25	2.83	250.00	1250.00	4.44	0.38	58.60	0.77	74.96	16.72	Clear	No	
13:30	2.83	250.00	1250.00	4.40	0.25	50.90	0.52	77.65	16.65	Clear	No	
13:35	2.83	250.00	1250.00	4.46	0.46	46.80	0.59	76.05	16.65	Clear	No	
13:40	2.83	250.00	1250.00	4.42	0.30	44.80	0.52	78.26	16.73	Clear	No	
13:45	2.83	250.00	1250.00	4.48	0.37	40.50	0.53	76.88	16.71	Clear	No	
13:50	2.83	250.00	1250.00	4.40	0.22	36.90	0.50	79.35	16.63		No	
13:55	2.83	250.00	1250.00	4.37	0.09	32.90	0.50	80.46	16.55	Clear	No	
14:00	2.83	250.00	1250.00	4.39	0.14	30.90	0.50	80.47	16.67	Clear	No	
14:05	2.83	250.00	1250.00	4.36	0.07	29.70	0.55	81.18	16.76	Clear	No	
14:10	2.83	250.00	1250.00	4.37	0.08	27.60	0.48	80.87	16.81	Clear	No	
14:15	2.83	250.00	1250.00	4.38	0.09	27.70	0.44	80.49	16.69	Clear	No	
14:20	2.83	250.00	1250.00	4.37	0.08	26.00	0.37	81.34	16.74	Clear	No	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-23-2021 Time: 14:25

Purge Start Time: 12:50

Total Volume Purged (mL): 22500.00

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.37
Spec. Cond.(µS/cm)	81.34
Turbidity (NTU)	0.37
Temp.(°C)	16.74
DO (mg/L)	0.08
ORP (mV)	26.00

Screen Interval:

29 - 34

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID: CAP0221-PIW-7D-022321

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-7S

Well Diameter: 2 Inches

Samplers: JELANI GILL|SCOTT SKRZYDLINSKI

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 12

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-23-2021

Time: 11:05

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume = 2.83

Initial Depth to Water (ft.): 2.59 Depth to Well Bottom (ft.): 20.28

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:40	2.95	200.00	2000.00	5.46	0.11	-155.20	144.53	123.52	14.95	Clear	No	
11:45	2.98	200.00	1000.00	5.5	0.08	-126.60	121.60	122.38	15.32	Clear	No	
11:50	3.00	200.00	1000.00	5.53	0.06	-69.50	78.38	122.53	15.78	Clear	No	
11:55	3.01	200.00	1000.00	5.56	0.06	-35.80	50.10	122.50	15.71	Clear	No	
12:00	3.02	200.00	1000.00	5.55	0.05	-13.40	35.28	122.92	15.90	Clear	No	
12:05	3.03	200.00	1000.00	5.57	0.05	-8.80	29.60	122.68	16.08	Clear	No	
12:10	3.03	200.00	1000.00	5.58	0.05	-5.70	18.15	122.77	16.01	Clear	No	
12:15	3.03	200.00	1000.00	5.6	0.05	-1.40	17.85	122.93	16.42	Clear	No	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-23-2021

Time: 12:20

Purge Start Time: 11:30

Total Volume Purged (mL): 9000.00

Field Parameters

STABILIZED PARAMETERS	
pH	5.60
Spec. Cond. (µS/cm)	122.93
Turbidity (NTU)	17.85
Temp. (°C)	16.42
DO (mg/L)	0.05
ORP (mV)	-1.40

Screen Interval:

7 - 17

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0221-PIW-7S-022321

Duplicate ID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name:

Well ID:

Well Diameter: Inches

Samplers:

Event:

Project Manager:

Purging Data

Pump Depth:

Pump Loc:

Method:

Date:

Time:

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.139
Initial Depth to Water (ft.):	23.69
Depth to Well Bottom (ft.):	30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:20	24.47	150.00	750.00	3.69	0.33	277.60	2.14	184.12	16.73	Clear	None	
11:25	24.81	100.00	500.00	3.71	0.21	287.80	1.78	183.72	16.78	Clear	None	
11:30	25.49	150.00	750.00	3.73	0.14	286.80	1.94	182.67	17.15	Clear	None	
11:35	25.76	100.00	500.00	3.73	0.17	288.10	2.24	178.92	16.66	Clear	None	
11:40	26.00	100.00	500.00	3.71	0.22	294.20	1.39	181.28	16.63	Clear	None	
11:45	26.23	100.00	500.00	3.71	0.20	292.20	1.52	179.20	16.68	Clear	None	
11:50	26.45	100.00	500.00	3.72	0.20	287.80	1.16	176.18	16.95	Clear	None	

Sampling Data

Zero HS:

Method:

Date: Time:

Purge Start Time:

Field Filtered:

Total Volume Purged (mL):

Field Parameters

STABILIZED PARAMETERS	
pH	3.72
Spec. Cond.(µS/cm)	176.18
Turbidity (NTU)	1.16
Temp.(°C)	16.95
DO (mg/L)	0.20
ORP (mV)	287.80

Screen Interval:

17 - 27

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID:

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	51.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-06

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER/LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-10-2021

Time: 14:45

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.357		
Initial Depth to Water (ft.):	18.12	Depth to Well Bottom (ft.):	32.85

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:05	19.15	300.00	1500.00	4.44	2.18	140.30	3.63	37.38	16.49	Clear	None	
15:10	19.28	300.00	1500.00	4.23	2.28	150.70	3.34	37.93	16.42	Clear	None	
15:15	19.40	300.00	1500.00	4.09	2.21	152.20	2.74	39.25	16.41	Clear	None	
15:20	19.41	300.00	1500.00	4.06	2.74	153.90	2.62	39.02	16.44	Clear	None	
15:25	19.42	300.00	1500.00	4.04	2.76	159.10	2.50	39.70	16.36	Clear	None	
15:30	19.43	300.00	1500.00	4.14	2.89	160.20	2.41	40.08	16.35	Clear	None	
15:35	19.43	300.00	1500.00	4.19	3.15	157.20	2.28	41.50	16.35	Clear	None	
15:40	19.42	300.00	1500.00	4.23	3.37	159.60	2.31	40.77	16.34	Clear	None	
15:45	19.42	300.00	1500.00	4.24	3.16	159.50	2.29	41.89	16.38	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 02-10-2021

Time: 15:50

Purge Start Time: 15:00

Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	4.24
Spec. Cond.(µS/cm)	41.89
Turbidity (NTU)	2.29
Temp.(°C)	16.38
DO (mg/L)	3.16
ORP (mV)	159.50

Screen Interval:

19 - 29

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID: CAP0221-PW-06-021021

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	51.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-07

Well Diameter: 2 Inches

Samplers: BRANDON WEIDNER/LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 37

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-10-2021

Time: 16:08

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.898	
Initial Depth to Water (ft.):	29.9	Depth to Well Bottom (ft.): 41.76

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
16:25	30.05	250.00	1250.00	4.68	6.37	157.70	2.32	25.68	18.24	Clear	None	
16:30	30.05	250.00	1250.00	4.69	6.49	161.80	2.50	25.86	18.31	Clear	None	
16:35	30.05	250.00	1250.00	4.68	6.56	165.30	2.50	25.78	18.16	Clear	None	
16:40	30.05	250.00	1250.00	4.69	6.59	168.00	2.49	25.73	18.37	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-10-2021

Time: 16:45

Purge Start Time: 16:20

Total Volume Purged (mL): 6250

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.69
Spec. Cond.(µS/cm)	25.73
Turbidity (NTU)	2.49
Temp.(°C)	18.37
DO (mg/L)	6.59
ORP (mV)	168.00

Screen Interval:

28 - 38

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-PW-07-021021

DuplicateID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	51.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

RECORD OF WELL SAMPLING

 Site Name:

 Well ID:

 Well Diameter: Inches

 Samplers:

 Event:

 Project Manager:
Purging Data

 Pump Depth:

 Pump Loc:

 Method:

 Date:

 Time:
WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	5.355	
Initial Depth to Water (ft.):	24.1	Depth to Well Bottom (ft.): 57.57

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:25	27.05	360.00	1800.00	10.17	0.15	-186.90	34.36	155.63	16.26	Clear	None	
09:30	27.93	360.00	1800.00	10.86	0.14	-193.10	16.62	303.81	16.01	Clear	None	
09:35	28.50	360.00	1800.00	11.04	0.13	-197.40	14.22	364.79	16.36	Clear	None	
09:40	28.67	360.00	1800.00	11.14	0.11	-204.40	13.79	400.56	16.11	Clear	None	
09:45	28.74	360.00	1800.00	9.66	0.09	-200.10	103.01	155.59	16.06	Cloudy	None	
09:50	28.76	360.00	1800.00	9.65	0.08	-204.50	101.05	153.77	16.17	Cloudy	None	
09:55	28.79	360.00	1800.00	9.52	0.07	-220.70	105.23	144.12	16.22	Cloudy	None	
10:00	28.80	360.00	1800.00	9.35	0.07	-236.60	96.20	133.09	15.94	Clear	None	
10:05	28.82	360.00	1800.00	9.27	0.06	-251.60	84.68	128.56	16.14	Cloudy	None	
10:10	28.82	360.00	1800.00	9.09	0.06	-275.30	90.10	121.39	16.25	Cloudy	None	
10:15	28.83	360.00	1800.00	8.9	0.06	-292.80	91.98	115.58	16.32	Cloudy	None	
10:20	28.83	360.00	1800.00	8.76	0.05	-291.60	94.86	113.11	16.40	Cloudy	None	
10:25	28.83	360.00	1800.00	8.69	0.06	-287.00	76.17	111.78	16.28	Cloudy	None	
10:30	28.83	360.00	1800.00	8.56	0.06	-278.50	88.28	110.30	16.38	Clear	No	
10:35	28.83	360.00	1800.00	8.48	0.05	-269.50	91.05	108.92	16.25	Clear	No	
10:40	28.83	360.00	1800.00	8.3	0.06	-252.40	68.70	107.48	16.24	Clear	No	
10:45	28.83	360.00	1800.00	8.22	0.06	-245.70	71.50	106.60	16.26	Clear	No	
10:50	28.83	360.00	1800.00	8.3	0.05	-253.00	77.96	107.21	16.20	Clear	No	
10:55	28.83	360.00	1800.00	8.35	0.05	-253.80	75.08	107.30	16.46	Clear	No	
11:00	28.83	360.00	1800.00	8.35	0.05	-235.76	67.34	106.92	16.34	Clear	No	
11:05	28.83	360.00	1800.00	8.31	0.05	-250.90	67.29	106.54	16.37	Clear	No	
11:10	28.83	360.00	1800.00	8.24	0.05	-245.90	66.46	105.75	16.48	Clear	No	
11:15	28.83	360.00	1800.00	8.16	0.05	-238.60	65.99	105.00	16.34	Clear	No	
11:20	28.83	360.00	1800.00	8.09	0.05	-232.70	59.16	104.30	16.60	Clear	No	
11:25	28.83	360.00	1800.00	8	0.05	-227.40	60.07	103.58	16.57	Clear	No	
11:30	28.83	360.00	1800.00	7.97	0.05	-225.50	58.31	103.02	16.63	Cloudy	None	
11:35	28.83	360.00	1800.00	7.86	0.05	-218.90	66.72	102.19	16.45	Clear	None	Starting new form to continue sampling due to too much data slowing down form.

Sampling Data

 Zero HS:
 Method:
 Date: -
 Time: -
 Purge Start Time:
 Total Volume Purged (mL):
 Field Filtered:
Field Parameters

STABILIZED PARAMETERS	
pH	7.86
Spec. Cond. (µS/cm)	102.19
Turbidity (NTU)	66.72
Temp. (°C)	16.45
DO (mg/L)	0.05
ORP (mV)	-218.90

 Screen Interval:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Sample ID:	-
DuplicateID:	-
QA/QC:	-

WEATHER CONDITIONS

Temperature (F):	38.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-09

Well Diameter: 2 Inches

Samplers: JELANI GILL/LUKE TART

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 52

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-04-2021

Time: 08:55

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume = 5.355

Initial Depth to Water (ft.): 24.1 Depth to Well Bottom (ft.): 57.57

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:40	28.82	360.00	1800.00	7.81	0.05	-215.90	58.46	101.60	16.29	Cloudy	None	Second form. Created due to slow response of first form after too many entries.
11:45	28.83	360.00	1800.00	7.72	0.05	-201.40	67.87	100.71	16.44	Clear	None	
11:50	28.83	360.00	1800.00	7.70	0.05	-208.20	64.56	100.36	16.39	Cloudy	None	
11:55	28.82	360.00	1800.00	7.66	0.05	-207.50	58.95	99.85	16.62	Cloudy	None	
12:00	28.83	360.00	1800.00	7.60	0.05	-204.90	61.03	99.13	16.55	Cloudy	None	
12:05	28.83	360.00	1800.00	7.60	0.05	-204.60	60.39	98.70	16.59	Cloudy	None	
12:10	28.83	360.00	1800.00	7.59	0.05	-203.50	55.53	98.33	16.59	Cloudy	None	
12:15	28.83	360.00	1800.00	7.52	0.05	-200.70	56.09	97.57	16.66	Cloudy	None	
12:20	28.83	360.00	1800.00	7.50	0.05	-199.98	54.77	97.16	16.61	Cloudy	None	
12:25	28.83	360.00	1800.00	7.47	0.05	-197.40	43.96	96.79	16.44	Cloudy	None	
12:30	28.83	360.00	1800.00	7.46	0.05	-199.60	43.51	96.48	16.60	Clear	No	
12:35	28.83	360.00	1800.00	7.44	0.05	-198.20	35.90	96.05	16.68	Clear	No	
12:40	28.83	360.00	1800.00	7.42	0.05	-198.70	40.16	95.80	16.63	Clear	No	
12:45	28.83	360.00	1800.00	7.39	0.05	-198.10	44.23	95.25	16.59	Clear	No	
12:50	28.83	360.00	1800.00	7.37	0.05	-197.90	40.30	94.72	16.67	Clear	No	
12:55	28.83	360.00	1800.00	7.34	0.04	-197.80	41.51	94.41	16.68	Clear	No	
13:00	28.83	360.00	1800.00	7.32	0.04	-198.90	40.46	94.24	16.65	Clear	No	
13:05	28.83	360.00	1800.00	7.32	0.04	-198.70	48.24	93.64	16.46	Clear	No	
13:10	28.83	360.00	1800.00	7.28	0.04	-199.10	41.47	93.18	16.66	Clear	No	
13:15	28.83	360.00	1800.00	7.30	0.05	-194.00	30.17	93.24	16.54	Clear	No	
13:20	28.83	360.00	1800.00	7.29	0.05	-182.40	29.53	93.51	16.36	Clear	No	
13:25	28.83	0.00	0.00	7.29	0.06	-176.00	28.78	93.72	16.13	Clear	No	Low voltage error, lost power for estimate of 30min, resumed at 13:55.
13:30	28.83	0.00	0.00	7.30	0.07	-171.80	27.54	94.32	15.81	Clear	None	
13:35	28.83	0.00	0.00	7.32	0.08	-169.10	27.53	94.82	15.57	Clear	None	
13:40	28.83	0.00	0.00	7.33	0.08	-165.80	27.50	95.38	15.32	Clear	None	
13:45	28.83	0.00	0.00	7.34	0.08	-165.20	27.42	95.44	15.29	Clear	None	
13:50	28.83	0.00	0.00	7.35	0.08	-161.90	27.17	95.91	15.13	Clear	None	
13:55	28.83	360.00	1800.00	7.32	0.05	-199.70	35.76	93.98	16.83	Clear	No	Found pump had low voltage error. Cleared error and restarted pump.
14:00	26.49	360.00	1800.00	7.56	0.07	-191.30	23.16	94.74	16.40	Clear	None	
14:05	-	-	0.00	-	-	-	-	-	-	-	-	Pump stopped working again, due to power failure. Retrieving new pump to continue.
14:45	-	-	0.00	-	-	-	-	-	-	-	-	New pump arrives. Start purge at 14:45.
14:50	26.45	360.00	1800.00	7.45	0.08	-181.90	39.66	95.72	16.90	Cloudy	None	
14:55	28.20	360.00	1800.00	7.94	0.05	-239.40	40.72	99.54	16.81	Cloudy	None	
15:00	28.54	360.00	1800.00	7.90	0.05	-217.90	48.22	100.84	16.79	Cloudy	None	
15:05	28.65	360.00	1800.00	7.75	0.05	-205.90	61.54	99.03	16.65	Cloudy	None	

Sampling Data

Zero HS:

Method: Five Well Volume

Date: 02-04-2021 Time: 15:10

Purge Start Time: 09:20

Field Filtered: Yes

Total Volume Purged (mL): 48600.00

Field Parameters

STABILIZED PARAMETERS	
pH	7.75
Spec. Cond. (µS/cm)	99.03
Turbidity (NTU)	61.54
Temp. (°C)	16.65
DO (mg/L)	0.05
ORP (mV)	-205.90

Sample ID:	CAP0221-PW-09-020421-Z
DuplicateID:	-
QA/QC:	-

WEATHER CONDITIONS	
Temperature (F):	38.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Screen Interval:

44 - 54

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PZ-22

Well Diameter: 1 Inches

Samplers: JOHNNATHAN CAUDILL|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 45

Pump Loc: within screen

Method: Peristaltic Pump

Date: 02-23-2021

Time: 10:37

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.891
Initial Depth to Water (ft.):	4.68
Depth to Well Bottom (ft.):	50.80

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:05	-	200.00	1200.00	4.39	0.37	126.30	56.74	104.08	15.04	None	None	No DTW measurements taken due to 1 inch well diameter.
11:10	-	200.00	1000.00	4.40	0.28	99.40	36.68	104.96	15.23	None	None	
11:15	-	200.00	1000.00	4.44	0.20	85.00	14.88	103.50	15.67	None	None	
11:20	-	200.00	1000.00	4.45	0.15	80.00	4.64	102.84	15.68	None	None	
11:25	-	200.00	1000.00	4.42	0.13	109.70	0.80	102.12	15.68	None	None	
11:30	-	200.00	1000.00	4.43	0.12	88.50	0.00	101.99	15.84	None	None	
11:35	-	200.00	1000.00	4.40	0.12	78.20	0.00	101.55	15.82	None	None	
11:40	-	200.00	1000.00	4.40	0.11	88.90	0.00	101.59	15.92	None	None	
11:45	-	200.00	1000.00	4.40	0.11	76.20	0.00	101.15	15.96	None	None	
11:50	-	200.00	1000.00	4.40	0.10	72.40	0.00	101.17	16.27	None	None	
11:55	-	200.00	1000.00	4.40	0.10	62.90	0.00	101.19	16.33	None	None	
12:00	-	200.00	1000.00	4.40	0.10	64.30	0.00	100.98	16.19	None	None	
12:05	-	200.00	1000.00	4.40	0.09	63.40	0.00	101.00	16.32	None	None	
12:10	-	200.00	1000.00	4.40	0.09	56.70	0.00	100.91	16.30	None	None	
12:15	-	200.00	1000.00	4.40	0.09	54.60	0.00	100.89	16.14	None	None	
12:20	-	200.00	1000.00	4.40	0.09	50.49	0.00	100.85	16.32	None	None	
12:25	-	200.00	1000.00	4.41	0.09	48.90	0.00	100.78	16.37	None	None	
12:30	-	200.00	1000.00	4.40	0.09	46.40	0.00	100.71	16.38	None	None	

Sampling Data

Zero HS:

Method: Low Flow

Date: 02-23-2021

Time: 12:30

Purge Start Time: 10:59

Total Volume Purged (mL): 18200

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.40
Spec. Cond.(µS/cm)	100.71
Turbidity (NTU)	0.00
Temp.(°C)	16.38
DO (mg/L)	0.09
ORP (mV)	46.40

Screen Interval:

36.0-46.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD)|Table 3+ (21)(HL) Including HFPO-DA and PFHpA

Sample ID: CAP0221-PZ-22-022321
 DuplicateID: -
 QA/QC: -

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
RIVER-WATER-INTAKE-022421	02-24-2021	15:25	7.22	10.01	322.00	42.15	79.98	14.86	Cloudy	None	-	

Sampling Data

Sampling Method: Multi Meter Used: Flow Rate:
 Multi Meter ID: Flow Rate Units:

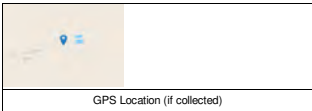
SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	74.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	18

Latitude:
 Longitude:



SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="Seep D3"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JAMES BRIGGSJELANI GILL"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="02-24-2021"/>	Time: <input type="text" value="14:50"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-Seep D3-022421	2/24/2021	13:55	5.30	7.45	170.80	2.34	64.65	14.81	Clear	No		

Sampling Data

Sampling Method: <input type="text" value="Bottle Grab"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>	Flow Rate: <input type="text"/>
	Multi Meter ID: <input type="text" value="706682"/>	Flow Rate Units: <input type="text"/>

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

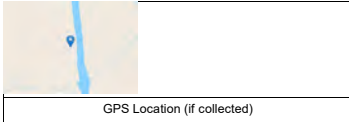
ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:

Longitude:



SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="Seep D-C1"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JAMES BRIGGSJELANI GILL"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="02-24-2021"/>	Time: <input type="text" value="13:40"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-Seep D-C1-022421	02-24-2021	13:40	4.74	8.48	124.50	0.64	43.48	18.23	Clear	No		

Sampling Data

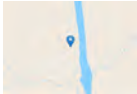
Sampling Method: <input type="text" value="Bottle Grab"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>	Flow Rate: <input type="text"/>
	Multi Meter ID: <input type="text" value="706682"/>	Flow Rate Units: <input type="text"/>

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	<input type="text" value="34.8372701"/>
Longitude:	<input type="text" value="-78.8247869"/>


GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="Seep D-D"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JAMES BRIGGSJELANI GILL"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="02-24-2021"/>	Time: <input type="text" value="14:00"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-Seep D-D-022421	02-24-2021	14:00	4.98	4.47	176.70	11.19	205.47	17.03	Clear	No		

Sampling Data

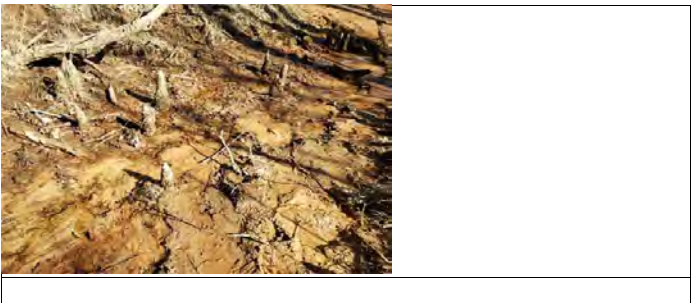
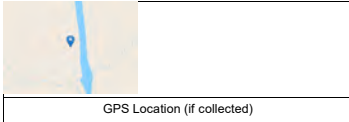
Sampling Method: <input type="text" value="Bottle Grab"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>	Flow Rate: <input type="text"/>
	Multi Meter ID: <input type="text" value="706682"/>	Flow Rate Units: <input type="text"/>

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:
 Longitude:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-A-1	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGSJELANI GILLI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 09:51	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-SEEP-A-1-022421	02-24-2021	10:05	6.26	0.95	37.30	52.48	331.02	15.89	Clear	No	DUP(MS)REP	

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD); Fecal Coliform

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	-
Longitude:	-

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-2	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGS JELANI GILL	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 12:20	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-SEEP-B-2-022421	02-24-2021	12:20	4.30	8.21	304.50	64.55	75.67	18.00	Clear	No	-	-

Sampling Data

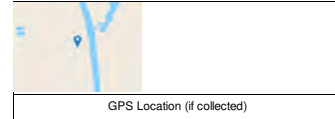
Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD); Fecal Coliform

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.8422515
Longitude:	-78.8258223



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-TR1	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGS, JELANI GILLI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 12:25	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-SEEP-B-TR1-022421	02-24-2021	12:25	4.35	7.21	452.50	15.33	85.30	16.92	Clear	No	-	-

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD); Fecal Coliform

WEATHER CONDITIONS

Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.8429483
Longitude:	-78.8256117



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-TR2	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGS, JELANI GILL	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 12:15	General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0221-SEEP-B-TR2-022421	02-24-2021	12:15	5.97	6.04	210.40	61.23	122.00	20.20	Clear	No	-	

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: In Situ Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD); Fecal Coliform

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.8418647
Longitude:	-78.82561



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-C-1	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGS JELANI GILL	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 02-24-2021	Time: 13:00	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-SEEP-C-1-022421	02-24-2021	13:00	4.87	6.43	339.20	45.73	68.64	19.35	Clear	No	-	-

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate: -
	Multi Meter ID: 766679	Flow Rate Units: -

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD) Fecal Coliform

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	-
Longitude:	-

GPS Location (if collected)

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville Well ID: SMW-10 Well Diameter: 2 Inches
 Samplers: JAMES BRIGGS|JOHNATHAN CAUDILL Event: Monthly CAP Project Manager: Tracy Ovbey

Purging Data
 Pump Depth: 42
 Pump Loc: within screen
 Method: Peristaltic Pump Date: 02-08-2021 Time: 11:20

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	3.744		
Initial Depth to Water (ft.):	28.65	Depth to Well Bottom (ft.):	52.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	28.65	190.00	4370.00	5.35	2.11	139.90	11.34	75.65	16.78	Clear	None	
11:35	28.65	190.00	950.00	4.88	1.26	167.80	10.41	76.34	16.87	Clear	None	
11:40	28.65	190.00	950.00	5.11	0.51	136.70	10.43	77.47	16.87	Clear	None	
11:45	28.65	190.00	950.00	5.3	0.24	0.00	14.85	78.93	16.92	Clear	None	
11:50	28.65	190.00	950.00	5.33	0.19	-29.60	18.22	79.59	17.04	Clear	None	
11:55	28.64	190.00	950.00	5.35	0.16	-38.90	17.69	78.49	16.93	Clear	None	
12:00	28.64	150.00	750.00	5.35	0.14	-36.30	17.96	79.25	16.78	Clear	None	
12:05	28.64	150.00	750.00	5.33	0.15	-30.50	21.11	78.70	16.81	Clear	None	
12:10	28.63	150.00	750.00	5.34	0.14	-35.10	23.62	78.76	16.89	Clear	None	
12:15	28.63	150.00	750.00	5.36	0.14	-36.20	34.33	78.53	16.77	Clear	None	
12:20	28.63	150.00	750.00	5.34	0.12	-36.00	38.80	78.10	16.84	Clear	None	
12:25	28.63	150.00	750.00	5.36	0.12	-37.40	39.36	77.88	16.86	Clear	None	
12:30	28.63	300.00	1500.00	5.34	0.08	-55.40	86.01	77.90	17.12	Clear	None	
12:35	28.63	300.00	1500.00	5.34	0.12	-61.70	165.61	75.81	17.03	None	None	
12:40	28.63	300.00	1500.00	5.34	0.06	-68.10	491.24	75.96	17.06	None	None	
12:45	28.63	300.00	1500.00	5.33	0.07	-70.60	884.54	75.24	17.05	None	None	
12:50	28.63	300.00	1500.00	5.24	1.98	6.80	78.36	68.23	16.93	None	None	
12:55	28.63	300.00	1500.00	5.32	0.79	-23.90	140.57	74.76	16.93	None	None	
13:00	28.62	300.00	1500.00	5.33	0.40	-40.20	412.11	75.80	16.98	None	None	
13:05	28.62	300.00	1500.00	5.36	0.11	-54.60	1290.50	74.30	16.90	None	None	
13:10	28.62	300.00	1500.00	5.36	0.06	-64.80	278.13	74.07	17.09	None	None	
13:15	28.62	300.00	1500.00	5.36	0.14	-66.40	632.80	73.01	16.99	None	None	
13:20	28.62	300.00	1500.00	5.38	0.09	-69.80	288.45	75.37	17.16	None	None	
13:25	28.62	300.00	1500.00	5.36	0.06	-73.30	33.51	77.57	17.09	None	None	
13:30	28.61	300.00	1500.00	5.36	0.09	-72.50	64.89	77.90	17.37	None	None	
13:35	28.61	300.00	1500.00	5.37	0.09	-79.10	82.83	77.80	17.30	None	None	Lots of air in line. Replacing line at 1335 to trouble shoot.
13:40	28.61	230.00	1150.00	5.29	1.46	-20.70	82.23	72.79	17.36	None	None	
13:45	28.61	230.00	1150.00	5.32	1.80	5.00	91.13	77.12	17.36	None	None	
13:50	28.61	230.00	1150.00	5.37	0.61	-39.60	100.28	77.14	17.02	None	None	
13:55	28.60	230.00	1150.00	5.38	0.22	-52.50	94.29	77.42	17.11	None	None	
14:00	28.60	230.00	1150.00	5.37	0.15	-60.50	94.37	77.52	17.17	Clear	None	
14:05	28.60	230.00	1150.00	5.35	0.11	-62.50	88.73	77.47	17.14	Clear	None	
14:10	28.60	230.00	1150.00	5.36	0.09	-65.20	104.42	77.45	17.90	None	None	
14:15	28.60	230.00	1150.00	5.36	0.08	-67.00	115.57	73.36	17.16	None	None	
14:20	28.60	230.00	1150.00	5.37	0.08	-69.90	143.47	77.05	17.16	None	None	
14:25	28.60	230.00	1150.00	5.35	0.07	-72.30	285.55	77.13	17.18	Clear	None	
14:30	28.59	230.00	1150.00	5.37	0.07	-71.90	145.09	77.36	17.05	Clear	None	
14:35	28.59	230.00	1150.00	5.36	0.07	-72.90	189.85	77.81	17.11	None	None	
14:40	28.59	230.00	1150.00	5.35	0.06	-74.70	262.08	77.63	16.96	No	No	
14:45	28.59	230.00	1150.00	5.35	0.07	-73.70	264.57	77.86	16.99	Clear	None	
14:50	28.59	230.00	1150.00	5.35	0.07	-75.10	286.91	77.34	16.92	None	None	
14:55	28.59	230.00	1150.00	5.35	0.07	-75.70	164.80	73.35	17.00	None	None	
15:05	28.59	200.00	2000.00	5.32	0.37	57.40	0.01	93.59	17.02	None	None	
15:07	28.59	200.00	400.00	5.24	0.16	25.30	2.54	83.52	17.01	None	None	
15:15	28.59	200.00	1600.00	5.27	0.14	9.10	2.51	83.56	17.07	None	None	
15:20	28.60	200.00	1000.00	5.28	0.12	0.20	2.29	83.22	17.00	None	None	
15:25	28.60	200.00	1000.00	5.29	0.13	-2.80	3.23	82.72	16.92	Clear	None	
15:30	28.60	200.00	1000.00	5.29	0.12	-5.00	2.86	82.79	17.00	Clear	None	
15:35	28.60	200.00	1000.00	5.31	0.11	-8.70	5.87	82.12	16.97	Clear	None	

