Appendix A
Sampling Results

APPENDIX A

SAMPLING RESULTS

This appendix presents results from the Q1 2022 sampling events described in Section 2 of the main report. Specifically, this section describes the analytical results associated with the Cape Fear River PFAS Mass Load and the Cape Fear River PFAS Mass Loading Model sampling programs, including the data quality review process.

Surface water and groundwater samples collected during the first month of Q1 2022 (i.e., January 2022) were analyzed for PFAS by Table 3+ Laboratory SOP, and for 13 additional perfluoroalkyl carboxylic acid (PFCAs) in some cases as discussed in the Paragraph 18 response memo (Geosyntec, 2021a).

The focus of this appendix is on the set of PFAS originating from manufacturing activities at the Site; therefore, analytical results are discussed with respect to the PFAS groupings presented in Table 1 of the main report: (i) Attachment C, (ii) Table 3+ (17 compounds), and (iii) Table 3+ (20 compounds).

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 secondary review of the data was conducted. The DVM and secondary 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 spike
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs

The secondary review of the data included instrument-related quality control results for calibration standards, blanks, and recoveries. It also included visual inspection of sample chromatograms for appropriate integration and verification that detections in field or equipment blanks have been

applied to all applicable samples. The data review process 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
- 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 events. 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)". For clarity, the text, tables, and figures of this report describe the Total Table 3+ (17 compounds), though the report tables also include results for Total Table 3+ (20 compounds).

Cape Fear River PFAS Mass Load Sampling Results

For this Q1 2022 report, the Cape Fear River Mass Load reporting period was from January 1 through March 31, 2022. During this period, 23 primary composite samples and three (3) grab samples were collected at location CFR-TARHEEL for the Tarheel Sampling event, with the last sample being collected March 31, 2022.

Cape Fear River Mass Load QA/QC Samples

Three duplicate samples (CFR-TARHEEL-24-011922-D, CFR-TARHEEL-24-020722-D and CFR-TARHEEL-24-031022-D) were collected during Q1 2022 on January 19, February 7 and March 10, 2022. Equipment blanks are only performed at CFR-TARHEEL when maintenance activities (e.g., line changes) are performed on the composite sampler system. One equipment blank sample (CFR-TARHEEL-EB-031822) was collected during Q1 2022 on March 18, 2022. There were no other QA/QC samples collected for this reporting period. PFAS results for the primary (CFR-TARHEEL-24-011922, CFR-TARHEEL-24-020722, and CFR-TARHEEL-24-031022) and duplicate samples (CFR-TARHEEL-24-011922-D, CFR-TARHEEL-24-020722-D,

and CFR-TARHEEL-24-031022-D) had relative percent differences less than 30% for the reported compounds. The equipment blank (CFR-TARHEEL-EB-031822) had no detections of the reported compounds above the reporting limits.

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 2022, Total Table 3+ concentrations ranged from non-detectable above the associated reporting limits (CFR-TARHEEL-24-022822 and CFR-TARHEEL-031822) to 99 ng/L (CFR-TARHEEL-24-010322). This range in concentrations is within the observed range in previous quarterly sampling events.

The concentrations over time for these samples are described in Section 3 of the main report and that reports associated Figures 7 and 8 and Tables 4 and 5A.

PFAS Mass Loading Model Sampling Seep and Surface Water Results

For this Q1 2022 report, sampling of seep, surface water, and Cape Fear River locations occurred in January 4-31, 2022. During this event, sixteen (16) samples, one (1) duplicate sample, two (2) equipment blanks, and one (1) field blank were collected.

High river stages were not recorded during the sampling period (<10 feet throughout). Additionally, USGS rain gauge 02105500 indicated approximately 1.9 inches of precipitation in the January 2022 sample collection event (January 7-27).

Seep and Surface Water QA/QC Samples

Table 3+ PFAS concentrations for surface water QA/QC samples are reported in Table A2-1. Two (2) equipment blanks and one (1) field blank were collected and no compound was detected above the reporting limit. One field duplicate was collected at the WC-1 location on January 27, 2022. PFAS results for the primary (CAP1Q22-WC-1-24-012722) and duplicate sample (CAP1Q22-WC-1-24-012722-D) had relative percent differences less than 30% for the reported compounds.

In January 2022, 24-hour composite samples could not be collected at the influent and effluent of the FTC's at Seeps A and C due to issues described in the "Interim Seep Remediation Operation and Maintenance Report #7" (Geosyntec, 2022a). Therefore, the effluent and influent samples collected for the January 2022 Seep Flow Through cell performance monitoring program were used for Seeps A and C mass loading calculations.

Seeps and Surface Flow Gauging

A summary of flow rates measured for the seep and surface water events are presented in Table A3. Surface water flow gauging locations for the Q1 2022 events are shown on Figure 4 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 2022 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 A2-1 (Table 3+) and A2-2 (PFCAs). Figures A1 and A2 show the Total Table 3+ concentrations reported for samples collected in Q1 2022 and Figure A3 presents the HFPO-DA concentrations for Cape Fear River samples. Laboratory and DVM reports are included in Appendix D.

In general, Total Table 3+ concentrations were lowest at Intake at the Facility, Outfall 002, in the near-site/downstream river samples, and the effluents to the Seep D FTC, while the highest concentrations were observed at the Lock and Dam Seep (Figures A1-1 through A1-3, A2, and Table A2). Among the river samples (Figure A2), Total Table 3+ concentrations ranged from non-detectable above the associated reporting limits (at CFR-MILE-76 in January 2022) to 24 ng/L (downstream sample at CFR-Kings in January 2022). Among the creeks, the Total Table 3+ concentrations were similar at Georgia Branch Creek (1,400 ng/L) and at Willis Creek (1,500 ng/L) for the samples collected in Q1 2022. Among the seeps and Old Outfall 002, Seep-D effluents generally had the lowest Total Table 3+ concentrations (3.6 ng/L in Q1 2022), while Lock-Dam Seep had the highest Total Table 3+ concentrations (130,000 ng/L in Q1 2022).

Figure A3 shows the HFPO-DA concentrations in the four near-site/downstream river sampling locations. HFPO-DA concentrations were well below 140 ng/L ranging from <2 ng/L (near-site at CFR-MILE-76 in January 2022) to 4.4 ng/L (downstream sample at CFR-TARHEEL on January 26, 2022).

PFAS Mass Loading Model Sampling Groundwater Results

One synoptic water level survey of the onsite groundwater monitoring well network was completed in Q1 2022 (January 6, 2022). Field parameters and groundwater samples were collected from 18 of the 20 CO Paragraph 16 monitoring wells in January 2022 (Tables A5-1 and A5-2; Figure A5). 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. Bladen-1D was damaged and could not be sampled in Q1 2022, and PW-11 was being pumped as part of the interim groundwater remediation activities and could not be sampled in Q1 2022.

Groundwater QA/QC Samples

Table 3+ PFAS concentrations for groundwater QA/QC samples are reported in Table A5-1. The following observations were noted for the QA/QC samples:

- Three equipment blank samples were collected during the sampling event. No PFAS were detected above the associated reporting limits in any of the equipment blank

samples. The field blanks were analyzed for Table 3+ PFAS only and were not analyzed for PFCAs.

- One field duplicate sample was collected at PIW-1D (January 2022). PFAS results for the primary (CAP1Q22-PIW-1D-012422) and duplicate sample (CAP1Q22-PIW-1D-012422-D) had relative percent differences less than 30% for the reported compounds.

Water Levels

Groundwater elevations were calculated for onsite and offsite wells screened in the Perched Zone, Surficial Aquifer and Black Creek Aquifer from the synoptic water level measurement survey performed in January 2022 (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, A4-2 and A4-3 respectively).

Similar to Perched Zone groundwater elevations discussed in previous assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b), 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). 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) 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, 2021b; Geosyntec, 2021c; Geosyntec, 2021d; Geosyntec, 2021e; Geosyntec, 2022b). 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) similar to groundwater elevations discussed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021b; Geosyntec, 2021c; Geosyntec, 2021d; Geosyntec, 2021e; Geosyntec 2022b). 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 Q4 2021 events 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 Q1 2022 are summarized in Tables A5-1 (Table 3+), Table A5-2 (PFCAs), and Figure A5. Laboratory and DVM reports are included in Appendix D. Total Table 3+ concentrations ranged from 52 ng/L (PW-09 January 2022 field filtered sample) to 180,000 ng/L (PIW-7D and PZ-22, January 2022 samples). In general, the next highest concentrations were observed in the LTW, PZ, and PIW wells near the mouths of the seeps adjacent to the river (Figure A5).

In general, the largest proportion of Total Table 3+ concentrations are comprised of HFPO-DA, PFMOAA, PFO2HxA and PMPA (Table A5-1). 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 A5) were similar to the Lock-Dam Seep concentrations (Figure A1). Overall, results from the Q1 2022 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021b; Geosyntec, 2021c; Geosyntec, 2021d; Geosyntec, 2021e; Geosyntec, 2022b).

The results from the Q1 2022 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.

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, 2021a. Responses to NCDEQ Comments on Consent Order Paragraph 18 On and Offsite Assessment Report. June 11, 2021.

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

Geosyntec, 2021c. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2021 Report, Chemours Fayetteville Works. June 30, 2021.

Geosyntec 2021d. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2021 Report, Chemours Fayetteville Works. September 30, 2021.

Geosyntec 2021e. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2021 Report, Chemours Fayetteville Works. December 23, 2021.

Geosyntec, 2022a. Interim Seep Remediation and Operation and Maintenance Report #7, Chemours Fayetteville Works. March 31, 2022.

Geosyntec 2022b. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2021 Report, Chemours Fayetteville Works. March 31, 2022.

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

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	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	CAP1Q20-CFR-TARHEEL-24-040320
Sample Date	3/31/2020	3/31/2020	4/2/2020	4/2/2020	4/3/2020
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	3/28/20 1:00 AM	3/28/20 1:00 AM	-	3/31/20 1:00 PM	4/2/20 3:00 PM
Sample Stop Date and Time	3/31/20 12:00 PM	3/31/20 12:00 PM	-	4/2/20 1:00 PM	4/3/20 3:00 PM
Composite Duration (hours)	83	83	-	48	24
QA/QC		Field Duplicate			
Sample Delivery Group (SDG)	320-60098-1	320-60098-1	320-60029-1	320-60098-1	320-60032-1
Lab Sample ID	320-60098-1	320-60098-2	320-60029-3	320-60098-3	320-60032-2
Table 3+ SOP (ng/L)					
HFPO-DA	<15	**6.3**	**11**	**10**	**18**
PFMOAA	**26**	**29**	**35**	**42**	**47**
PFO2HxA	**9.3**	**8.9**	**15**	**14**	**21**
PFO3OA	**2.1**	<2	**3.9**	**3.3**	**4.8**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**15**	**12**	**24**	**17**	**31**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	**8.5**	**7.9**	**14 J**
Hydrolyzed PSDA	**8.2 J**	**8.4 J**	**26**	**14 J**	**17 B**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**2.3**	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.1 J**	<2	**6.6**	<2	**2.8 J**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**16 J**	**13 J**	**12**	**12**	**11**
Total Attachment C[1,2]	**52**	**56**	**89**	**86**	**120**
Total Table 3+ (17 compounds)[2,3]	**52**	**56**	**91**	**86**	**120**
Total Table 3+ (20 compounds)[2]	**63**	**65**	**130**	**110**	**160**

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

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-040620	CFR-TARHEEL-79-040920	CFR-TARHEEL-83-041920	CFR-TARHEEL-83-042220	CFR-TARHEEL-83-042620
Sample Date	4/6/2020	4/9/2020	4/19/2020	4/22/2020	4/26/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/2/20 1:30 PM	4/5/20 11:32 PM	4/15/20 2:30 PM	4/19/20 2:30 AM	4/22/20 1:49 PM
Sample Stop Date and Time	4/6/20 12:30 AM	4/9/20 6:30 AM	4/19/20 1:30 AM	4/22/20 1:30 PM	4/26/20 12:49 AM
Composite Duration (hours)	83	79	83	83	83
QA/QC					
Sample Delivery Group (SDG)	320-60098-1	320-60195-1	320-60435-1	320-60435-1	320-60619-1
Lab Sample ID	320-60098-4	320-60195-1	320-60435-1	320-60435-2	320-60619-1
Table 3+ SOP (ng/L)					
HFPO-DA	**17**	**20**	**5.5**	**12**	**11**
PFMOAA	**56**	**94**	**28**	**51**	**53**
PFO2HxA	**22**	**33**	**11**	**19**	**19**
PFO3OA	**5.5**	**8.1**	**2.6**	**5.1**	**4.8**
PFO4DA	<2	**2.8**	<2	<2	<2
PFO5DA	<2	**4.9**	**6.9**	**5.5**	<2
PMPA	**24**	**31**	**17**	**25**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**11**	**13**	<2	<2	**7.5**
Hydrolyzed PSDA	**20 J**	**31**	**9.6**	**17**	**23**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.1**	**5**	<2	<2	**2.8**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	**3.4**	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**8.5**	--	--	--	--
Total Attachment C[1,2]	**120**	**190**	**71**	**120**	**110**
Total Table 3+ (17 compounds)[2,3]	**130**	**200**	**71**	**120**	**110**
Total Table 3+ (20 compounds)[2]	**160**	**250**	**81**	**130**	**140**