15.40	28.60	200.00	1000.00	5.32	0.11	-11.30	6.88	81.39	16.97	Clear	None

Sampling Data

Zero HS:

Method: Date: Time:

Purge Start Time: Total Volume Purged (mL):

Field Filtered:

Field Parameters

STABILIZED PARAMETERS	
pH	5.32
Spec. Cond. (µS/cm)	81.39
Turbidity (NTU)	6.88
Temp. (°C)	16.97
DO (mg/L)	0.11
ORP (mV)	-11.30

Screen Interval:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID:

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-11

Well Diameter: 2 Inches

Samplers: CHRIS MCGINNESS|MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data
 Pump Depth: 18
 Pump Loc: within screen
 Method: Peristaltic Pump Date: 02-10-2021 Time: 11:20

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.226		
Initial Depth to Water (ft.):	11.89	Depth to Well Bottom (ft.):	25.80

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:35	11.95	150.00	1200.00	4.37	5.41	151.60	0.00	47.69	15.86	Clear	None	
11:40	11.95	150.00	750.00	4.35	5.41	164.80	0.00	47.86	15.98	Clear	None	
11:45	11.95	150.00	750.00	4.29	5.46	165.90	0.00	47.84	16.00	Clear	None	

Sampling Data
 Zero HS:
 Method: Low Flow Date: 02-10-2021 Time: 11:50 Purge Start Time: 11:27
 Field Filtered: No Total Volume Purged (mL): 2700

Field Parameters

STABILIZED PARAMETERS	
pH	4.29
Spec. Cond.(µS/cm)	47.84
Turbidity (NTU)	0.00
Temp.(°C)	16.00
DO (mg/L)	5.46
ORP (mV)	165.90

Screen Interval:

-

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0221-SMW-11-021021
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: JOHNATHAN CAUDILL LUKE TART

Well ID: SMW-12
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 92
 Pump Loc: within screen
 Method: Double valve pump Date: 02-05-2021 Time: 10:20

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot
 Water Volume = 3.818
 Initial Depth to Water (ft.): 79.16 Depth to Well Bottom (ft.): 103.02

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	79.22	200.00	1000.00	3.65	1.57	328.50	7.85	237.35	15.40	Clear	None	
10:50	79.22	200.00	1000.00	3.7	0.45	314.40	10.71	225.64	15.77	Clear	None	
10:55	79.22	200.00	1000.00	3.76	0.17	154.20	19.19	217.88	15.66	Clear	None	
11:00	79.22	200.00	1000.00	3.76	0.11	90.50	18.76	215.58	15.83	Clear	None	
11:05	79.22	200.00	1000.00	3.76	0.08	78.90	9.17	215.46	15.85	Clear	None	
11:10	79.22	200.00	1000.00	3.75	0.07	69.50	13.96	215.35	15.80	Clear	None	
11:15	79.22	200.00	1000.00	3.75	0.06	60.60	4.34	215.31	15.64	Clear	None	
11:20	79.22	200.00	1000.00	3.75	0.05	53.20	5.12	215.17	15.69	Clear	None	
11:25	79.22	200.00	1000.00	3.75	0.05	45.80	5.03	214.82	15.78	Clear	None	
11:30	79.22	200.00	1000.00	3.75	0.04	39.80	4.24	214.77	15.81	Clear	None	
11:35	79.22	200.00	1000.00	3.75	0.04	33.80	3.44	214.64	15.85	Clear	None	
11:40	79.22	200.00	1000.00	3.75	0.04	28.80	2.56	214.75	15.87	Clear	None	
11:45	79.22	200.00	1000.00	3.76	0.03	24.40	1.79	214.65	15.95	Clear	None	
11:50	79.22	200.00	1000.00	3.75	0.03	20.30	0.90	214.37	15.77	Clear	None	
11:55	79.22	200.00	1000.00	3.75	0.03	17.40	0.88	214.65	15.78	Clear	None	
12:00	79.22	200.00	1000.00	3.76	0.02	15.10	0.52	214.54	15.73	Clear	None	
12:05	79.22	200.00	1000.00	3.76	0.02	11.50	0.64	214.41	15.60	Clear	None	
12:10	79.22	200.00	1000.00	3.76	0.02	8.00	0.52	214.34	15.56	Clear	None	
12:15	79.22	200.00	1000.00	3.76	0.02	4.90	0.67	213.69	15.67	Clear	None	
12:20	79.22	200.00	1000.00	3.76	0.02	2.90	0.54	213.75	15.59	Clear	None	
12:25	79.22	200.00	1000.00	3.75	0.02	1.00	0.37	213.44	15.60	Clear	None	
12:30	79.22	200.00	1000.00	3.76	0.02	-0.90	0.27	213.29	15.46	Clear	None	
12:35	79.22	200.00	1000.00	3.75	0.01	-4.20	0.43	213.15	15.50	Clear	None	
12:40	79.22	200.00	1000.00	3.76	0.01	-5.20	0.22	212.89	15.57	Clear	None	
12:45	79.22	200.00	1000.00	3.76	0.01	-7.80	0.23	212.72	15.53	Clear	None	
12:50	79.22	200.00	1000.00	3.76	0.01	-9.10	0.21	212.49	15.79	Clear	None	
12:55	79.22	200.00	1000.00	3.76	0.01	-11.60	0.18	212.45	15.69	Clear	None	
13:00	79.22	200.00	1000.00	3.76	0.01	-13.50	0.19	212.19	15.75	Clear	None	
13:05	79.22	200.00	1000.00	3.76	0.01	-14.70	0.25	212.47	15.78	Clear	None	

Sampling Data

Zero HS: []
 Method: Low Flow Date: 02-05-2021 Time: 13:10
 Field Filtered: No Purge Start Time: 10:40
 Total Volume Purged (mL): 30000

Field Parameters

STABILIZED PARAMETERS	
pH	3.76
Spec. Cond.(µS/cm)	212.47
Turbidity (NTU)	0.25
Temp.(°C)	15.78
DO (mg/L)	0.01
ORP (mV)	-14.70

Screen Interval:

88 to 98

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

Sample ID: CAP0221-SMW-12-020521
 Duplicate ID: -
 QA/QC: -

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="WC-2"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JOHNATHAN CAUDILL, MARK GUERRA"/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="02-25-2021"/>	Time: <input type="text" value="13:30"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0221-WC-2-022521	02-25-2021	13:40	5.59	9.18	211.10	10.22	80.86	16.81	Clear	None		

Sampling Data

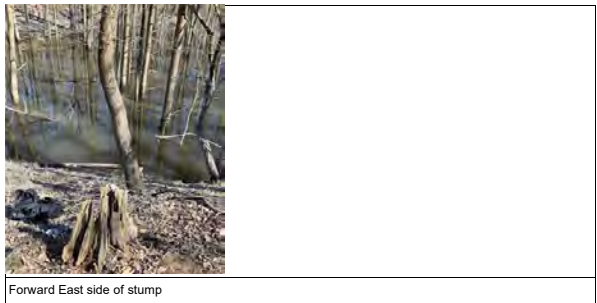
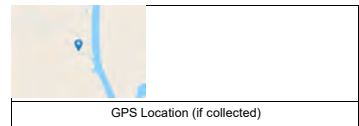
Sampling Method: <input type="text" value="Bailer"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>	Flow Rate: <input type="text"/>
	Multi Meter ID: <input type="text" value="706720"/>	Flow Rate Units: <input type="text"/>

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	<input type="text" value="34.8516110249501"/>
Longitude:	<input type="text" value="-78.8289663165729"/>



Location:	GBC
Date:	2/24/21
Time Recorded:	1350
Personnel:	LT MG

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0	0	0		West Bank
2	1 ft	-1.93 ft	0.30		bottom
3	1 ft	-0.98	0.72		mid
4	1 ft	0	0.80		top
5	2 ft	-2.0	0.38		bottom / rock interference
6	2 ft	-1.0	0.71		mid
7	2 ft	0	0.81		top
8	3 ft	-1.89	0.49		bottom / on top of rock
9	3 ft	-0.95	0.62		mid
10	3 ft	0	0.74		top
11	4 ft	-1.84	0.01		bottom
12	4 ft	-0.95	0.65		mid
13	4 ft	0	0.63		top
14	5 ft	-1.66	0.48		bottom
15	5 ft	-0.83	0.68		mid
16	5 ft	0	0.68		top
17	6 ft	-2.0	0.25		bottom
18	6 ft	-1.0	0.57		mid

Total Discharge		ft ³ /s
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Location:	GBL Continued
Date:	2/24/21
Time Recorded:	1350
Personnel:	LT MG

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	6 ft	0	0.62		bottom [±] top
2	7 ft	-1.92	0.01		bottom / obstruction
3	7 ft	-0.96	0.38		m.i.d
4	7 ft	0	0.51		top
5	8 ft	-1.91	0.00		bottom
6	8 ft	-0.95	0.23		m.i.d
7	8 ft	0	0.35		top
8	9 ft	0	0		East Bank
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge		ft ³ /s
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lot 2

Location:	012 OF -2
Date:	02 / 24 / 21
Time Recorded:	1150
Personnel:	LT M62

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0 ft	0	0		West Bank
2	1 ft	-0.29	0.22		bottom
3	1 ft	0	0.40		top
4	2 ft	-0.39	0.30		bottom / rock potential influence
5	2 ft	0	0.38		top
6	3 ft	-0.45	0.49		bottom
7	3 ft	-0.22	0.56		mid
8	3 ft	0	0.71		top
9	4 ft	-0.70	0.46		bottom / Rock obstruction
10	4 ft	-0.35	0.79		mid / Rock obstruction
11	4 ft	0	0.90		top
12	5 ft	-0.70	0.43		bottom
13	5 ft	-0.35	0.48		mid
14	5 ft	0	0.8		top
15	6 ft	-0.55	0.17		bottom / rock obstruction
16	6 ft	-0.27	0.53		mid
17	6 ft	0	0.62		top
18	7 ft	-0.30	0.23		bottom

Total Discharge		ft ³ /s
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Location:	012 CF 2 Continued
Date:	02/24/21
Time Recorded:	11:50
Personnel:	LT MB

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	7	0	0.49		top
2	8	-0.1	-0.06		bottom/surface
3	9	0	0		East
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge ft³/s

Location:	Seep B-2
Date:	02/24/21
Time Recorded:	15:35
Personnel:	JB+JC

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1 1	0.0	0.0	0.0		
2 2	0.5	0.18	0.96		
3 3	1.0	0.23	1.30		
4 4	1.5	0.11	0.89		
5 5	2.0	0.0	0.0		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge ft³/s

Location:	Seep B - TR1
Date:	02/24/21
Time Recorded:	15:40
Personnel:	JB+JC

Station (I)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1 1	0.0	0.0	0.0		
2 2	0.5	0.2	0.0		
3 3	1.0	0.5	0.27		
4 4	1.5	0.65	0.21		
5 5	2.0	0.6	0.18		
6 6	2.5	0.3	0.0		
7 7	3.0	0.0	0.0		
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge ft³/s

Location:	Seep B - TR2
Date:	02/24/24
Time Recorded:	15:30
Personnel:	JB+JC

Station (i)	Distance (X) ft	Depth ft	Velocity ft/s	Discharge ft ³ /s	Comments
1	0.0	0.0	0.0		
2	0.25	0.1	0.0		
3	0.5	0.2	0.0		
4	0.75	0.4	0.87		
5	1.0	0.0	0.0		
6	1.25	0.1	0.0		
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Total Discharge ft³/s

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-2517BoatRamp	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 09:08	General Comments: River too high sample taken shore of boat ramp to replace RM-76, 2517 Wilmington Highway boat ramp.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-CFR-2517BOATRAMP-032921	03-29-2021	09:15	7.56	10.06	52.30	394.07	121.81	18.21	Murky	None		

Sampling Data

Sampling Method: Bottle Grab	Tubing Depth (ft):	Distance to River Right:
Sampling Location: 2517BoatRamp	Multi Meter Used: Insitu Aqua Troll	Distance to River Left:
Total Depth to Bottom of Channel (ft):	Multi Meter ID: 706682	Distance to River (Right/Left) Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

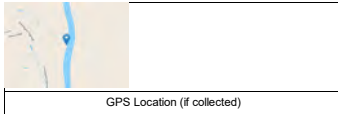
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	52.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude: 34.9966222410368
 Longitude: -78.8505167023889



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-BLADEN	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL/LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 11:22	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAPO321-CFR-BLADEN-032921	03-29-2021	11:30	7.29	8.54	71.70	191.20	82.04	15.93	Cloudy	None		

Sampling Data

Sampling Method: Peri Pump Grab	Tubing Depth (ft): 12	Distance to River Right: 25.2
Sampling Location: Outtake	Multi Meter Used: Insitu Aqua Troll	Distance to River Left: 60.5
Total Depth to Bottom of Channel (ft): 24.1	Multi Meter ID: 706682	Distance to River (Right/Left) Units: m

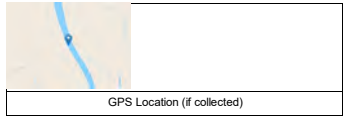
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude: 34.7723323013395
 Longitude: -78.7983379287684



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-KING	Project Manager: Tracy Ovbey
Samplers: MARK GUERRAIRYAN CARLSONI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-30-2021	Time: 11:45	General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0321-CFR-KINGS-033021	03-30-2021	12:20	8.37	4.68	2.20	36.57	843.39	22.20	Clear	No		Preformed grab from beside bridge.

Sampling Data

Sampling Method: Bailer	Tubing Depth (ft):	Distance to River Right:
Sampling Location: South side of Bridge, Bailer grab	Multi Meter Used: Insitu Aqua Troll	Distance to River Left:
Total Depth to Bottom of Channel (ft):	Multi Meter ID: 766679	Distance to River (Right/Left) Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.396394
 Longitude: -78.2679085



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL/LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 12:00	General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAPO321-CFR-TARHEEL-032921	03-29-2021	12:10	7.19	8.53	93.80	70.65	76.61	15.99	Cloudy	None		

Sampling Data

Sampling Method: Peri Pump Grab	Tubing Depth (ft): 14.5	Distance to River Right: 27.8
Sampling Location: Thalweg	Multi Meter Used: Insitu Aqua Troll	Distance to River Left: 56.1
Total Depth to Bottom of Channel (ft): 27.5	Multi Meter ID: 706682	Distance to River (Right/Left) Units: m

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude: 34.7443187207849
 Longitude: -78.7852838834372



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: MARK GUERRA RYAN CARLSON	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 10:10	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-CFR-TARHEEL-21-033021	03-30-2021	08:50	7.32	9.58	120.00	151.94	88.41	17.67	Clear	No		Battery failure with Isco stopped the sample at 21 cycles.

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 03-29-2021 12:50	Multi Meter ID: 706751
ISCO End Date and Time: 03-30-2021 08:50	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	52.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:

Longitude:

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: GBC-5	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 16:50	General Comments: Flow collected at this location, using Marsh McBirney.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-GBC-5-032921	3/29/2021	17:00	5.13	7.95	306.60	2.56	87.69	20.18	Clear	No		

Sampling Data

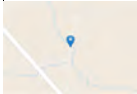
Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	Latitude: 34.8160342106088
Temperature (F): 60.00	Longitude: -78.8325577128635
Sky: Sunny	
Precipitation: None	
Wind (mph): 5	



GPS Location (if collected)

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Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Upstream



Downstream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: Lock-Dam Seep - N	Project Manager: Tracy Ovbey
Samplers: RANDON WEIDNER, JAMES BRIGGS, MARK GUERR	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 14:30	General Comments: Could not find seep due to high water river level.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-Lock-Dam Seep - N-033021												Not able to find seep due to high river water level. No sample taken.

Sampling Data


Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 706751	Flow Rate Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude: 34.8341124581344
 Longitude: -78.823641975066



GPS Location (if collected)

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Water Quality Condition: _____

Water Clarity: _____

Water Color: _____

Water Odor: _____



North side of ramp

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: Lock-Dam Seep	Project Manager: Tracy Ovbey
Samplers: RANDON WEIDNER, JAMES BRIGGS, MARK GUERR	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 14:00	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-LOCK-DAM-SEEP-032921	03-29-2021	14:15	6.34	8.43	66.70	82.28	129.90	19.36	Clear	No		Figured flow rate using a 2 Liter bottle. We took the average of time to fill up. Numbers are 2.04sec, 2.05sec, 2.02sec, and 2.04sec.

Sampling Data

Sampling Method: Bottle Grab

Multi Meter Used: Insitu Aqua Troll Flow Rate:

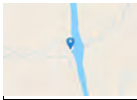
Multi Meter ID: 706751 Flow Rate Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F): 60.00	Latitude: 34.8338701186745
Sky: Sunny	Longitude: -78.8237202945165
Precipitation: None	
Wind (mph): 4	



GPS Location (if collected)

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Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Upstream



Downstream

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-01

Well Diameter: 2 Inches

Samplers: RYAN CARLSON|SCOTT SKRZYDLINSKI

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 19

Pump Loc: within screen

Method: Peristaltic Pump Date: 03-16-2021 Time: 12:47

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.238		
Initial Depth to Water (ft.):	14.81	Depth to Well Bottom (ft.):	28.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:26	15.15	300.00	600.00	3.24	3.09	205.20	10.70	90.00	13.93	Clear	No	-
13:31	15.15	300.00	1500.00	3.27	1.38	214.20	9.50	91.00	13.76	Clear	No	-
13:36	15.15	300.00	1500.00	3.27	1.47	221.00	7.20	92.00	13.66	Clear	No	-
13:41	15.15	300.00	1500.00	3.25	1.37	231.10	6.00	92.00	13.56	Clear	No	-
13:46	15.15	300.00	1500.00	3.26	1.36	235.20	4.20	93.00	13.75	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Date: 03-16-2021 Time: 13:50

Purge Start Time: 13:24

Field Filtered: No

Total Volume Purged (mL): 6600

Field Parameters

STABILIZED PARAMETERS	
pH	3.26
Spec. Cond. (µS/cm)	93.00
Turbidity (NTU)	4.20
Temp. (°C)	13.75
DO (mg/L)	1.36
ORP (mV)	235.20

Screen Interval:

11.0-26.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-LTW-01-031621

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	39.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: DANIELLE DELGADO|MARK GUERRA

Well ID: LTW-02
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 33
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-16-2021 Time: 13:06

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	5.08		
Initial Depth to Water (ft.):	9.25	Depth to Well Bottom (ft.):	41

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:30	9.32	200.00	2000.00	4.86	1.54	216.60	2.28	37.66	15.04	Clear	None	-
13:35	9.33	200.00	1000.00	4.96	0.54	145.70	2.00	40.41	14.78	Clear	None	-
13:40	9.32	200.00	1000.00	4.9	0.23	210.90	2.10	47.86	14.76	Clear	None	-
13:45	9.32	200.00	1000.00	4.91	0.22	212.20	1.86	54.15	14.88	Clear	None	-
13:50	9.32	200.00	1000.00	4.97	0.17	221.00	1.76	52.68	15.03	Clear	None	-
13:55	9.32	200.00	1000.00	4.94	0.16	230.80	1.78	50.68	15.08	Clear	None	-
14:00	9.32	200.00	1000.00	4.97	0.15	217.50	2.39	50.35	15.30	Clear	None	-

Sampling Data

Zero HS:
 Method: Low Flow Date: 03-16-2021 Time: 14:05 Purge Start Time: 13:20
 Field Filtered: No Total Volume Purged (mL): 8000

Field Parameters

STABILIZED PARAMETERS	
pH	4.97
Spec. Cond.(µS/cm)	50.35
Turbidity (NTU)	2.39
Temp.(°C)	15.30
DO (mg/L)	0.15
ORP (mV)	217.50

Screen Interval:

28.0-38.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-LTW-02-031621
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	38.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: LTW-03

Well Diameter: 2 Inches

Samplers: DANIELLE DELGADOJELANI GILL

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 29

Pump Loc: within screen

Method: Peristaltic Pump

Date: 03-09-2021

Time: 11:35

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	3.648
Initial Depth to Water (ft.):	9.95
Depth to Well Bottom (ft.):	32.75

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:50	9.95	220.00	220.00	4.56	0.14	88.20	1.92	82.90	17.55	Clear	No	-
11:55	10.40	220.00	1100.00	4.57	0.11	87.00	2.93	80.83	17.61	Clear	No	-
12:00	10.44	200.00	1000.00	4.55	0.10	84.00	1.29	80.17	17.68	Clear	No	-
12:05	10.49	200.00	1000.00	4.56	0.08	84.50	1.06	81.69	17.73	Clear	No	-
12:10	10.52	200.00	1000.00	4.56	0.07	85.90	1.02	79.51	17.61	Clear	No	-
12:15	10.53	200.00	1000.00	4.56	0.07	87.10	1.78	79.86	17.65	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Date: 03-09-2021 Time: 12:20

Purge Start Time: 11:49

Field Filtered: No

Total Volume Purged (mL): 5320

Field Parameters

STABILIZED PARAMETERS	
pH	4.56
Spec. Cond.(µS/cm)	79.86
Turbidity (NTU)	1.78
Temp.(°C)	17.65
DO (mg/L)	0.07
ORP (mV)	87.10

Screen Interval:

15.0-30.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID:	CAP0321-LTW-03-030921
DuplicateID:	-
QA/QC:	-

ALL PARAMETERS ANALYZED

537 MOD (HOLD)Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: DANIELLE DELGADOJELANI GILL

Well ID: LTW-04
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 26
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-09-2021 Time: 14:27

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	3.597		
Initial Depth to Water (ft.):	6	Depth to Well Bottom (ft.):	28.48

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:25	6.00	180.00	-900.00	3.69	1.42	391.10	5.71	92.14	17.65	Clear	No	-
14:30	6.00	180.00	900.00	3.68	1.44	393.40	5.14	91.99	17.63	Clear	No	-
14:35	8.00	180.00	900.00	3.69	1.32	391.30	3.64	91.63	17.55	Clear	No	-
14:40	7.63	180.00	900.00	3.81	1.43	359.60	1.66	91.03	19.19	Clear	No	-
14:45	7.08	180.00	900.00	4	1.64	337.10	1.01	90.22	21.40	Clear	No	-
14:50	6.53	180.00	900.00	3.92	1.02	354.40	6.01	89.99	17.36	Clear	No	Loss battery power, replaced battery
14:55	8.30	180.00	900.00	3.87	1.04	364.00	4.90	90.23	17.66	Clear	No	-
15:00	8.48	180.00	900.00	3.91	0.97	360.00	4.94	88.98	17.70	Clear	No	-
15:05	8.69	180.00	900.00	3.95	0.87	346.00	3.20	88.30	17.51	Clear	No	-
15:10	8.60	180.00	900.00	4.11	0.70	323.70	2.52	85.48	17.57	Clear	No	Lost power, connected to vehicle
15:20	8.85	200.00	2000.00	4.12	0.65	321.80	3.24	84.89	17.53	Clear	No	-
15:25	9.41	200.00	1000.00	4.15	0.62	313.90	3.35	82.77	17.53	Clear	No	-
15:30	9.05	200.00	1000.00	4.18	0.50	308.10	2.63	82.59	17.63	Clear	No	-
15:34	9.59	200.00	800.00	4.18	0.50	307.10	1.73	81.47	17.44	Clear	No	-
15:40	10.08	200.00	1200.00	4.2	0.48	304.10	3.38	79.66	17.23	Clear	No	-

Sampling Data

Zero HS:
 Method: Low Flow
 Field Filtered: No

Date: 03-09-2021 Time: 15:45

Purge Start Time: 14:30
 Total Volume Purged (mL): 13200

Field Parameters

STABILIZED PARAMETERS	
pH	4.20
Spec. Cond. (µS/cm)	79.66
Turbidity (NTU)	3.38
Temp. (°C)	17.23
DO (mg/L)	0.48
ORP (mV)	304.10

Screen Interval:

12.0-27.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-LTW-04-030921
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: BRANDON SHAFFERIEZIO AMBROSETTI

Well ID: LTW-05
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 36
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-23-2021 Time: 11:30

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	6.3		
Initial Depth to Water (ft.):	8.62	Depth to Well Bottom (ft.):	47.2

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:44	8.68	200.00	400.00	4.17	4.71	209.50	11.63	135.30	16.65	Clear	No	-
11:49	8.72	200.00	1000.00	4.21	1.96	279.30	30.99	126.76	16.79	Clear	No	-
11:54	8.72	200.00	1000.00	4.24	0.51	233.80	24.65	124.55	16.86	Clear	No	-
11:59	8.74	200.00	1000.00	4.22	0.22	200.50	24.43	123.64	16.86	Clear	No	-
12:04	8.74	200.00	1000.00	4.25	0.20	188.90	35.42	123.46	16.88	Clear	No	-
12:09	8.74	200.00	1000.00	4.25	0.19	175.70	44.01	125.63	16.91	Clear	No	-
12:14	8.74	200.00	1000.00	4.28	0.23	159.90	79.16	125.38	16.87	Clear	No	-
12:19	8.74	200.00	1000.00	4.31	0.14	145.80	86.15	124.46	16.89	Clear	No	-
12:24	8.74	200.00	1000.00	4.33	0.15	135.30	100.71	123.71	16.93	Clear	No	-
12:29	8.74	200.00	1000.00	4.27	0.15	131.50	2.25	124.12	17.01	Clear	No	-
12:34	8.74	200.00	1000.00	4.28	0.15	126.80	9.71	123.80	17.05	Clear	No	-

Sampling Data

Zero HS: []
 Method: Low Flow Date: 03-23-2021 Time: 12:40
 Field Filtered: No Purge Start Time: 11:42
 Total Volume Purged (mL): 10400

Field Parameters

STABILIZED PARAMETERS	
pH	4.28
Spec. Cond. (µS/cm)	123.80
Turbidity (NTU)	9.71
Temp. (°C)	17.05
DO (mg/L)	0.15
ORP (mV)	126.80

Screen Interval:

29.0-44.0

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-LTW-05-032321
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	52.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	2

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: OLDOF-2	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 16:24	General Comments: Flow taken at this location, using Marsh Mcbirrney method.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-OLDOF-2-032921	03-29-2021	16:30	4.02	8.19	398.20	7.62	256.21	20.17	Clear	No		

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

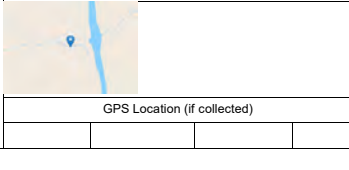
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	60.00	Latitude:	34.8328265
Sky:	Sunny	Longitude:	-78.8259647
Precipitation:	None		
Wind (mph):	5		



Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Downstream towards river



Upstream towards treatment plant

SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="OUTFALL 002"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="MARK GUERRA RYAN CARLSON "/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="03-29-2021"/>	Time: <input type="text" value="12:00"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0321-OU1FALL 002-24-033021	03-30-2021	07:30	7.58	9.56	196.80	97.11	122.50	19.65	Brown	No	MS REP	

Sampling Data

Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="03-29-2021 08:30"/>	Multi Meter ID: <input type="text" value="706751"/>
ISCO End Date and Time: <input type="text" value="03-30-2021 07:30"/>	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:

Longitude:

GPS Location (if collected)

RECORD OF WELL SAMPLING

Site Name:
 Samplers:

Well ID:
 Event:

Well Diameter: Inches
 Project Manager:

Purging Data

Pump Depth:
 Pump Loc:

Method: Date: Time:

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.968		
Initial Depth to Water (ft.):	13.17	Depth to Well Bottom (ft.):	31.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:25	13.17	300.00	-900.00	3.64	0.38	278.00	3.89	147.39	17.49	Clear	No	-
10:31	13.23	300.00	1800.00	3.63	0.38	271.80	4.29	147.39	17.57	Clear	No	-
10:35	13.24	300.00	1200.00	3.64	0.26	285.10	3.18	145.88	17.61	Clear	No	-
10:40	13.24	300.00	1500.00	3.64	0.20	307.70	3.58	144.84	17.65	Clear	No	-
10:45	13.24	300.00	1500.00	3.64	0.20	335.40	3.26	146.45	17.50	Clear	No	-
10:50	13.26	300.00	1500.00	3.64	0.21	357.90	3.33	144.98	17.54	Clear	No	-
10:55	13.26	320.00	1600.00	3.64	0.17	360.50	3.49	147.55	17.48	Clear	No	-
11:00	13.26	320.00	1600.00	3.64	0.11	362.60	2.95	146.50	17.49	Clear	No	-
11:05	13.26	320.00	1600.00	3.63	0.09	361.30	3.13	145.63	17.58	Clear	No	-
11:10	13.26	320.00	1600.00	3.63	0.07	365.90	3.06	145.21	17.57	Clear	No	-
11:15	13.26	320.00	1600.00	3.63	0.07	366.00	3.29	144.92	17.54	Clear	No	-

Sampling Data

Zero HS:
 Method:
 Field Filtered:

Date: Time:

Purge Start Time:
 Total Volume Purged (mL):

Field Parameters

STABILIZED PARAMETERS	
pH	3.63
Spec. Cond.(µS/cm)	144.92
Turbidity (NTU)	3.29
Temp.(°C)	17.54
DO (mg/L)	0.07
ORP (mV)	366.00

Screen Interval:

24.5 to 29.5

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID:
 DuplicateID:
 QA/QC:

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: JELANI GILL|SHAWN ANDRUKATES

Well ID: PIW-1S
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 17
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-11-2021 Time: 11:55

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	0.915		
Initial Depth to Water (ft.):	16.23	Depth to Well Bottom (ft.):	21.95

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:00	16.23		0.00	3.68	6.89	323.90	12.80	34.79	18.87	Clear	No	-
12:05	16.34	280.00	1400.00	3.67	6.96	318.10	12.73	37.67	18.72	Clear	No	-
12:10	16.35	280.00	1400.00	3.6	6.48	309.10	14.43	25.72	18.94	Clear	No	-
12:15	16.35	280.00	560.00	3.53	6.23	305.50	3.40	21.67	19.12	Clear	No	-
12:20	16.35	280.00	1400.00	4.02	3.66	383.40	4.18	188.98	18.93	Clear	No	-
12:25	16.35	280.00	1400.00	3.88	3.46	426.60	3.60	188.49	19.09	Clear	No	-
12:30	16.35	280.00	1400.00	3.88	3.44	438.40	4.18	187.46	19.08	Clear	No	-
12:35	16.35	280.00	1400.00	3.94	3.42	437.70	3.96	191.77	19.41	Clear	No	-

Sampling Data

Zero HS:
 Method: Low Flow
 Field Filtered: No

Date: 03-11-2021 Time: 12:40

Purge Start Time: 12:02
 Total Volume Purged (mL): 8960

Field Parameters

STABILIZED PARAMETERS	
pH	3.94
Spec. Cond. (µS/cm)	191.77
Turbidity (NTU)	3.96
Temp. (°C)	19.41
DO (mg/L)	3.42
ORP (mV)	437.70

Screen Interval:

7.8 - 17.8

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PIW-1S-031121
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-3D

Well Diameter: 2 Inches

Samplers: DANIELLE DELGADO/MARK GUERRA

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 22

Pump Loc: within screen

Method: Peristaltic Pump Date: 03-16-2021 Time: 14:38

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	1.86		
Initial Depth to Water (ft.):	15.38	Depth to Well Bottom (ft.):	26.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:55	15.47	200.00	2000.00	5.09	0.18	29.40	6.92	71.73	13.46	Clear	None	-
15:00	15.49	200.00	1000.00	4.94	0.14	19.80	5.93	71.25	14.05	Clear	None	-
15:05	15.51	200.00	1000.00	5.16	0.15	2.80	9.32	73.30	14.02	Clear	None	-
15:10	15.48	200.00	1000.00	4.97	0.14	3.60	4.01	69.93	13.78	Clear	None	-
15:15	15.49	200.00	1000.00	5.12	0.14	3.10	4.86	70.40	14.21	Clear	None	-
15:20	15.50	200.00	1000.00	5.01	0.13	3.40	3.93	70.20	13.86	Clear	None	-
15:25	15.51	200.00	1000.00	4.99	0.12	3.50	2.36	69.78	14.41	Clear	None	-
15:30	15.39	200.00	1000.00	4.95	0.11	3.30	2.89	70.01	14.29	Clear	14.30	-

Sampling Data

Zero HS: []

Method: Low Flow

Field Filtered: No

Date: 03-16-2021 Time: 15:30

Purge Start Time: 14:45

Total Volume Purged (mL): 9000

Field Parameters

STABILIZED PARAMETERS	
pH	4.95
Spec. Cond. (µS/cm)	70.01
Turbidity (NTU)	2.89
Temp. (°C)	14.29
DO (mg/L)	0.11
ORP (mV)	3.30

Screen Interval:

19 - 24

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PIW-3D-031621
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	43.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: RYAN CARLSON|SHAWN ANDRUKATES

Well ID: PIW-7D
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 31
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-23-2021 Time: 10:20

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	4.704		
Initial Depth to Water (ft.):	4.6	Depth to Well Bottom (ft.):	34

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	4.58	350.00	1750.00	5.61	5.31	71.80	29.20	68.00	16.02	Clear	No	-
10:50	4.58	350.00	1750.00	5.06	3.14	89.30	19.40	78.00	16.07	Clear	No	-
10:55	4.58	350.00	1750.00	4.95	2.28	96.70	18.10	81.00	16.11	Clear	No	-
11:00	4.58	350.00	1750.00	4.88	1.81	104.90	17.90	83.00	16.13	Clear	No	-
11:05	4.58	350.00	1750.00	4.84	1.52	111.10	12.30	84.00	16.17	Clear	No	-
11:10	4.58	350.00	1750.00	4.84	1.40	115.30	1.10	85.00	16.18	Clear	No	-
11:15	4.58	350.00	1750.00	4.84	1.39	118.70	1.00	84.00	16.22	Clear	No	-

Sampling Data

Zero HS:
 Method: Low Flow
 Field Filtered: No

Date: 03-23-2021 Time: 11:20

Purge Start Time: 10:40
 Total Volume Purged (mL): 12250

Field Parameters

STABILIZED PARAMETERS	
pH	4.84
Spec. Cond.(µS/cm)	84.00
Turbidity (NTU)	1.00
Temp.(°C)	16.22
DO (mg/L)	1.39
ORP (mV)	118.70

Screen Interval:

29 - 34

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PIW-7D-032321
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	11

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PIW-7S

Well Diameter: 2 Inches

Samplers: RYAN CARLSON|SHAWN ANDRUKATES

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 12
Pump Loc: within screen

Method: Peristaltic Pump Date: 03-23-2021 Time: 11:39

WATER VOLUME CALCULATION	
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot	
Water Volume =	2.352
Initial Depth to Water (ft.):	4.3
Depth to Well Bottom (ft.):	19

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:45	5.07	370.00	1480.00	5.21	4.87	120.20	48.30	116.00	14.73	Orange, cloudy	No	-
11:50	5.07	370.00	1850.00	5.28	2.55	115.00	30.20	117.00	14.93	Slightly orange.	No	-
11:55	5.07	370.00	1850.00	5.39	1.02	108.60	18.70	117.00	15.17	Clear	No	-
12:00	5.07	370.00	1850.00	5.48	0.92	98.80	12.10	117.00	15.40	Clear	No	-
12:05	5.07	370.00	1850.00	5.53	0.89	92.10	7.10	117.00	15.51	Clear	No	-
12:10	5.07	370.00	1850.00	5.57	0.83	88.30	4.50	117.00	15.57	Clear	No	-
12:15	5.07	370.00	1850.00	5.63	0.82	83.50	5.40	118.00	15.64	Clear	No	-
12:20	5.07	370.00	1850.00	5.66	0.82	80.50	3.50	118.00	15.68	Clear	No	-

Sampling Data

Zero HS: []
Method: Low Flow []
Field Filtered: No

Date: 03-23-2021 Time: 12:30

Purge Start Time: 11:41
Total Volume Purged (mL): 14430

Field Parameters

STABILIZED PARAMETERS	
pH	5.66
Spec. Cond. (µS/cm)	118.00
Turbidity (NTU)	3.50
Temp. (°C)	15.68
DO (mg/L)	0.82
ORP (mV)	80.50

Screen Interval:

7 - 17

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PIW-7S-032321
Duplicate ID: -
QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	59.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-04

Well Diameter: 2 Inches

Samplers: JELANI GILL|SHAWN ANDRUKATES

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 26

Pump Loc: within screen

Method: Peristaltic Pump

Date: 03-11-2021

Time: 13:35

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume =	1.56
Initial Depth to Water (ft.):	21.25
Depth to Well Bottom (ft.):	30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:45	21.25	200.00	-800.00	3.28	0.18	487.60	4.40	258.34	21.06	Clear	No	-
13:50	22.09	200.00	200.00	3.27	0.18	487.70	4.11	267.03	21.17	Clear	No	-
13:55	22.15	180.00	900.00	3.28	0.16	482.20	4.18	260.90	21.76	Clear	No	-
14:00	22.30	180.00	900.00	3.29	0.14	475.70	4.24	265.35	21.85	Clear	No	-
14:05	21.35	180.00	900.00	3.28	0.14	471.40	4.19	265.76	21.80	Clear	No	-
14:09	22.40	180.00	720.00	3.28	0.14	469.10	4.23	270.25	21.56	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Date: 03-11-2021 Time: 14:15

Purge Start Time: 13:49

Field Filtered: No

Total Volume Purged (mL): 2820

Field Parameters

STABILIZED PARAMETERS	
pH	3.28
Spec. Cond.(µS/cm)	270.25
Turbidity (NTU)	4.23
Temp.(°C)	21.56
DO (mg/L)	0.14
ORP (mV)	469.10

Screen Interval:

17 - 27

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

Sample ID: CAP0321-PW-04-031121

DuplicateID: -

QA/QC: -

WEATHER CONDITIONS

Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-06

Well Diameter: 2 Inches

Samplers: RYAN CARLSON TYLER PORRITT

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 24

Pump Loc: within screen

Method: Peristaltic Pump Date: 03-16-2021 Time: 11:17

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.421		
Initial Depth to Water (ft.):	17.68	Depth to Well Bottom (ft.):	32.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
24 hr												
11:43	19.39	250.00	2250.00	4.42	32.76	176.80	5.50	37.00	12.26	Clear	No	-
11:48	19.39	250.00	1250.00	4.3	33.70	171.20	6.70	36.00	12.64	Clear	No	-
11:53	19.39	250.00	1250.00	4.19	33.95	169.30	6.40	36.00	12.96	Clear	No	-
11:58	19.39	250.00	1250.00	4.15	34.87	164.90	4.80	37.00	13.50	Clear	No	-
12:03	19.39	250.00	1250.00	4.15	35.01	160.80	4.00	38.00	13.46	Clear	No	-
12:08	19.39	250.00	1250.00	4.15	35.17	158.50	3.70	38.00	13.59	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 03-16-2021 Time: 12:10

Purge Start Time: 11:34

Total Volume Purged (mL): 8500

Field Parameters

STABILIZED PARAMETERS	
pH	4.15
Spec. Cond. (µS/cm)	38.00
Turbidity (NTU)	3.70
Temp. (°C)	13.59
DO (mg/L)	35.17
ORP (mV)	158.50

Screen Interval:

19 - 29

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PW-06-031621

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	38.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-07

Well Diameter: 2 Inches

Samplers: RYAN CARLSON TYLER PORRITT

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30.7

Pump Loc: within screen

Method: Double valve pump Date: 03-09-2021 Time: 14:24

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	2.28		
Initial Depth to Water (ft.):	27.57	Depth to Well Bottom (ft.):	41.82

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
24 hr												
14:55	27.76	280.00	4200.00	4.21	8.39	124.30	1.40	26.00	19.32	Clear	No	-
15:00	27.76	280.00	1400.00	4.04	8.39	135.00	1.50	25.00	19.23	Clear	No	-
15:05	27.76	280.00	1400.00	4.04	8.42	137.90	1.70	25.00	19.17	Clear	No	-
15:10	27.76	280.00	1400.00	4.05	8.45	139.50	1.70	25.00	19.20	Clear	No	-
15:15	27.76	280.00	1400.00	4.1	8.50	139.40	1.60	25.00	19.17	Clear	No	-
15:20	27.76	280.00	1400.00	4.12	8.47	141.20	1.70	25.00	19.14	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 03-09-2021 Time: 15:30

Purge Start Time: 14:40

Total Volume Purged (mL): 11200

Field Parameters

STABILIZED PARAMETERS	
pH	4.12
Spec. Cond. (µS/cm)	25.00
Turbidity (NTU)	1.70
Temp. (°C)	19.14
DO (mg/L)	8.47
ORP (mV)	141.20

Screen Interval:

28 - 38

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-PW-07-030921

Duplicate ID: -

QA/QC: -

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-09

Well Diameter: 2 Inches

Samplers: RYAN CARLSON TYLER PORRITT

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 49

Pump Loc: within screen

Method: Peristaltic Pump

Date: 03-11-2021 Time: 13:08

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	5.384		
Initial Depth to Water (ft.):	24.05	Depth to Well Bottom (ft.):	57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:21	27.17	350.00	23800.00	9.6	6.38	193.30	57.20	156.00	20.69	Clear	No	Sonde internal batteries died, had to replace batteries.
14:26	27.19	350.00	2100.00	10.65	0.73	144.40	58.90	156.00	19.83	Clear	No	-
14:31	27.36	350.00	1750.00	10.61	0.64	130.80	45.80	154.00	19.91	C	No	-
14:36	27.14	200.00	1000.00	10.68	0.30	124.10	29.90	154.00	19.96	Clear	No	-
14:41	27.14	200.00	1000.00	10.65	0.46	118.40	34.10	154.00	19.98	Clear	No	-
14:46	27.14	200.00	1000.00	10.51	0.41	113.50	56.80	153.00	20.03	Clear	No	-
14:51	27.14	200.00	1000.00	10.03	0.19	109.90	68.10	153.00	19.86	Clear	No	-
14:56	27.14	200.00	1000.00	9.85	0.14	109.10	69.10	152.00	19.95	Clear	No	-
15:01	27.14	200.00	1000.00	9.74	0.11	107.60	56.40	152.00	20.20	Clear	No	-
15:06	27.14	200.00	1000.00	9.62	0.16	102.50	48.10	143.00	20.38	Clear	No	-
15:11	27.14	200.00	1000.00	9.54	0.13	99.20	63.00	135.00	20.01	Clear	No	-
15:16	27.14	200.00	1000.00	9.48	0.13	97.60	67.60	130.00	20.07	Clear	No	-
15:21	27.14	200.00	1000.00	9.33	0.17	96.00	73.10	126.00	20.65	Clear	No	-
15:26	27.14	200.00	1000.00	9.26	0.25	94.00	68.20	127.00	21.23	Clear	No	-
15:31	27.14	200.00	1000.00	9.3	0.41	85.80	62.80	127.00	21.80	Clear	No	-
15:36	27.14	200.00	1000.00	9.29	0.65	84.80	61.90	128.00	21.98	Clear	No	-
15:41	27.14	200.00	1000.00	9.28	0.36	84.10	60.90	129.00	22.19	Clear	No	-
15:46	27.14	200.00	1000.00	9.28	0.29	83.50	60.20	129.00	22.38	Clear	No	-
15:51	27.14	200.00	1000.00	9.28	0.34	82.90	59.20	130.00	22.54	Clear	No	-
15:56	27.14	200.00	1000.00	9.27	0.46	82.50	58.30	131.00	22.69	Clear	No	-
16:00	27.14	200.00	800.00	9.26	0.58	81.70	58.10	133.00	23.33	Clear	No	Due to time constraints and turbidity not stabilizing this will be our last parameter for today and another team will continue tomorrow.

Sampling Data

Zero HS:

Method: Five Well Volume

Date: - Time: -

Purge Start Time: 13:13

Total Volume Purged (mL): 45450

Field Filtered: -

Field Parameters

STABILIZED PARAMETERS	
pH	9.26
Spec. Cond. (µS/cm)	133.00
Turbidity (NTU)	58.10
Temp. (°C)	23.33
DO (mg/L)	0.58
ORP (mV)	81.70

Screen Interval:

44 - 54

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

ALL PARAMETERS ANALYZED			
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Sample ID: -
Duplicate ID: -
QA/QC: -

WEATHER CONDITIONS

Temperature (F):	72.00
Sky:	Partly Sunny
Precipitation:	None

Wind (mph)

14

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PW-09

Well Diameter: 1.5 Inches

Samplers: JAMES BRIGGISHAWN ANDRUKATES

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30

Pump Loc: within screen

Method: Peristaltic Pump

Date: 03-12-2021

Time: 10:00

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	3.099		
Initial Depth to Water (ft.):	24.02	Depth to Well Bottom (ft.):	57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:10	25.72	175.00	1575.00	9.54	0.16	-75.00	71.86	103.90	17.95	Clear	None	Continuation from previous day.
10:15	26.10	175.00	875.00	9.92	0.18	-127.80	56.40	127.33	18.22	Clear	None	-
10:20	27.92	175.00	875.00	10.1	0.11	-153.10	58.63	116.73	18.34	Clear	None	-
10:25	27.10	175.00	875.00	10.2	0.18	-163.00	57.60	153.07	18.51	Clear	None	-
10:30	27.20	175.00	875.00	10.31	0.12	-109.23	55.02	156.96	18.80	Clear	None	-
10:35	27.20	175.00	875.00	9.86	0.10	-182.30	80.77	125.40	18.88	Clear	None	-
10:40	27.00	175.00	875.00	9.28	0.11	-223.00	90.82	116.73	19.18	Clear	None	-
10:45	26.95	175.00	875.00	8.98	0.09	-245.40	80.39	109.07	19.34	Clear	None	-
10:50	26.92	175.00	875.00	8.95	0.09	-186.00	78.55	107.06	19.50	Clear	None	-
10:55	26.87	175.00	875.00	8.87	0.08	-179.10	66.84	103.68	19.68	Clear	None	-
11:00	26.84	175.00	875.00	8.72	0.08	-177.50	77.02	102.41	19.69	Clear	None	-
11:05	26.82	175.00	8.00	8.65	0.08	-178.80	71.72	100.84	19.70	Clear	None	-
11:10	26.80	175.00	875.00	8.59	0.08	-180.00	64.78	99.29	19.72	Clear	None	-
11:15	26.82	175.00	875.00	8.53	0.08	-182.40	68.33	98.80	19.47	Clear	None	-
11:20	26.82	175.00	875.00	8.46	0.08	-184.30	72.25	97.65	19.25	Clear	None	-
11:25	26.82	175.00	875.00	8.38	0.08	-194.00	62.07	96.70	19.15	Clear	None	-
11:30	26.85	175.00	875.00	8.25	0.08	-197.60	68.98	95.11	19.28	Clear	None	-
11:35	27.83	175.00	875.00	8.26	0.08	-198.00	66.01	94.01	19.22	Clear	None	-
11:40	27.82	175.00	875.00	8.13	0.08	-203.50	66.60	93.52	19.17	Clear	None	-
11:45	26.85	175.00	875.00	8.07	0.08	-206.10	48.68	92.68	19.47	Clear	None	-
11:50	26.85	175.00	875.00	8.02	0.07	-212.50	74.62	92.42	19.20	Clear	None	-
11:55	26.85	175.00	875.00	7.93	0.08	-216.50	53.92	92.01	19.33	Clear	None	-
12:00	26.85	175.00	875.00	7.9	0.07	-218.90	55.59	91.53	19.53	Clear	None	-
12:05	26.85	175.00	875.00	7.81	0.07	-218.70	57.79	90.61	19.68	Clear	None	-
12:10	26.85	175.00	875.00	7.81	0.07	-222.30	42.81	89.73	20.04	Clear	None	-
12:15	26.88	175.00	875.00	7.78	0.07	-218.30	53.39	89.34	20.63	Clear	None	-
12:20	26.85	175.00	875.00	7.72	0.07	-224.90	49.65	88.52	20.72	Clear	None	-
12:25	26.86	175.00	875.00	7.68	0.07	-229.60	46.31	88.02	20.53	Clear	None	-
12:30	26.86	175.00	875.00	7.63	0.07	-234.90	52.49	87.50	20.36	Clear	None	-
12:35	26.86	175.00	875.00	7.61	0.07	-238.50	37.16	87.05	20.50	Clear	None	-
12:40	26.86	178.00	890.00	7.59	0.07	-240.80	47.61	86.11	20.36	Clear	None	-

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: Yes

Date: 03-12-2021

Time: 12:45

Purge Start Time: 10:01

Total Volume Purged (mL): 26973

Field Parameters

STABILIZED PARAMETERS	
pH	7.59
Spec. Cond.(µS/cm)	86.11
Turbidity (NTU)	47.61
Temp.(°C)	20.36
DO (mg/L)	0.07
ORP (mV)	-240.80

Screen Interval:

44 - 54

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Sample ID:	CAP0321-PW-09-031221-Z
DuplicateID:	-
QA/QC:	-

Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: PZ-22

Well Diameter: 0.75 Inches

Samplers: BRANDON SHAFFERIEZIO AMBROSETTI

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 42

Pump Loc: within screen

Method: Peristaltic Pump

Date: 03-23-2021

Time: 13:40

WATER VOLUME CALCULATION

= (Total Depth of Well - Depth To Water) x Casing Volume per Foot

Water Volume = 1.02
 Initial Depth to Water (ft.): 6.35 Depth to Well Bottom (ft.): 50.88

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:51	-	100.00	500.00	3.93	0.85	280.30	0.00	146.72	17.00	Clear	No	Unable to fit water level and tubing down well simultaneously
13:56	-	100.00	1000.00	4.24	0.23	259.90	0.00	112.81	16.94	Clear	No	-
14:01	-	100.00	1500.00	4.34	0.15	218.40	0.00	110.80	16.93	Clear	No	-
14:06	-	100.00	2000.00	4.38	0.11	293.40	0.68	108.77	16.92	Clear	No	-
14:11	-	100.00	2500.00	4.42	0.10	224.10	2.37	108.14	16.97	Clear	No	-
14:16	-	100.00	3000.00	4.43	0.09	187.40	6.09	107.72	16.95	Clear	No	-
14:21	-	100.00	3500.00	4.46	0.09	156.60	14.14	116.86	16.94	Clear	No	-
14:26	-	100.00	4000.00	4.46	0.09	137.60	14.75	116.49	17.01	Clear	No	-
14:31	-	100.00	4500.00	4.46	0.09	125.00	18.45	116.31	16.96	Clear	No	-
14:36	-	100.00	5000.00	4.47	0.09	112.70	11.91	115.80	16.96	Clear	No	-
14:41	-	100.00	5500.00	4.47	0.09	104.40	11.72	115.72	16.97	Clear	No	-
14:46	-	100.00	6000.00	4.48	0.09	99.50	15.77	115.09	16.99	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Field Filtered: No

Date: 03-23-2021 Time: 14:50

Purge Start Time:

13:49

Total Volume Purged (mL):

6000

Field Parameters

STABILIZED PARAMETERS	
pH	4.48
Spec. Cond. (µS/cm)	115.09
Turbidity (NTU)	15.77
Temp. (°C)	16.99
DO (mg/L)	0.09
ORP (mV)	99.50

Screen Interval:

36.0-46.0

SAMPLE SET

Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

Sample ID: CAP0321-PZ-22-032321
 Duplicate ID: -
 QA/QC: -

WEATHER CONDITIONS

Temperature (F):	59.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	1

SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="RIVER WATER INTAKE"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="CHARLES PACE JELANI GILL "/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="03-30-2021"/>	Time: <input type="text" value="15:30"/>	General Comments: <input type="text"/>

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER WATER INTAKE-24-033021	03-30-2021	07:06	7.39	8.83	259.90	65.76	88.27	20.12	Brown	No	DUP	

Sampling Data

Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="03-29-2021 08:06"/>	Multi Meter ID: <input type="text" value="706751"/>
ISCO End Date and Time: <input type="text" value="03-30-2021 07:06"/>	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:

Longitude:

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="SEEP-A-1"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="CHARLES PACE JELANI GILL "/>	Sampling Event: <input type="text" value="Monthly CAP"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="03-30-2021"/>	Time: <input type="text" value="14:57"/>	General Comments: <input type="text" value="Sample taken before flow through cell construction."/>

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAPO321-SEEP-A-1-24-033021	03-30-2021	07:18	4.33	8.52	335.20	322.94	117.92	23.66	Brown	No		

Sampling Data

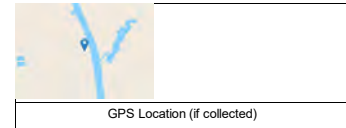
Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="03-29-2021 08:18"/>	Multi Meter ID: <input type="text" value="766679"/>
ISCO End Date and Time: <input type="text" value="03-30-2021 07:18"/>	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	<input type="text" value="34.8452551"/>
Longitude:	<input type="text" value="-78.8255581"/>



Sample location

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-1	Project Manager: Tracy Ovbey
Samplers: CHARLES PACE JELANI GILL	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-30-2021	Time: 13:07	General Comments: Sample location above flow through cell construction in impoundment pond.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAPO321-SEEP-B-1-24-033121	03-31-2021	07:24	4.08	7.99	381.40	266.46	106.25	21.08	Murky	No		

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 03-30-2021 08:24	Multi Meter ID: 766679
ISCO End Date and Time: 03-31-2021 07:24	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8420652
Longitude:	78.8252826

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-1-C1	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 14:10	General Comments: Only flow collected, where Seep B Large flume south was.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
												No sample taken.

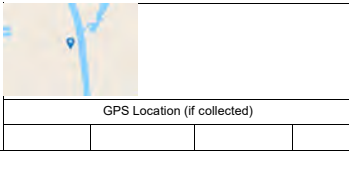
Sampling Data

Sampling Method:	Multi Meter Used:	Flow Rate:
	Multi Meter ID:	Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	Latitude: 34.8420652
Temperature (F): 58.00	Longitude: -78.8252826
Sky: Sunny	
Precipitation: None	
Wind (mph): 5	



Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Upstream



Downstream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-1-C2	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 14:19	General Comments: Only flow collected at location.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
												No sample taken.

Sampling Data

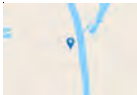
Sampling Method: Multi Meter Used: Flow Rate:

Multi Meter ID: Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS		Latitude: 34.8422741
Temperature (F):	55.00	Longitude: -78.8252592
Sky:	Sunny	
Precipitation:	None	
Wind (mph)	5	



GPS Location (if collected)			

Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Upstream



Downstream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-B-1-C3	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 14:25	General Comments: Only flow collected at this location. Close to where SEEP B large flume south was.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
												No sample taken.

Sampling Data

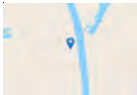
Sampling Method: Multi Meter Used: Flow Rate:

Multi Meter ID: Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS		Latitude: 34.8422904
Temperature (F):	55.00	Longitude: -78.8251886
Sky:	Sunny	
Precipitation:	None	
Wind (mph)	5	



GPS Location (if collected)			

Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Upstream



Downstream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-C-1	Project Manager: Tracy Ovbey
Samplers: CHARLES PACE JELANI GILL	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-30-2021	Time: 13:01	General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAPO321-SEEP-C-1-24-033021	03-30-2021	07:36	7.43	7.07	181.70	0.30	107.69	21.70	Clear	No		

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 03-29-2021 08:36	Multi Meter ID: 766679
ISCO End Date and Time: 03-30-2021 07:36	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:

Longitude:

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-D2-B1	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 15:27	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-SEEP-D2-B1-033021	3/30/2021	14:10	3.83	7.83	394.60	0.85	140.59	20.04	Clear	No		Flow was collected on 3/29, sample taken 3/30.

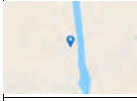
Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HPFO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HPFO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	Latitude: 34.8376455
Temperature (F): 60.00	Longitude: -78.8245598
Sky: Sunny	
Precipitation: None	
Wind (mph): 5	



GPS Location (if collected)			

Water Quality Condition:	
Water Clarity:	
Water Color:	
Water Odor:	



Upstream



Downstream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-D-C1	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 15:53	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-SEEP-D-C1-033021	3/30/2021	14:00	4.70	8.17	205.00	0.37	66.71	20.12	Clear	No		Flow taken on 3/29. sample taken on 3/30.

Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

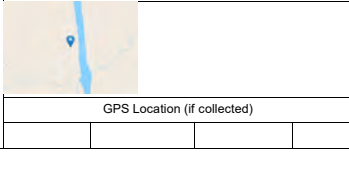
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HPFO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HPFO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	60.00	Latitude:	34.8372815
Sky:	Sunny	Longitude:	-78.8247044
Precipitation:	None		
Wind (mph):	5		



Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Looking downstream



Upstream, some seeps in background not captured due to no channelized flow

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: SEEP-D-D1	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 15:47	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-SEEP-D-D1-033021	3/30/2021	14:05	3.88	6.96	397.40	0.18	192.43	20.94	Clear	No		Flow collected 3/29, sample collected 3/30.