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

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-042920	CFR-TARHEEL-62-050220	CFR-TARHEEL-83-050620	CFR-TARHEEL-83-051120	CFR-TARHEEL-83-051320
Sample Date	4/29/2020	5/2/2020	5/6/2020	5/11/2020	5/13/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/26/20 12:49 AM	4/30/20 9:49 AM	5/3/20 12:49 AM	5/6/20 12:49 PM	5/9/20 11:49 PM
Sample Stop Date and Time	4/29/20 11:49 AM	5/2/20 11:49 PM	5/6/20 11:49 AM	5/9/20 11:49 PM	5/13/20 9:49 AM
Composite Duration (hours)	83	62	83	83	83
QA/QC					
Sample Delivery Group (SDG)	320-60619-1	320-60763-1	320-60763-1	320-60789-1	410-2522-1
Lab Sample ID	320-60619-2	320-60763-1	320-60763-2	320-60789-1	410-2522-1
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**12**	**6.2**	**9.4**	**13 J**
PFMOAA	**59**	**27**	**18**	**34**	**69**
PFO2HxA	**24**	**16**	**9.8**	**14**	**27**
PFO3OA	**5.8**	**3.5**	**2.1**	**3.8**	**6.7**
PFO4DA	<2	<2	<2	<2	**2 J**
PFO5DA	<2	<2	<2	<2	<2
PMPA	**23**	**24**	**15**	**18**	**22**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2 UJ
Hydro-PS Acid	<2	<2	<2	<2	<2 UJ
R-PSDA	**13**	**20**	**11**	**13**	**12 J**
Hydrolyzed PSDA	**27**	**18**	**12**	**15**	**34 J**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3.9**	**3.3**	<2	**2.3**	**2.9**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.4**	**6**	<2	**2.7**	**5.2 J**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**120**	**83**	**51**	**79**	**140**
Total Table 3+ (17 compounds)[2,3]	**130**	**86**	**51**	**82**	**140**
Total Table 3+ (20 compounds)[2]	**170**	**130**	**74**	**110**	**190**

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

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP2Q20-CFR-TARHEEL-051420	CAP2Q20-TARHEEL-24-051420	CFR-TARHEEL-83-051620	CFR-TARHEEL-83-052020	CFR-TARHEEL-052520
Sample Date	5/14/2020	5/14/2020	5/16/2020	5/20/2020	5/25/2020
Sample Type	Grab	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)	320-60921-1	410-2521-1	410-2522-1	410-2522-1	320-61296-1
Lab Sample ID	320-60921-3	410-2521-4	410-2522-2	410-2522-3	320-61296-2
Table 3+ SOP (ng/L)					
HFPO-DA	**24**	**23**	**19 J**	**25**	**2**
PFMOAA	**75**	**88**	**94**	**120**	<5
PFO2HxA	**34**	**33**	**37**	**45**	**2.2**
PFO3OA	**8.9**	**8.6**	**8.2**	**10**	<2
PFO4DA	**2.4**	**2.5 J**	**2.5 J**	**3**	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**49**	**28**	**27**	**32**	<10
PEPA	<20	<20	<20	**20**	<20
PS Acid	<2	<2 UJ	<2 UJ	**2.2 J**	<2
Hydro-PS Acid	<2	<2 UJ	<2 UJ	<2 UJ	<2
R-PSDA	**33**	**16 J**	**15 J**	**15 J**	<2
Hydrolyzed PSDA	**30**	**46 J**	**47 J**	**54 J**	**3.4**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**4.6**	**4.8**	**4.4**	**3.8**	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**5.6**	**4.9 J**	**6.3 J**	**8.1 J**	**2**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**9.8**	**6.7**	--	--	--
Total Attachment C[1,2]	**190**	**180**	**190**	**260**	**4.2**
Total Table 3+ (17 compounds)[2,3]	**200**	**190**	**190**	**260**	**4.2**
Total Table 3+ (20 compounds)[2]	**270**	**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	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-052920	CFR-TARHEEL-060120	CFR-TARHEEL-060120-D	CFR-TARHEEL-060520	CFR-TARHEEL-39-060820
Sample Date	5/29/2020	6/1/2020	6/1/2020	6/5/2020	6/8/2020
Sample Type	Grab	Grab	Grab	Grab	Composite
Sample Start Date and Time	-	-	-	-	6/5/20 11:06 AM
Sample Stop Date and Time	-	-	-	-	6/8/20 9:06 PM
Composite Duration (hours)	-	-	-	-	39
QA/QC			Field Duplicate		
Sample Delivery Group (SDG)	320-61296-1	320-61452-1	320-61452-1	320-61570-1	320-61852-1
Lab Sample ID	320-61296-1	320-61452-1	320-61452-2	320-61570-1	320-61852-1
Table 3+ SOP (ng/L)					
HFPO-DA	**4.5**	<2	**2**	**4.6**	**6.5**
PFMOAA	<5	**6.1**	**5.3**	**9**	**9.8**
PFO2HxA	**6.5**	**3.1**	**3.2**	**6.5**	**8.3**
PFO3OA	<2	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	<10	<13	<13	**27**	**17**
PEPA	<20	<2	<2	<2	<2
PS Acid	<2	<2	<2	<2	**3.4**
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	**2.6**	<2	<2	**5.9**
Hydrolyzed PSDA	<2	**2.9**	**2.6**	**5.5**	**7.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**11**	**9.2**	**11**	**47**	**45**
Total Table 3+ (17 compounds)[2,3]	**11**	**9.2**	**11**	**47**	**45**
Total Table 3+ (20 compounds)[2]	**11**	**15**	**13**	**53**	**58**

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

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-061220	CFR-TARHEEL-83-061520	CFR-TARHEEL-83-061920	CFR-TARHEEL-83-062220	CFR-TARHEEL-83-062620
Sample Date	6/12/2020	6/15/2020	6/19/2020	6/22/2020	6/26/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/8/20 10:06 PM	6/12/20 9:06 AM	6/15/20 8:06 PM	6/19/20 7:06 AM	6/22/20 6:06 PM
Sample Stop Date and Time	6/12/20 8:06 AM	6/15/20 7:06 PM	6/19/20 6:06 AM	6/22/20 5:06 PM	6/26/20 4:06 AM
Composite Duration (hours)	83	83	83	83	83
QA/QC					
Sample Delivery Group (SDG)	320-61852-1	320-62010-1	320-62010-1	320-62127-1	320-62407-1
Lab Sample ID	320-61852-2	320-62010-1	320-62010-2	320-62127-1	320-62407-1
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**15**	**16**	**5.8**	**9.9**
PFMOAA	**17 J**	**14**	**11**	**4.9**	**30**
PFO2HxA	**13**	**13**	**18**	**8**	**13**
PFO3OA	**3.4**	**3**	**3.8**	<2	**2.8**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**25**	**27**	**36**	**21**	**20**
PEPA	**3.2**	**3.2**	**5.4**	<2	**3.2**
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**8.5 J**	**4.7**	**5.1**	**5.6**	**11**
Hydrolyzed PSDA	**9.1 J**	**8**	**7.2**	**4.1**	**12**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**3.8 J**	<2	<2	<2	**3.5**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**72**	**75**	**90**	**40**	**79**
Total Table 3+ (17 compounds)[2,3]	**72**	**75**	**90**	**40**	**79**
Total Table 3+ (20 compounds)[2]	**93**	**88**	**100**	**49**	**110**

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

Sampling Event	Q2 2020	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-062920	CFR-TARHEEL-65-070220	CFR-TARHEEL-24-070320	CFR-TARHEEL-24-070720	CFR-TARHEEL-24-071020
Sample Date	6/29/2020	7/2/2020	7/3/2020	7/7/2020	7/10/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/26/20 5:06 AM	6/29/20 4:06 PM	7/2/20 8:29 AM	7/6/20 8:29 AM	7/9/20 12:01 PM
Sample Stop Date and Time	6/29/20 3:06 PM	7/2/20 8:06 AM	7/3/20 7:29 AM	7/7/20 7:29 AM	7/10/20 11:01 AM
Composite Duration (hours)	83	65	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-62407-1	320-62407-1	320-62486-1	320-62486-1	320-62645-1
Lab Sample ID	320-62407-2	320-62407-3	320-62486-2	320-62486-1	320-62645-1
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**19**	**19**	**19**	**15**
PFMOAA	**49**	<2	**60**	**97**	**77**
PFO2HxA	**18**	**25**	**26**	**31**	**25**
PFO3OA	**4**	**5.5**	**5.6**	**6.7**	**5.2**
PFO4DA	<2	**2.5 J**	**2**	**3**	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**26**	**27**	**39**	**30**	**26**
PEPA	**4.5**	**5.2**	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**15**	**4.2**	**22**	**23**	**12**
Hydrolyzed PSDA	**17**	**12**	**28**	**34**	**32**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.5**	**3.1**	**3.3**	**4.5**	**3.4**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**4.9**	<2	**6.1**	**5.9**	**4.3**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**120**	**84**	**150**	**190**	**150**
Total Table 3+ (17 compounds)[2,3]	**120**	**87**	**150**	**190**	**150**
Total Table 3+ (20 compounds)[2]	**160**	**100**	**210**	**250**	**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	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-071020-D	CFR-TARHEEL-24-071320	CFR-TARHEEL-24-071620	CFR-TARHEEL-24-072020	CFR-TARHEEL-24-072320
Sample Date	7/10/2020	7/13/2020	7/16/2020	7/20/2020	7/23/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/9/20 12:01 PM	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	7/10/20 11:01 AM	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	24
QA/QC	Field Duplicate				
Sample Delivery Group (SDG)	320-62645-1	320-62689-1	320-62879-1	320-63057-1	320-63287-1
Lab Sample ID	320-62645-2	320-62689-1	320-62879-1	320-63057-1	320-63287-1
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**16**	**20**	**26**	**20**
PFMOAA	**78**	**60**	**76**	**100**	**67**
PFO2HxA	**28**	**28**	**31**	**29**	**29**
PFO3OA	**5.9**	**6.9**	**6.5**	**9.4**	**6.6**
PFO4DA	<2	**2.8**	**2.4**	**4.8**	**2.6**
PFO5DA	<2	<2	<2	**2.7**	**2**
PMPA	**27**	**27**	**29**	<20	**24**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	**2.3**	<2	**2.7**	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**12**	**22**	**13**	<2	**17**
Hydrolyzed PSDA	**34**	**32**	**24**	<2	**29**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3**	**3.3**	**3.5**	**3.4**	**4.4**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**5.8**	**6**	**3.9**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**150**	**140**	**160**	**170**	**150**
Total Table 3+ (17 compounds)[2,3]	**160**	**150**	**170**	**180**	**160**
Total Table 3+ (20 compounds)[2]	**210**	**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	Q3 2020
Location ID	CFR-TARHEEL	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	CFR-TARHEEL-080320
Sample Date	7/27/2020	7/28/2020	7/29/2020	7/30/2020	8/3/2020
Sample Type	Composite	Grab	Composite	Composite	Grab
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	320-63442-1
Lab Sample ID	320-63287-2	320-63225-1	320-63304-1	320-63442-1	320-63442-2
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**14 J**	**14**	**11**	**15**
PFMOAA	**41**	**39**	**54**	**41**	**48**
PFO2HxA	**19**	**19**	**21**	**18**	**23**
PFO3OA	**3.9**	**4.4**	**5.2**	**5**	**5.4**
PFO4DA	<2	<2	<2	**2.7**	**2.3**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	<20	<20	**21**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**12**	<2	<2	<2	<2
Hydrolyzed PSDA	**14**	<2	**20**	**18**	**21**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3.5**	**2.9**	**2.8**	**3.4**	**2.7**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	**3.7**	**3.1**	**3.2**	**4.8**
Total Attachment C[1,2]	**78**	**76**	**94**	**78**	**110**
Total Table 3+ (17 compounds)[2,3]	**81**	**79**	**97**	**81**	**120**
Total Table 3+ (20 compounds)[2]	**110**	**79**	**120**	**99**	**140**

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

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-080420	CFR-TARHEEL-24-080620	CFR-TARHEEL-24-081020	CFR-TARHEEL-24-081220	CFR-TARHEEL-24-081720
Sample Date	8/4/2020	8/6/2020	8/10/2020	8/12/2020	8/17/2020
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	8/5/20 11:55 PM	8/9/20 10:38 PM	8/12/20 12:01 AM	8/17/20 12:01 AM
Sample Stop Date and Time	-	8/6/20 10:55 PM	8/10/20 9:56 PM	8/12/20 11:01 PM	8/17/20 11:01 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-63442-1	320-63737-1	320-63737-1	320-63779-1	320-64174-1
Lab Sample ID	320-63442-3	320-63737-1	320-63737-2	320-63779-1	320-64174-5
Table 3+ SOP (ng/L)					
HFPO-DA	**44**	**4.8**	**7.8**	**5.8**	**3.4**
PFMOAA	**47**	**8.1**	<2	**27**	**15**
PFO2HxA	**37**	**8.1**	**20**	**11**	**6.2**
PFO3OA	**10**	<2	**6**	**2.1**	<2
PFO4DA	**4.3**	<2	**2.2**	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**45**	<20	<20	<20	<20
PEPA	**12**	<10	<10	<10	<10
PS Acid	**4.6**	<2	<2	<2	<2
Hydro-PS Acid	**2.9**	<2	<2	<2	<2
R-PSDA	<2	<2	<2	**7.4**	**3.8**
Hydrolyzed PSDA	**32**	**2.5**	<2	**15**	**6.4**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.4**	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**3.9**	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.9**	**2.6**	**4.6**	**3.8**	**2.5**
Total Attachment C[1,2]	**210**	**21**	**36**	**46**	**25**
Total Table 3+ (17 compounds)[2,3]	**210**	**21**	**36**	**46**	**25**
Total Table 3+ (20 compounds)[2]	**240**	**24**	**36**	**72**	**35**