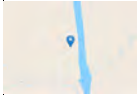
Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HPFO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HPFO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	Latitude: 34.8373897
Temperature (F): 60.00	Longitude: -78.8246419
Sky: Sunny	
Precipitation: None	
Wind (mph): 5	



GPS Location (if collected)

Water Quality Condition: _____

Water Clarity: _____

Water Color: _____

Water Odor: _____



Upstream



Downstream

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-10

Well Diameter: 2 Inches

Samplers: RYAN CARLSON TYLER PORRITT

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 44

Pump Loc: within screen

Method: Peristaltic Pump Date: 03-11-2021 Time: 09:56

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	3.771		
Initial Depth to Water (ft.):	28.53	Depth to Well Bottom (ft.):	52.1

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:26	28.56	250.00	250.00	4.51	2.42	190.10	8.40	68.00	18.92	Clear	No	-
10:31	28.56	250.00	1250.00	4.5	1.95	179.00	0.90	66.00	18.73	Clear	No	-
10:36	28.56	250.00	1250.00	4.54	1.94	176.80	4.50	65.00	18.65	Clear	No	-
10:41	28.56	250.00	1250.00	5.01	1.33	166.60	3.40	64.00	18.68	Clear	No	-
10:46	28.56	250.00	1250.00	5.25	1.26	160.80	1.00	65.00	18.69	Clear	No	-
10:51	28.56	250.00	1250.00	5.94	0.79	152.80	0.60	65.00	18.74	Clear	No	-
10:56	28.56	250.00	1250.00	5.96	0.76	150.00	0.90	65.00	18.76	Clear	No	-
11:01	28.56	250.00	1250.00	5.99	0.73	148.00	0.70	65.00	18.78	Clear	No	-

Sampling Data

Zero HS:

Method: Low Flow

Date: 03-11-2021 Time: 11:10

Purge Start Time: 10:25

Total Volume Purged (mL): 9000

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	5.99
Spec. Cond. (µS/cm)	65.00
Turbidity (NTU)	0.70
Temp. (°C)	18.78
DO (mg/L)	0.73
ORP (mV)	148.00

Screen Interval:

39 to 49

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-SMW-10-031121
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville
 Samplers: BRANDON WEIDNER|SHAWN ANDRUKATES

Well ID: SMW-11
 Event: Monthly CAP

Well Diameter: 2 Inches
 Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 18
 Pump Loc: within screen

Method: Peristaltic Pump Date: 03-09-2021 Time: 14:30

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	-1.795		
Initial Depth to Water (ft.):	11.22	Depth to Well Bottom (ft.):	

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:45	11.34	440.00	2200.00	3.9	6.40	59.30	5.80	0.04	16.26	Clear	None	-
14:50	11.32	440.00	2200.00	3.74	6.08	73.70	5.30	0.04	16.16	Clear	No	-
14:55	11.32	440.00	2200.00	3.62	6.05	85.80	0.90	0.05	16.12	Clear	None	-
15:00	11.34	440.00	2200.00	3.58	6.02	91.30	1.60	0.05	16.09	Clear	No	-
15:05	11.34	440.00	2200.00	3.59	5.98	95.00	0.00	0.05	16.13	Clear	No	-
15:10	11.34	440.00	2200.00	3.6	5.97	97.80	0.00	0.05	16.13	Clear	No	-
15:15	11.34	440.00	2200.00	3.58	5.96	99.10	0.00	0.05	16.15	Clear	No	-

Sampling Data

Zero HS:
 Method: Low Flow
 Field Filtered: No

Date: 03-09-2021 Time: 15:20

Purge Start Time: 14:40
 Total Volume Purged (mL): 15400

Field Parameters

STABILIZED PARAMETERS	
pH	3.58
Spec. Cond.(µS/cm)	0.05
Turbidity (NTU)	0.00
Temp.(°C)	16.15
DO (mg/L)	5.96
ORP (mV)	99.10

Screen Interval:

13 to 23

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-SMW-11-030921
 DuplicateID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
537 MOD (HOLD) Table 3+ (21)(HL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville

Well ID: SMW-12

Well Diameter: 2 Inches

Samplers: RYAN CARLSON TYLER PORRITT

Event: Monthly CAP

Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 93

Pump Loc: within screen

Method: Double valve pump Date: 03-09-2021 Time: 12:50

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	3.23		
Initial Depth to Water (ft.):	78.81	Depth to Well Bottom (ft.):	99

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:00	78.84	200.00	1200.00	3.53	1.20	122.00	23.10	170.00	19.25	Clear	No	-
13:05	78.84	200.00	1000.00	3.35	0.55	126.40	18.70	172.00	18.98	Clear	No	-
13:10	78.84	200.00	1000.00	3.37	0.47	125.40	19.00	171.00	18.98	Clear	No	-
13:15	78.84	200.00	1000.00	3.39	0.41	123.80	22.00	171.00	18.97	Clear	No	-
13:20	78.84	200.00	1000.00	3.41	0.39	122.50	24.40	171.00	18.93	Clear	No	-
13:25	78.84	200.00	1000.00	3.42	0.36	121.40	20.40	172.00	18.98	Clear	No	-
13:30	78.84	200.00	1000.00	3.42	0.37	121.10	17.60	171.00	18.78	Clear	No	-
13:35	78.84	200.00	1000.00	3.42	0.35	121.60	12.10	170.00	18.45	Clear	No	-
13:40	78.84	200.00	1000.00	3.42	0.36	122.10	2.00	170.00	18.47	Clear	No	-
13:45	78.84	200.00	1000.00	3.42	0.37	122.40	7.50	170.00	18.44	Clear	No	-

Sampling Data

Zero HS: []

Method: Low Flow

Field Filtered: No

Date: 03-09-2021 Time: 13:55

Purge Start Time: 12:54

Total Volume Purged (mL): 10200

Field Parameters

STABILIZED PARAMETERS	
pH	3.42
Spec. Cond. (µS/cm)	170.00
Turbidity (NTU)	7.50
Temp. (°C)	18.44
DO (mg/L)	0.37
ORP (mV)	122.40

Screen Interval:

88 to 98

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

Sample ID: CAP0321-SMW-12-030921
 Duplicate ID: -
 QA/QC: -

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (Hold)

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: WC-1-TR2	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 09:47	General Comments: Flow taken using Hach flow meter, see separate form.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-WC-1-TR2-032921	03-29-2021	10:00	4.61	9.31	239.10	3.83	150.25	15.27	Clear	No		

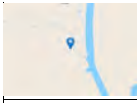
Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	Latitude: 34.851819
Temperature (F): 65.00	Longitude: -78.8292071
Sky: Sunny	
Precipitation: None	
Wind (mph): 9	



GPS Location (if collected)			

Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Inundated Willis creek



Sample location

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: WC-5	Project Manager: Tracy Ovbey
Samplers: ALLISON HARRIS CHARLES PACE	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 11:19	General Comments: Flow collected using Hach Flow meter, see additional form.

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-WC-5-032921	03-29-2021	11:00	5.70	8.64	149.80	2.06	86.49	17.57	Clear	No		Sample is composite of both sides of stream.

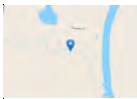
Sampling Data

Sampling Method: Bottle Grab	Multi Meter Used: Insitu Aqua Troll	Flow Rate:
	Multi Meter ID: 766679	Flow Rate Units:

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	Latitude: 34.8544637
Temperature (F): 65.00	Longitude: -78.8313199
Sky: Sunny	
Precipitation: None	
Wind (mph): 5	



GPS Location (if collected)			

Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:



Sample location, note divided stream.



Other side of divided stream

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER/MATT SCHEUERER	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-06-2021	Time: 11:50	General Comments: All gauges are inaccessible due to flooding. Samples collected with bailer

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-010621	01-06-2021	12:10	01-06-2021	12:07	7.82	8.82	24.80	64.15	171.04	11.99	Cloudy	NA	-	-

Sampling Data

Sampling Method: Bailer

ISCO Start Date and Time: -

ISCO End Date and Time: -

Multi Meter Used: Insitu Aqua Troll

Multi Meter ID: 706720

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude: -

Longitude: -

Staff Gauge Water Level Reading (ft): -

Temperature Reading (degrees C): -

Rain Reading (mm): -

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: LUKE TARTIMARK GUERRA	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-07-2021	Time: 10:48	General Comments: Staff gauge overtaken by river

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-010721	01-07-2021	11:00	01-07-2021	11:00	8.17	9.84	48.60	51.68	259.99	11.56	Cloudy	None	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

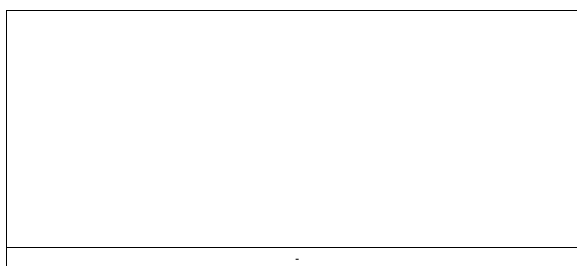
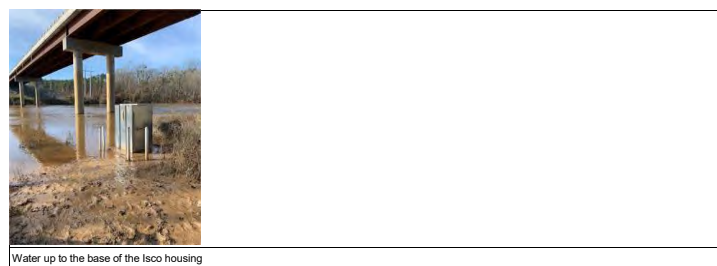
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	47.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449940912547
Longitude:	-78.7851907001658
Staff Gauge Water Level Reading (ft):	
Temperature Reading (degrees C):	11
Rain Reading (mm)	68



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: LUKE TARTIMARK GUERRA	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-11-2021	Time: 10:17	General Comments: River has receded from shore and staff gauge is visible

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-011121	01-11-2021	10:30	01-11-2021	10:30	8.05	9.80	31.50	130.00	230.41	9.70	Murky	None	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle		Pres.	Method	
PFAS	2-250 mL poly		NP	537 Mod Including HFPO-DA	
PFAS	250 mL poly		NP	Table 3+ (19)(LL)	
PFAS	250 mL poly		NP	Table 3+ (20)(LL)	
PFAS	250 mL poly		NP	Table 3+ (19)(HL)	
PFAS	250 mL poly		NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	537 MOD (HOLD)	

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	41.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.7448906217358
Longitude:	-78.7851661407312
Staff Gauge Water Level Reading (ft):	14.1
Temperature Reading (degrees C):	5
Rain Reading (mm)	28



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL, MARK GUERRA, MATT SCHEUER	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-14-2021	Time: 10:45	General Comments: Sample taken from boat.

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-011421	01-14-2021	12:45	01-14-2021	12:40	7.39	10.51	114.40	26.22	86.20	10.52	Cloudy	Na	-	-

Sampling Data

Sampling Method: Peri Pump Grab	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	7.2
Temperature Reading (degrees C):	21
Rain Reading (mm)	14

GPS Location (if collected)



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SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="CFR-TARHEEL"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JAMES BRIGGSIMARK GUERRAI"/>	Sampling Event: <input type="text" value="Weekly River"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="01-22-2021"/>	Time: <input type="text" value="13:10"/>	General Comments: <input type="text" value="-"/>

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-24-012121	1/21/2021	23:01	01-22-2021	13:10	7.57	9.92	39.00	10.77	224.55	12.92	Clear	No	-	-

Sampling Data

Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="1/21/2021 0:01"/>	Multi Meter ID: <input type="text" value="766679"/>
ISCO End Date and Time: <input type="text" value="1/21/2021 23:01"/>	

SAMPLE SET					
Parameter	Bottle		Pres.	Method	
PFAS	2-250 mL poly		NP	537 Mod Including HFPO-DA	
PFAS	250 mL poly		NP	Table 3+ (19)(LL)	
PFAS	250 mL poly		NP	Table 3+ (20)(LL)	
PFAS	250 mL poly		NP	Table 3+ (19)(HL)	
PFAS	250 mL poly		NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	537 MOD (HOLD)	

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	58.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	<input type="text" value="-"/>
Longitude:	<input type="text" value="-"/>
Staff Gauge Water Level Reading (ft):	<input type="text" value="5.6"/>
Temperature Reading (degrees C):	<input type="text" value="14"/>
Rain Reading (mm)	<input type="text" value="0"/>

<input type="text"/>
GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER/MATT SCHEUERER	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-25-2021	Time: 15:15	General Comments: -

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-24-012221	01-22-2021	23:01	01-25-2021	15:30	8.42	9.76	-8.80	6.53	400.69	10.33	Cloudy	Na	-	-

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 1/22/2021 0:01	Multi Meter ID: 706751
ISCO End Date and Time: 1/22/2021 23:01	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	4

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	3.8
Temperature Reading (degrees C):	8
Rain Reading (mm)	16

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN GAUDILL MATT SCHEUER	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 01-26-2021	Time: 14:40	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-TARHEEL-012621	01-26-2021	15:00	7.00	10.93	133.10	7.44	90.84	10.04	Cloudy	Na	-	-

Sampling Data

Sampling Method: Bottle Grab	Tubing Depth (ft): -	Distance to River Right: 56.6
Sampling Location: Thalweg	Multi Meter Used: In Situ Aqua Troll	Distance to River Left: 23.2
Total Depth to Bottom of Channel (ft): -	Multi Meter ID: 766679	Distance to River (Right/Left) Units: m

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph):	7

Latitude: -
Longitude: -

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: LUKE TARTI	Sampling Event: Weekly River	Event Type: Maintenance
Date: 01-26-2021	Time: 15:42	General Comments: No liquid detect errors from both dedicated Isco and CAP Isco. Fixed issue with tubing that prevented sample from being pulled.

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sampling Data

Sampling Method:	-	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	-	Multi Meter ID:	706751
ISCO End Date and Time:	-		

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.744859776142
Longitude:	-78.7851716648069
Staff Gauge Water Level Reading (ft):	4.5
Temperature Reading (degrees C):	13
Rain Reading (mm)	8



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 1/27/2021	Time: 16:00	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0121-CFR-TARHEEL-24-012721	01-27-2021	15:10	7.00	10.93	133.10	7.44	90.84	10.04	Murky	No	-	

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 01-26-2021 16:10	Multi Meter ID: 766679
ISCO End Date and Time: 01-27-2021 15:10	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

Latitude:	-
Longitude:	-

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="CFR-TARHEEL"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="CHRIS MCGINNESSILUKE.TARTI"/>	Sampling Event: <input type="text" value="Weekly River"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="01-27-2021"/>	Time: <input type="text" value="17:16"/>	General Comments: <input type="text" value=""/>

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-17-012521	01-25-2021	16:01	01-27-2021	17:20	7.49	10.92	5.50	82.26	82.46	13.52	Clear to slight brown	None	-	-

Sampling Data

Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="01-25-2021 00:01"/>	Multi Meter ID: <input type="text" value="706720"/>
ISCO End Date and Time: <input type="text" value="01-25-2021 16:01"/>	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Partly Sunny
Precipitation:	Rain
Wind (mph)	2

Latitude:	<input type="text" value="-"/>
Longitude:	<input type="text" value="-"/>
Staff Gauge Water Level Reading (ft):	<input type="text" value="8.3"/>
Temperature Reading (degrees C):	<input type="text" value=""/>
Rain Reading (mm)	<input type="text" value="6"/>

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovby
Samplers: LUKE TARTIMARK GUERRA	Sampling Event: Weekly River	Event Type: Sampling
Date: 01-29-2021	Time: 13:05	General Comments: ISCOs removed due to predicted flooding

Spl ID	Spl Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-012821	01-28-2021	23:01	01-29-2021 13:10	6.18	11.02	80.90	100.20	76.89	11.13	Clear	None	-	Picked up samples from 01/27/21 and 01/29/21 (Partial). Shipped 01/27/21 and 01/28/21 on 02/01/21

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: Insitu Aqua Troll

ISCO Start Date and Time: 01-28-2021 00:01 C19:K19 Multi Meter ID: 706720

ISCO End Date and Time: 01-28-2021 23:01

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA;

WEATHER CONDITIONS	
Temperature (F):	39.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude: _____

Longitude: _____

Staff Gauge Water Level Reading (ft): 14.5

Temperature Reading (degrees C): 13.5

Rain Reading (mm): 18

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: BRANDON SHAFFER/JELANI GILLI	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-01-2021	Time: 09:50	General Comments: -

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-020121	2/1/21	10:05 AM	02-01-2021	10:05	7.87	10.08	39.10	32.04	115.11	12.98	Clear	None	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	5

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	13.75
Temperature Reading (degrees C):	37
Rain Reading (mm)	20

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER/CHARLES PACEI	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-04-2021	Time: 16:10	General Comments: Water level above gauge.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-020421	02-04-2021	16:30	02-04-2021	16:35	7.60	9.94	24.30	91.11	88.24	8.77	Murky	No	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 706720
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

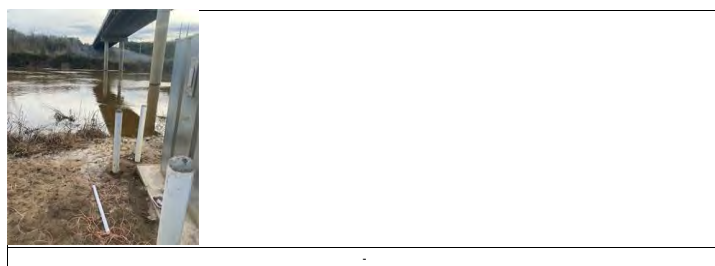
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	
Temperature Reading (degrees C):	7
Rain Reading (mm)	23

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: CHARLES PAGE/MATT SCHEUER	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-08-2021	Time: 15:45	General Comments: Staff gauge under water.

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-020821	02-08-2021	16:00	02-08-2021	15:55	6.70	10.37	42.20	22.82	84.43	11.23	Cloudy	None	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 706720
ISCO End Date and Time: -	

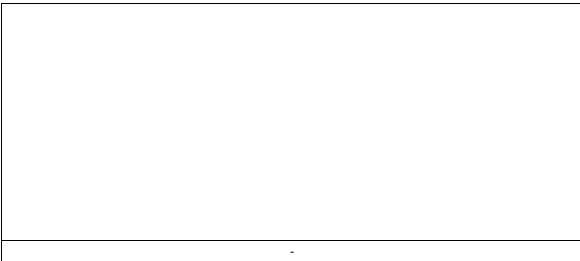
SAMPLE SET					
Parameter	Bottle		Pres.	Method	
PFAS	2-250 mL poly		NP	537 Mod Including HFPO-DA	
PFAS	250 mL poly		NP	Table 3+ (19)(LL)	
PFAS	250 mL poly		NP	Table 3+ (20)(LL)	
PFAS	250 mL poly		NP	Table 3+ (19)(HL)	
PFAS	250 mL poly		NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	537 MOD (HOLD)	

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	4

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	13
Rain Reading (mm)	40

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN GAUDILLMATT SCHEUERI	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-10-2021	Time: 15:15	General Comments: Sample not shipped

Spl ID	Spl Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-021021	02-10-2021	15:35	02-10-2021 15:30	7.62	10.68	70.10	39.80	81.44	9.79	Cloudy	Na	-	Collected from boat

Sampling Data

Sampling Method: Peri Pump Grab

ISCO Start Date and Time: -

ISCO End Date and Time: -

Multi Meter Used: Insitu Aqua Troll

Multi Meter ID: 706720

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	7

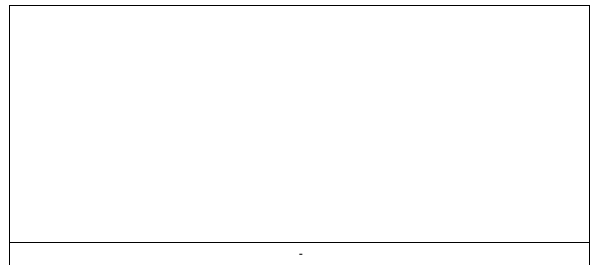
Latitude: 34.744741

Longitude: -78.7851988

Staff Gauge Water Level Reading (ft): 11.7

Temperature Reading (degrees C): 16

Rain Reading (mm): 0



SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="CFR-TARHEEL"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JAMES BRIGGS/ILUKE TARTI"/>	Sampling Event: <input type="text" value="Weekly River"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="02-12-2021"/>	Time: <input type="text" value="14:11"/>	General Comments: <input type="text" value="Removing Isco due to river flooding over weekend"/>

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-38-021221	2/12/21	14:01	02-12-2021	15:35	8.05	9.04	38.40	22.84	254.64	12.22	Clear	None	-	-

Sampling Data

Sampling Method: <input type="text" value="ISCO Composite"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="2/11/2021 0:01"/>	Multi Meter ID: <input type="text" value="766679"/>
ISCO End Date and Time: <input type="text" value="2/12/2021 14:01"/>	

SAMPLE SET					
Parameter	Bottle		Pres.	Method	
PFAS	2-250 mL poly		NP	537 Mod Including HFPO-DA	
PFAS	250 mL poly		NP	Table 3+ (19)(LL)	
PFAS	250 mL poly		NP	Table 3+ (20)(LL)	
PFAS	250 mL poly		NP	Table 3+ (19)(HL)	
PFAS	250 mL poly		NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	537 MOD (HOLD)	

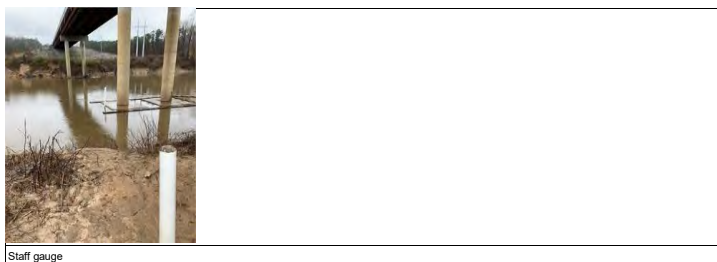
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	40.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	8

Latitude:	<input type="text" value="34.7439815930496"/>
Longitude:	<input type="text" value="-78.7847724949094"/>

Staff Gauge Water Level Reading (ft):	<input type="text" value="8"/>
Temperature Reading (degrees C):	<input type="text" value="8"/>
Rain Reading (mm)	<input type="text" value="16"/>



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: CHRIS MCGINNESS/JOHNATHAN CAUDILL	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-16-2021	Time: 11:56	General Comments: River at flood stage. Sampled with Bailer on rivers edge.

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-021621	02-16-2021	12:00	02-16-2021	12:00	8.45	9.51	-8.70	47.39	93.68	12.56	Brownish	None	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 706720
ISCO End Date and Time: -	

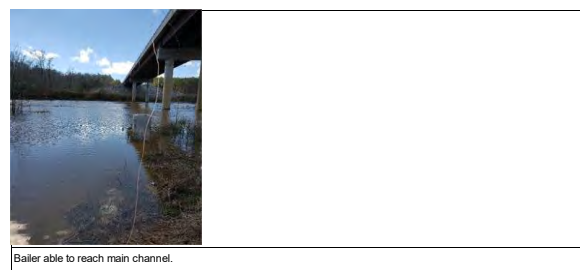
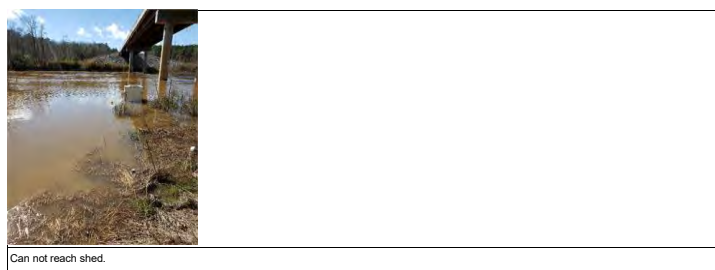
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	13

Latitude:	34.7450944
Longitude:	-78.7852141
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	-
Rain Reading (mm)	-



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JAMES BRIGGS SHAWN ANDRUKATESI	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-19-2021	Time: 13:30	General Comments: Staff gauge under water.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-021921	2/19/21	13:35	2/19/2021	13:44	8.52	6.92	-29.50	85.18	436.51	8.65	Cloudy	None	-	-

Sampling Data

Sampling Method: Baller	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	40.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	4
Rain Reading (mm)	0

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JELANI GILLISCOTT SKRZYDLINSKI	Sampling Event: Weekly River	Event Type: Sampling
Date: 2/22/2021	Time: 09:25	General Comments: Water level above staff gauge

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-022221	2/22/21	9:35	2/22/2021	09:40	7.70	10.32	12.00	37.18	113.68	10.54	Light brown	No	-	-

Sampling Data

Sampling Method: Baller	Multi Meter Used: In Situ Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	12
Rain Reading (mm)	0

GPS Location (if collected)

Blank area for notes or observations.

Blank area for notes or observations.

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time: General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAPO221-CFR-TARHEEL-022421	02-24-2021	15:15	7.37	9.94	36.30	33.22	44.80	13.00	Cloudy	No	DUP	

Sampling Data

Sampling Method: Tubing Depth (ft): Distance to River Right:
 Sampling Location: Multi Meter Used: Distance to River Left:
 Total Depth to Bottom of Channel (ft): Multi Meter ID: Distance to River (Right/Left) Units:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Latitude:
 Longitude:

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL MARK GUERRA	Sampling Event: Weekly River	Event Type: Sampling
Date: 02-25-2021	Time: 12:00	General Comments: Staff guage was submerged, could not see to record water level.

Spl ID	Spl Date	Time	Parameters		pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-022521	02-25-2021	12:20	02-25-2021	12:20	6.98	10.41	107.10	34.18	81.68	15.70	Clear	No	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 706720
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle		Pres.	Method	
PFAS	2-250 mL poly		NP	537 Mod Including HFPO-DA	
PFAS	250 mL poly		NP	Table 3+ (19)(LL)	
PFAS	250 mL poly		NP	Table 3+ (20)(LL)	
PFAS	250 mL poly		NP	Table 3+ (19)(HL)	
PFAS	250 mL poly		NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA	
PFAS	250 mL poly		NP	537 MOD (HOLD)	

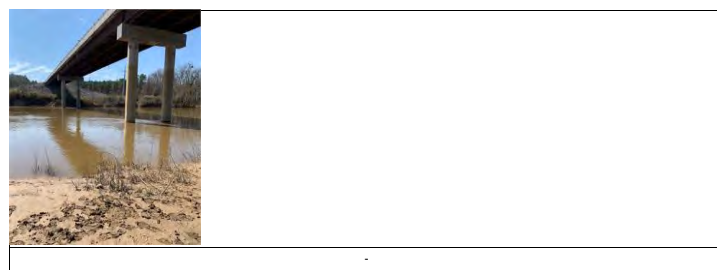
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	29
Rain Reading (mm)	144

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JELANI GILLISCOTT SKRZYDLINSKI	Sampling Event: Weekly River	Event Type: Sampling
Date: 03-01-2021	Time: 11:10	General Comments: River water too high to read staff gauge. Sample catalogued and not shipped

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-030121	03-01-2021	11:45	03-01-2021	11:39	6.97	9.72	81.50	92.11	64.83	15.42	Tan	No	-	-

Sampling Data

Sampling Method: Bailer	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: -	Multi Meter ID: 766679
ISCO End Date and Time: -	

SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	10

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	-
Temperature Reading (degrees C):	16
Rain Reading (mm)	1

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name: <input type="text" value="Chemours Fayetteville"/>	Location ID: <input type="text" value="CFR-TARHEEL"/>	Project Manager: <input type="text" value="Tracy Ovbey"/>
Samplers: <input type="text" value="JELANI GILLISCOTT SKRZYDLINSKI"/>	Sampling Event: <input type="text" value="Weekly River"/>	Event Type: <input type="text" value="Sampling"/>
Date: <input type="text" value="03-04-2021"/>	Time: <input type="text" value="14:00"/>	General Comments: <input type="text" value="Sample collected and catalogued."/>

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-030521	03-04-2021	14:15	03-04-2021	14:55	7.41	9.41	86.30	43.14	65.77	15.73	Tan	No	-	-

Sampling Data

Sampling Method: <input type="text" value="Bailer"/>	Multi Meter Used: <input type="text" value="Insitu Aqua Troll"/>
ISCO Start Date and Time: <input type="text" value="-"/>	Multi Meter ID: <input type="text" value="706682"/>
ISCO End Date and Time: <input type="text" value="-"/>	

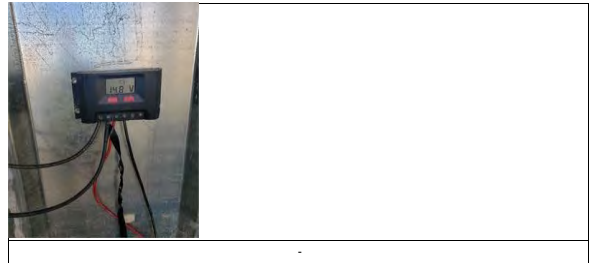
SAMPLE SET					
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	<input type="text" value="-"/>
Longitude:	<input type="text" value="-"/>
Staff Gauge Water Level Reading (ft):	<input type="text" value="-"/>
Temperature Reading (degrees C):	<input type="text" value="28"/>
Rain Reading (mm)	<input type="text" value="4"/>

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: BRANDON WEIDNER SHAWN ANDRUKATESI	Sampling Event: Weekly River	Event Type: Sampling
Date: 03-09-2021	Time: 13:05	General Comments: Turbidity meter might be malfunctioning. Readings are low. ISCO samples from 3/5 and 3/6 shipped

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-24-030821	03-08-2021	23:01	03-09-2021	13:35	6.99	11.50	43.90	14.40	0.10	15.02	Murky	No	-	Turbidity is low, reads 14.4 but the water color is murky.