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

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-082020	CFR-TARHEEL-24-082520	CFR-TARHEEL-082720	CFR-TARHEEL-082720-D	CFR-TARHEEL-083120
Sample Date	8/20/2020	8/25/2020	8/27/2020	8/27/2020	8/31/2020
Sample Type	Composite	Composite	Grab	Grab	Grab
Sample Start Date and Time	8/20/20 12:01 AM	8/25/20 12:01 AM	-	-	-
Sample Stop Date and Time	8/20/20 11:01 PM	8/25/20 11:01 PM	-	-	-
Composite Duration (hours)	24	24	-	-	-
QA/QC				Field Duplicate	
Sample Delivery Group (SDG)	320-64174-1	320-64174-1	320-64174-1	320-64174-1	320-64174-1
Lab Sample ID	320-64174-6	320-64174-1	320-64174-2	320-64174-3	320-64174-4
Table 3+ SOP (ng/L)					
HFPO-DA	**6.2**	**7.1**	**12**	**12**	**18**
PFMOAA	**26**	**33**	**63**	**64**	**100**
PFO2HxA	**12**	**15**	**24**	**24**	**35**
PFO3OA	**2.3**	**3**	**5.3**	**5.6**	**7.8**
PFO4DA	<2	<2	**2**	<2	**2.8**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	**23**	**23**	**31**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	**2.7**
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**6.1**	<2	<2 UJ	**8 J**	**11**
Hydrolyzed PSDA	**11**	<2	**22**	**23**	**38**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	**2.7**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**2.9**	**4.7**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**2.8**	**3.5**	**3.7**	**4**	**5.6**
Total Attachment C[1,2]	**47**	**58**	**130**	**130**	**200**
Total Table 3+ (17 compounds)[2,3]	**47**	**58**	**130**	**130**	**200**
Total Table 3+ (20 compounds)[2]	**64**	**58**	**150**	**160**	**250**

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

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-090320	CFR-TARHEEL-24-090720	CFR-TARHEEL-24-091020	CFR-TARHEEL-24-091420	CFR-TARHEEL-24-091720
Sample Date	9/3/2020	9/7/2020	9/10/2020	9/14/2020	9/17/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/3/20 12:01 AM	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	9/3/20 11:01 PM	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	24
QA/QC					
Sample Delivery Group (SDG)	320-64517-1	320-64517-1	320-64776-1	320-64776-1	320-64846-1
Lab Sample ID	320-64517-1	320-64517-2	320-64776-1	320-64776-2	320-64846-1
Table 3+ SOP (ng/L)					
HFPO-DA	**7.8**	**12**	**26**	**18**	**25**
PFMOAA	**21**	**26**	**55**	**36**	<2
PFO2HxA	**12**	**17**	**31**	**25**	**32**
PFO3OA	**3.4**	**4.2**	**7.3**	**5.3**	**7.2**
PFO4DA	<2	<2	**2.1**	<2	**2.7**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	**30**	<20	**33**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	**3.7**	<2	**2**
Hydro-PS Acid	<2	<2	<2	<2	**2.8**
R-PSDA	**3.4**	<2	**14**	**4.2**	**9.7**
Hydrolyzed PSDA	**8.6**	**15**	**41**	**24**	**29**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**3**	**4**	**5.8**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	**6.3**	<2	**3.2**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**2.5**	**2.3**	**5.5**	**4.8**	**5**
Total Attachment C[1,2]	**44**	**59**	**160**	**84**	**100**
Total Table 3+ (17 compounds)[2,3]	**44**	**59**	**160**	**88**	**110**
Total Table 3+ (20 compounds)[2]	**56**	**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	Q3 2020
Location ID	CFR-TARHEEL	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	CFR-TARHEEL-24-092520
Sample Date	9/18/2020	9/21/2020	9/24/2020	9/24/2020	9/25/2020
Sample Type	Composite	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	9/25/20 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	9/25/20 11:01 PM
Composite Duration (hours)	11	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-64920-1	320-65132-1	320-65132-1	320-65132-1	320-65132-1
Lab Sample ID	320-64920-1	320-65132-1	320-65132-2	320-65132-2	320-65132-3
Table 3+ SOP (ng/L)					
HFPO-DA	**42**	**7.3**	**11**	**11**	**11**
PFMOAA	<2	**7.9**	**14**	**14**	**12**
PFO2HxA	**39**	**8.7**	**9.8**	**9.8**	**12**
PFO3OA	**9**	<2	**2.9**	**2.9**	**2.9**
PFO4DA	**4.2**	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**46**	**34**	**31**	**31**	**32**
PEPA	**11**	<10	<10	<10	<10
PS Acid	**8.3**	<2	<2	<2	<2
Hydro-PS Acid	**4.3**	<2	<2	<2	<2
R-PSDA	**52**	<2	<2	<2	<2
Hydrolyzed PSDA	**47**	**9.4**	**11**	**11**	**14**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**5.7**	<2	<2	<2	<2
EVE Acid	**2.4**	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**7.5**	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.3**	**4.1 J**	**5.6 J**	**5.6 J**	**5.7 J**
Total Attachment C[1,2]	**160**	**58**	**69**	**69**	**70**
Total Table 3+ (17 compounds)[2,3]	**170**	**58**	**69**	**69**	**70**
Total Table 3+ (20 compounds)[2]	**280**	**67**	**80**	**80**	**84**

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

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-092620	CFR-TARHEEL-24-092820	CFR-TARHEEL-24-092920	CFR-TARHEEL-24-093020	CFR-TARHEEL-18-100120
Sample Date	9/26/2020	9/28/2020	9/29/2020	9/30/2020	10/1/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/26/20 12:01 AM	9/28/20 12:01 AM	9/29/20 12:01 AM	9/30/20 12:01 AM	10/1/2020 0:01
Sample Stop Date and Time	9/26/20 11:01 PM	9/28/20 11:01 PM	9/29/20 11:01 PM	9/30/20 11:01 PM	10/1/2020 17:01
Composite Duration (hours)	24	24	24	24	18
QA/QC					
Sample Delivery Group (SDG)	320-65132-1	320-65188-1	320-65521-1	320-65283-1	320-65521-1
Lab Sample ID	320-65132-4	320-65188-1	320-65521-1	320-65283-1	320-65521-2
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**6.1**	**5.3**	**11**	**5.3**
PFMOAA	**8.8**	**6.3**	**4.1**	**23**	**2.9**
PFO2HxA	**13**	**6.2**	**6.8**	**12**	**6.6**
PFO3OA	**2.6**	<2	<2	**2.5**	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**34**	**32**	<20	**25**	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	<2	**7.4**	<2
Hydrolyzed PSDA	**13**	**7.1**	**5.4**	**12**	<2
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**2.9**	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.1 J**	**3.4 J**	**3.9**	**4.9**	**5.5**
Total Attachment C[1,2]	**70**	**51**	**16**	**74**	**15**
Total Table 3+ (17 compounds)[2,3]	**70**	**51**	**16**	**74**	**15**
Total Table 3+ (20 compounds)[2]	**83**	**58**	**22**	**96**	**15**

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	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-9-100620	CFR-TARHEEL-24-100820	CFR-TARHEEL-24-101220	CFR-TARHEEL-24-101520	CFR-TARHEEL-24-101920
Sample Date	10/6/2020	10/8/2020	10/12/2020	10/15/2020	10/19/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/6/20 14:30	10/7/2020 17:30	10/12/2020 0:01	10/15/2020 0:01	10/19/2020 0:01
Sample Stop Date and Time	10/6/20 23:30	10/8/2020 16:30	10/12/2020 23:01	10/15/2020 23:01	10/19/2020 23:01
Composite Duration (hours)	9	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-65521-1	320-65521-1	320-65571-1	320-65803-1	320-65803-1
Lab Sample ID	320-65521-3	320-65521-4	320-65571-1	320-65803-1	320-65803-2
Table 3+ SOP (ng/L)					
HFPO-DA	**8.1**	**13**	**23**	**4.5**	**6.0**
PFMOAA	**3.9**	**7.4**	**54**	**15**	**18**
PFO2HxA	**9.9**	**15**	**30**	**6.9**	**7.6**
PFO3OA	**2.1**	**3.6**	**13**	<2	<2
PFO4DA	<2	<2	**7.9**	<2	<2
PFO5DA	<2	<2	**3.5**	<2	<2
PMPA	<20	<20	**33**	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	**2.2**	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	**20**	**3.4**	**4.1**
Hydrolyzed PSDA	**5.1**	**7.6**	**21**	**5**	**6.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**3.1**	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	**4.7**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.4**	**5.5**	**4**	**3.8**	**5.5**
Total Attachment C[1,2]	**24**	**39**	**170**	**26**	**32**
Total Table 3+ (17 compounds)[2,3]	**24**	**39**	**170**	**26**	**32**
Total Table 3+ (20 compounds)[2]	**29**	**47**	**220**	**35**	**42**

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	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-102220	CFR-TARHEEL-12-103020	CFR-TARHEEL-24-103120	CFR-TARHEEL-24-110220	CFR-TARHEEL-24-110520
Sample Date	10/22/2020	10/30/2020	10/31/2020	11/2/2020	11/5/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/22/2020 0:01	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	10/22/2020 23:01	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	24
QA/QC					
Sample Delivery Group (SDG)	320-66072-1	320-66384-1	320-66384-1	320-66384-1	320-66511-1
Lab Sample ID	320-66072-1	320-66384-1	320-66384-2	320-66384-3	320-66511-1
Table 3+ SOP (ng/L)					
HFPO-DA	**7.2**	**11**	**8.8**	**7.0**	**5.9**
PFMOAA	**7**	**29**	**27**	**15**	**22**
PFO2HxA	**8.3**	**13**	**11**	**8.5**	**9.3**
PFO3OA	<2	**3.1**	**2.5**	<2	**2.2**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**28**	<20	**21**	**20**	**26**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	**11 J**	**9.1 J**	<2	<2
Hydrolyzed PSDA	<2	**8.5**	**6.1**	**3.9**	**5.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	**3.5**	**3.8**	**3.3**	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	**2.8 J**	**2.2 J**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.1**	**4.5**	**4.9**	**6**	**4.9**
Total Attachment C[1,2]	**51**	**56**	**70**	**51**	**65**
Total Table 3+ (17 compounds)[2,3]	**51**	**60**	**74**	**54**	**65**
Total Table 3+ (20 compounds)[2]	**51**	**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	Q4 2020
Location ID	CFR-TARHEEL	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	CFR-TARHEEL-111820
Sample Date	11/9/2020	11/11/2020	11/12/2020	11/13/2020	11/18/2020
Sample Type	Composite	Composite	Composite	Grab	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	320-67088-1
Lab Sample ID	320-66794-1	320-66794-2	320-66794-3	320-67088-1	320-67088-2
Table 3+ SOP (ng/L)					
HFPO-DA	**12 J**	**14**	**46**	**2.8**	**6**
PFMOAA	**35 J**	**38**	**48**	<2	**8.1**
PFO2HxA	**17 J**	**18**	**45**	**3.3**	**7.7**
PFO3OA	**3.9 J**	**3.6**	**11**	<2	<2
PFO4DA	<2 UJ	<2	**7.3**	<2	<2
PFO5DA	<2 UJ	<2	**5.3**	<2	<2
PMPA	**22 J**	<20	**52**	<20	<20
PEPA	<10 UJ	<10	**16**	<10	<10
PS Acid	<2 UJ	<2	**2.6**	<2	<2
Hydro-PS Acid	<2 UJ	<2	**2.9**	<2	<2
R-PSDA	**16 J**	**16**	**39**	<2	**6.2**
Hydrolyzed PSDA	**14 J**	**15**	**21**	<2	**2.5**
R-PSDCA	<2 UJ	<2	<2	<2	<2
NVHOS	**2.8 J**	**3.8**	**3.3**	<2	<2
EVE Acid	<2 UJ	<2	**2.1**	<2	<2
Hydro-EVE Acid	<2 UJ	<2	<2	<2	<2
R-EVE	**3.4 J**	**3.9**	**11**	<2	<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	**4.2 J**	**3.8**	**3.6**	**3.1**	**2.6**
Total Attachment C[1,2]	**90**	**74**	**240**	**6.1**	**22**
Total Table 3+ (17 compounds)[2,3]	**93**	**77**	**240**	**6.1**	**22**
Total Table 3+ (20 compounds)[2]	**130**	**110**	**310**	**6.1**	**31**

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[4]	CFR-TARHEEL	CFR-TARHEEL[4]
Field Sample ID	CFR-TARHEEL-112020	CFR-TARHEEL-24-112420	CFR-TARHEEL-24-112420	CFR-TARHEEL-24-112620	CFR-TARHEEL-24-112620
Sample Date	11/20/2020	11/24/2020	11/24/2020	11/26/2020	11/26/2020
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	--	11/24/2020 0:01	11/24/2020 0:01	11/26/2020 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	11/26/2020 23:01
Composite Duration (hours)	--	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-67088-1	320-67335-1	320-67335-2	320-67335-1	320-67335-2
Lab Sample ID	320-67088-3	320-67335-1	320-67335-1	320-67335-2	320-67335-2
Table 3+ SOP (ng/L)					
HFPO-DA	**6.1**	<2	**7.2 J**	**100**	**7.8 J**
PFMOAA	**10**	<2	**18 J**	**23 J**	**21 J**
PFO2HxA	**7.5**	**2.3**	**6.1 J**	**100**	**7.4 J**
PFO3OA	<2	<2	<2 UJ	**14**	<2 UJ
PFO4DA	<2	<2	<2 UJ	**13**	<2 UJ
PFO5DA	<2	<2	<2 UJ	<2	<2 UJ
PMPA	<20	<20	<20 UJ	**92**	<20 UJ
PEPA	<10	<10	<10 UJ	**27**	<10 UJ
PS Acid	<2	<2	<2 UJ	<2	<2 UJ
Hydro-PS Acid	<2	<2	<2 UJ	**8**	<2 UJ
R-PSDA	**7.1**	<2	**3.3 J**	**5.5**	**4.1 J**
Hydrolyzed PSDA	**4.9**	<2	**3.5 J**	<2	**4.3 J**
R-PSDCA	<2	<2	<2 UJ	<2	<2 UJ
NVHOS	<2	<2	<2 UJ	<2	<2 UJ
EVE Acid	<2	<2	<2 UJ	<2	<2 UJ
Hydro-EVE Acid	<2	<2	<2 UJ	<2	<2 UJ
R-EVE	<2	<2	<2 UJ	**3**	<2 UJ
PES	<2	<2	<2 UJ	<2	<2 UJ
PFECA B	<2	<2	<2 UJ	<2	<2 UJ
PFECA-G	<2	<2	<2 UJ	<2	<2 UJ
Perfluoroheptanoic Acid	**3.3**	<2	**4.5 J**	**2.9**	**5.7 J**
Total Attachment C[1,2]	**24**	**2.3**	**31**	**380**	**36**
Total Table 3+ (17 compounds)[2,3]	**24**	**2.3**	**31**	**380**	**36**
Total Table 3+ (20 compounds)[2]	**36**	**2.3**	**38**	**390**	**45**

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	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-113020	CFR-TARHEEL-24-120320	CFR-TARHEEL-24-120720	CFR-TARHEEL-24-121020	CFR-TARHEEL-24-121320
Sample Date	11/30/2020	12/3/2020	12/7/2020	12/10/2020	12/13/2020
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/30/2020 0:01	12/3/2020 0:01	12/7/2020 0:01	12/10/2020 0:01	12/13/20 0:01
Sample Stop Date and Time	11/30/2020 23:01	12/3/2020 23:01	12/7/2020 23:01	12/10/2020 23:01	12/13/20 23:01
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-67618-1	320-67618-1	320-67847-1	320-67870-1	320-68141-1
Lab Sample ID	320-67618-1	320-67618-2	320-67847-1	320-67870-1	320-68141-1
Table 3+ SOP (ng/L)					
HFPO-DA	**18**	**4.4**	**5.5**	**5.7**	**9.0**
PFMOAA	**32**	**9.5**	**13**	**18**	**25**
PFO2HxA	**14**	**4.4**	**6**	**5.7**	**9.2**
PFO3OA	**3.2**	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**27**	**28**	<20	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**8.4**	**3.9**	**6.3**	<2	**7.4 J**
Hydrolyzed PSDA	**9.6**	**3.1**	**5.9**	<2	**6.9**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**3.2**	<2	**2.9**	<2	**2.3**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.8**	**4**	**4.3**	**3.7**	**5.3**
Total Attachment C[1,2]	**94**	**46**	**25**	**29**	**43**
Total Table 3+ (17 compounds)[2,3]	**94**	**46**	**25**	**29**	**43**
Total Table 3+ (20 compounds)[2]	**120**	**53**	**40**	**29**	**60**

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	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-12-121420	CAP1220-CFR-TARHEEL-121520	CAP1220-TARHEEL-121620	CFR-TARHEEL-121720	CFR-TARHEEL-122120
Sample Date	12/14/2020	12/15/2020	12/16/2020	12/17/2020	12/21/2020
Sample Type	Composite	Grab	Grab	Grab	Grab
Sample Start Date and Time	12/14/2020 0:59	--	--	--	--
Sample Stop Date and Time	12/14/2020 11:59	--	--	--	--
Composite Duration (hours)	12	--	--	--	--
QA/QC					
Sample Delivery Group (SDG)	320-68141-1	320-68082-1	320-68080-1	320-68141-1	320-68261-1
Lab Sample ID	320-68141-2	320-68082-4	320-68080-1	320-68141-3	320-68261-1
Table 3+ SOP (ng/L)					
HFPO-DA	**9.4**	**7.6**	**11**	**3.2**	**3.9**
PFMOAA	**27**	**14**	**20**	**6.9**	**9.9**
PFO2HxA	**9.9**	**8.6**	**9.7**	**3.1**	**3.7**
PFO3OA	**2.1**	<2	**2.6**	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	**25**	**27**	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**7.4 J**	**13**	<2	**4.3 J**	**3.3 J**
Hydrolyzed PSDA	**7.4**	**8.6 J**	**9.2**	**2.2**	**3.1**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	**4.1**	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.4**	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.1**	**3.9**	**4.3**	**4.5**	**3.9**
Total Attachment C[1,2]	**48**	**55**	**70**	**13**	**18**
Total Table 3+ (17 compounds)[2,3]	**48**	**55**	**74**	**13**	**18**
Total Table 3+ (20 compounds)[2]	**66**	**77**	**84**	**20**	**24**

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

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-122320	CFR-TARHEEL-122420	CFR-TARHEEL-122820	CFR-TARHEEL-123020	CFR-TARHEEL-010621
Sample Date	12/23/2020	12/24/2020	12/28/2020	12/30/2020	1/6/2021
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)	320-68338-1	320-68338-1	320-68338-1	320-68393-1	320-68684-1
Lab Sample ID	320-68338-1	320-68338-2	320-68338-3	320-68393-1	320-68684-1
Table 3+ SOP (ng/L)					
HFPO-DA	**3.5**	**12**	**3.0**	**4.4**	**2.8**
PFMOAA	<2	**17**	<2	**12**	**3.0**
PFO2HxA	**3.6**	**9**	**2.5**	**4.8**	**3.5**
PFO3OA	<2	<2	<2	<2	<2.0
PFO4DA	<2	<2	<2	<2	<2.0
PFO5DA	<2	<2	<2	<2	<2.0
PMPA	<20	<20	<20	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2.0
Hydro-PS Acid	<2	<2	<2	<2	<2.0
R-PSDA	<2	**13 J**	<2	**5.6**	<2.0
Hydrolyzed PSDA	**3.2 J**	**11 J**	**2 J**	**4.3**	<2.0
R-PSDCA	<2	<2	<2	<2	<2.0
NVHOS	<2	<2	<2	<2	<2.0
EVE Acid	<2	<2	<2	<2	<2.0
Hydro-EVE Acid	<2	<2	<2	<2	<2.0
R-EVE	<2	<2	<2	**2.8**	<2.0
PES	<2	<2	<2	<2	<2.0
PFECA B	<2	<2	<2	<2	<2.0
PFECA-G	<2	<2	<2	<2	<2.0
Perfluoroheptanoic Acid	**3.4**	**3.8**	**3.4**	**3.5**	<2.0
Total Attachment C[1,2]	**7.1**	**38**	**5.5**	**21**	**9.3**
Total Table 3+ (17 compounds)[2,3]	**7.1**	**38**	**5.5**	**21**	**9.3**
Total Table 3+ (20 compounds)[2]	**10**	**62**	**7.5**	**34**	**9.3**

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-010721	CFR-TARHEEL-011121	CFR-TARHEEL-011421	CFR-TARHEEL-24-012121	CFR-TARHEEL-24-012221
Sample Date	1/7/2021	1/11/2021	1/14/2021	1/21/2021	1/22/2021
Sample Type	Grab	Grab	Grab	Composite	Composite
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)	320-68684-1	320-68930-1	320-68930-1	320-69493-1	320-69493-1
Lab Sample ID	320-68684-2	320-68930-1	320-68930-2	320-69493-1	320-69493-2
Table 3+ SOP (ng/L)					
HFPO-DA	**3.3**	**5.7**	**9.3**	**9.4**	**10**
PFMOAA	<2.0	**13**	**21**	**21**	**23**
PFO2HxA	**3.7**	**5.7**	**10**	**8.4**	**8.4**
PFO3OA	<2.0	<2.0	**2.0**	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<20	<20	<20	**14**	**14**
PEPA	<10	<10	<10	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**3.9**	**4.6**	**5.6**	**6.5**
Hydrolyzed PSDA	<2.0 UJ	**2.8**	**4.2**	**7.2**	**7.9**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	**2.3**	**2.4**
Total Attachment C[1,2]	**7.0**	**24**	**42**	**53**	**55**
Total Table 3+ (17 compounds)[2,3]	**7.0**	**24**	**42**	**53**	**55**
Total Table 3+ (20 compounds)[2]	**7.0**	**31**	**51**	**66**	**70**

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	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721	CFR-TARHEEL-24-012721	CFR-TARHEEL-24-012821	CFR-TARHEEL-020121
Sample Date	1/26/2021	1/27/2021	1/27/2021	1/28/2021	2/1/2021
Sample Type	Grab	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)	320-69424-1	320-69495-2	320-69606-1	320-69606-1	320-69862-1
Lab Sample ID	320-69424-4	320-69495-2	320-69606-1	320-69606-2	320-69862-1
Table 3+ SOP (ng/L)					
HFPO-DA	**17**	**11**	**9.1**	**7.4**	**5.5**
PFMOAA	**36**	**23**	**23**	**16**	**8.6**
PFO2HxA	**13**	**12**	**9.2**	**7.0**	**4.8**
PFO3OA	**3.2**	**2**	<2.0	<2.0	<2.0
PFO4DA	<2	<2	<2.0	<2.0	<2.0
PFO5DA	<2	<2	<2.0	<2.0	<2.0
PMPA	**20**	**19**	**17**	**14**	**13**
PEPA	<20	<20	<20	<20	<20
PS Acid	**2.1**	<2	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2	<2.0	<2.0	<2.0
R-PSDA	**20**	**9.6**	**6.8**	**5.9**	<2.0
Hydrolyzed PSDA	**9.6**	**7.8**	**6.2**	**4.8**	**2.8**
R-PSDCA	<2	<2	<2.0	<2.0	<2.0
NVHOS	**3**	<2	<2.0	<2.0	<2.0
EVE Acid	<2	<2	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2	<2.0	<2.0	<2.0
R-EVE	**4.3**	**3.2**	**2.7**	<2.0	<2.0
PES	<2	<2	<2.0	<2.0	<2.0
PFECA B	<2	<2	<2.0	<2.0	<2.0
PFECA-G	<2	<2	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.2**	**3.1**	**2.3**	**2.5**	**3.0**
Total Attachment C[1,2]	**91**	**67**	**58**	**44**	**32**
Total Table 3+ (17 compounds)[2,3]	**94**	**67**	**58**	**44**	**32**
Total Table 3+ (20 compounds)[2]	**130**	**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	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-020421	CFR-TARHEEL-020821	CFR-TARHEEL-38-021221	CFR-TARHEEL-021621	CFR-TARHEEL-021921
Sample Date	2/4/2021	2/8/2021	2/12/2021	2/16/2021	2/19/2021
Sample Type	Grab	Grab	Composite	Grab	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	320-70504-1
Lab Sample ID	320-69862-2	320-70504-2	320-70504-1	320-70504-3	320-70504-4
Table 3+ SOP (ng/L)					
HFPO-DA	**4.5**	<2.0	**10**	**4.1**	**8.4**
PFMOAA	<2.0	<2.0	**24**	<2.0	**8.9**
PFO2HxA	**4.6**	<2.0 UJ	**8.2 J**	**3.2**	**4.4**
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**10**	<10	**20**	**15**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**5.1**	<2.0	**4.8**
Hydrolyzed PSDA	**4.4**	<2.0	**6.0**	<2.0	**3.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.4**	**4.0**	**3.5**	**2.6**	<2.0
Total Attachment C[1,2]	**19**	**0.0**	**62**	**22**	**38**
Total Table 3+ (17 compounds)[2,3]	**19**	**0.0**	**62**	**22**	**38**
Total Table 3+ (20 compounds)[2]	**24**	**0.0**	**73**	**22**	**46**

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[5]	CFR-TARHEEL	CFR-TARHEEL[5]	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-022221	CFR-TARHEEL-022221	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-TARHEEL-022421	CFR-TARHEEL-022521
Sample Date	2/22/2021	2/22/2021	2/24/2021	2/24/2021	2/25/2021
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)	320-70653-1	320-70653-2	320-70619-1	320-70619-2	320-70653-1
Lab Sample ID	320-70653-1	320-70653-1	320-70619-2	320-70619-2	320-70653-2
Table 3+ SOP (ng/L)					
HFPO-DA	**7.3**	**5.7 J**	**12**	**4.3 J**	**5.5**
PFMOAA	**6.6**	**6.4 J**	**20**	**8.7 J**	**7.4**
PFO2HxA	**5.2**	**7.0 J**	**7**	**5 J**	**5.5**
PFO3OA	<2.0	**2.2 J**	<2	<2 UJ	<2.0
PFO4DA	<2.0	<2.0 UJ	**2.7 J**	<2 UJ	<2.0
PFO5DA	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
PMPA	**14**	**12 J**	<10	**8.4 J**	**12**
PEPA	<20	**2.4 J**	<20	<2 UJ	<20
PS Acid	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	**2.9**	<2 UJ	<2.0
R-PSDA	**3.6**	**7.1 J**	**3.4**	**4.7 J**	**2.9**
Hydrolyzed PSDA	**2.8**	**3.2 J**	**2.6**	**2.4 J**	**2.3**
R-PSDCA	<2.0	<3.0 UJ	<2	<3 UJ	<2.0
NVHOS	<2.0	<3.0 UJ	<2	<3 UJ	<2.0
EVE Acid	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	**4**	<2 UJ	<2.0
R-EVE	<2.0	**2.1 J**	<2	<2 UJ	<2.0
PES	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
PFECA B	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
PFECA-G	<2.0	<2.0 UJ	<2	<2 UJ	<2.0
Perfluoroheptanoic Acid	**2.8**	<2.0 UJ	**2.1**	<2 UJ	**3.3**
Total Attachment C[1,2]	**33**	**36**	**45**	**26**	**30**
Total Table 3+ (17 compounds)[2,3]	**33**	**36**	**49**	**26**	**30**
Total Table 3+ (20 compounds)[2]	**40**	**48**	**55**	**34**	**36**