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: YSI 6920

ISCO Start Date and Time: 03-08-2021 00:01 Multi Meter ID: 30942

ISCO End Date and Time: 03-08-2021 23:01

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude: -

Longitude: -

Staff Gauge Water Level Reading (ft): 14.75

Temperature Reading (degrees C): 24

Rain Reading (mm): 0

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JELANI GILLI	Sampling Event: Weekly River	Event Type: Sampling
Date: 03-16-2021	Time: 08:26	General Comments: Sample looks as though it was 25 hours but was only 24 hours due to daylight savings time

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-23-031521	3/16/21	0:01	03-15-2021	08:29	6.88	10.45	104.00	79.40	0.11	12.50	Clear	No	-	-

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: Insitu Aqua Troll

ISCO Start Date and Time: 3/15/2021 0:01 Multi Meter ID: 706751

ISCO End Date and Time: 3/16/2021 0:01

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	40.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	5

Latitude: -

Longitude: -

Staff Gauge Water Level Reading (ft): 7

Temperature Reading (degrees C): 3

Rain Reading (mm): 4

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time: General Comments:

Spl ID	Spl Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-12-032321	03-23-2021	11:01	03-23-2021 11:45	7.37	9.15	68.60	168.65	97.79	15.23	Clear	No	-	Program was stopped instead of paused. Sample "032321" was pulled and labeled to note 11 cycle run. Program enabled to start at 00:01 on 03/24/21. Reestablished battery terminal

Sampling Data

Sampling Method: Multi Meter Used:
 ISCO Start Date and Time: Multi Meter ID:
 ISCO End Date and Time:

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	11

Latitude:
 Longitude:
 Staff Gauge Water Level Reading (ft):
 Temperature Reading (degrees C):
 Rain Reading (mm):

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: JOHNATHAN CAUDILL/LUKE TARTI	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 12:00	General Comments:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
CAPO321-CFR-TARHEEL-032921	03-29-2021	12:10	7.19	8.53	93.80	70.65	76.61	15.99	Cloudy	None		

Sampling Data

Sampling Method: Peri Pump Grab	Tubing Depth (ft): 14.5	Distance to River Right: 27.8
Sampling Location: Thalweg	Multi Meter Used: Insitu Aqua Troll	Distance to River Left: 56.1
Total Depth to Bottom of Channel (ft): 27.5	Multi Meter ID: 706682	Distance to River (Right/Left) Units: m

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude: 34.7443187207849
 Longitude: -78.7852838834372



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: MARK GUERRA RYAN CARLSON	Sampling Event: Monthly CAP	Event Type: Sampling
Date: 03-29-2021	Time: 10:10	General Comments:

Spl ID	Spl Date	Time	pH	DO mg/L	Redox mV	Turbidity NTU	Spec. Cond. µS/cm	Temp. °C	Color	Odor	QA/QC	Comments
CAP0321-CFR-TARHEEL-21-033021	03-30-2021	08:50	7.32	9.58	120.00	151.94	88.41	17.67	Clear	No		Battery failure with Isco stopped the sample at 21 cycles.

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 03-29-2021 12:50	Multi Meter ID: 706751
ISCO End Date and Time: 03-30-2021 08:50	

SAMPLE SET			
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HFPO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	52.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:

Longitude:

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: MARK GUERRA RYAN CARLSONI	Sampling Event: Weekly River	Event Type: Sampling
Date: 03-30-2021	Time: 13:45	General Comments: Pulled samples from 3/24/21-3/28/21. These samples completed their full 24 hr composites from 00:01-23:01 without errors.

Spl ID	Spl Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-032921	3/29/21	23:01	03-30-2021 14:10	7.32	9.58	120.00	151.94	88.41	17.67	Clear	None	-	-

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: Insitu Aqua Troll
ISCO Start Date and Time: 3/29/21 0:01	Multi Meter ID: 706751
ISCO End Date and Time: 3/29/21 23:01	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	14.3
Temperature Reading (degrees C):	27
Rain Reading (mm)	11

GPS Location (if collected)



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville	Location ID: CFR-TARHEEL	Project Manager: Tracy Ovbey
Samplers: CHRIS MCGINNESS JOHNATHAN CAUDILL	Sampling Event: Weekly River	Event Type: Sampling
Date: 04-01-2021	Time: 10:20	General Comments: Sample from 3/30/21 also collected but not shipped.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time										
CFR-TARHEEL-24-033121	03-31-2021	23:01	04-01-2021	11:18	7.65	8.62	52.60	24.63	83.08	20.41	Cloudy	None	DUP MS MSD RF	-

Sampling Data

Sampling Method: ISCO Composite	Multi Meter Used: In Situ Aqua Troll
ISCO Start Date and Time: 03-31-2021 00:01	Multi Meter ID: 706682
ISCO End Date and Time: 03-31-2021 23:01	

Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	14.8
Temperature Reading (degrees C):	13
Rain Reading (mm)	33

GPS Location (if collected)



APPENDIX D

Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW 03/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0321-LTW-03-030921	320-71128-1	Groundw ater	N	03/09/2021	12:20	FS
CAP0321-FBLK--030921	320-71128-2	Blank Water	N	03/09/2021	12:00	FB
CAP0321-EQBLK-DV-030921	320-71128-3	Blank Water	N	03/09/2021	12:10	EB
CAP0321-EQBLK-PP-030921	320-71128-4	Blank Water	N	03/09/2021	12:05	EB
CAP0321-SMW-12-030921	320-71133-1	Groundw ater	N	03/09/2021	13:55	FS
CAP0321-LTW-04-030921	320-71133-2	Groundw ater	N	03/09/2021	15:45	FS
CAP0321-SMW-11-030921	320-71133-3	Groundw ater	N	03/09/2021	15:20	FS
CAP0321-PW-07-030921	320-71133-4	Groundw ater	N	03/09/2021	15:30	FS
CAP0321-PW-1D-031121	320-71223-1	Groundw ater	N	03/11/2021	11:20	FS
CAP0321-PW-1D-031121-D	320-71223-2	Groundw ater	N	03/11/2021	11:20	DUP
CAP0321-EQBLK-PP-031121	320-71223-3	Blank Water	N	03/11/2021	15:30	EB
CAP0321-FBLK-031121	320-71223-4	Blank Water	N	03/11/2021	15:35	FB
CAP0321-SMW-10-031121	320-71223-5	Groundw ater	N	03/11/2021	11:10	FS
CAP0321-PW-1S-031121	320-71223-6	Groundw ater	N	03/11/2021	12:40	FS
CAP0321-PW-04-031121	320-71223-7	Groundw ater	N	03/11/2021	14:15	FS
CAP0321-PW-3D-031621	320-71406-1	Groundw ater	N	03/16/2021	15:35	FS
CAP0321-LTW-01-031621	320-71406-2	Groundw ater	N	03/16/2021	13:50	FS
CAP0321-LTW-02-031621	320-71406-3	Groundw ater	N	03/16/2021	14:05	FS
CAP0321-PW-09-031221-Z	320-71408-1	Groundw ater	Y	03/12/2021	12:45	FS
CAP0321-EQBLK-PP-031221-Z	320-71408-2	Blank Water	Y	03/12/2021	10:10	EB
CAP0321-FBLK-031221	320-71408-3	Blank Water	N	03/12/2021	10:05	FB
CAP0321-PW-06-031621	320-71411-1	Groundw ater	N	03/16/2021	12:10	FS
CAP0321-EQBLK-PP-031621	320-71411-2	Blank Water	N	03/16/2021	10:10	EB
CAP0321-FBLK-031621	320-71411-3	Blank Water	N	03/16/2021	15:00	FB
CAP0321-PW-7S-032321	320-71664-1	Groundw ater	N	03/23/2021	12:30	FS
CAP0321-EQBLK-PP-032321	320-71664-2	Blank Water	N	03/23/2021	17:00	EB
CAP0321-FBLK-032321	320-71664-3	Blank Water	N	03/23/2021	15:10	FB
CAP0321-PW-7D-032321	320-71669-1	Groundw ater	N	03/23/2021	11:20	FS
CAP0321-PZ-22-032321	320-71669-2	Groundw ater	N	03/23/2021	14:50	FS
CAP0321-LTW-05-032321	320-71669-3	Groundw ater	N	03/23/2021	12:40	FS

* FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL - Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA and PFHpA

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?		X	X	X	
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier**.

If the data has been validated by a third party, the field "**Validated By**" will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP MW Sampling 03/21

Validation Options: LABSTATS

Validation Reason

Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-PIW-1D-031121	03/11/2021	320-71223-1	PFO4DA	0.29	ug/L	PQL		0.0059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-PIW-1D-031121	03/11/2021	320-71223-1	PFO4DA	0.25	ug/L	PQL		0.0059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 01/21

Project Reviewer: Brandon Cordova

Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0121-SMW-11-011521	320-69118-1	Groundwater	N	01/15/2021	10:40	FS
CAP0121-SMW-11-011521-D	320-69118-2	Groundwater	N	01/15/2021	10:40	DUP
CAP0121-FBLK-011521	320-69118-3	Blank Water	N	01/15/2021	10:20	FB
CAP0121-EQBLK-PP-011521	320-69118-4	Blank Water	N	01/15/2021	10:00	EB
CAP0121-LTW-04-011921	320-69119-1	Groundwater	N	01/19/2021	12:35	FS
CAP0121-PZ-22-011921	320-69119-2	Groundwater	N	01/19/2021	13:45	FS
CAP0121-LTW-05-011921	320-69119-3	Groundwater	N	01/19/2021	15:55	FS
CAP0121-FBLK-011921	320-69119-4	Blank Water	N	01/19/2021	11:45	FB
CAP0121-EQBLK-PP-011921	320-69119-5	Blank Water	N	01/19/2021	16:00	EB
CAP0121-PW-04-011821	320-69182-1	Groundwater	N	01/18/2021	14:50	FS
CAP0121-PW-06-011821	320-69182-2	Groundwater	N	01/18/2021	13:15	FS
CAP0121-PW-07-011821	320-69182-3	Groundwater	N	01/18/2021	11:45	FS
CAP0121-FBLK-011821	320-69182-4	Blank Water	N	01/18/2021	11:50	FB
CAP0121-EQBLK-PP-011821	320-69182-5	Blank Water	N	01/18/2021	14:30	EB
CAP0121-PIW-1S-012721	320-69492-1	Groundwater	N	01/27/2021	14:02	FS
CAP0121-PIW-1D-012721	320-69492-2	Groundwater	N	01/27/2021	14:00	FS
CAP0121-PIW-7S-012721	320-69492-3	Groundwater	N	01/27/2021	10:48	FS

CAP0121-PIW-7D-012721	320-69492-4	Groundwater	N	01/27/2021	10:55	FS
CAP0121-EQBLK-PP-012721	320-69494-1	Blank Water	N	01/27/2021	08:15	EB
CAP0121-EQBLK-PP-012721-Z	320-69494-2	Blank Water	Y	01/27/2021	16:10	EB
CAP0121-FBLK-012721	320-69494-3	Blank Water	N	01/27/2021	10:15	FB
CAP0121-LTW-02-012721	320-69494-4	Groundwater	N	01/27/2021	12:35	FS
CAP0121-PW-09-012721-Z	320-69495-1	Groundwater	Y	01/27/2021	15:15	FS
CAP0121-SMW-12-012921	320-69610-2	Groundwater	N	01/29/2021	11:55	FS
CAP0121-PIW-3D-012921	320-69610-3	Groundwater	N	01/29/2021	12:00	FS
CAP0121-EQBLK-DV-012921	320-69610-4	Blank Water	N	01/29/2021	14:50	EB
CAP0121-FBLK-012921	320-69610-5	Blank Water	N	01/29/2021	12:15	FB
CAP0121-EQBLK-PP-012921	320-69610-6	Blank Water	N	01/29/2021	12:20	EB
CAP0121-SMW-10-012821	320-69612-1	Groundwater	N	01/28/2021	11:55	FS
CAP0121-LTW-03-012821	320-69612-2	Groundwater	N	01/28/2021	12:50	FS
CAP0121-LTW-01-012821	320-69612-3	Groundwater	N	01/28/2021	16:00	FS
CAP0121-EQBLK-DV-012821	320-69612-4	Blank Water	N	01/28/2021	12:30	EB
CAP0121-FBLK-012821	320-69612-5	Blank Water	N	01/28/2021	14:40	FB
CAP0121-EQBLK-PP-012821	320-69612-6	Blank Water	N	01/28/2021	12:15	EB

* FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Name
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	EVE Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hfpo Dimer Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-EVE Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-PS Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydrolyzed PSDA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	NVHOS, Acid Form
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PEPA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Perfluoroheptanoic Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PES
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA B
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA-G
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFMOAA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO2HxA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO3OA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO4DA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO5DA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PMPA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PS Acid
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-EVE
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDA
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDCA

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	x				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	x				
C	Was the chain of custody properly completed by the laboratory and/or field team?	x				
D	Were samples prepped/analyzed by the laboratory within method holding times?	x				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?			x		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	x				
G	Were all data usable and not R qualified?	x				
ER#	Description					
<p>Other QA/QC Items to Note: The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.</p>						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification except as listed on the attached DVM Report.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

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Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

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DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP MW Sampling 01/21

Validation Options: LABSTATS

Validation Reason

Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-FBLK-011921	01/19/2021	320-69119-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 03/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0321-CFR-KINGS-033021	320-71975-1	Surface Water	N	03/30/2021	12:20	FS
CAP0321-EQBLK-PP-033021	320-71975-2	Blank Water	N	03/30/2021	12:00	EB
CAP0321-EQBLK-BL-033021	320-71975-3	Blank Water	N	03/30/2021	12:05	EB
CAP0321-CFR-TARHEEL-21-033021	320-71975-4	Surface Water	N	03/30/2021	08:50	FS
CAP0321-2517BOATRAMP-032921	320-71976-1	Surface Water	N	03/29/2021	09:15	FS
CAP0321-SEEP-D-D1-033021	320-71976-2	Surface Water	N	03/30/2021	14:05	FS
CAP0321-SEEP-D-C1-033021	320-71976-3	Surface Water	N	03/30/2021	14:00	FS
CAP0321-SEEP-D2-B1-033021	320-71976-4	Surface Water	N	03/30/2021	14:10	FS
CAP0321-WC-5-032921	320-72051-1	Surface Water	N	03/29/2021	11:00	FS
CAP0321-WC-1-TR2-032921	320-72051-2	Surface Water	N	03/29/2021	10:00	FS
CAP0321-GBC-5-032921	320-72051-3	Surface Water	N	03/29/2021	17:00	FS
CAP0321-OLDOF-2B-032921	320-72051-4	Surface Water	N	03/29/2021	16:30	FS
RIVER-WATER-INTAKE-24-033021	320-72115-1	Surface Water	N	03/30/2021	07:06	FS
RIVER-WATER-INTAKE-24-033021-D	320-72115-2	Surface Water	N	03/30/2021	07:06	DUP
CAP0321-SEEP-A-1-24-033021	320-72115-3	Surface Water	N	03/30/2021	07:18	FS
CAP0321-SEEP-B-1-24-033021	320-72115-4	Surface Water	N	03/30/2021	07:24	FS
CAP0321-OUTFALL-002-24-033021	320-72172-1	Surface Water	N	03/30/2021	07:30	FS
CAP0321-CFR-TARHEEL-032921	320-72172-2	Surface Water	N	03/29/2021	12:10	FS
CAP0321-LOCK-DAM-SEEP-032921	320-72336-1	Surface Water	N	03/29/2021	14:15	FS
CAP0321-CFR-BLADEN-032921	320-72336-2	Surface Water	N	03/29/2021	11:30	FS
CAP0321-SEEP-C-1-24-033021	320-72336-3	Surface Water	N	03/30/2021	07:36	FS

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 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL - Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA and PFHpA

ADQM Data Review Checklist

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B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X		
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?		X	X		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description					
Other QA/QC Items to Note:						

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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- Missing Quality Control (QC) samples
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- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

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The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

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DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason

The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	NVHOS, Salt Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFECA B	0.013	UG/L	PQL		0.013	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	NVHOS, Salt Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFECA-G	0.024	UG/L	PQL		0.024	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	NVHOS, Salt Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	NVHOS, Salt Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydrolyzed PSDA	0.067	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydrolyzed PSDA	0.065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-EVE	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	R-EVE	0.0059	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	Hydrolyzed PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	Hydrolyzed PSDA	0.0025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	Hfpo Dimer Acid	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	R-PSDA	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFMOAA	0.0068	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-CFR-TARHEEL-032921	03/29/2021	320-72172-2	PFO2HxA	0.0033	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PMPA	0.036	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PMPA	0.036	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PS Acid	0.037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PS Acid	0.036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Perfluoroheptanoic Acid	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Perfluoroheptanoic Acid	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO2HxA	0.017	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO2HxA	0.017	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO3OA	0.0049	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO3OA	0.0051	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO4DA	0.0033	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO4DA	0.0031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO5DA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFO5DA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFMOAA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	PFMOAA	0.019	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	EVE Acid	0.0090	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	EVE Acid	0.0089	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydro-PS Acid	0.0038	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hydro-PS Acid	0.0037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	R-PSDA	1.7	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	Hydrolyzed PSDA	10	UG/L	PQL		0.019	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	R-PSDCA	0.030	UG/L	PQL		0.0087	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	R-EVE	0.89	UG/L	PQL		0.036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PEPA	9.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PS Acid	1.6	UG/L	PQL		0.0098	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	Perfluoroheptanoic Acid	0.052	UG/L	PQL		0.047	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFO2HxA	28	ug/L	PQL		0.013	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFO3OA	8.6	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFO4DA	4.0	ug/L	PQL		0.030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFO5DA	2.5	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PFMOAA	56	ug/L	PQL		0.040	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	EVE Acid	0.29	UG/L	PQL		0.0087	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	Hydro-PS Acid	0.91	ug/L	PQL		0.0031	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	Hydro-EVE Acid	0.72	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	R-PSDA	4.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	Hydrolyzed PSDA	28	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	R-PSDCA	0.074	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	R-EVE	3.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PEPA	18	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PS Acid	3.4	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	Perfluoroheptanoic Acid	0.15	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFO2HxA	34	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFO3OA	9.2	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFO4DA	1.9	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFO5DA	0.74	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PFMOAA	80	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	EVE Acid	4.9	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	Hydro-PS Acid	1.2	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	Hydro-EVE Acid	2.2	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-OUTFALL-002-24-033021	03/30/2021	320-72172-1	Hfpo Dimer Acid (trial)	0.11	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	NVHOS, Salt Form	0.70	UG/L	PQL		0.0073	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PES	0.0037	UG/L	PQL		0.0034	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	PMPA	20	UG/L	PQL		0.31	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-A-1-24-033021	03/30/2021	320-72115-3	Hfpo Dimer Acid	19	UG/L	PQL		0.041	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	NVHOS, Salt Form	2.4	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PES	0.0084	UG/L	PQL		0.0067	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	PMPA	37	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0321-SEEP-B-1-24-033021	03/30/2021	320-72115-4	Hfpo Dimer Acid	26	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	R-PSDA	0.0033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	Perfluoroheptanoic Acid	0.0033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFO2HxA	0.0053	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 03/21

Validation Options: LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PFMOAA	0.0069	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	PMPA	0.016	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021	03/30/2021	320-72115-1	Hfpo Dimer Acid	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PMPA	0.016	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	Hfpo Dimer Acid	0.0055	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	R-PSDA	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	Perfluoroheptanoic Acid	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFO2HxA	0.0052	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE-24-033021-D	03/30/2021	320-72115-2	PFMOAA	0.0077	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 1/21

Project Reviewer: Brandon Cordova

Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0121-WC-1-24-012721	320-69414-1	Surface Water	N	01/27/2021	07:00	FS
RIVER-WATER-INTAKE-24-012721	320-69414-2	Surface Water	N	01/27/2021	07:06	FS
CAP0121-WC-1-24-012721-D	320-69417-1	Surface Water	N	01/27/2021	07:00	DUP
CAP0121-SEEP-A-24-012721	320-69417-2	Surface Water	N	01/27/2021	07:24	FS
CAP0121-SEEP-A-24-012721-Z	320-69417-3	Surface Water	Y	01/27/2021	07:24	FS
CAP0121-SEEP-C-24-012721	320-69417-4	Surface Water	N	01/27/2021	07:48	FS
CAP0121-CFR-BLADEN-012621	320-69420-1	Surface Water	N	01/26/2021	14:25	FS
CAP0121-CFR-RM-76-012621	320-69420-2	Surface Water	N	01/26/2021	10:05	FS
CAP0121-EQBLK-PP-012621	320-69420-3	Blank Water	N	01/26/2021	17:15	EB
CAP0121-EQBLK-ISCO-012721	320-69420-4	Blank Water	N	01/27/2021	16:00	EB
CAP0121-OUTFALL-002-24-012721	320-69424-1	Surface Water	N	01/27/2021	07:48	FS
CAP0121-LOCK-DAM-SEEP-012621	320-69424-2	Surface Water	N	01/26/2021	12:00	FS
CAP0121-GBC-1-012621	320-69424-3	Surface Water	N	01/26/2021	13:55	FS
CAP0121-CFR-TARHEEL-012621	320-69424-4	Surface Water	N	01/26/2021	15:00	FS
CAP0121-CFR-TARHEEL-24-012721	320-69495-2	Surface Water	N	01/27/2021	15:10	FS
CAP0121-OLDOF-1-012721	320-69549-1	Surface Water	N	01/27/2021	13:00	FS
CAP0121-SEEP-B-012721	320-69549-2	Surface Water	N	01/27/2021	10:40	FS
CAP0121-SEEP-D-012721	320-69549-3	Surface Water	N	01/27/2021	12:30	FS
CAP0121-CFR-KINGS-012821	320-69610-1	Surface Water	N	01/28/2021	14:10	FS

Analytical Protocol

Lab Name	Lab Method	Parameter Name	Sampling Program
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	EVE Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hfpo Dimer Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-EVE Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-PS Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydrolyzed PSDA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	NVHOS, Acid Form	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PEPA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Perfluoroheptanoic Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PES	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA B	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA-G	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFMOAA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO2HxA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO3OA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO4DA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO5DA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PMPA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PS Acid	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-EVE	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDA	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDCA	CAP SW Sampling 01/21

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	x				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	x				
C	Was the chain of custody properly completed by the laboratory and/or field team?	x				
D	Were samples prepped/analyzed by the laboratory within method holding times?	x				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?			x		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	x				
G	Were all data usable and not R qualified?	x				
ER#	Description					
Other QA/QC Items to Note: Due to their large file size, the lab reports are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification except as noted on the attached DVM Narrative Report.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier**.

If the data has been validated by a third party, the field “**Validated By**” will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP SW Sampling 01/21

Validation Options: LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	PFO3OA	0.42	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	PFO3OA	5.6	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	PFO3OA	7.0	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 0221

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0221-FBLK-020421	320-69864-1	Blank Water	N	02/04/2021	11:30	FB
CAP0221-LTW-03-020421	320-69865-1	Groundwater	N	02/04/2021	11:00	FS
CAP0221-PW-09-020421	320-69865-2	Groundwater	N	02/04/2021	15:10	FS
CAP0221-EQBLK-PP-020421	320-69865-3	Blank Water	N	02/04/2021	16:20	EB
CAP0221-EQBLK-PP-020421-Z	320-69865-4	Blank Water	Y	02/04/2021	16:15	EB
CAP0221-PIW-1S-020821	320-70105-1	Groundwater	N	02/08/2021	12:00	FS
CAP0221-PIW-1D-020821	320-70105-2	Groundwater	N	02/08/2021	12:45	FS
CAP0221-PW-07-021021	320-70105-3	Groundwater	N	02/10/2021	16:45	FS
CAP0221-PW-06-021021	320-70105-4	Groundwater	N	02/10/2021	15:50	FS
CAP0221-SMW-11-021021	320-70107-1	Groundwater	N	02/10/2021	11:50	FS
CAP0221-EQBLK-PP-021021	320-70107-2	Blank Water	N	02/10/2021	12:10	EB
CAP0221-FBLK-021021	320-70107-3	Blank Water	N	02/10/2021	15:50	FB
CAP0221-LTW-01-020821	320-70108-1	Groundwater	N	02/08/2021	13:50	FS
CAP0221-EQBLK-PP-020821	320-70108-2	Blank Water	N	02/08/2021	15:45	EB
CAP0221-FBLK-020821	320-70108-3	Blank Water	N	02/08/2021	12:05	FB
CAP0221-PIW-3D-020821	320-70108-4	Groundwater	N	02/08/2021	14:00	FS
CAP0221-SMW-12-020521	320-70110-1	Groundwater	N	02/05/2021	13:10	FS
CAP0221-EQBLK-DV-020521	320-70110-2	Blank Water	N	02/05/2021	13:20	EB
CAP0221-FBLK-020521	320-70110-3	Blank Water	N	02/05/2021	13:15	FB
CAP0221-SMW-10-020821	320-70137-1	Groundwater	N	02/08/2021	15:40	FS
CAP0221-SMW-10-020821-D	320-70137-2	Groundwater	N	02/08/2021	15:40	DUP
CAP0221-FBLK-021121	320-70296-1	Blank Water	N	02/11/2021	11:00	FB
CAP0221-EQBLK-PP-021121	320-70296-2	Blank Water	N	02/11/2021	09:00	EB
CAP0221-LTW-02-021121	320-70296-3	Groundwater	N	02/11/2021	13:35	FS
CAP0221-LTW-05-021121	320-70296-4	Groundwater	N	02/11/2021	14:35	FS
CAP0221-PW-04-021121	320-70296-5	Groundwater	N	02/11/2021	11:55	FS
CAP0221-LTW-04-022321	320-70595-1	Groundwater	N	02/23/2021	13:25	FS
CAP0221-PZ-22-022321	320-70595-2	Groundwater	N	02/23/2021	12:30	FS
CAP0221-PIW-7S-022321	320-70595-3	Groundwater	N	02/23/2021	12:20	FS
CAP0221-PIW-7D-022321	320-70595-4	Groundwater	N	02/23/2021	14:25	FS
CAP0221-EQBLK-PP-022321	320-70615-1	Blank Water	N	02/23/2021	15:50	EB
CAP0221-FBLK-022321	320-70615-3	Blank Water	N	02/23/2021	11:20	FB

* FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL – Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA & PFHpA

ADQM Data Review Checklist

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B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?	X				
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description:					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier**.

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DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP MW Sampling 0221

Validation Options: LABSTATS

The electronic data submitted for this project was reviewed via the DVM process. The data is acceptable for use without qualification.

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 0221

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0221-SEEP-B-TR1-022421	320-70594-1	Surface Water	N	02/24/2021	12:25	FS
CAP0221-SEEP-B-TR2-022421	320-70594-2	Surface Water	N	02/24/2021	12:15	FS
CAP0221-SEEP-B-2-022421	320-70594-3	Surface Water	N	02/24/2021	12:20	FS
CAP0221-GBC-5-022421	320-70594-4	Surface Water	N	02/24/2021	13:40	FS
CAP0221-CFR-DCO-022421	320-70596-1	Surface Water	N	02/24/2021	11:11	FS
CAP0221-OLDOF-2B-022421	320-70596-2	Surface Water	N	02/24/2021	11:45	FS
RIVER-WATER-INTAKE-022421	320-70596-3	Surface Water	N	02/24/2021	15:25	FS
CAP0221-OUTFALL-002-022421	320-70596-4	Surface Water	N	02/24/2021	15:05	FS
CAP0221-SEEP-A-1-022421	320-70597-1	Surface Water	N	02/24/2021	10:05	FS
CAP0221-SEEP-A-1-022421-D	320-70597-2	Surface Water	N	02/24/2021	10:05	DUP
CAP0221-EQBLK-PP-022421	320-70615-2	Blank Water	N	02/24/2021	09:00	EB
CAP0221-FBLK-022421	320-70615-4	Blank Water	N	02/24/2021	15:00	FB
CAP0221-EQBLK-BL-022421	320-70615-5	Blank Water	N	02/24/2021	15:05	EB
CAP0221-SEEP-C-1-022421	320-70619-1	Surface Water	N	02/24/2021	13:00	FS
CAP0221-CFR-TARHEEL-022421	320-70619-2	Surface Water	N	02/24/2021	15:15	FS
CAP0221-CFR-BLADEN-022421	320-70619-3	Surface Water	N	02/24/2021	14:10	FS
CAP0221-WC-2-022521	320-70654-1	Surface Water	N	02/25/2021	10:45	FS
CAP0221-CFR-KINGS-022521	320-70654-2	Surface Water	N	02/25/2021	13:40	FS
CAP0221-FBLK-022521	320-70654-3	Blank Water	N	02/25/2021	12:15	FB
CAP0221-EQBLK-BL-022521	320-70654-4	Blank Water	N	02/25/2021	10:30	EB
CAP0221-SEEP-D-C1-022421	320-70778-1	Surface Water	N	02/24/2021	13:40	FS
CAP0221-SEEP-D-D-022421	320-70778-2	Surface Water	N	02/24/2021	14:00	FS
CAP0221-SEEP-D3-022421	320-70778-3	Surface Water	N	02/24/2021	13:55	FS
CAP0221-SEEP-D-1-022421	K1B0387-01	Surface Water	N	02/24/2021	13:40	FS
CAP0221-SEEP-D-2-022421	K1B0387-02	Surface Water	N	02/24/2021	14:00	FS
CAP0221-SEEP-D-3-022421	K1B0387-03	Surface Water	N	02/24/2021	13:55	FS
CAP0221-SEEP-A-1-022421	K1B0387-04	Surface Water	N	02/24/2021	10:05	FS
CAP0221-SEEP-B-TR2-022421	K1B0387-05	Surface Water	N	02/24/2021	12:15	FS
CAP0221-SEEP-B-2-022421	K1B0387-06	Surface Water	N	02/24/2021	12:20	FS
CAP0221-SEEP-B-TR1-022421	K1B0387-07	Surface Water	N	02/24/2021	12:25	FS
CAP0221-SEEP-C-1-022421	K1B0387-08	Surface Water	N	02/24/2021	13:00	FS

* FS=Field Sample
 DUP=Field Duplicate
 FB=Field Blank
 EB=Equipment Blank
 TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL – Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA & PFHpA
Microbac Fayetteville	SM 9222 D-2006	Fecal Coliform

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X		
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?		X	X		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description:					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Verification Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

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If the data has been validated by a third party, the field "**Validated By**" will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville

Sampling Program: CAP SW Sampling 02/21

Validation Options: LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation		Pre-prep	Prep
								Qualifier	Method		
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PFO5DA	0.0020	ug/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PES	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	EVE Acid	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	NVHOS, Acid Form	0.0030	UG/L	PQL	0.0030	0.0030	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PFECA-G	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PFO3OA	0.0020	ug/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PFO4DA	0.0020	ug/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PFECA B	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	R-PSDCA	0.0030	UG/L	PQL	0.0030	0.0030	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	R-EVE	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PEPA	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	PS Acid	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021 320-70619-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: CAP SW Sampling 02/21