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[5]	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-022521	CFR-TARHEEL-24-030521	CFR-TARHEEL-24-030621	CFR-TARHEEL-24-030821	CFR-TARHEEL-24-031121
Sample Date	2/25/2021	3/5/2021	3/6/2021	3/8/2021	3/11/2021
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	3/5/21 12:01 AM	3/6/21 12:01 AM	3/8/21 12:01 AM	3/11/21 12:01 AM
Sample Stop Date and Time	-	3/5/21 11:01 PM	3/6/21 11:01 PM	3/8/21 11:01 PM	3/11/21 11:01 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-70653-2	320-71137-1	320-71137-1	320-71410-1	320-71410-1
Lab Sample ID	320-70653-2	320-71137-1	320-71137-2	320-71410-1	320-71410-2
Table 3+ SOP (ng/L)					
HFPO-DA	**5.5 J**	**4.5**	**28**	**5.8**	**8.0**
PFMOAA	**10 J**	**12**	**11**	**12**	**20**
PFO2HxA	**5.7 J**	**5.2**	**4.7**	**4.5**	**7.2**
PFO3OA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PMPA	**9.1 J**	<10	<10	<10	**14**
PEPA	<2.0 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-PSDA	**5.9 J**	**7.2**	**6.3**	**3.8**	**4.5**
Hydrolyzed PSDA	**2.8 J**	**4.8**	**3.9**	**2.3**	**4.2**
R-PSDCA	<3.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	<3.0 UJ	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.2 J**	<2.0	<2.0	<2.0	<2.0
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0 UJ	**3.4**	**4.0**	**3.9**	**3.6**
Total Attachment C[1,2]	**30**	**22**	**44**	**22**	**49**
Total Table 3+ (17 compounds)[2,3]	**30**	**22**	**44**	**22**	**49**
Total Table 3+ (20 compounds)[2]	**36**	**34**	**54**	**28**	**58**

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[5]	CFR-TARHEEL[6]
Field Sample ID	CFR-TARHEEL-24-031521	CFR-TARHEEL-24-031821	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421-Z
Sample Date	3/15/2021	3/18/2021	3/24/2021	3/24/2021	3/24/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/15/21 12:01 AM	3/18/21 12:01 AM	3/24/21 12:01 AM	3/24/21 12:01 AM	3/24/21 12:01 AM
Sample Stop Date and Time	3/16/21 12:01 AM	3/18/21 11:01 PM	3/24/21 11:01 PM	3/24/21 11:01 PM	3/24/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-71660-1	320-71660-1	320-73243-1	320-73243-2	320-73243-2
Lab Sample ID	320-71660-1	320-71660-2	320-73243-1	320-73243-1	320-73243-1Z
Table 3+ SOP (ng/L)					
HFPO-DA	**7.4**	**5.0**	**70 J**	**9.0 J**	**8.4 J**
PFMOAA	**19**	**13**	**13 J**	**20 J**	**23 J**
PFO2HxA	**6.7**	**5.2**	**10 J**	**13 J**	**12 J**
PFO3OA	<2.0	<2.0	**3.0 J**	**2.2 J**	<2.0 UJ
PFO4DA	<2.0	<2.0	**2.5 J**	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0	<2.0	**22 J**	<2.0 UJ	<2.0 UJ
PMPA	**12**	**11**	**21 J**	**17 J**	**12 J**
PEPA	<20	<20	<20 UJ	**4.1 J**	**3.6 J**
PS Acid	<2.0	<2.0	**510 J**	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	**130 J**	<2.0 UJ	<2.0 UJ
R-PSDA	**4.1**	**3.8**	**37 J**	**22 J**	**19 J**
Hydrolyzed PSDA	**3.7**	**2.9**	**23 J**	**14 J**	**11 J**
R-PSDCA	<2.0	<2.0	**6.5 J**	<3.0 UJ	<3.0 UJ
NVHOS	<2.0	<2.0	**5.9 J**	**9.2 J**	**14 J**
EVE Acid	<2.0	<2.0	**33 J**	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	**4.6 J**	<2.0 UJ	<2.0 UJ
R-EVE	<2.0	<2.0	<2.0 UJ	**5.3 J**	**5.7 J**
PES	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**4.3**	**3.8**	**4.3 J**	**3.2 J**	**3.4 J**
Total Attachment C[1,2]	**45**	**34**	**780**	**65**	**59**
Total Table 3+ (17 compounds)[2,3]	**45**	**34**	**830**	**75**	**73**
Total Table 3+ (20 compounds)[2]	**53**	**41**	**890**	**120**	**110**

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[6]	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032521	CFR-TARHEEL-24-032521	CFR-TARHEEL-24-032521	CAP0321-CFR-TARHEEL-032921	CFR-TARHEEL-24-032921
Sample Date	3/25/2021	3/25/2021	3/25/2021	3/29/2021	3/29/2021
Sample Type	Composite	Composite	Composite	Grab	Composite
Sample Start Date and Time	3/25/21 12:01 AM	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	3/25/21 11:01 PM	-	3/29/21 11:01 PM
Composite Duration (hours)	24	24	24	-	24
QA/QC					
Sample Delivery Group (SDG)	320-73243-1	320-73243-1	320-73243-2	320-73243-2	320-72329-1
Lab Sample ID	320-73243-2	320-73243-2	320-73243-2	320-73243-2Z	320-72329-1
Table 3+ SOP (ng/L)					
HFPO-DA	**13 J**	**13 J**	**8.2 J**	**6.4 J**	**3.4**
PFMOAA	**10 J**	**10 J**	**20 J**	**20 J**	**8.0**
PFO2HxA	**8.2 J**	**8.2 J**	**12 J**	**12 J**	**4.7**
PFO3OA	<2.0 UJ	<2.0 UJ	**2.6 J**	**2.3 J**	<2.0
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PMPA	**19 J**	**19 J**	**12 J**	**12 J**	<10
PEPA	<20 UJ	<20 UJ	**3.2 J**	**3.7 J**	<20
PS Acid	**15 J**	**15 J**	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	**4.1 J**	**4.1 J**	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0 UJ	<2.0 UJ	**15 J**	**17 J**	<2.0
Hydrolyzed PSDA	**7.1 J**	**7.1 J**	**9.2 J**	**10 J**	**4.0**
R-PSDCA	<2.0 UJ	<2.0 UJ	<3.0 UJ	<3.0 UJ	<2.0
NVHOS	**2.4 J**	**2.4 J**	**3.0 J**	**7.8 J**	<2.0
EVE Acid	<2.0 UJ	<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 UJ	<2.0
R-EVE	<2.0 UJ	<2.0 UJ	**4.9 J**	**5.2 J**	<2.0
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**6.5 J**	**6.5 J**	**3.7 J**	**3.6 J**	**2.3**
Total Attachment C[1,2]	**69**	**69**	**58**	**56**	**16**
Total Table 3+ (17 compounds)[2,3]	**72**	**72**	**61**	**64**	**16**
Total Table 3+ (20 compounds)[2]	**79**	**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	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL[7]	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0321-CFR-TARHEEL-21-033021	CFR-TARHEEL-24-033121	CFR-TARHEEL-24-033121-D	CFR-TARHEEL-24-040521	CFR-TARHEEL-24-040721
Sample Date	3/30/2021	3/31/2021	3/31/2021	4/5/2021	4/7/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/29/21 12:50 PM	3/31/21 12:01 AM	3/31/21 12:01 AM	4/5/21 12:01 AM	4/7/21 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	4/5/21 11:01 PM	4/7/21 11:01 PM
Composite Duration (hours)	21	24	24	24	24
QA/QC			Field Duplicate		
Sample Delivery Group (SDG)	320-71975-1	320-72329-1	320-72329-1	320-72392-1	320-72392-1
Lab Sample ID	320-71975-4	320-72329-2	320-72329-3	320-72392-1	320-72392-2
Table 3+ SOP (ng/L)					
HFPO-DA	**2.9**	**4.2**	**4.2**	**31**	**14**
PFMOAA	**5.5**	**6.6**	**7.2**	**88**	**28**
PFO2HxA	**2.3**	**3.7**	**3.8**	**31**	**15**
PFO3OA	<2	<2.0	<2.0	**6.5**	**3.3**
PFO4DA	<2	<2.0	<2.0	**2.4**	<2.0
PFO5DA	<2	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	**31**	**26**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.2**	<2.0	<2.0	**16**	**7.4**
Hydrolyzed PSDA	**2.2**	**3.1 J**	**3.0**	**45**	**13**
R-PSDCA	<2	<2.0	<2.0	<2.0	<2.0
NVHOS	<2	<2.0	<2.0	**2.0**	<2.0
EVE Acid	<2	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2.0	<2.0	<2.0	<2.0
R-EVE	<2	<2.0	<2.0	**6.5**	<2.0
PES	<2	<2.0	<2.0	<2.0	<2.0
PFECA B	<2	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.7**	**2.6**	**3.1**	**3.2**	**3.3**
Total Attachment C[1,2]	**11**	**15**	**15**	**190**	**86**
Total Table 3+ (17 compounds)[2,3]	**11**	**15**	**15**	**190**	**86**
Total Table 3+ (20 compounds)[2]	**20**	**18**	**18**	**260**	**110**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-041221	CFR-TARHEEL-24-041521	CFR-TARHEEL-24-041821	CFR-TARHEEL-24-041921	CAP0421-CFR-TARHEEL-042021
Sample Date	4/12/2021	4/15/2021	4/18/2021	4/19/2021	4/20/2021
Sample Type	Composite	Composite	Composite	Composite	Grab
Sample Start Date and Time	4/12/21 12:01 AM	4/15/21 12:01 AM	4/18/21 12:01 AM	4/19/21 12:01 AM	-
Sample Stop Date and Time	4/12/21 11:01 PM	4/15/21 11:01 PM	4/18/21 11:01 PM	4/19/21 11:01 PM	-
Composite Duration (hours)	24	24	24	24	-
QA/QC					
Sample Delivery Group (SDG)	320-72767-1	320-72767-1	320-73112-1	320-73112-1	320-72813-1
Lab Sample ID	320-72767-1	320-72767-2	320-73112-1	320-73112-2	320-72813-3
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**10**	**24**	**31**	**15**
PFMOAA	**31**	**31**	**51**	**92**	**48**
PFO2HxA	**12**	**11**	**16**	**48**	**19**
PFO3OA	<2.0	<2.0	<2.0	**20**	**4.2**
PFO4DA	<2.0	<2.0	<2.0	**5.3**	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**19**	**15**	**17**	**24**	**20**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.4**	**5.5**	**12**	**19**	**13**
Hydrolyzed PSDA	**18**	**8.5**	**18**	**22**	**16**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**2.1**	**3.7**	**3.0**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.6**	<2.0	**3.6**	**5.9**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.0**	**4.1**	**3.6**	**4.7**	**3.5**
Total Attachment C[1,2]	**72**	**67**	**110**	**220**	**110**