Validation Options: LABSTATS

Validation Reason

Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Sampled Lab Sample ID	Analyte	Result Units	Type	MDL	PQL	Validation		Analytical Method	Pre-prep	Prep
							Qualifier	Method			
CAP0221-SEEP-A-1-022421	02/24/2021 K1B0387-04	Fecal Coliform	8.1 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-B-2-022421	02/24/2021 K1B0387-06	Fecal Coliform	3.6 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-B-TR1-022421	02/24/2021 K1B0387-07	Fecal Coliform	11 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-B-TR2-022421	02/24/2021 K1B0387-05	Fecal Coliform	7.2 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-C-1-022421	02/24/2021 K1B0387-08	Fecal Coliform	3.6 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-D-2-022421	02/24/2021 K1B0387-02	Fecal Coliform	3.6 /100ML	PQL		1	J		SM 9222 D-2006		
CAP0221-SEEP-D-3-022421	02/24/2021 K1B0387-03	Fecal Coliform	310 /100ML	PQL		1	J		SM 9222 D-2006		

Site: Fayetteville

Sampling Program: CAP SW Sampling 02/21

Validation Options: LABSTATS

Validation Reason: High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date	Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0221-SEEP-C-1-022421	02/24/2021	320-70619-1	PFO4DA	1.8	ug/L	PQL		0.030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DL_Prep
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	PFO4DA	0.0027	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DL_Prep

Site: Fayetteville

Sampling Program: CAP SW Sampling 02/21

Validation Options: LABSTATS

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date	Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	PMPA	0.0084	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	Hfpo Dimer Acid	0.0043	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	PFO2HxA	0.0050	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	PFMOAA	0.0087	ug/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: CAP SW Sampling 02/21

Validation Options: LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	R-PSDA	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0221-CFR-TARHEEL-022421	02/24/2021	320-70619-2	Hydrolyzed PSDA	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 1Q21 (updated)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-010621	320-68684-1	Surface Water	N	01/06/2021	12:10	FS
CFR-TARHEEL-010721	320-68684-2	Surface Water	N	01/07/2021	11:00	FS
CFR-TARHEEL-011121	320-68930-1	Surface Water	N	01/11/2021	10:30	FS
CFR-TARHEEL-011421	320-68930-2	Surface Water	N	01/14/2021	12:45	FS
CFR-TARHEEL-24-012121	320-69493-1	Surface Water	N	01/21/2021	23:01	FS
CFR-TARHEEL-24-012221	320-69493-2	Surface Water	N	01/22/2021	23:01	FS
CFR-TARHEEL-24-012721	320-69606-1	Surface Water	N	01/27/2021	23:01	FS
CFR-TARHEEL-24-012821	320-69606-2	Surface Water	N	01/28/2021	23:01	FS
CFR-TARHEEL-020121	320-69862-1	Surface Water	N	02/01/2021	10:05	FS
CFR-TARHEEL-020421	320-69862-2	Surface Water	N	02/04/2021	16:30	FS
CFR-TARHEEL-38-021221	320-70504-1	Surface Water	N	02/12/2021	14:01	FS
CFR-TARHEEL-020821	320-70504-2	Surface Water	N	02/08/2021	16:00	FS
CFR-TARHEEL-021621	320-70504-3	Surface Water	N	02/16/2021	12:00	FS
CFR-TARHEEL-021921	320-70504-4	Surface Water	N	02/19/2021	13:35	FS
CFR-TARHEEL-022221	320-70653-1	Surface Water	N	02/22/2021	09:35	FS
CFR-TARHEEL-022521	320-70653-2	Surface Water	N	02/25/2021	12:20	FS
CFR-TARHEEL-24-030521	320-71137-1	Surface Water	N	03/05/2021	23:01	FS

CFR-TARHEEL-24-030621	320-71137-2	Surface Water	N	03/06/2021	23:01	FS
CFR-TARHEEL-24-030821	320-71410-1	Surface Water	N	03/08/2021	23:01	FS
CFR-TARHEEL-24-031121	320-71410-2	Surface Water	N	03/11/2021	23:01	FS
CFR-TARHEEL-24-031521	320-71660-1	Surface Water	N	03/15/2021	00:01	FS
CFR-TARHEEL-24-031821	320-71660-2	Surface Water	N	03/18/2021	23:01	FS
CFR-TARHEEL-24-032921	320-72329-1	Surface Water	N	03/29/2021	23:01	FS
CFR-TARHEEL-24-033121	320-72329-2	Surface Water	N	03/31/2021	23:01	FS
CFR-TARHEEL-24-033121-D	320-72329-3	Surface Water	N	03/31/2021	23:01	DUP
CFR-TARHEEL-24-032421	320-73243-1	Surface Water	N	03/24/2021	23:01	FS
CFR-TARHEEL-24-032421-Z	320-73243-1Z	Surface Water	Y	03/24/2021	23:01	FS
CFR-TARHEEL-24-032521	320-73243-2	Surface Water	N	03/25/2021	23:01	FS
CFR-TARHEEL-24-032521-Z	320-73243-2Z	Surface Water	Y	03/25/2021	23:01	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Laboratory	Method	Parameters
TAL – Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA & PFHpA
TAL – Sacramento	537 Mod Max	21 compounds incl HFPO-DA & PFHpA

The Tarheel samples collected on 3/24/21 and 3/25/21 were reanalyzed using the 537 Mod Max method and according to the following protocols for preparation:

1. Filtered before methanol and SPE

- we want to follow instruction 11.2.2 of the SOP
- this instruction indicates that, if authorized by the client, the sample is filtered through a glass fibre filter prior to addition of IDA
- this instruction does not state if the sample is filtered into a secondary container and moved forward from the secondary container (for addition of IDA and rinsing of the sample container), or returned to the original container (for addition of IDA and rinsing of the sample container). We do not have a strong preference but note that returning the sample to the original container may reintroduce sediment, if it was left behind during addition to the filter.
- then proceed with addition of IDA, loading onto SPE cartridge, rinsing of sample container (11.3.6 for the water rinse and 11.5.1 for the proprietary solution rinse) and glass fibre filter (11.2.2.1) and addition of the filtrate to the SPE cartridge, etc.

2. Standard analysis

- do as you would normally do
 - if the sample contains enough particulate to decant or centrifuge as per instruction 11.2.1 of the SOP, then do that (adding IDA first as instructed in 11.2.1)
 - if the sample does not contain enough particulate to decant or centrifuge as per instruction 11.2.1 of the SOP, then go on to instruction 11.2.3 as per usual

The samples that were filtered were renamed by adding -Z to the end of the field sample ID.

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X		
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?		X	X		
F	Were field/equipment/trip blanks (if collected) detected at levels not requiring sample data qualification?	X				
G	Were all data usable and not R qualified?	X				
ER#	Description:					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall the data is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

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Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

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If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier**.

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DVM Narrative Report

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PEPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-022521	02/25/2021	320-70653-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-020821	02/08/2021	320-70504-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason

The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason

Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PEPA	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFO2HxA	0.012	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFO3OA	0.0023	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PEPA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO2HxA	0.012	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO3OA	0.0026	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFO2HxA	0.012	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PEPA	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PEPA	0.0041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO2HxA	0.013	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO3OA	0.0022	ug/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	Hydrolyzed PSDA	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date	Sampled Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	NVHOS, Acid Form	0.0078	UG/L	PQL		0.0030	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PFMOAA	0.020	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	R-EVE	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	Perfluoroheptanoic Acid	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	PMPA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	Hfpo Dimer Acid	0.0064	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFMOAA	0.020	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-EVE	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Perfluoroheptanoic Acid	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	Perfluoroheptanoic Acid	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PMPA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hfpo Dimer Acid	0.0082	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	NVHOS, Acid Form	0.014	UG/L	PQL		0.0030	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PFMOAA	0.023	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	R-EVE	0.0057	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	PMPA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	Hfpo Dimer Acid	0.0084	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	NVHOS, Acid Form	0.0092	UG/L	PQL		0.0030	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFMOAA	0.020	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Perfluoroheptanoic Acid	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-EVE	0.0053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	R-EVE	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Validation Reason

The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PMPA	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hfpo Dimer Acid	0.0090	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFMOAA	0.010	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PFO2HxA	0.0057	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFMOAA	0.0064	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFO2HxA	0.0070	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PFO3OA	0.0022	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	PMPA	0.0091	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	Hfpo Dimer Acid	0.0055	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	R-EVE	0.0021	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PEPA	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	PMPA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	Hfpo Dimer Acid	0.0057	UG/L	PQL		0.0040	J	537 Modified		3535_PFC

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-38-021221	02/12/2021	320-70504-1	PFO2HxA	0.0082	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	NVHOS, Acid Form	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydro-PS Acid	0.0041	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFMOAA	0.010	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydrolyzed PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PS Acid	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Perfluoroheptanoic Acid	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PFO2HxA	0.0082	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	PMPA	0.019	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hfpo Dimer Acid	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydro-EVE Acid	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	NVHOS, Acid Form	0.0059	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydro-PS Acid	0.13	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	EVE Acid	0.033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO5DA	0.022	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFMOAA	0.013	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO4DA	0.0025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PS Acid	0.51	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Perfluoroheptanoic Acid	0.0043	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO2HxA	0.010	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PFO3OA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-PSDCA	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-PSDA	0.037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydrolyzed PSDA	0.023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	PMPA	0.021	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hfpo Dimer Acid	0.070	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	R-PSDA	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521-Z	03/25/2021	320-73243-2Z	Hydrolyzed PSDA	0.010	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	Hydrolyzed PSDA	0.0092	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032521	03/25/2021	320-73243-2	R-PSDA	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	R-PSDA	0.019	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421-Z	03/24/2021	320-73243-1Z	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	R-PSDA	0.022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-24-032421	03/24/2021	320-73243-1	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	R-PSDA	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022521	02/25/2021	320-70653-2	Hydrolyzed PSDA	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	R-PSDA	0.0071	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CFR-TARHEEL-022221	02/22/2021	320-70653-1	Hydrolyzed PSDA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

APPENDIX E

Supporting Calculations – Onsite Groundwater Pathway

APPENDIX E

SUPPORTING CALCULATIONS – ONSITE GROUNDWATER PATHWAY

INTRODUCTION AND OBJECTIVE

Based on the conceptual site model, the Black Creek Aquifer and the Flood Plain deposits at the river bank are the primary hydrogeologic units that are potentially in hydraulic connection with the Cape Fear River. The Cape Fear River stage is lower than the top of the Black Creek Aquifer, except during peak rainfall or flooding, indicating that the Cape Fear River is a discharge boundary for the aquifer. Onsite groundwater from the Black Creek Aquifer discharging to the Cape Fear River is therefore a potential pathway for per- and polyfluoroalkyl substances (PFAS) mass loading to the Cape Fear River. This pathway was identified as Transport Pathway Number 5 in the PFAS mass loading design in this report. The objective of the supporting calculations presented in this appendix is to estimate PFAS mass loading from onsite groundwater discharge based on calculated PFAS mass flux for segments of the Black Creek Aquifer along the river frontage.

APPROACH

The PFAS mass loading from onsite groundwater discharge was estimated as follows. Supporting data are provided in Tables E1-1 through E1-3:

1. The Cape Fear River frontage was divided into 8 segments (Figure E1). Each segment includes one groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action Plan¹ (Geosyntec, 2019b).
2. The thickness of the Black Creek Aquifer (h) was estimated for each segment based on the segment length and the cross-sectional area of the Black Creek Aquifer, as determined by the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Geosyntec, 2019b):

$$h = \frac{A}{l}$$

where h is the Black Creek Aquifer thickness [ft];

A is the cross-sectional area of the Black Creek Aquifer [ft²]; and

l is the segment length [ft].

The EVS model output for each segment is presented in Figure E2.

¹ The Black Creek Aquifer is not observed in boreholes from Segment 4 suggesting a localized "pinch-out" of the Black Creek Aquifer in Segment 4. The monitoring well used to determine PFAS mass loading in this segment is screened in the Floodplain Deposits (LTW-03).

Appendix E

- The hydraulic gradient (i) was derived based on the groundwater level contour map. For each segment, two gradients were estimated based on the distance between two sets of contour lines in the vicinity of the river frontage (Figures E3-1 through E3-3):

$$i = \frac{\Delta h}{d}$$

where i is the hydraulic gradient [ft/ft];

Δh is the head difference between two contour lines [ft]; and

d is the estimated distance between the contour lines [ft]

For each segment, a range of hydraulic gradients was calculated using two different contour elevation differences in the vicinity of the river frontage: a ten-foot elevation difference (between the 40 and 50 ft contours) and a twenty-foot elevation difference (between the 40 and 60 ft contours). Using two contour elevation differences captures the variation in hydraulic gradient estimates over a range of spatial scales. This approach is considered to best represent the likely groundwater fluxes discharging from the Black Creek Aquifer to the Cape Fear River. Based on hydrographs from wells along the river presented in Figure E4 hydraulic gradients in the aquifer are relatively constant over time. With the exception of large changes in the river level (over ten feet), these wells respond to river level fluctuation in a subdued manner.

- The hydraulic conductivity (K) was estimated for each segment using the results of constant rate tests performed at five extraction wells installed in the Black Creek Aquifer upstream of the river frontage (Geosyntec, 2021). The extraction wells used to determine the hydraulic conductivity for each segment are as follows, based on their locations relative to the segments (Figure E1):

Extraction Well	Segment
EW-1	1
	2
EW-4	3
	4
EW-5	5
	6
EW-2	7
EW-3	8

5. The total PFAS concentration for each segment was determined based on grab samples collected from monitoring wells. PFAS analytical results for these groundwater samples are presented in Table 10 of this report. The monitoring well located in Segment 8 (PW-11) was inaccessible during the Q1 2021 monitoring event due to ongoing aquifer testing at this location, so it was not sampled. PFAS analytical results obtained from PW-11 during the Q3 2020 monitoring event were used to determine mass loading for Segment 8.
6. Mass flux for each segment, representing the PFAS mass loading to the river from groundwater, was determined as follows:

$$Q = lhKiCf$$

where Q is the mass flux [mg/sec];

l is the segment length [ft];

h is the Black Creek Aquifer thickness [ft];

K is the hydraulic conductivity of the aquifer [ft/sec];

i is the hydraulic gradient [ft/ft], using an upper and lower contour elevation difference;

C is the total PFAS concentration [ng/L]; and

f is the conversion factor between cubic feet and liters and between ng and mg.

7. The upper and lower bound of the total mass flux for the groundwater pathway was calculated as the sum of the individual mass flux results for the 8 segments. Parameters listed above were also used to estimate groundwater flow rates, shown in Tables E2-1 through E2-3.

POTENTIAL FUTURE METHODOLOGY MODIFCATIONS

Periodically, adjustments to this calculation methodology may be required based on changes in conditions or refinement of Site knowledge.

REFERENCES

- Geosyntec, 2019. Corrective Action Plan. Chemours Fayetteville Works. December 2019.
- Geosyntec, 2021. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2020 Report, Chemours Fayetteville Works. March 31, 2021.

**TABLE E1-1
JANUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Attachment C ⁴		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	1/27/2021	1,148	13,380	11.7	10	183.8	20	366.6	0.054	0.055	1.71E-04	47,000	0.1653	0.1657
2	PIW-3D	1/29/2021	873	11,010	12.6	10	221.2	20	526.0	0.045	0.038	1.71E-04	37,000	0.0889	0.0748
3	LTW-02	1/27/2021	875	5,560	6.4	10	387.2	20	738.9	0.026	0.027	1.02E-04	51,000	0.0211	0.0221
4	LTW-03	1/28/2021	729	2,831	3.9	10	387.2	20	738.9	0.026	0.027	1.02E-04	220,000	0.0463	0.0485
5	PZ-22	1/19/2021	656	15,240	23.2	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	250,000	0.4772	0.7069
6	PIW-7D	1/27/2021	524	15,960	30.5	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	200,000	0.3998	0.5922
7	LTW-05	1/19/2021	887	17,220	19.4	10	798.1	20	1,025.7	0.013	0.019	1.28E-04	210,000	0.1642	0.2555
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	798.1	20	1,025.7	0.013	0.019	2.59E-04	180,000	0.9320	1.4503
Total														2.29	3.32

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the January 2021 synoptic well gauging round (Figure E3-1).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft₂ - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

**TABLE E1-1
JANUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (17 Compounds) ⁵		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	1/27/2021	1,148	13,380	11.7	10	183.8	20	366.6	0.054	0.055	1.71E-04	47,000	0.1653	0.1657
2	PIW-3D	1/29/2021	873	11,010	12.6	10	221.2	20	526.0	0.045	0.038	1.71E-04	37,000	0.0889	0.0748
3	LTW-02	1/27/2021	875	5,560	6.4	10	387.2	20	738.9	0.026	0.027	1.02E-04	51,000	0.0211	0.0221
4	LTW-03	1/28/2021	729	2,831	3.9	10	387.2	20	738.9	0.026	0.027	1.02E-04	220,000	0.0463	0.0485
5	PZ-22	1/19/2021	656	15,240	23.2	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	250,000	0.4772	0.7069
6	PIW-7D	1/27/2021	524	15,960	30.5	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	200,000	0.3998	0.5922
7	LTW-05	1/19/2021	887	17,220	19.4	10	798.1	20	1,025.7	0.013	0.019	1.28E-04	210,000	0.1642	0.2555
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	798.1	20	1,025.7	0.013	0.019	2.59E-04	180,000	0.9320	1.4503
Total														2.29	3.32

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the January 2021 synoptic well gauging round (Figure E3-1).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorohexanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

**TABLE E1-1
JANUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (20 Compounds)		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	1/27/2021	1,148	13,380	11.7	10	183.8	20	366.6	0.054	0.055	1.71E-04	48,000	0.1688	0.1693
2	PIW-3D	1/29/2021	873	11,010	12.6	10	221.2	20	526.0	0.045	0.038	1.71E-04	37,000	0.0889	0.0748
3	LTW-02	1/27/2021	875	5,560	6.4	10	387.2	20	738.9	0.026	0.027	1.02E-04	52,000	0.0215	0.0225
4	LTW-03	1/28/2021	729	2,831	3.9	10	387.2	20	738.9	0.026	0.027	1.02E-04	220,000	0.0463	0.0485
5	PZ-22	1/19/2021	656	15,240	23.2	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	250,000	0.4772	0.7069
6	PIW-7D	1/27/2021	524	15,960	30.5	10	741.7	20	1,001.5	0.013	0.020	3.28E-04	200,000	0.3998	0.5922
7	LTW-05	1/19/2021	887	17,220	19.4	10	798.1	20	1,025.7	0.013	0.019	1.28E-04	220,000	0.1720	0.2677
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	798.1	20	1,025.7	0.013	0.019	2.59E-04	180,000	0.9320	1.4503
Total														2.31	3.33

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the January 2021 synoptic well gauging round (Figure E3-1).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorohexanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

**TABLE E1-2
FEBRUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Attachment C ⁴		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	2/8/2021	1,148	13,380	11.7	10	191.3	20	513.2	0.052	0.039	1.71E-04	42,000	0.1419	0.1058
2	PIW-3D	2/8/2021	873	11,010	12.6	10	384.1	20	643.0	0.026	0.031	1.71E-04	33,000	0.0457	0.0546
3	LTW-02	2/11/2021	875	5,560	6.4	10	492.7	20	792.9	0.020	0.025	1.02E-04	57,000	0.0185	0.0230
4	LTW-03	2/4/2021	729	2,831	3.9	10	492.7	20	792.9	0.020	0.025	1.02E-04	200,000	0.0331	0.0411
5	PZ-22	2/23/2021	656	15,240	23.2	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	250,000	0.5379	0.6986
6	PIW-7D	2/23/2021	524	15,960	30.5	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	210,000	0.4732	0.6146
7	LTW-05	2/11/2021	887	17,220	19.4	10	813.5	20	1,061.6	0.012	0.019	1.28E-04	230,000	0.1764	0.2704
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	813.5	20	1,061.6	0.012	0.019	2.59E-04	180,000	0.9143	1.4013
Total													2.34	3.21	

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the February 2021 synoptic well gauging round (Figure E3-2).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorohexanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

**TABLE E1-2
FEBRUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (17 Compounds) ⁵		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	2/8/2021	1,148	13,380	11.7	10	191.3	20	513.2	0.052	0.039	1.71E-04	42,000	0.1419	0.1058
2	PIW-3D	2/8/2021	873	11,010	12.6	10	384.1	20	643.0	0.026	0.031	1.71E-04	33,000	0.0457	0.0546
3	LTW-02	2/11/2021	875	5,560	6.4	10	492.7	20	792.9	0.020	0.025	1.02E-04	58,000	0.0189	0.0234
4	LTW-03	2/4/2021	729	2,831	3.9	10	492.7	20	792.9	0.020	0.025	1.02E-04	200,000	0.0331	0.0411
5	PZ-22	2/23/2021	656	15,240	23.2	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	250,000	0.5379	0.6986
6	PIW-7D	2/23/2021	524	15,960	30.5	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	210,000	0.4732	0.6146
7	LTW-05	2/11/2021	887	17,220	19.4	10	813.5	20	1,061.6	0.012	0.019	1.28E-04	230,000	0.1764	0.2704
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	813.5	20	1,061.6	0.012	0.019	2.59E-04	180,000	0.9143	1.4013
Total														2.34	3.21

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the February 2021 synoptic well gauging round (Figure E3-2).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

**TABLE E1-2
FEBRUARY ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (20 Compounds)		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	2/8/2021	1,148	13,380	11.7	10	191.3	20	513.2	0.052	0.039	1.71E-04	43,000	0.1453	0.1083
2	PIW-3D	2/8/2021	873	11,010	12.6	10	384.1	20	643.0	0.026	0.031	1.71E-04	34,000	0.0471	0.0562
3	LTW-02	2/11/2021	875	5,560	6.4	10	492.7	20	792.9	0.020	0.025	1.02E-04	59,000	0.0192	0.0238
4	LTW-03	2/4/2021	729	2,831	3.9	10	492.7	20	792.9	0.020	0.025	1.02E-04	200,000	0.0331	0.0411
5	PZ-22	2/23/2021	656	15,240	23.2	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	250,000	0.5379	0.6986
6	PIW-7D	2/23/2021	524	15,960	30.5	10	658.1	20	1,013.3	0.015	0.020	3.28E-04	210,000	0.4732	0.6146
7	LTW-05	2/11/2021	887	17,220	19.4	10	813.5	20	1,061.6	0.012	0.019	1.28E-04	230,000	0.1764	0.2704
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	813.5	20	1,061.6	0.012	0.019	2.59E-04	180,000	0.9143	1.4013
Total														2.35	3.21

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the February 2021 synoptic well gauging round (Figure E3-2).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorheptanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft₂ - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

**TABLE E1-3
MARCH ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Attachment C ⁴		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	3/11/2021	1,148	13,380	11.7	10	553.9	20	951.7	0.018	0.021	1.71E-04	45,000	0.0525	0.0611
2	PIW-3D	3/16/2021	873	11,010	12.6	10	339.4	20	592.7	0.029	0.034	1.71E-04	41,000	0.0643	0.0736
3	LTW-02	3/16/2021	875	5,560	6.4	10	411.0	20	682.6	0.024	0.029	1.02E-04	52,000	0.0203	0.0244
4	LTW-03	3/9/2021	729	2,831	3.9	10	411.0	20	682.6	0.024	0.029	1.02E-04	200,000	0.0397	0.0478
5	PZ-22	3/23/2021	656	15,240	23.2	10	542.8	20	951.4	0.018	0.021	3.28E-04	320,000	0.8347	0.9524
6	PIW-7D	3/23/2021	524	15,960	30.5	10	542.8	20	951.4	0.018	0.021	3.28E-04	220,000	0.6010	0.6857
7	LTW-05	3/23/2021	887	17,220	19.4	10	769.6	20	991.6	0.013	0.020	1.28E-04	240,000	0.1946	0.3020
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	769.6	20	991.6	0.013	0.020	2.59E-04	180,000	0.9665	1.5002
Total														2.77	3.65

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the March 2021 synoptic well gauging round (Figure E3-3).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorheptanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft₂ - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

**TABLE E1-3
MARCH ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (17 Compounds) ⁵		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	3/11/2021	1,148	13,380	11.7	10	553.9	20	951.7	0.018	0.021	1.71E-04	45,000	0.0525	0.0611
2	PIW-3D	3/16/2021	873	11,010	12.6	10	339.4	20	592.7	0.029	0.034	1.71E-04	41,000	0.0643	0.0736
3	LTW-02	3/16/2021	875	5,560	6.4	10	411.0	20	682.6	0.024	0.029	1.02E-04	52,000	0.0203	0.0244
4	LTW-03	3/9/2021	729	2,831	3.9	10	411.0	20	682.6	0.024	0.029	1.02E-04	200,000	0.0397	0.0478
5	PZ-22	3/23/2021	656	15,240	23.2	10	542.8	20	951.4	0.018	0.021	3.28E-04	320,000	0.8347	0.9524
6	PIW-7D	3/23/2021	524	15,960	30.5	10	542.8	20	951.4	0.018	0.021	3.28E-04	220,000	0.6010	0.6857
7	LTW-05	3/23/2021	887	17,220	19.4	10	769.6	20	991.6	0.013	0.020	1.28E-04	240,000	0.1946	0.3020
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	769.6	20	991.6	0.013	0.020	2.59E-04	180,000	0.9665	1.5002
Total													2.77	3.65	

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the March 2021 synoptic well gauging round (Figure E3-3).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorheptanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

**TABLE E1-3
MARCH ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina**

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Lower Elevation Difference) ² (ft)	Upper Groundwater Contour Elevation Difference ² (ft)	Horizontal Distance Between Contours (Upper Elevation Difference) ² (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity ³ (ft/sec)	Total Table 3+ (20 Compounds)		
													Concentration ⁶ (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	3/11/2021	1,148	13,380	11.7	10	553.9	20	951.7	0.018	0.021	1.71E-04	45,000	0.0525	0.0611
2	PIW-3D	3/16/2021	873	11,010	12.6	10	339.4	20	592.7	0.029	0.034	1.71E-04	42,000	0.0658	0.0754
3	LTW-02	3/16/2021	875	5,560	6.4	10	411.0	20	682.6	0.024	0.029	1.02E-04	54,000	0.0210	0.0253
4	LTW-03	3/9/2021	729	2,831	3.9	10	411.0	20	682.6	0.024	0.029	1.02E-04	210,000	0.0417	0.0502
5	PZ-22	3/23/2021	656	15,240	23.2	10	542.8	20	951.4	0.018	0.021	3.28E-04	320,000	0.8347	0.9524
6	PIW-7D	3/23/2021	524	15,960	30.5	10	542.8	20	951.4	0.018	0.021	3.28E-04	230,000	0.6283	0.7169
7	LTW-05	3/23/2021	887	17,220	19.4	10	769.6	20	991.6	0.013	0.020	1.28E-04	240,000	0.1946	0.3020
8	PW-11 ⁷	7/23/2020	1,986	56,300	28.3	10	769.6	20	991.6	0.013	0.020	2.59E-04	180,000	0.9665	1.5002
Total														2.81	3.68

Notes

- 1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
- 2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the March 2021 synoptic well gauging round (Figure E3-3).
- 3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
- 4 - Attachment C does not include Perfluorohexanoic acid (PFHpA).
- 5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
- 6- Detailed PFAS Concentrations provided in Table 10.
- 7 - PW-11 was not sampled during the 1st 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
 ft/sec - feet per second
 ft₂ - square feet
 mg/sec - milligrams per second
 ng/L - nanograms per liter

TABLE E2-1
JANUARY ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Hydraulic Gradient (Lower Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Conductivity (ft/sec) ¹	Flow Lower Bound (ft ³ /sec)	Flow Upper Bound (ft ³ /sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,380	0.054	0.055	1.71E-04	1.24E-01	1.25E-01	80,271	80,487
2	11,010	0.045	0.038	1.71E-04	8.49E-02	7.14E-02	54,871	46,156
3	5,560	0.026	0.027	1.02E-04	1.46E-02	1.53E-02	9,440	9,892
4	2,831	0.026	0.027	1.02E-04	7.44E-03	7.79E-03	4,806	5,036
5	15,240	0.013	0.020	3.28E-04	6.74E-02	9.98E-02	43,572	64,534
6	15,960	0.013	0.020	3.28E-04	7.06E-02	1.05E-01	45,630	67,583
7	17,220	0.013	0.019	1.28E-04	2.76E-02	4.30E-02	17,844	27,768
8	56,300	0.013	0.019	2.59E-04	1.83E-01	2.85E-01	118,178	183,902
					0.580	0.751	374,613	485,358

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1.

2 - Hydraulic gradient determined using a lower groundwater contour elevation difference (10 ft) and an upper groundwater contour elevation difference (20 ft)

ft - feet

ft² - square feet

ft/sec - feet per second

ft³/sec - cubic feet per second

gal/day - gallons per day

TABLE E2-2
FEBRUARY ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Hydraulic Gradient (Lower Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Conductivity (ft/sec) ¹	Flow Lower Bound (ft ³ /sec)	Flow Upper Bound (ft ³ /sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,380	0.052	0.039	1.71E-04	1.19E-01	8.90E-02	77,138	57,494
2	11,010	0.026	0.031	1.71E-04	4.89E-02	5.84E-02	31,607	37,760
3	5,560	0.020	0.025	1.02E-04	1.15E-02	1.43E-02	7,418	9,218
4	2,831	0.020	0.025	1.02E-04	5.84E-03	7.26E-03	3,777	4,693
5	15,240	0.015	0.020	3.28E-04	7.60E-02	9.87E-02	49,107	63,784
6	15,960	0.015	0.020	3.28E-04	7.96E-02	1.03E-01	51,428	66,798
7	17,220	0.012	0.019	1.28E-04	2.71E-02	4.15E-02	17,506	26,830
8	56,300	0.012	0.019	2.59E-04	1.79E-01	2.75E-01	115,938	177,685
					0.548	0.687	353,919	444,263

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1.