Total Table 3+ (17 compounds)[2,3]	**72**	**67**	**110**	**220**	**110**
Total Table 3+ (20 compounds)[2]	**100**	**81**	**140**	**270**	**140**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0421-CFR-TARHEEL-5-042121	CAP0421-CFR-TARHEEL-24-042221	CFR-TARHEEL-042721	CFR-TARHEEL-24-042821	CFR-TARHEEL-24-042821-D
Sample Date	4/21/2021	4/22/2021	4/27/2021	4/28/2021	4/28/2021
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	4/21/21 10:48 AM	4/21/21 2:20 PM	-	4/28/21 12:01 AM	4/28/21 12:01 AM
Sample Stop Date and Time	4/21/21 2:48 PM	4/22/21 1:20 PM	-	4/28/21 11:01 PM	4/28/21 11:01 PM
Composite Duration (hours)	5	24	-	24	24
QA/QC					Field Duplicate
Sample Delivery Group (SDG)	320-72803-1	320-72908-2	320-73330-1	320-73330-1	320-73330-1
Lab Sample ID	320-72803-3	320-72908-7	320-73330-1	320-73330-2	320-73330-3
Table 3+ SOP (ng/L)					
HFPO-DA	**25**	**23**	**23**	**18**	**16**
PFMOAA	**48**	**64**	**63**	**56**	**53**
PFO2HxA	**34**	**26**	**25**	**20**	**21**
PFO3OA	**9.1**	**7.2**	**5.6**	**4.6 J**	<2.0
PFO4DA	**3.2**	**2.0**	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**36**	**19**	**30**	**24**	**25**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**18**	**32**	**15**	**17 J**	**15**
Hydrolyzed PSDA	**30**	**330**	**31 J**	**19 J**	**19 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**4.8**	**3.4**	**3.4**	**3.9**	**3.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.8**	**23**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.3**	**3.6**	**3.4**	**3.8**	**4.2**
Total Attachment C[1,2]	**160**	**140**	**150**	**120**	**120**
Total Table 3+ (17 compounds)[2,3]	**160**	**140**	**150**	**130**	**120**
Total Table 3+ (20 compounds)[2]	**210**	**530**	**200**	**160**	**150**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-050321	CFR-TARHEEL-24-050621	CFR-TARHEEL-24-051021	CFR-TARHEEL-24-051021-D	CFR-TARHEEL-24-051221
Sample Date	5/3/2021	5/6/2021	5/10/2021	5/10/2021	5/12/2021
Sample Type	Composite	Grab	Composite	Composite	Composite
Sample Start Date and Time	5/3/21 12:01 AM	-	5/10/21 12:01 AM	5/10/21 12:01 AM	5/12/21 12:01 AM
Sample Stop Date and Time	5/3/21 11:01 PM	-	5/10/21 11:01 PM	5/10/21 11:01 PM	5/12/21 11:01 PM
Composite Duration (hours)	24	-	24	24	24
QA/QC				Field Duplicate	
Sample Delivery Group (SDG)	320-73801-1	320-73801-1	320-73801-1	320-73801-1	320-73801-1
Lab Sample ID	320-73801-1	320-73801-2	320-73801-3	320-73801-4	320-73801-5
Table 3+ SOP (ng/L)					
HFPO-DA	**14 J**	**15 J**	**11**	**12**	**12**
PFMOAA	**49 J**	**57 J**	**32 J**	**32 J**	**40 J**
PFO2HxA	**14 J**	**17 J**	**9.8 J**	**9.9**	**11**
PFO3OA	**3.5 J**	**3.1 J**	**2.3 J**	**2.2**	**2.7**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	**22 J**	**35 J**	**26 J**	**26 J**	**23 J**
PEPA	<20 UJ	<20 UJ	<20 UJ	<20	<20
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	**18 J**	**17 J**	**18 J**	**20**	**15**
Hydrolyzed PSDA	**18 J**	**20 J**	**14 J**	**15**	**17**
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	**11 J**	**5.8 J**	**8.2**	**7.6**	**5.4**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	**4.5 J**	**3.9 J**	**3.1 J**	**2.9**	**3.9**
PES	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.5 J**	**5.2 J**	**5.9**	**5.2**	**6.0**
Total Attachment C[1,2]	**100**	**130**	**81**	**82**	**89**
Total Table 3+ (17 compounds)[2,3]	**110**	**130**	**89**	**90**	**94**
Total Table 3+ (20 compounds)[2]	**150**	**170**	**120**	**130**	**130**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL[8]
Field Sample ID	CFR-TARHEEL-24-051721	CFR-TARHEEL-24-052021	CFR-TARHEEL-24-052421	CAP0521-CFR-TARHEEL-052621	CAP0521-CFR-TARHEEL-052621
Sample Date	5/17/2021	5/20/2021	5/24/2021	5/26/2021	5/26/2021
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	5/17/21 12:01 AM	5/20/21 12:01 AM	5/24/21 12:01 AM	-	-
Sample Stop Date and Time	5/17/21 11:01 PM	5/20/21 11:01 PM	5/24/21 11:01 PM	-	-
Composite Duration (hours)	24	24	24	-	-
QA/QC					
Sample Delivery Group (SDG)	320-74299-1	320-74299-1	320-74558-1	320-74300-1	320-74300-2
Lab Sample ID	320-74299-1	320-74299-2	320-74558-1	320-74300-1	320-74300-1
Table 3+ SOP (ng/L)					
HFPO-DA	**13 J**	**22 J**	**21**	**18**	**17 J**
PFMOAA	**37 J**	**45 J**	**66**	**51**	**23 J**
PFO2HxA	**15 J**	**18 J**	**25**	**21**	**16 J**
PFO3OA	**4.0 J**	**3.6 J**	**5.6**	**5.9**	**4.0 J**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PMPA	**38 J**	**36 J**	**34**	**24 B**	**31 BJ**
PEPA	<20 UJ	<20 UJ	<20	**5.1**	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-PSDA	**11 J**	**14 J**	**12**	**62 J**	<2.0 UJ
Hydrolyzed PSDA	**19 J**	**20 J**	**23**	**12 J**	<2.0 UJ
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0	<3.0 UJ	<2.0 UJ
NVHOS	**4.5 J**	**4.6 J**	**4.1**	**5.1**	**4.4 J**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-EVE	**2.7 J**	**3.3 J**	**3.6**	**5.0**	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**6.6 J**	**5.2 J**	**6.0**	**4.8**	**4.9 J**
Total Attachment C[1,2]	**110**	**120**	**150**	**130**	**91**
Total Table 3+ (17 compounds)[2,3]	**110**	**130**	**160**	**130**	**95**
Total Table 3+ (20 compounds)[2]	**140**	**170**	**190**	**210**	**95**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0521-CFR-TARHEEL-24-052721	CFR-TARHEEL-24-052721	CFR-TARHEEL-24-060221	CFR-TARHEEL-24-060321	CFR-TARHEEL-24-060721
Sample Date	5/27/2021	5/27/2021	6/2/2021	6/3/2021	6/7/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	5/26/21 2:18 PM	5/27/21 12:01 AM	6/2/21 12:01 AM	6/3/21 12:01 AM	6/7/21 12:01 AM
Sample Stop Date and Time	5/27/21 1:18 PM	5/27/21 11:01 PM	6/2/21 11:01 PM	6/3/21 11:01 PM	6/7/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-74588-1	320-74558-1	320-74900-1	320-74900-1	320-75079-1
Lab Sample ID	320-74588-1	320-74558-2	320-74900-1	320-74900-2	320-75079-1
Table 3+ SOP (ng/L)					
HFPO-DA	**21**	**20**	**18**	**92**	**11**
PFMOAA	**60**	**64**	**49**	**76**	**26**
PFO2HxA	**23**	**21**	**20**	**38**	**14**
PFO3OA	**5.6**	**4.4**	**4.4**	**11**	**3.8**
PFO4DA	<2.0	<2.0	<2.0	**4.5**	<2.0
PFO5DA	<2.0	<2.0	<2.0	**3.1**	<2.0
PMPA	**33 B**	**49**	**37**	**52**	**26 J**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	**6.2**	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	**3.6**	<2.0
R-PSDA	**16**	**11**	**11**	**29**	**15 J**
Hydrolyzed PSDA	**23**	**20**	**19**	**50**	**14 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.5**	**5.7**	**3.8**	**6.3**	**5.9**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.1**	**3.8**	**4.7 J**	**9.8**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.7**	**6.5**	**6.2 J**	**6.1**	**6.7**
Total Attachment C[1,2]	**140**	**160**	**130**	**290**	**81**
Total Table 3+ (17 compounds)[2,3]	**150**	**160**	**130**	**290**	**87**
Total Table 3+ (20 compounds)[2]	**190**	**200**	**170**	**380**	**120**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-060721-D	CFR-TARHEEL-24-061221	CAP0621-CFR-TARHEEL-061521	CFR-TARHEEL-24-061521	CAP0621-CFR-TARHEEL-24-061621
Sample Date	6/7/2021	6/12/2021	6/15/2021	6/15/2021	6/16/2021
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	6/7/21 12:01 AM	6/12/21 12:01 AM	-	6/15/21 12:01 AM	6/15/21 3:35 PM
Sample Stop Date and Time	6/7/21 11:01 PM	6/12/21 11:01 PM	-	6/15/21 11:01 PM	6/16/21 2:35 PM
Composite Duration (hours)	24	24	-	24	24
QA/QC	Field Duplicate				
Sample Delivery Group (SDG)	320-75079-1	320-75079-1	320-75249-1	320-75724-1	320-75253-1
Lab Sample ID	320-75079-2	320-75079-3	320-75249-3	320-75724-1	320-75253-2
Table 3+ SOP (ng/L)					
HFPO-DA	**11**	**36**	**7.2**	**7.1**	**6.6**
PFMOAA	**23**	**59**	**13**	**17**	**15**
PFO2HxA	**13**	**30**	**8.2**	**8.7**	**10**
PFO3OA	**3.2**	**8.7**	<2.0	**2.0**	**2.1**
PFO4DA	<2.0	**2.9**	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**24 J**	**35**	**22**	**24**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	**2.3**	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	**2.3**	<2.0	<2.0	<2.0
R-PSDA	<2.0	**22**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**12**	**25**	<2.0	**6.3**	**5.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.6**	**3.6**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	**6.6**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.3**	**7.0**	**4.3**	**4.8**	**3.4**
Total Attachment C[1,2]	**74**	**180**	**50**	**59**	**55**
Total Table 3+ (17 compounds)[2,3]	**80**	**180**	**50**	**59**	**55**
Total Table 3+ (20 compounds)[2]	**92**	**230**	**50**	**65**	**60**