2 - Hydraulic gradient determined using a lower groundwater contour elevation difference (10 ft) and an upper groundwater contour elevation difference (20 ft)

ft - feet

ft² - square feet

ft/sec - feet per second

ft³/sec - cubic feet per second

gal/day - gallons per day

TABLE E2-3
MARCH ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Hydraulic Gradient (Lower Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) ^{1,2} (ft/ft)	Hydraulic Conductivity (ft/sec) ¹	Flow Lower Bound (ft ³ /sec)	Flow Upper Bound (ft ³ /sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,380	0.018	0.021	1.71E-04	4.12E-02	4.80E-02	26,635	31,005
2	11,010	0.029	0.034	1.71E-04	5.53E-02	6.34E-02	35,772	40,968
3	5,560	0.024	0.029	1.02E-04	1.38E-02	1.66E-02	8,892	10,708
4	2,831	0.024	0.029	1.02E-04	7.00E-03	8.44E-03	4,527	5,452
5	15,240	0.018	0.021	3.28E-04	9.21E-02	1.05E-01	59,535	67,930
6	15,960	0.018	0.021	3.28E-04	9.65E-02	1.10E-01	62,347	71,140
7	17,220	0.013	0.020	1.28E-04	2.86E-02	4.44E-02	18,505	28,724
8	56,300	0.013	0.020	2.59E-04	1.90E-01	2.94E-01	122,552	190,231
					0.524	0.690	338,765	446,158

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1.

2 - Hydraulic gradient determined using a lower groundwater contour elevation difference (10 ft) and an upper groundwater contour elevation difference (20 ft)

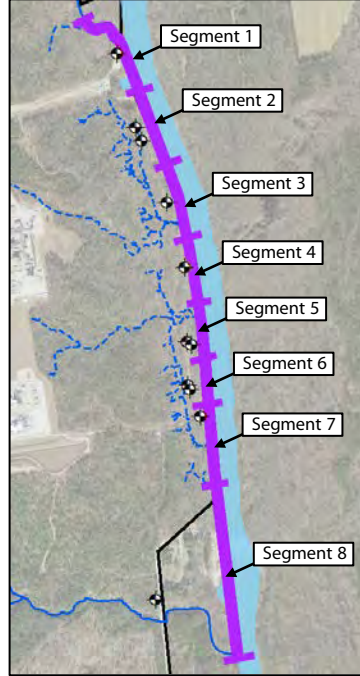
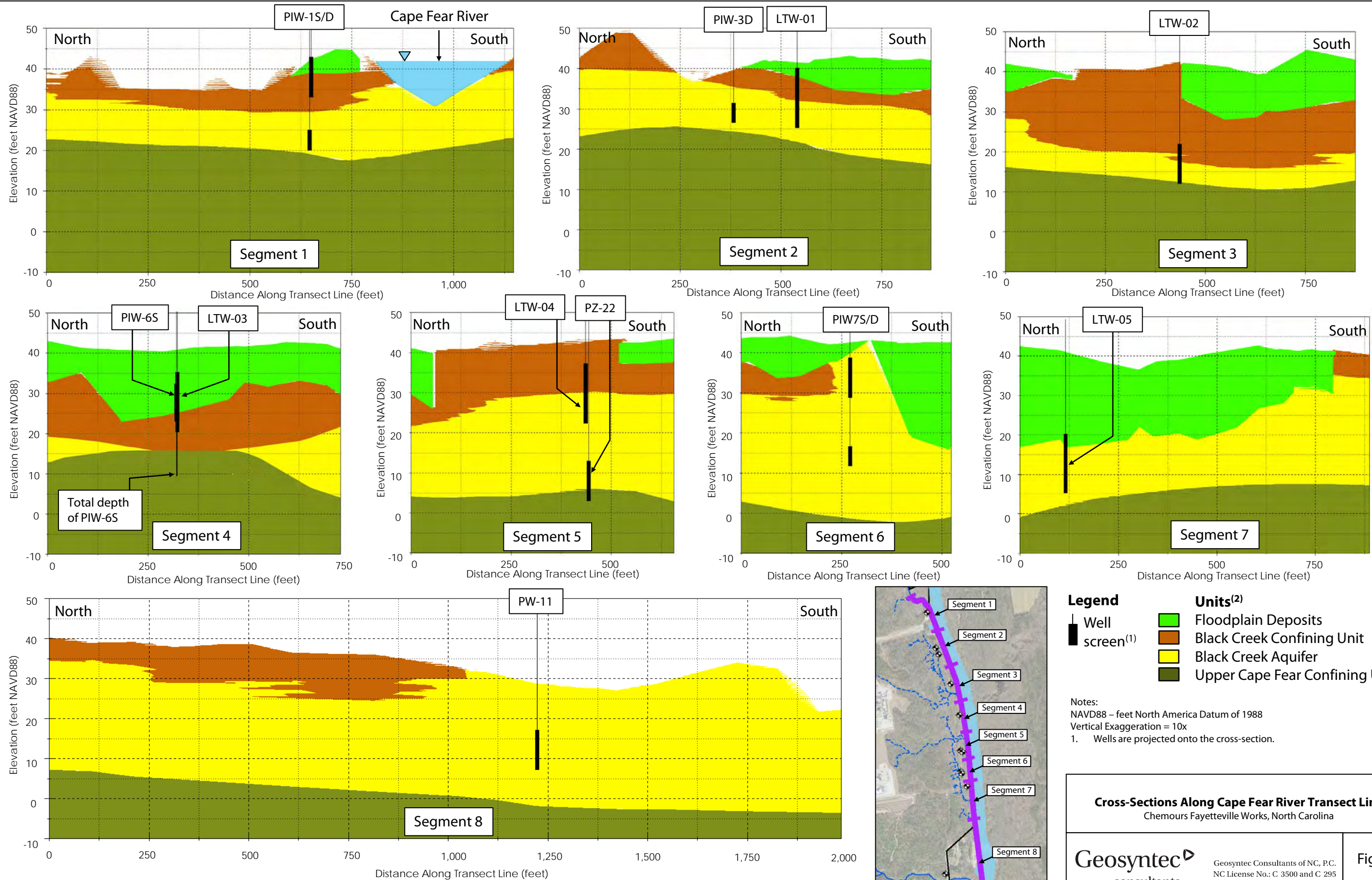
ft - feet

ft² - square feet

ft/sec - feet per second

ft³/sec - cubic feet per second

gal/day - gallons per day



Legend

- Well screen⁽¹⁾

Units⁽²⁾

- Floodplain Deposits
- Black Creek Confining Unit
- Black Creek Aquifer
- Upper Cape Fear Confining Unit

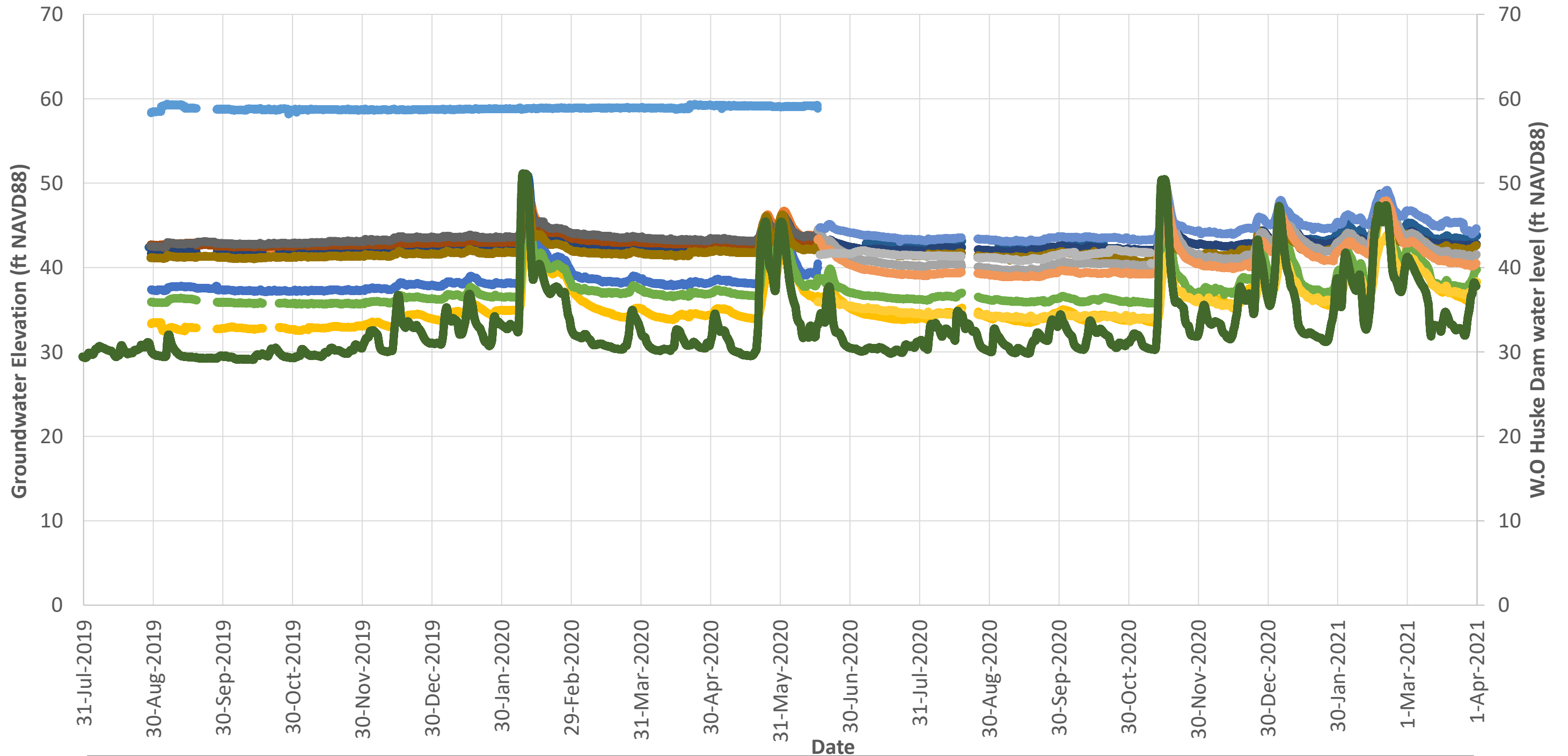
Notes:
 NAVD88 – feet North America Datum of 1988
 Vertical Exaggeration = 10x
 1. Wells are projected onto the cross-section.

Cross-Sections Along Cape Fear River Transect Line
 Chemours Fayetteville Works, North Carolina

	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh	June 2021

Figure
E2

https://projects.eb.geosyntec.com/5/FWCConsentOrder/Shared Documents/04-P16 Quarterly Reports/01-Quarterly Reports/2021 Q1/Report/Appendices/Appendix E - Onsite Groundwater Pathway/Figure F4 - Hydrograph



- LTW-01
- LTW-02
- LTW-05
- PIW-1D
- PIW-2D
- PIW-3D
- PIW-4D
- PIW-7D
- PIW-7S
- PIW-8D
- LTW-03
- LTW-04
- PIW-6S
- PW-11
- SMW-12
- W.O. Huske Dam

Notes:
 ft - feet
 NAVD88 - North American Vertical Datum of 1988

Hydrograph for Select Onsite Groundwater Monitoring Wells and W.O Huske Dam		Figure E4
Chemours Fayetteville Works, North Carolina		
 Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh	June 2021	

APPENDIX F

Supporting Calculations – Direct Aerial Deposition on Cape Fear River

APPENDIX F

SUPPORTING CALCULATIONS – DIRECT AERIAL DEPOSITION ON CAPE FEAR RIVER

INTRODUCTION AND OBJECTIVE

Nine pathways (main report Table 7) were identified as potentially contributing to observed Cape Fear River per- and polyfluoroalkyl substances (PFAS) concentrations. These pathways include direct PFAS aerial deposition to the Cape Fear River. This pathway was identified as Transport Pathway Number 3 in the PFAS mass loading model. The mass discharge (mass per unit time measured in milligrams per second [mg/s]) from direct aerial deposition of PFAS to the Cape Fear River was estimated by scaling air deposition modeling results for Hexafluoropropylene oxide dimer acid (HFPO-DA; ERM, 2018). The objective of the supporting calculations presented in this appendix is to estimate aerially deposited PFAS directly on the Cape Fear River during a mass loading event.

APPROACH

HFPO-DA mass loading directly to the Cape Fear River was estimated using the reported aerial extent and deposition contours modeled for October 2018 (ERM, 2018). As depicted in (Table F1), the HFPO-DA air loading data (micrograms per meters squared [$\mu\text{g}/\text{m}^2$]) provided from ERM (2018) was used to calculate the net hourly deposition rate (nanograms per meters squared per hour [$\text{ng}/\text{m}^2/\text{hr}$]) using the Equation 1 below:

Equation 1: Net Hourly Deposition Rate

$$DR_{NET} = \frac{ML_{AIR}}{t_{AIR}}$$

where:

DR_{NET} = Net hourly deposition rate with units of mass per area per time ($\text{M L}^{-2} \text{T}^{-1}$), typically in $\text{ng}/\text{m}^2/\text{hr}$;

ML_{AIR} = Air mass loading of HFPO-DA with units of mass per area (M L^{-2}), typically $\mu\text{g}/\text{m}^2$;
and

t_{AIR} = time that air mass loading was modeled (T), typically hours.

Depositional area along the river was calculated using available data for river width and computed river lengths where deposition contours were modeled. Eighteen (18) sections (Figure F1) provided from FEMA (2007) were selected along the Cape Fear River to measure the average river width (m). As depicted in Figures F2 through F6, sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu\text{g}/\text{m}^2$ were selected, and the length of the Cape Fear River along each of the sections was measured. The average river width calculated in Table F2 and section lengths from Figures F2 through F6 were used to calculate section areas (m^2) as described in Equation 2 below:

Equation 2: Cape Fear River Surface Area for Each Section

$$A_s = L_s \times W_s$$

where,

A_s = total spatial area over which deposition occurs between contours (L^2) in section “s”, typically in m^2 ;

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu g/m^2$ (five sections in total);

L = total length of river within section “s”, typically in m; and

W_s = average river width in section “s”, typically in m.

Start and end deposition rates ($ng/m^2/hr$) for each section along the Cape Fear River will be estimated based on the deposition contours and corresponding net hourly deposition rate (Table F1); a combined deposition rate for each section will be calculated as the average of the start and end deposition rates. River velocity (meters per hour [m/hr]) will be estimated from measured flow rates from USGS (2021) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Tables F3-1 to F3-3. The combined deposition rate ($ng/m^2/hr$) from Table F1, section area (m^2), and travel time (hr) will be used to calculate mass HFPO-DA deposited (ng) as follows in **Equation 3** below.

Equation 3: Total HFPO-DA Mass Discharge to Cape Fear River

$$MD_{HFPO-DA} = \sum_{s=1}^S DR_{AVG,s} \times A_s \times t_s$$

where,

$MD_{HFPO-DA}$ = total mass discharge of HFPO-DA into the river across all sections, with units of mass per time ($M T^{-1}$), typically mg/s ;

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu g/m^2$;

S = total number of sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu g/m^2$, five in total;

$DR_{AVG,s}$ = average deposition rate based from the ERM model (2018) in section “s”, typically in $ng/m^2/hr$;

A_s = spatial area over which deposition occurs in section “s”, typically in m^2 ; and

t_s = travel time through the river length in section “s”, typically in hr.

As reported in the Corrective Action Plan (Geosyntec, 2019), ten offsite groundwater seeps south of Old Outfall 002 (Seeps E to M) were identified on the west bank of the Cape Fear River south of the Site. Seeps E to M were sampled in October 2019 and Seeps E to K were sampled in March

2020 and analyzed for PFAS. The results of both sampling events indicate that Seeps E to M show an aerial deposition PFAS signature (concentrations decrease in seeps more distant from the Site). Accordingly, the offsite seep data were used to build a relationship between HFPO-DA and other PFAS compounds (Figure F7). A scaling factor (Table F4) was used to estimate mass discharge of Total PFAS compounds to the Cape Fear River as shown in Equation 4. Tables F5-1 to F5-3 shows the estimated mass discharges of HFPO-DA and Total PFAS compounds to the Cape Fear River.

Equation 4: Total PFAS Mass Discharge to Cape Fear River

$$MD_{PFAS} = MD_{HFPO-DA} \times R$$

where,

MD_{PFAS} = total mass discharge of PFAS compounds into the river, typically in mg/s;

$MD_{HFPO-DA}$ = total mass discharge of HFPO-DA into the river, typically in mg/s; and

R = average ratio of measured HFPO-DA to PFAS compounds across the nine offsite seeps.

REFERENCES

- ERM, 2018. Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.
- Federal Emergency Management Agency (FEMA), 2007. "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear River ADJ. HEC-RAS 5.0.7.
- Geosyntec, 2019. Corrective Action Plan. Chemours Fayetteville Works. December 31, 2019.
- USGS, 2021. USGS 02105500 Cape Fear River at Wilm O Huske Lock near Tarheel, NC. Available at: https://waterdata.usgs.gov/nwis/uv?site_no=02105500

TABLE F1
NET HOURLY HFPO-DA DEPOSITION RATE
Chemours Fayetteville Works, North Carolina

Air Loading ($\mu\text{g}/\text{m}^2$)	Air Loading (ng/m^2)	Time (year)	Time (hour)	Net Hourly Deposition Rate ($\text{ng}/\text{m}^2/\text{hr}$)
40	40,000	1	8,760	4.6
80	80,000	1	8,760	9.1
160	160,000	1	8,760	18.3
320	320,000	1	8,760	36.5
640	640,000	1	8,760	73.1

Notes:

1. HFPO-DA model values are from ERM (2018). Modeling Report: HFPO-DA Atmospheric Deposition and Screening

Groundwater Effects. 27 April 2018.

2. Air deposition contours are shown in Figures F2 through F6.

3. Net hourly deposition rates are used in the mass discharge calculations, Table F5.

Abbreviations:

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid.

$\mu\text{g}/\text{m}^2$: micrograms per meter square.

ng /L: nanograms per liter.

$\text{ng}/\text{m}^2/\text{hr}$: nanograms per meter square per hour.

**TABLE F2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina**

Cross section ID*	HEC-RAS Model Point ID**	Easting (ft)	Northing (ft)	Cape Fear River Width at Cross Section (m)
619506	0	2,052,368	399,949	84
	1	2,052,366	399,949	
	2	2,052,334	399,946	
	3	2,052,254	399,938	
	4	2,052,155	399,928	
	5	2,052,095	399,922	
	6	2,052,093	399,922	
614224	18	2,053,460	394,655	163
	19	2,053,436	394,649	
	20	2,053,281	394,613	
	21	2,053,277	394,612	
	22	2,053,180	394,590	
	23	2,053,079	394,566	
	24	2,052,977	394,543	
	25	2,052,949	394,536	
	26	2,052,924	394,531	
616535	7	2,053,113	396,901	91
	8	2,053,070	396,895	
	9	2,052,990	396,886	
	10	2,052,891	396,874	
	11	2,052,831	396,867	
	12	2,052,815	396,865	
613542	21	2,053,373	393,937	89
	22	2,053,349	393,931	
	23	2,053,271	393,913	
	24	2,053,174	393,891	
	25	2,053,115	393,877	
	26	2,053,081	393,869	
614517	13	2,053,209	394,897	76***
	14	2,053,130	394,878	
	15	2,053,032	394,854	
	16	2,052,974	394,840	
	17	2,052,961	394,837	
610240	31	2,053,769	390,652	60***
	32	2,053,729	390,645	
	33	2,053,643	390,630	
	34	2,053,602	390,623	
	35	2,053,572	390,618	
612082	27	2,053,560	392,482	72
	28	2,053,430	392,455	
	29	2,053,370	392,443	
	30	2,053,322	392,433	
606667	1271	2,054,059	387,249	101
	1272	2,054,022	387,215	
	1273	2,053,995	387,190	
	1274	2,053,946	387,145	
	1275	2,053,861	387,067	
	1276	2,053,812	387,023	
	1277	2,053,801	387,012	
	1278	2,053,727	386,945	
608468	1193	2,053,950	388,876	107
	1194	2,053,902	388,874	
	1195	2,053,843	388,871	
	1196	2,053,717	388,866	
	1197	2,053,659	388,864	
	1198	2,053,650	388,863	
	1199	2,053,600	388,861	
606667	1271	2,054,059	387,249	101
	1272	2,054,022	387,215	
	1273	2,053,995	387,190	
	1274	2,053,946	387,145	
	1275	2,053,861	387,067	
	1276	2,053,812	387,023	
	1277	2,053,801	387,012	
	1278	2,053,727	386,945	
600052	1498	2,057,643	382,269	87
	1499	2,057,610	382,246	
	1500	2,057,556	382,208	
	1501	2,057,461	382,141	
	1502	2,057,408	382,103	
	1503	2,057,398	382,096	
	1504	2,057,358	382,067	

**TABLE F2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina**

Cross section ID*	HEC-RAS Model Point ID**	Easting (ft)	Northing (ft)	Cape Fear River Width at Cross Section (m)
604474	1331	2,055,879	386,154	95
	1332	2,055,812	386,120	
	1333	2,055,753	386,090	
	1334	2,055,647	386,037	
	1335	2,055,588	386,007	
	1336	2,055,566	385,996	
597968	1565	2,058,901	380,593	116
	1566	2,058,830	380,549	
	1567	2,058,774	380,515	
	1568	2,058,675	380,453	
	1569	2,058,619	380,418	
602061	1406	2,056,453	383,857	104
	1407	2,056,356	383,798	
	1408	2,056,301	383,763	
	1409	2,056,202	383,702	
	1410	2,056,146	383,667	
	1411	2,056,113	383,647	
594185	1717	2,060,560	377,186	100
	1718	2,060,482	377,157	
	1719	2,060,421	377,134	
	1720	2,060,312	377,094	
	1721	2,060,250	377,071	
	1722	2,060,232	377,065	
596259	1644	2,059,549	379,003	84
	1645	2,059,534	378,996	
	1646	2,059,474	378,970	
	1647	2,059,368	378,923	
	1648	2,059,308	378,896	
587968	2042	2,061,270	371,304	93
	2043	2,061,246	371,290	
	2044	2,061,179	371,252	
	2045	2,061,092	371,203	
	2046	2,061,042	371,174	
	2047	2,060,966	371,131	
591595	1825	2,060,295	374,663	91
	1826	2,060,270	374,661	
	1827	2,060,201	374,658	
	1828	2,060,079	374,653	
	1829	2,060,010	374,650	
590322	1931	2,060,424	373,459	100
	1932	2,060,378	373,442	
	1933	2,060,372	373,439	
	1934	2,060,311	373,416	
	1935	2,060,202	373,376	
	1936	2,060,140	373,353	
	1937	2,060,097	373,336	
Average River Cross Section Width (m) =				99

Notes:

*Cross sections locations are shown in Figure F1.

**Model point ID: are locations with northing, easting, and river depths provided in the HEC-RAS model.

1. Data provided from: "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." RiverADJ. HEC-RAS 5.0.7. (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear RiverADJ. HEC-RAS 5.0.7.

2. The horizontal datum is North American Datum 1983 projected into North Carolina East State Plane (3200).

3. The vertical datum is North American Datum 1988 projected into North Carolina East State Plane (3200).

Abbreviations:

ft: feet

m: meter

TABLE F3-1
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - JANUARY 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge ¹ (cfs)	USGS Reported Average Gage Height ¹ (ft)	USGS Reported Total Precipitation ^{1,2} (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value ³	Calculated Total Cross Sectional Area (ft ²)	Calculated River Velocity (ft/s)
1/26/2021	5,347	3.71	0.0	151,401	323	20	2	5,721	0.9
1/27/2021	9,403	5.12	0.0	266,252	323	22	2	6,058	1.6
1/28/2021	13,064	6.52	0.0	369,918	323	23	2	6,386	2.0
Average River Velocity:									1.5

Notes:

- 1) Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).
- 2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.
- 3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second.

ft: feet.

ft²: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F3-2
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge ¹ (cfs)	USGS Reported Average Gage Height ¹ (ft)	USGS Reported Total Precipitation ^{1,2} (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value ³	Calculated Total Cross Sectional Area (ft ²)	Calculated River Velocity (ft/s)
2/24/2021	16,784	10.63	0.0	475,281	323	27	2	7,303	2.3
2/25/2021	16,090	9.96	0.0	455,606	323	26	2	7,159	2.2
Average River Velocity:									2.3

Notes:

- 1) Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).
- 2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.
- 3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second.

ft: feet.

ft²: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F3-3
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - MARCH 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge ¹ (cfs)	USGS Reported Average Gage Height ¹ (ft)	USGS Reported Total Precipitation ^{1,2} (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value ³	Calculated Total Cross Sectional Area (ft ²)	Calculated River Velocity (ft/s)
3/29/2021	14,421	7.93	0.0	408,353	323	24	2	6,707	2.1
3/30/2021	15,972	9.29	0.0	452,273	323	26	2	7,011	2.3
3/31/2021	16,664	10.00	0.0	471,859	323	27	2	7,167	2.3
Average River Velocity:									2.3

Notes:

- 1) Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2021).
- 2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.
- 3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second.

ft: feet.

ft²: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

**TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina**

Location ID	SEEP-E	SEEP-E	SEEP-F	SEEP-F	SEEP-G	SEEP-G	SEEP-H
Field Sample ID	SEEP-E-0930	Seep E-030420	SEEP-F-0923	Seep F-030420	SEEP-G-0911	Seep G-030420	SEEP-H-0905
Sample Date	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1
Lab Sample ID	320-55576-1	1274949	320-55576-2	1274953	320-55576-3	1274957	320-55576-4
<i>Table 3+ SOP (ng/L)</i>							
Hfpo Dimer Acid	1,200	950	1,100	1,100	700	730	550
PFMOAA	480 J	390	900	730	190	220	140
PFO2HxA	800	470	810	640	470	410	350
PFO3OA	170	83	130	110	57	56	28
PFO4DA	83	17	7.3	9.1	9	7.9	<2
PFO5DA	46	<2	<2	<2	<2	<2	<2
PMPA	2,300	1,800	2,800	2,100	1,500	1,500	1,200
PEPA	710	600	870	710	490	520	360
PS Acid (Formerly PFESA-BP1)	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	90	24	9.6	10	22	11	16
R-PSDA (Formerly Byproduct 4)	220 J	53 J	92	68 J	79 J	44 J	39 J
Hydrolyzed PSDA (Formerly Byproduct 5)	2.1 J	<2	<2.9	<2	<2	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2	<2	<2	<2	<2	<2
NVHOS	15	6	12	8	5.4	5	4.3
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	7.7	2.3	2	<2	<2	<2	<2
R-EVE	76	20	60	40	39	28	21 J
PES	<2	<2	<2.3	<2	<2	<2	<2
PFECA B	<2	<2	<3	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	5,900	4,300	6,600	5,400	3,400	3,500	2,600
Total Table 3+ (20 Compounds) (ng/L)	6,200	4,400	6,800	5,500	3,600	3,500	2,700
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.9	4.5	6.0	4.9	4.9	4.8	4.7
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	5.2	4.6	6.2	5.0	5.1	4.8	4.9
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.87						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	5.03						

**TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina**

Location ID	SEEP-H	SEEP-I	SEEP-I	SEEP-J	SEEP-J	SEEP-K	SEEP-K
Field Sample ID	Seep H-030420	SEEP-I-0856	Seep I-030420	SEEP-J-0843	Seep J-030420	SEEP-K-0835	Seep K-030420
Sample Date	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227
Lab Sample ID	1274961	320-55576-5	1274965	320-55576-6	1274969	320-55576-7	1274973
<i>Table 3+ SOP (ng/L)</i>							
Hfpo Dimer Acid	540	570	470	580	250	640	490
PFMOAA	180	130	200	180 J	140	160	210
PFO2HxA	330	300	280	350 J	130	320	230
PFO3OA	30	17	18	120 J	16	41	28
PFO4DA	<2	<2	<2	58	4.7	11	5
PFO5DA	<2	<2	<2	20 J	2.2	4.8	<2
PMPA	1,100	1,200	1,100	810 J	660	1,300	1,000
PEPA	360	390	390	260	200	400	350
PS Acid (Formerly PFESA-BP1)	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	9.3	12	12	37	6.9	70	16
R-PSDA (Formerly Byproduct 4)	30 J	53 J	36	110 J	23	130 J	49
Hydrolyzed PSDA (Formerly Byproduct 5)	<2	<2	<2	<2	<2	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2	<2	<2	<2	<2	<2
NVHOS	3.7	4.4	4.5	8.1 J	2.8	5.2	4.7
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	2.7	<2	3.5	<2
R-EVE	20	23 J	17	16	13	46 J	25
PES	<2	<2	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	2,600	2,600	2,500	2,400	1,400	3,000	2,300
Total Table 3+ (20 Compounds) (ng/L)	2,600	2,700	2,500	2,600	1,400	3,100	2,400
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.8	4.6	5.3	4.1	5.6	4.7	4.7
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	4.8	4.7	5.3	4.5	5.6	4.8	4.9
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.87						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	5.03						

TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-L	SEEP-M
Field Sample ID	SEEP-L-0825	SEEP-M-0818
Sample Date	10/22/2019	10/22/2019
QA/QC	--	--
Sample Delivery Group (SDG)	320-55576-1	320-55576-1
Lab Sample ID	320-55576-8	320-55576-9
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	520	570
PFMOAA	130	100
PFO2HxA	220	190
PFO3OA	18	15
PFO4DA	2.7	<2
PFO5DA	<2	<2
PMPA	1,200	1,300
PEPA	350	410
PS Acid (Formerly PFESA-BP1)	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	44	28
R-PSDA (Formerly Byproduct 4)	120 J	78 J
Hydrolyzed PSDA (Formerly Byproduct 5)	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2
NVHOS	5.9	5.6
EVE Acid	<2	<2
Hydro-EVE Acid	<2	<2
R-EVE	44 J	26 J
PES	<2	<2
PFECA B	<2	<2
PFECA-G	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	2,500	2,600
Total Table 3+ (20 Compounds) (ng/L)	2,700	2,700
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.8	4.6
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	5.2	4.7
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	4.87	
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	5.03	