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

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-061721	CFR-TARHEEL-24-062221	CFR-TARHEEL-24-062421	CFR-TARHEEL-24-070121	CFR-TARHEEL-24-070221
Sample Date	6/17/2021	6/22/2021	6/24/2021	7/1/2021	7/2/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/17/21 12:01 AM	6/22/21 12:01 AM	6/24/21 12:01 AM	6/30/21 12:01 AM	7/2/21 12:01 AM
Sample Stop Date and Time	6/17/21 11:01 PM	6/22/21 11:01 PM	6/24/21 11:01 PM	7/1/21 11:01 PM	7/2/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-75724-1	320-75724-1	320-75724-1	320-76118-1	320-76118-1
Lab Sample ID	320-75724-2	320-75724-3	320-75724-4	320-76118-1	320-76118-2
Table 3+ SOP (ng/L)					
HFPO-DA	**8.8**	**12**	**10**	**12**	**13**
PFMOAA	**12**	**17**	**27**	**24**	**27**
PFO2HxA	**7.9**	**12**	**10**	**14**	**17**
PFO3OA	**2.0**	**3.0**	**2.8**	**3.5**	**4.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**26**	**33**	**29**	**28**	**22**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**19**	<2.0	<2.0
Hydrolyzed PSDA	**5.2**	<2.0	**12**	**5.9**	**8.2 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**8.1**	**5.5**	**4.6**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	**4.0**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.3**	**5.1**	**6.1**	**4.1**	**4.1**
Total Attachment C[1,2]	**57**	**77**	**79**	**82**	**83**
Total Table 3+ (17 compounds)[2,3]	**57**	**77**	**87**	**87**	**88**
Total Table 3+ (20 compounds)[2]	**62**	**77**	**120**	**93**	**96**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-070721	CFR-TARHEEL-24-070821	CFR-TARHEEL-24-071221	CFR-TARHEEL-24-071221-D	CFR-TARHEEL-24-071521
Sample Date	7/7/2021	7/8/2021	7/12/2021	7/12/2021	7/15/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/7/21 12:01 AM	7/8/21 12:01 AM	7/12/21 12:01 AM	7/12/21 12:01 AM	7/15/21 12:01 AM
Sample Stop Date and Time	7/7/21 11:01 PM	7/8/21 11:01 PM	7/12/21 11:01 PM	7/12/21 11:01 PM	7/15/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC				Field Duplicate	
Sample Delivery Group (SDG)	320-76118-1	320-76118-1	320-76577-1	320-76577-1	320-76577-1
Lab Sample ID	320-76118-3	320-76118-4	320-76577-1	320-76577-2	320-76577-3
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**18**	**5.0**	**4.3**	**6.7**
PFMOAA	**31**	**29**	**6.9 J**	**3.8 J**	**11**
PFO2HxA	**13**	**18**	**5.0**	**4.8**	**6.4**
PFO3OA	**2.9**	**4.5**	<2.0	<2.0	**2.1**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**15**	**36**	**20 J**	**32 J**	**31 J**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**19 J**	<2.0	<2.0	**6.8 J**	<2.0
Hydrolyzed PSDA	**13 J**	**5.3 J**	**6.7 J**	**5.7 J**	**4.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**8.2**	**5.8**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.9 J**	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.0**	**3.8**	**6.0**	**4.7**	**6.5**
Total Attachment C[1,2]	**72**	**110**	**37**	**45**	**57**
Total Table 3+ (17 compounds)[2,3]	**80**	**110**	**37**	**45**	**57**
Total Table 3+ (20 compounds)[2]	**120**	**120**	**44**	**57**	**62**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-071921	CFR-TARHEEL-24-072221	CFR-TARHEEL-24-072621	CAP0721-CFR-TARHEEL-072821	CAP0721-CFR-TARHEEL-24-072821
Sample Date	7/19/2021	7/22/2021	7/26/2021	7/28/2021	7/28/2021
Sample Type	Composite	Composite	Composite	Grab	Composite
Sample Start Date and Time	7/19/21 12:01 AM	7/22/21 12:01 AM	7/26/21 12:01 AM	-	7/28/21 5:45 PM
Sample Stop Date and Time	7/19/21 11:01 PM	7/22/21 11:01 PM	7/26/21 11:01 PM	-	7/29/21 4:45 PM
Composite Duration (hours)	24	24	24	-	24
QA/QC					
Sample Delivery Group (SDG)	320-77018-1	320-77018-1	320-77146-1	320-76991-1	320-77167-1
Lab Sample ID	320-77018-1	320-77018-2	320-77146-1	320-76991-5	320-77167-1
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**11**	**12**	**5.5**	**9.3**
PFMOAA	**12**	**8.2**	**11**	**5.0**	**8.8**
PFO2HxA	**12**	**10**	**11**	**6.5**	**8.9**
PFO3OA	**3.2**	**2.4**	**3.0**	<2.0	**2.5**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**22 J**	**19 J**	**28**	**29**	**30**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**10 J**	**11 J**	<2.0	<2.0	**9.0 J**
Hydrolyzed PSDA	**13 J**	**7.3 J**	**2.2 J**	**3.3 J**	**4.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.9**	<2.0	<2.0	**4.2**	**5.5**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.9 J**	**3.5 J**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.6**	**4.1**	**5.2**	**4.8**	**4.3**
Total Attachment C[1,2]	**61**	**51**	**65**	**46**	**60**
Total Table 3+ (17 compounds)[2,3]	**65**	**51**	**65**	**50**	**65**
Total Table 3+ (20 compounds)[2]	**91**	**72**	**67**	**54**	**79**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-072921	CFR-TARHEEL-24-080221	CFR-TARHEEL-24-080521	CFR-TARHEEL-24-081221	CFR-TARHEEL-24-081221-DUP
Sample Date	7/29/2021	8/2/2021	8/5/2021	8/12/2021	8/12/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/29/21 12:01 AM	8/2/21 12:01 AM	8/5/21 12:01 AM	8/12/21 12:01 AM	8/12/21 12:01 AM
Sample Stop Date and Time	7/29/21 11:01 PM	8/2/21 11:01 PM	8/5/21 11:01 PM	8/12/21 11:01 PM	8/12/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Delivery Group (SDG)	320-77146-1	320-77601-1	320-77601-1	320-77901-1	320-77901-1
Lab Sample ID	320-77146-2	320-77601-1	320-77601-2	320-77901-1	320-77901-2
Table 3+ SOP (ng/L)					
HFPO-DA	**8.1**	**16**	**20**	**15**	**14**
PFMOAA	**8.6**	**27**	**32**	**15 J**	**15**
PFO2HxA	**8.8**	**18**	**25**	**17**	**17**
PFO3OA	<2.0	**4.0**	**5.8**	**3.9**	**3.7**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**26**	**37**	**39**	**42**	**40**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.0 J**	**20 J**	**29 J**	**8.1 J**	**7.4 J**
Hydrolyzed PSDA	**3.9 J**	**14 J**	**20 J**	**4.6 J**	**4.1 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**4.7**	**5.5**	**7.6**	**8.4**	**8.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.2 J**	**5.0 J**	**7.4 J**	**2.0 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.6**	**3.6**	**3.8**	**4.2**	**4.3**
Total Attachment C[1,2]	**52**	**100**	**120**	**93**	**90**
Total Table 3+ (17 compounds)[2,3]	**56**	**110**	**130**	**100**	**99**
Total Table 3+ (20 compounds)[2]	**69**	**150**	**190**	**120**	**110**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL[9]
Field Sample ID	CFR-TARHEEL-24-081321	CFR-TARHEEL-24-081621	CFR-TARHEEL-24-081921	CAP0821-CFR-TARHEEL-081921	CAP0821-CFR-TARHEEL-081921
Sample Date	8/13/2021	8/16/2021	8/19/2021	8/19/2021	8/19/2021
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	8/13/21 12:01 AM	8/16/21 12:01 AM	8/19/21 12:01 AM	-	-
Sample Stop Date and Time	8/13/21 11:01 PM	8/16/21 11:01 PM	8/19/21 11:01 PM	-	-
Composite Duration (hours)	24	24	24	-	-
QA/QC					
Sample Delivery Group (SDG)	320-77901-1	320-78259-1	320-78259-1	320-78260-1	320-78260-2
Lab Sample ID	320-77901-3	320-78259-1	320-78259-2	320-78260-5	320-78260-5
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**13**	**13**	**14**	**15 J**
PFMOAA	**14**	**24**	**25**	**26**	**28 J**
PFO2HxA	**15**	**16**	**15**	**17**	**17 J**
PFO3OA	**3.0**	**4.0**	**3.3**	**4.1**	**4.3 J**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PMPA	**34**	**18**	**18**	**17**	**18 J**
PEPA	<20	<20	<20	<20	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
R-PSDA	**11 J**	**8.5 J**	**17 J**	**18 J**	**6.2 J**
Hydrolyzed PSDA	**3.4 J**	**11 J**	**19 J**	**23 J**	**11 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	**10**	**3.3**	**7.2**	**7.0**	**6.8 J**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
R-EVE	<2.0	**2.3 J**	**3.0 J**	**3.8 J**	<2.0 UJ
PES	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	**3.9**	**3.4**	**3.5**	**4**	**4.2 J**
Total Attachment C[1,2]	**80**	**75**	**74**	**78**	**82**
Total Table 3+ (17 compounds)[2,3]	**90**	**78**	**82**	**85**	**89**
Total Table 3+ (20 compounds)[2]	**100**	**100**	**120**	**130**	**110**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[9]	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0821-CFR-TARHEEL-24-082021	CAP0821-CFR-TARHEEL-24-082021	CFR-TARHEEL-24-082321	CFR-TARHEEL-24-082621	CFR-TARHEEL-24-082921
Sample Date	8/20/2021	8/20/2021	8/23/2021	8/26/2021	8/29/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	8/19/21 8:30 AM	8/19/21 8:30 AM	8/23/21 12:01 AM	8/26/21 12:01 AM	8/29/21 12:01 AM
Sample Stop Date and Time	8/20/21 7:30 AM	8/20/21 7:30 AM	8/23/21 11:01 PM	8/26/21 11:01 PM	8/29/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-78262-1	320-78262-2	320-78429-1	320-78429-1	320-78771-1
Lab Sample ID	320-78262-1	320-78262-1	320-78429-1	320-78429-2	320-78771-1
Table 3+ SOP (ng/L)					
HFPO-DA	**2.2**	**13 J**	**5.5**	**6.2**	**11**
PFMOAA	<2.0	**22 J**	**6.0**	**7.9**	**5.6**
PFO2HxA	**2.6**	**14 J**	**7.0**	**9.2**	**12**
PFO3OA	<2.0	**2.7 J**	<2.0	<2.0	**2.8**
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	<10	**15 J**	**18**	**24**	**12**
PEPA	<20	<20 UJ	<20	<20	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	**18 J**	<2.0 UJ	<2.0	<2.0	**6.1 J**
Hydrolyzed PSDA	**3.6 J**	<2.0 UJ	**4.0 J**	**6.1 J**	**4.6 J**
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	**7.5**	<2.0 UJ	**3.8**	**2.9**	**2.5**
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	**2.3 J**	<2.0 UJ	<2.0	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4**	**3.5 J**	**5.2**	**5.4**	**4.6**
Total Attachment C[1,2]	**4.8**	**67**	**37**	**47**	**43**
Total Table 3+ (17 compounds)[2,3]	**12**	**67**	**40**	**50**	**46**
Total Table 3+ (20 compounds)[2]	**36**	**67**	**44**	**56**	**57**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-090221	CFR-TARHEEL-24-090621	CFR-TARHEEL-24-090921	CFR-TARHEEL-24-091321	CFR-TARHEEL-24-091321-D
Sample Date	9/2/2021	9/6/2021	9/9/2021	9/13/2021	9/13/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/2/21 12:01 AM	9/6/21 12:01 AM	9/9/21 12:01 AM	9/13/21 12:01 AM	9/13/21 12:01 AM
Sample Stop Date and Time	9/2/21 11:01 PM	9/6/21 11:01 PM	9/9/21 11:01 PM	9/13/21 11:01 PM	9/13/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Delivery Group (SDG)	320-78771-1	320-78868-1	320-78868-1	320-79407-1	320-79407-1
Lab Sample ID	320-78771-2	320-78868-1	320-78868-2	320-79407-1	320-79407-2
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**15**	**17**	**8.8**	**9.5**
PFMOAA	**7.7**	**17**	**16**	**25**	**25**
PFO2HxA	**16**	**20**	**20**	**12**	**12**
PFO3OA	**3.6**	**4.9**	**4.3**	**2.8**	**2.5**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**11**	**15**	**12**	**17**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**5.5 J**	<2.0	<2.0	**9.4 J**	**12 J**
Hydrolyzed PSDA	**5.6 J**	**5.9 J**	**5.1 J**	**8.3 J**	**8.9 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.2**	**6.2**	**6.6**	**11**	**11**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**2.7 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.5**	**4.5**	**4.7**	**5.4**	**5.2**
Total Attachment C[1,2]	**53**	**72**	**69**	**66**	**65**
Total Table 3+ (17 compounds)[2,3]	**57**	**78**	**76**	**77**	**76**
Total Table 3+ (20 compounds)[2]	**68**	**84**	**81**	**97**	**97**

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

Sampling Event	Q3 2021	Q3 2021	Q3 2021	Q3 2021	Q3 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0921-CFR-TARHEEL-091521	CAP0921-CFR-TARHEEL-24-091521	CFR-TARHEEL-24-091621	CFR-TARHEEL-24-092021	CFR-TARHEEL-24-092121
Sample Date	9/15/2021	9/15/2021	9/16/2021	9/20/2021	9/21/2021
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	9/14/21 9:36 PM	9/16/21 12:01 AM	9/20/21 12:01 AM	9/21/21 12:01 AM
Sample Stop Date and Time	-	9/15/21 8:36 PM	9/16/21 11:01 PM	9/20/21 11:01 PM	9/21/21 11:01 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-79067-1	320-79449-1	320-79407-1	320-79516-1	320-79516-1
Lab Sample ID	320-79067-4	320-79449-1	320-79407-3	320-79516-1	320-79516-2
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**13**	**13**	**14**	**14**
PFMOAA	**39**	**37**	**41**	**34**	**33**
PFO2HxA	**21**	**18**	**18**	**16**	**16**
PFO3OA	**5.1**	**4.3**	**4.4**	**3.3**	**3.6**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**24**	**21**	**20**	**15**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**8.8 J**	**11 J**	**13 J**	**6.2 J**	**4.2 J**
Hydrolyzed PSDA	**11 J**	**12 J**	**13 J**	**6.4 J**	**6.1 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**9.3**	**10**	**12**	**4.8**	**4.5**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**3.0 J**	**2.5 J**	**2.6 J**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.6**	**5.2**	**5.4**	**7.0**	**6.3**
Total Attachment C[1,2]	**100**	**93**	**96**	**82**	**83**
Total Table 3+ (17 compounds)[2,3]	**110**	**100**	**110**	**87**	**87**
Total Table 3+ (20 compounds)[2]	**140**	**130**	**140**	**100**	**97**

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

Sampling Event	Q3 2021	Q3 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-092721	CFR-TARHEEL-24-093021	CFR-TARHEEL-24-100421	CFR-TARHEEL-24-100721	CFR-TARHEEL-24-101121
Sample Date	9/27/2021	9/30/2021	10/04/2021	10/07/2021	10/11/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/27/21 12:01 AM	9/30/21 12:01 AM	10/4/21 12:01 AM	10/7/21 12:01 AM	10/11/21 12:01 AM
Sample Stop Date and Time	9/27/21 11:01 PM	9/30/21 11:01 PM	10/4/21 11:01 PM	10/7/21 11:01 PM	10/11/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-80088-1	320-80088-1	320-80341-1	320-80341-1	320-80531-1
Lab Sample ID	320-80088-1	320-80088-2	320-80341-1	320-80341-2	320-80531-1
Table 3+ SOP (ng/L)					
HFPO-DA	**6.7**	**13**	**13**	**14**	**3.6**
PFMOAA	**21**	**39**	**31**	**31**	**9.4**
PFO2HxA	**7.1**	**15**	**16**	**16**	**4.8**
PFO3OA	<2.0	**3.3**	**3.6**	**4.0**	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**13**	**18**	**16**	**14**	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.3 J**	**6.4 J**	**4.3 J**	**7.8 J**	**7.1 J**
Hydrolyzed PSDA	**6.4 J**	**12 J**	**6.1 J**	**11 J**	**4.6 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	**2.5**	**3.0**	**6.0**	**5.7**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	**2.1 J**	<2.0	**2.3 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**2.3**	**2.9**	**3.5**	**5.1**
Total Attachment C[1,2]	**48**	**88**	**80**	**79**	**18**
Total Table 3+ (17 compounds)[2,3]	**48**	**91**	**83**	**85**	**24**
Total Table 3+ (20 compounds)[2]	**62**	**110**	**93**	**110**	**35**

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

Sampling Event	Q4 2021	Q4 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-101121-D	CFR-TARHEEL-24-101521	CFR-TARHEEL-24-101821	CFR-TARHEEL-24-102121	CFR-TARHEEL-24-102521
Sample Date	10/11/2021	10/15/2021	10/18/2021	10/21/2021	10/25/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/11/21 12:01 AM	10/15/21 12:01 AM	10/18/21 12:01 AM	10/21/21 12:01 AM	10/25/21 12:01 AM
Sample Stop Date and Time	10/11/21 11:01 PM	10/15/21 11:01 PM	10/18/21 11:01 PM	10/21/21 11:01 PM	10/25/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Delivery Group (SDG)	320-80531-1	320-80531-1	320-81068-1	320-81068-1	320-81213-1
Lab Sample ID	320-80531-2	320-80531-3	320-81068-1	320-81068-2	320-81213-1
Table 3+ SOP (ng/L)					
HFPO-DA	**3.1**	**7.8**	**12**	**13**	**14**
PFMOAA	**10**	**21**	**22**	**30**	**21**
PFO2HxA	**4.5**	**9.5**	**15**	**17**	**16**
PFO3OA	<2.0	**2.4**	**3.5**	**4.1**	**3.7**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**10**	**19**	**23**	**26**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	**11 J**	<2.0
Hydrolyzed PSDA	**5.1 J**	**5.3 J**	**7.6 J**	**12 J**	**8.5 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.7**	<2.0	**2.9**	**5.8**	**7.4**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**3.0 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.2**	**2.6**	**2.7**	**2.8**	**3.7**
Total Attachment C[1,2]	**18**	**51**	**72**	**87**	**81**
Total Table 3+ (17 compounds)[2,3]	**23**	**51**	**74**	**93**	**88**
Total Table 3+ (20 compounds)[2]	**28**	**56**	**82**	**120**	**97**