Notes:**Bold** - Analyte detected above associated reporting limitJ - Analyte detected. Reported value may not be accurate or precise
ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

**TABLE F5-1
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - JANUARY 2021
Chemours Fayetteville Works, North Carolina**

Section ¹	Start Air Loading (ug/m ²)	End Air Loading (ug/m ²)	Start Deposition Rate (ng/m ² /hr) ²	End Deposition Rate (ng/m ² /hr) ²	Average Deposition Rate (ng/m ² /hr)	Section Distance ³ (m)	Average River Width (m)	River Velocity ⁴ (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	1.5	1657.70	0.54	0.9	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	1.5	1657.70	0.30	0.2	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	1.5	1657.70	0.55	0.3	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	1.5	1657.70	0.35	0.3	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	1.5	1657.70	0.34	0.1	0.00011
Total HFPO-DA:											0.0011	
Total Table 3+ (17 Compounds):											0.01	
Total Table 3+ (20 Compounds):											0.01	

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between January 26 to 28, 2021, Table F3-1

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid

µg/m²/yr: micrograms per meter square per year

ft/s: feet per second

hr: hours

m/hr: meters per hour

m: meter

m²: meter square

mg/s: milligrams per second

mg: milligrams

ng/m²/hr: nanograms per meter square per hour

**TABLE F5-2
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - FEBRUARY 2021
Chemours Fayetteville Works, North Carolina**

Section ¹	Start Air Loading (ug/m ²)	End Air Loading (ug/m ²)	Start Deposition Rate (ng/m ² /hr) ²	End Deposition Rate (ng/m ² /hr) ²	Average Deposition Rate (ng/m ² /hr)	Section Distance ³ (m)	Average River Width (m)	River Velocity ⁴ (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	2.3	2494.02	0.36	0.6	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	2.3	2494.02	0.20	0.1	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	2.3	2494.02	0.36	0.2	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	2.3	2494.02	0.24	0.2	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	2.3	2494.02	0.23	0.1	0.00011
Total HFPO-DA:											0.0011	
Total Table 3+ (17 Compounds):											0.01	
Total Table 3+ (20 Compounds):											0.01	

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between February 24 to 25, 2021, Table F3-2

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid

µg/m²/yr: micrograms per meter square per year

ft/s: feet per second

hr: hours

m/hr: meters per hour

m: meter

m²: meter square

mg/s: milligrams per second

mg: milligrams

ng/m²/hr: nanograms per meter square per hour

**TABLE F5-3
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - MARCH 2021
Chemours Fayetteville Works, North Carolina**

Section ¹	Start Air Loading (ug/m ²)	End Air Loading (ug/m ²)	Start Deposition Rate (ng/m ² /hr) ²	End Deposition Rate (ng/m ² /hr) ²	Average Deposition Rate (ng/m ² /hr)	Section Distance ³ (m)	Average River Width (m)	River Velocity ⁴ (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	2.3	2469.92	0.37	0.6	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	2.3	2469.92	0.20	0.1	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	2.3	2469.92	0.37	0.2	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	2.3	2469.92	0.24	0.2	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	2.3	2469.92	0.23	0.1	0.00011
Total HFPO-DA:											0.0011	
Total Table 3+ (17 Compounds):											0.01	
Total Table 3+ (20 Compounds):											0.01	

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between March 29 to 31, 2021, Table F3-3

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid

µg/m²/yr: micrograms per meter square per year

ft/s: feet per second

hr: hours

m/hr: meters per hour

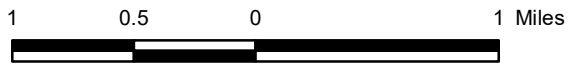
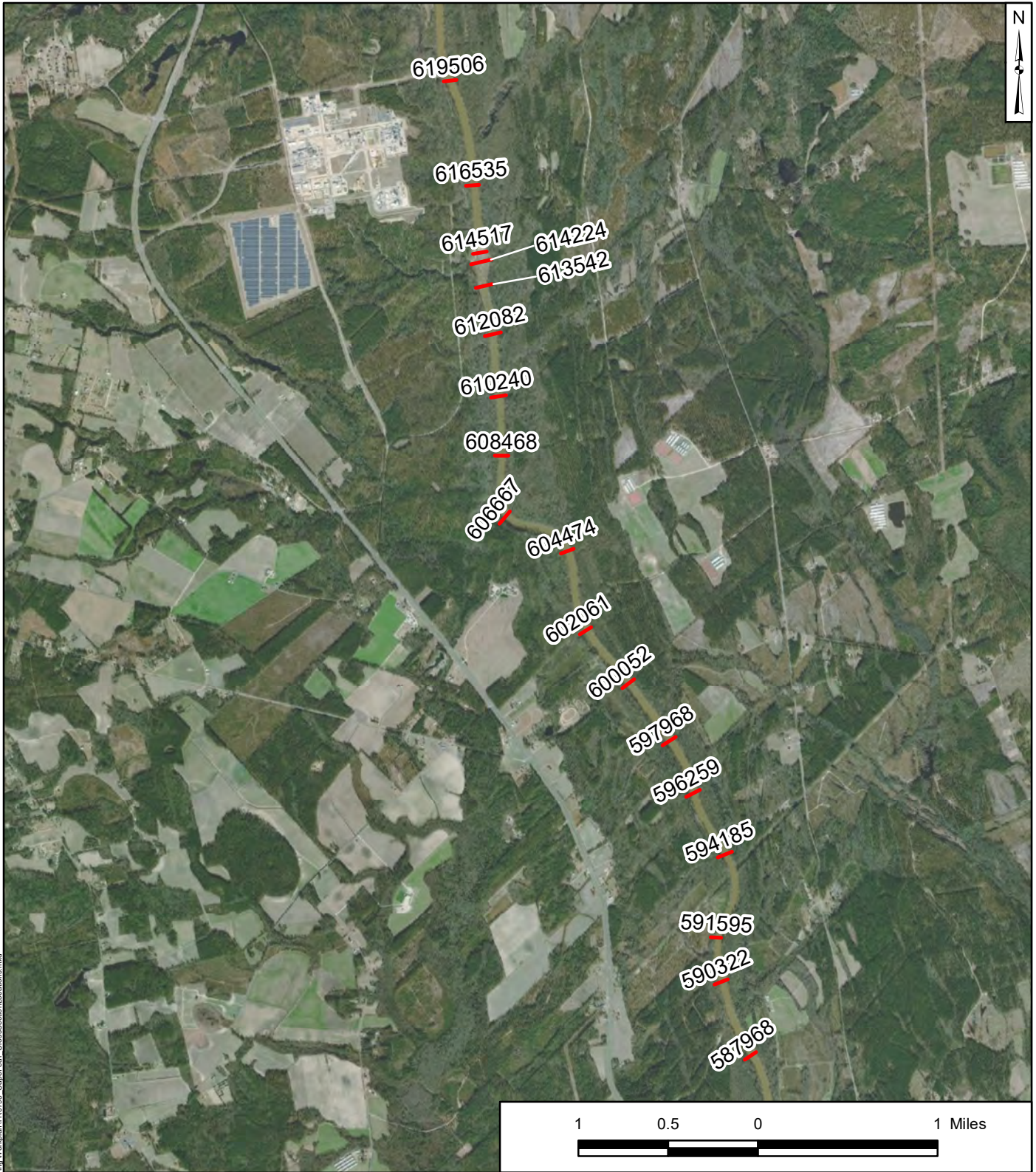
m: meter

m²: meter square

mg/s: milligrams per second

mg: milligrams

ng/m²/hr: nanograms per meter square per hour



Legend

Cross Section

Notes:

1. Cape Fear River cross section locations obtained from "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear RiverADJ. HEC-RAS 5.0.7.
2. Cross sections used for calculation of average river widths for calculation of aerial mass loading.
3. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Cape Fear River Cross Sections Locations

Chemours Fayetteville Works, North Carolina

Geosyntec
consultants

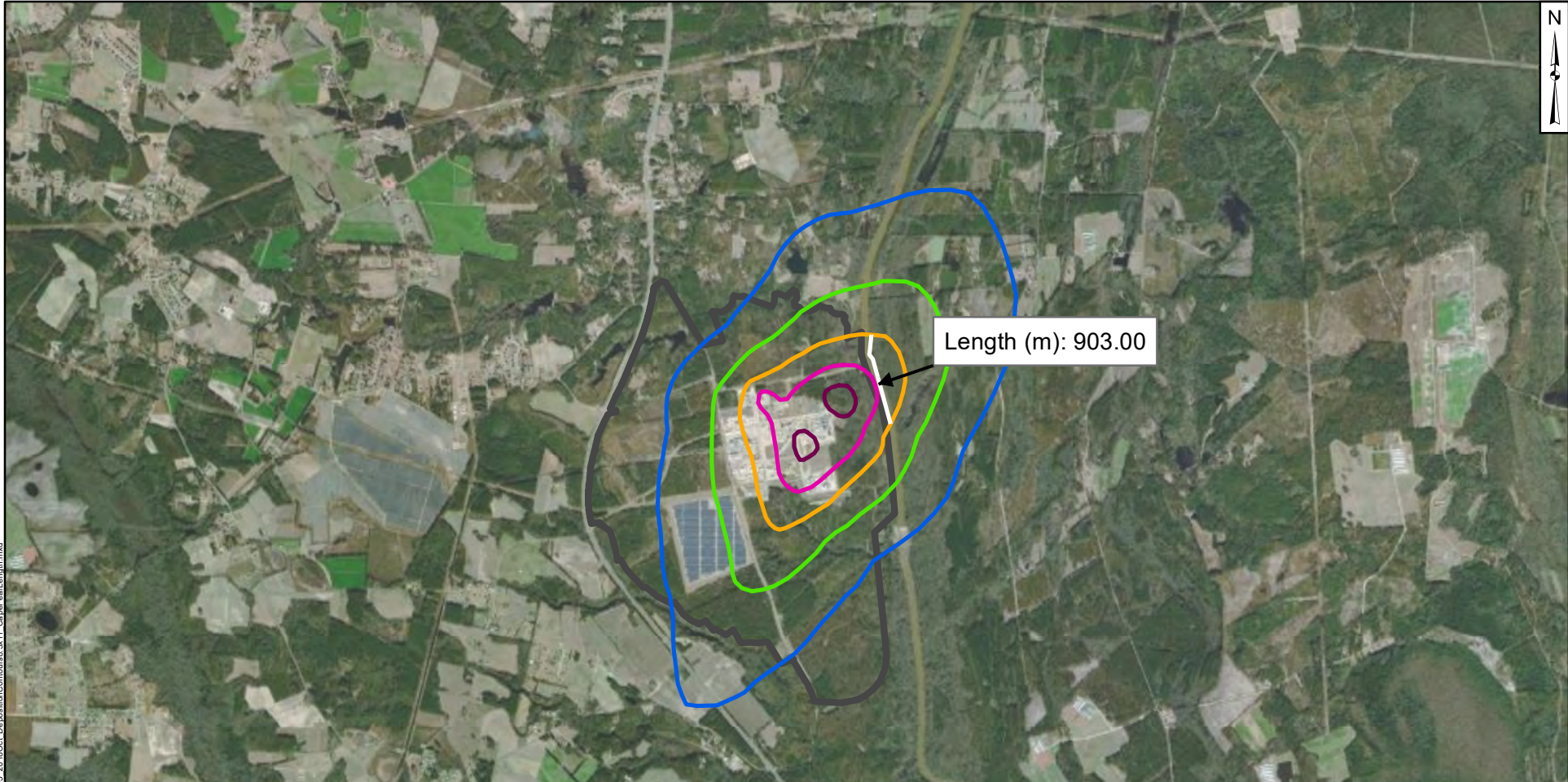
Geosyntec Consultants of NC, P.C.
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Figure

F1

Raleigh, NC

June 2021



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Legend

— Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:

HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

µg / m² / yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1 0.5 0 1 Miles



Measurement of Cape Fear River Length at Center Section

Chemours Fayetteville Works, North Carolina

Geosyntec
consultants

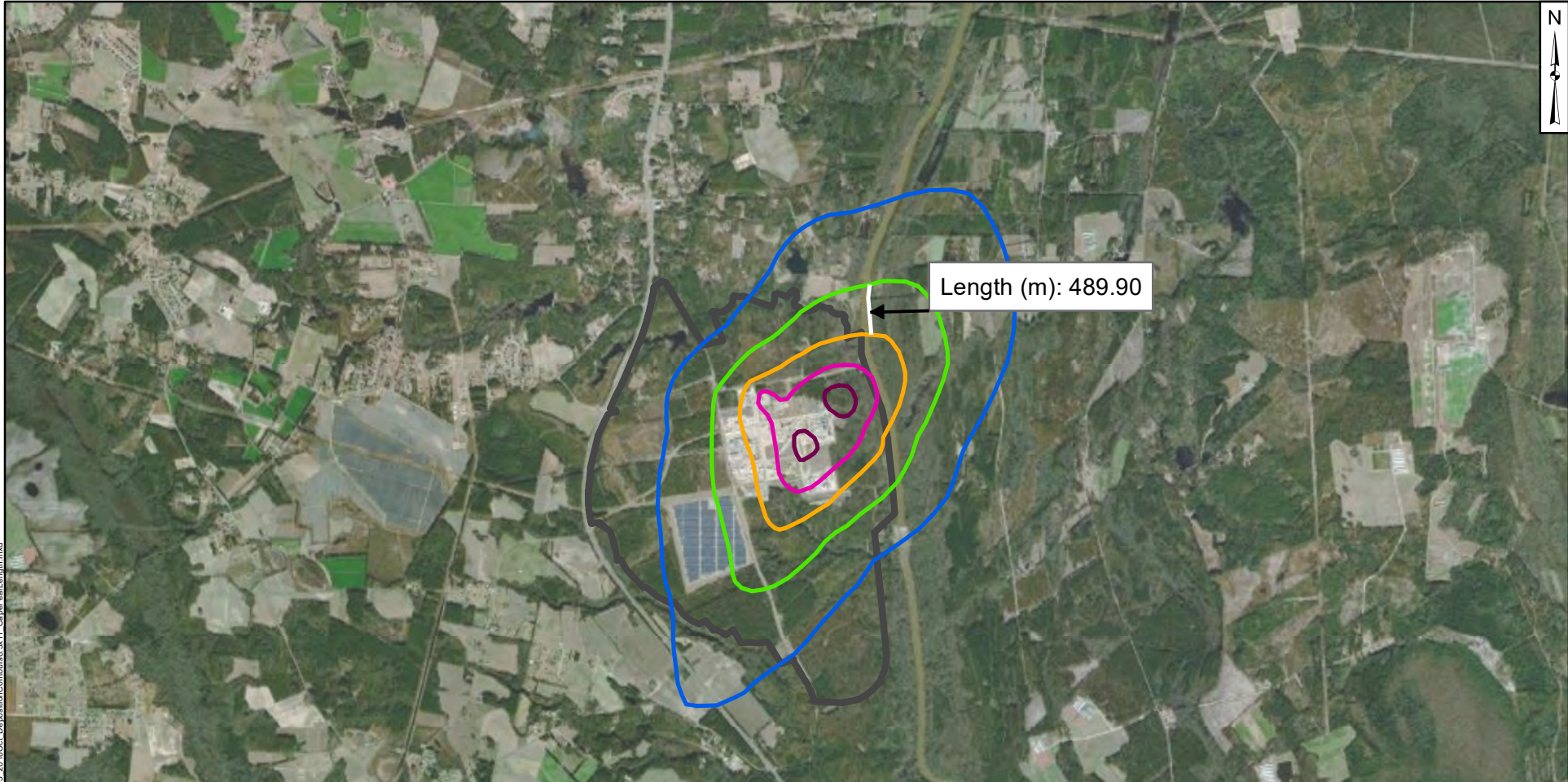
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Figure

F2

Raleigh, NC

June 2021



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Legend

— Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:

HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

µg / m² / yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1 0.5 0 1 Miles



Measurement of Cape Fear River Length at Up-River Section 1

Chemours Fayetteville Works, North Carolina

Geosyntec
consultants

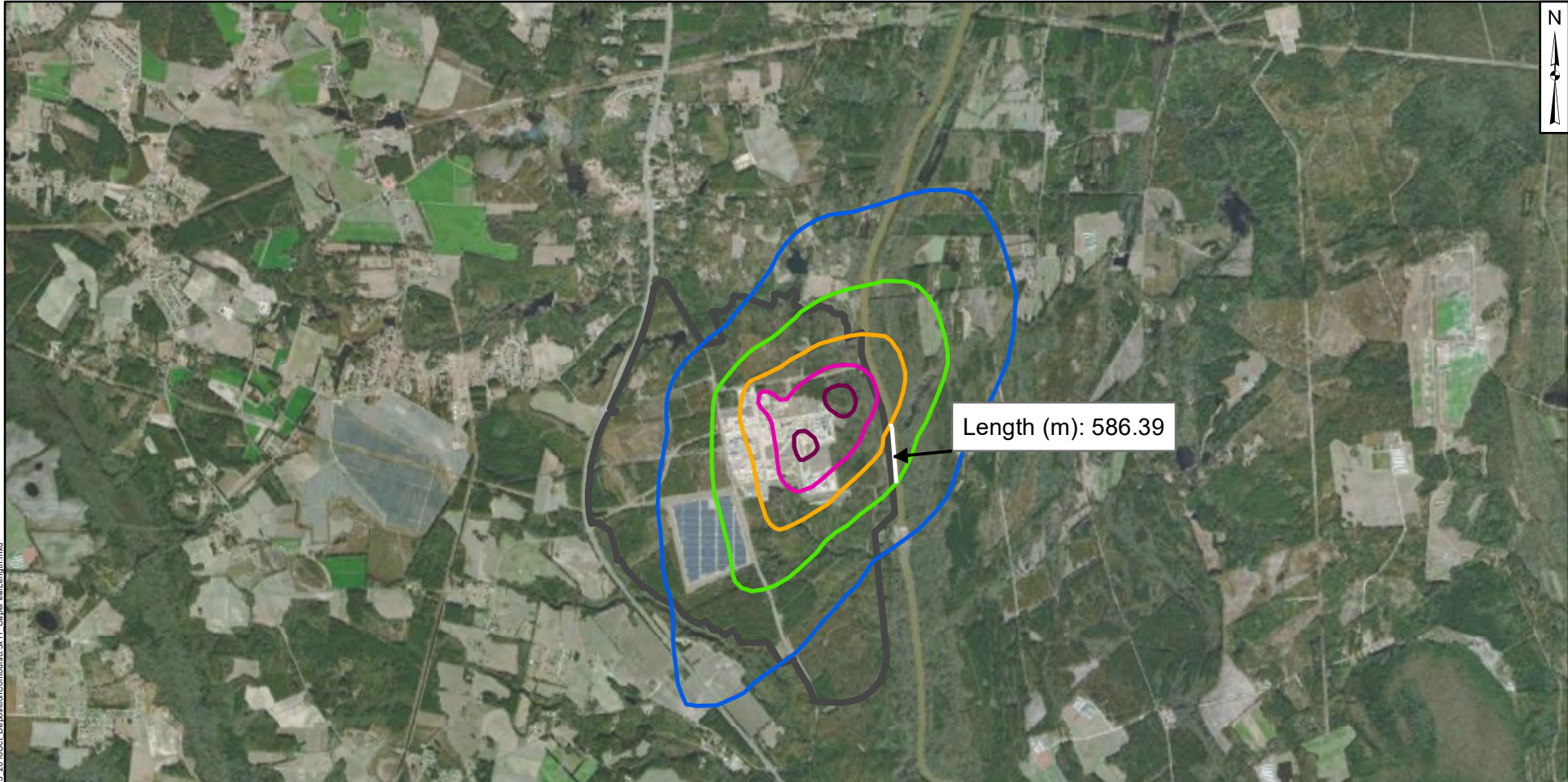
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Figure

F3

Raleigh, NC

June 2021



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Legend

— Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 $\mu\text{g}/\text{m}^2/\text{yr}$
- 80 $\mu\text{g}/\text{m}^2/\text{yr}$
- 160 $\mu\text{g}/\text{m}^2/\text{yr}$
- 320 $\mu\text{g}/\text{m}^2/\text{yr}$
- 640 $\mu\text{g}/\text{m}^2/\text{yr}$

Notes:

HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

$\mu\text{g} / \text{m}^2 / \text{yr}$ - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1 0.5 0 1 Miles



Measurement of Cape Fear River Length at Down-River Section 1

Chemours Fayetteville Works, North Carolina

Geosyntec
consultants

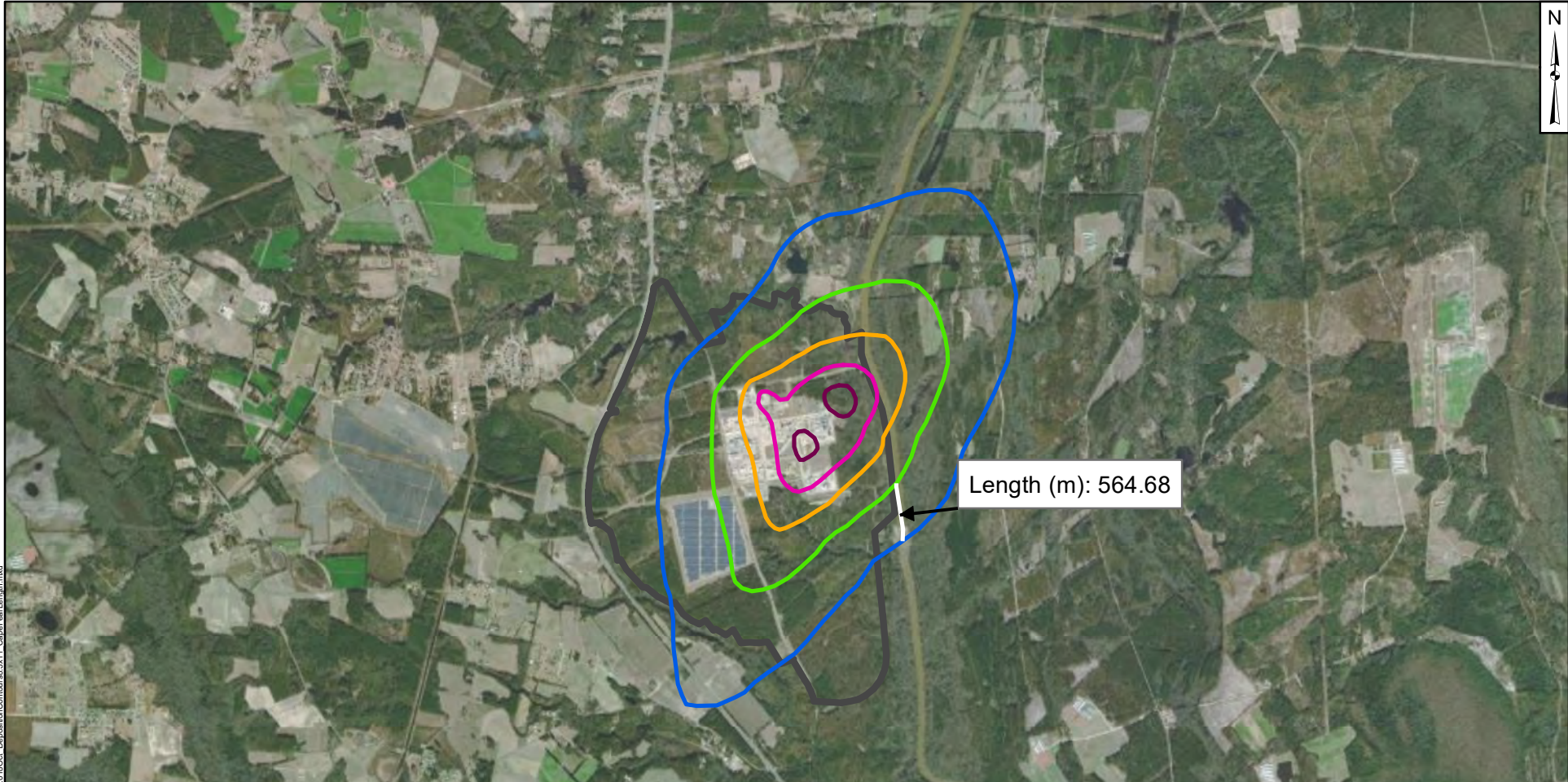
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Figure

F5

Raleigh, NC

June 2021



Legend

— Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 $\mu\text{g}/\text{m}^2/\text{yr}$
- 80 $\mu\text{g}/\text{m}^2/\text{yr}$
- 160 $\mu\text{g}/\text{m}^2/\text{yr}$
- 320 $\mu\text{g}/\text{m}^2/\text{yr}$
- 640 $\mu\text{g}/\text{m}^2/\text{yr}$

Notes:

HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

$\mu\text{g} / \text{m}^2 / \text{yr}$ - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1 0.5 0 1 Miles



Measurement of Cape Fear River Length at Down-River Section 2

Chemours Fayetteville Works, North Carolina

Geosyntec
consultants

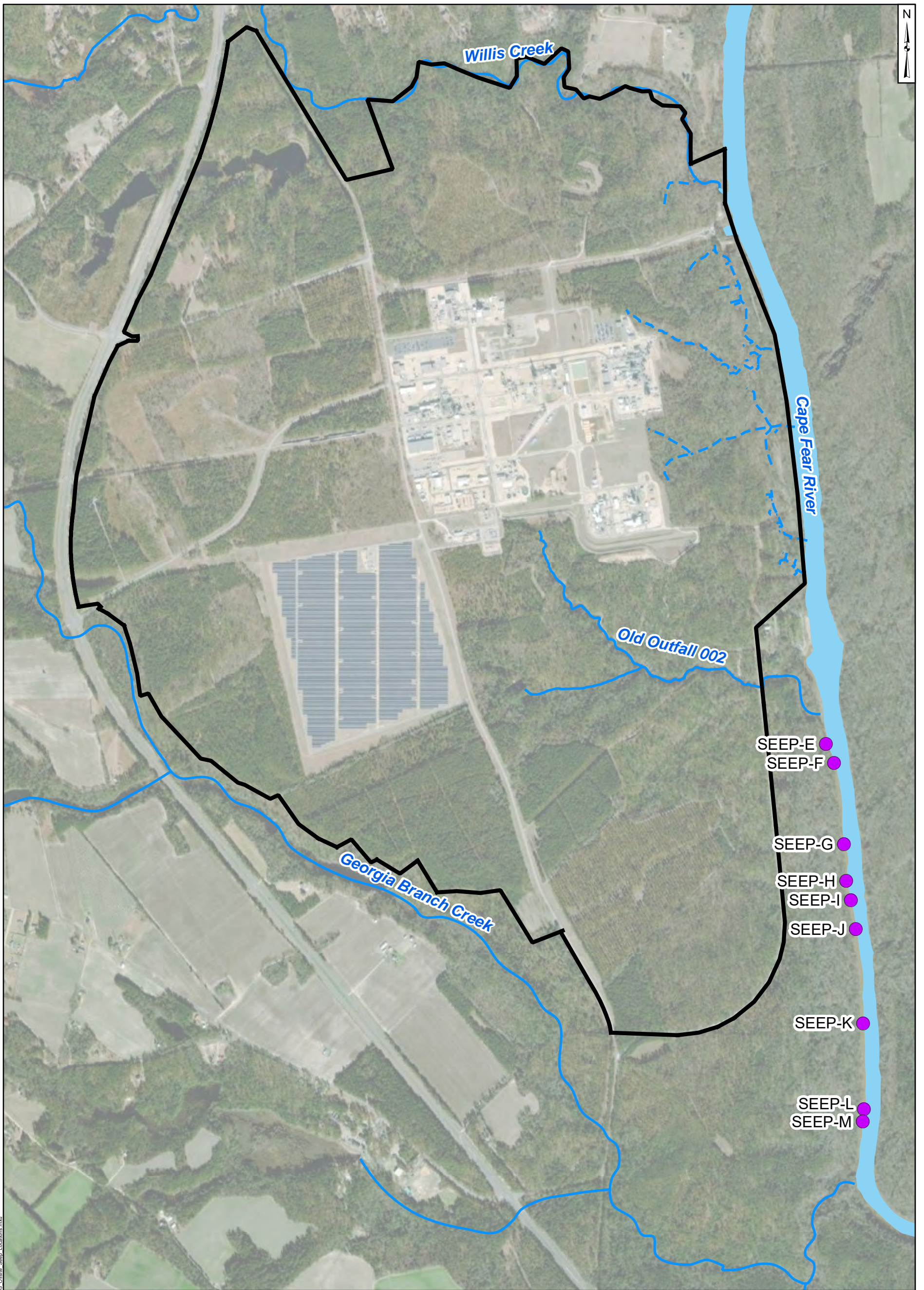
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Figure

F6

Raleigh, NC

June 2021

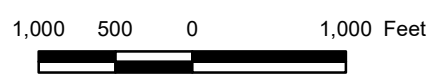


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- Legend**
- Observed Seep
 - Nearby Tributary
 - Site Boundary

Notes:

1. Seep E to M samples were collected where the seeps entered the Cape Fear River. Their locations on this figure have been slightly adjusted to facilitate interpretation so that they do not appear to be in the Cape Fear River.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Southwestern Offsite Seeps Locations
Chemours Fayetteville Works, North Carolina

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Figure
F7

Raleigh

June 2021