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

Sampling Event	Q4 2021	Q4 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-102821	CFR-TARHEEL-24-110121	CFR-TARHEEL-24-110421	CFR-TARHEEL-24-110821	CFR-TARHEEL-24-110821-D
Sample Date	10/28/2021	11/01/2021	11/04/2021	11/08/2021	11/08/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/28/21 12:01 AM	11/1/21 12:01 AM	11/4/21 12:01 AM	11/8/21 12:01 AM	11/8/21 12:01 AM
Sample Stop Date and Time	10/28/21 11:01 PM	11/1/21 11:01 PM	11/4/21 11:01 PM	11/8/21 11:01 PM	11/8/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Delivery Group (SDG)	320-81213-1	320-81550-1	320-81550-1	320-81858-1	320-81858-1
Lab Sample ID	320-81213-2	320-81550-1	320-81550-2	320-81858-1	320-81858-2
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**13**	**12**	**14**	**15**
PFMOAA	**23**	**20**	**21**	**23 J**	**19**
PFO2HxA	**11**	**13**	**14**	**15**	**15**
PFO3OA	**3.5**	**3.5**	**3.4**	**4.1**	**4.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**22**	**22**	**22**	**21**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	**9.8 J**	**7.6 J**
Hydrolyzed PSDA	**8.1 J**	**12 J**	**11 J**	**8.3 J**	**8.2 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**6.1**	**5.4**	**6.1**	**6.9**	**6.9**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**3.4 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.9**	**4.8**	**5.9**	**4.9**	**4.5**
Total Attachment C[1,2]	**72**	**72**	**72**	**77**	**74**
Total Table 3+ (17 compounds)[2,3]	**78**	**77**	**79**	**84**	**81**
Total Table 3+ (20 compounds)[2]	**86**	**89**	**90**	**110**	**97**

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

Sampling Event	Q4 2021	Q4 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-111121	CFR-TARHEEL-24-111521	CFR-TARHEEL-24-111821	CFR-TARHEEL-24-112221	CFR-TARHEEL-24-112521
Sample Date	11/11/2021	11/15/2021	11/18/2021	11/22/2021	11/25/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/11/21 12:01 AM	11/15/21 12:01 AM	11/18/21 12:01 AM	11/22/21 12:01 AM	11/25/21 12:01 AM
Sample Stop Date and Time	11/11/21 11:01 PM	11/15/21 11:01 PM	11/18/21 11:01 PM	11/22/21 11:01 PM	11/25/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-81858-1	320-82176-1	320-82176-1	320-82423-1	320-82422-1
Lab Sample ID	320-81858-3	320-82176-1	320-82176-2	320-82423-1	320-82422-1
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**11**	**20**	**13**	**12**
PFMOAA	**19**	**20**	**22**	**14**	**16**
PFO2HxA	**14**	**14**	**19**	**14**	**15**
PFO3OA	**3.5**	**3.8**	**4.2**	**3.5**	**3.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**29**	**19**	**29**	**17**	**15**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**14 J**	**12 J**	<2.0	**5.7 J**
Hydrolyzed PSDA	**7.5 J**	**10 J**	**11 J**	**5.8 J**	**6.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**6.5**	**8.7**	**7.4**	**6.1**	**6.6**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**5.8**	**5.8**	**5.0**	**5.1**
Total Attachment C[1,2]	**79**	**68**	**94**	**62**	**61**
Total Table 3+ (17 compounds)[2,3]	**85**	**77**	**100**	**68**	**68**
Total Table 3+ (20 compounds)[2]	**93**	**100**	**120**	**73**	**80**

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

Sampling Event	Q4 2021	Q4 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-112921	CFR-TARHEEL-24-120221	CFR-TARHEEL-24-120621	CFR-TARHEEL-24-120921	CFR-TARHEEL-24-121321
Sample Date	11/29/2021	12/02/2021	12/06/2021	12/09/2021	12/13/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/29/21 12:01 AM	12/2/21 12:01 AM	12/6/21 12:01 AM	12/9/21 12:01 AM	12/13/21 12:01 AM
Sample Stop Date and Time	11/29/21 11:01 PM	12/2/21 11:01 PM	12/6/21 11:01 PM	12/9/21 11:01 PM	12/13/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-82422-1	320-82937-1	320-82937-1	320-82937-1	320-83383-1
Lab Sample ID	320-82422-2	320-82937-1	320-82937-2	320-82937-3	320-83383-1
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**4.5 J**	**6.0 J**	**30 J**	<2.0 UJ
PFMOAA	**14**	**27 J**	**26 J**	**37 J**	**6.4 J**
PFO2HxA	**13**	**16 J**	**15 J**	**22 J**	**8.2 J**
PFO3OA	**3.4**	**4.1 J**	**4.1 J**	**7.0 J**	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**13**	**13 J**	**13 J**	**20 J**	<10 UJ
PEPA	<20	<20 UJ	<20 UJ	<20 UJ	<20 UJ
PS Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**5.6 J**	**6.6 J**	**7.1 J**	**13 J**	<2.0 UJ
R-PSDCA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	**5.7**	<2.0 UJ	<2.0 UJ	<2.0 UJ	**5.2 J**
EVE Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PES	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**5.1**	**4.9 J**	**4.7 J**	**4.4 J**	**2.6 J**
Total Attachment C[1,2]	**56**	**65**	**64**	**120**	**15**
Total Table 3+ (17 compounds)[2,3]	**62**	**65**	**64**	**120**	**20**
Total Table 3+ (20 compounds)[2]	**68**	**71**	**71**	**130**	**20**

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

Sampling Event	Q4 2021	Q4 2021	Q4 2021	Q4 2021	Q4 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-121621	CFR-TARHEEL-24-122021	CFR-TARHEEL-24-122321	CFR-TARHEEL-24-122721	CFR-TARHEEL-24-123021
Sample Date	12/16/2021	12/20/2021	12/23/2021	12/27/2021	12/30/2021
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/16/21 12:01 AM	12/20/21 12:01 AM	12/23/21 12:01 AM	12/27/21 12:01 AM	12/30/21 12:01 AM
Sample Stop Date and Time	12/16/21 11:01 PM	12/20/21 11:01 PM	12/23/21 11:01 PM	12/27/21 11:01 PM	12/30/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-83383-1	320-83491-1	320-83491-1	320-83591-1	320-83591-1
Lab Sample ID	320-83383-2	320-83491-1	320-83491-2	320-83591-1	320-83591-2
Table 3+ SOP (ng/L)					
HFPO-DA	**6.5 J**	**14**	**7.7**	**12**	**12**
PFMOAA	**31 J**	**32**	**18**	**28**	**29**
PFO2HxA	**15 J**	**17**	**10**	**14**	**14**
PFO3OA	**3.6 J**	**4.8**	<2.0	**3.9**	**2.9**
PFO4DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PMPA	<10 UJ	**17**	**11**	**12**	**15**
PEPA	<20 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0 UJ	**11 J**	**14 J**	**5.9 J**	**4.9 J**
Hydrolyzed PSDA	<2.0 UJ	**6.2 J**	**6.5 J**	**8.9 J**	**5.7 J**
R-PSDCA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	**12 J**	**8.8**	**11**	**4.2**	**3.5**
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0 UJ	**2.4 J**	**2.0 J**	<2.0	<2.0
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.2 J**	**5.0**	**4.8**	**4.4**	**4.3**
Total Attachment C[1,2]	**56**	**85**	**47**	**70**	**73**
Total Table 3+ (17 compounds)[2,3]	**68**	**94**	**58**	**74**	**76**
Total Table 3+ (20 compounds)[2]	**68**	**110**	**80**	**89**	**87**

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-010222	CFR-TARHEEL-24-010322	CFR-TARHEEL-24-011122	CFR-TARHEEL-24-011322	CFR-TARHEEL-24-011922
Sample Date	01/02/2022	01/03/2022	01/11/2022	01/13/2022	01/19/2022
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	1/2/22 12:01 AM	1/3/22 12:01 AM	1/11/22 12:01 AM	1/13/22 12:01 AM	1/19/22 12:01 AM
Sample Stop Date and Time	1/2/22 11:01 PM	1/3/22 11:01 PM	1/11/22 11:01 PM	1/13/22 11:01 PM	1/19/22 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-83755-1	320-83755-1	320-83911-1	320-83911-1	320-84220-1
Lab Sample ID	320-83755-1	320-83755-2	320-83911-1	320-83911-2	320-84220-1
Table 3+ SOP (ng/L)					
HFPO-DA	**9.3**	**21**	**4.3**	**3.7**	**3.3**
PFMOAA	**16**	**28**	**10**	<2.0	**5.2**
PFO2HxA	**11**	**20**	**5.2**	**4.7**	**3.2**
PFO3OA	**2.7**	**5.3**	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**14**	**21**	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**6.2 J**	**2.8 J**	**2.0 J**	**3.0 J**
Hydrolyzed PSDA	**3.3 J**	**14 J**	**3.3 J**	**2.2 J**	**2.6 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.2**	**4.1**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.4**	**3.4**	**3.9**	**4.1**	**4.4**
Total Attachment C[1,2]	**53**	**95**	**20**	**8.4**	**12**
Total Table 3+ (17 compounds)[2,3]	**56**	**99**	**20**	**8.4**	**12**
Total Table 3+ (20 compounds)[2]	**60**	**120**	**26**	**13**	**17**

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-011922-D	CFR-TARHEEL-15-012022	CFR-TARHEEL-24-012522	CFR-TARHEEL-24-012822	CFR-TARHEEL-24-013122
Sample Date	01/19/2022	01/20/2022	01/25/2022	01/28/2022	01/31/2022
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	1/19/22 12:01 AM	1/20/22 12:01 AM	1/25/22 12:01 AM	1/28/22 12:01 AM	1/31/22 12:01 AM
Sample Stop Date and Time	1/19/22 11:01 PM	1/20/22 11:01 PM	1/25/22 11:01 PM	1/28/22 11:01 PM	1/31/22 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Delivery Group (SDG)	320-84220-1	320-84220-1	320-84487-1	320-84487-1	320-84700-1
Lab Sample ID	320-84220-2	320-84220-3	320-84487-1	320-84487-2	320-84700-1
Table 3+ SOP (ng/L)					
HFPO-DA	**3.5**	**2.9**	**4.2**	**4.8**	**6.6**
PFMOAA	**4.9**	**5.1**	<2.0	**8.0**	**13**
PFO2HxA	**4.0**	**3.1**	**3.7**	**5.0**	**7.1**
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	**10**	**13**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**2.1 J**	**2.8 J**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**2.9 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	**2.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.0**	**3.6**	**3.8**	**4.0**	**4.7**
Total Attachment C[1,2]	**12**	**11**	**7.9**	**28**	**40**
Total Table 3+ (17 compounds)[2,3]	**12**	**11**	**7.9**	**28**	**43**
Total Table 3+ (20 compounds)[2]	**15**	**14**	**7.9**	**28**	**45**

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-020322	CFR-TARHEEL-24-020722	CFR-TARHEEL-24-020722-D	CFR-TARHEEL-24-021122	CFR-TARHEEL-24-021422
Sample Date	02/03/2022	02/07/2022	02/07/2022	02/11/2022	02/14/2022
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	2/3/22 12:01 AM	2/7/22 12:01 AM	2/7/22 12:01 AM	2/11/22 12:01 AM	2/14/22 12:01 AM
Sample Stop Date and Time	2/3/22 11:01 PM	2/7/22 11:01 PM	2/7/22 11:01 PM	2/11/22 11:01 PM	2/14/22 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC			Field Duplicate		
Sample Delivery Group (SDG)	320-84700-1	320-84700-1	320-84700-1	320-85103-1	320-85103-1
Lab Sample ID	320-84700-2	320-84700-3	320-84700-4	320-85103-1	320-85103-2
Table 3+ SOP (ng/L)					
HFPO-DA	**8.3**	**4.3**	**4.4**	**3.6**	**5.3**
PFMOAA	**19**	**9.0**	**9.4**	**5.5 J**	**7.7**
PFO2HxA	**11**	**4.8**	**5.1**	**3.6**	**7.3**
PFO3OA	**3.7**	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**15**	**12**	**11**	<10	**11**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**3.0 J**	<2.0	<2.0
Hydrolyzed PSDA	**3.8 J**	**2.1 J**	**2.4 J**	<2.0	**2.3 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**2.7**	**4.0**	**3.9**	<2.0	**3.3**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.9**	**4.6**	**4.8**	**4.2**	**3.5**
Total Attachment C[1,2]	**57**	**30**	**30**	**13**	**31**
Total Table 3+ (17 compounds)[2,3]	**60**	**34**	**34**	**13**	**35**
Total Table 3+ (20 compounds)[2]	**64**	**36**	**39**	**13**	**37**

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-021822	CFR-TARHEEL-24-022622	CFR-TARHEEL-24-022722	CFR-TARHEEL-24-022822	CFR-TARHEEL-24-030322
Sample Date	02/18/2022	02/26/2022	02/27/2022	02/28/2022	03/03/2022
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	2/18/22 12:01 AM	2/26/22 12:01 AM	2/27/22 12:01 AM	2/28/22 12:01 AM	3/3/22 12:01 AM
Sample Stop Date and Time	2/18/22 11:01 PM	2/26/22 11:01 PM	2/27/22 11:01 PM	2/28/22 11:01 PM	3/3/22 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Delivery Group (SDG)	320-85290-1	320-85290-1	320-85290-1	320-85290-1	320-85714-1
Lab Sample ID	320-85290-1	320-85290-3	320-85290-2	320-85290-4	320-85714-1
Table 3+ SOP (ng/L)					
HFPO-DA	<2.0	<2.0	<2.0	<2.0	**2.9**
PFMOAA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO2HxA	**5.6 J**	**7.0**	**3.8**	<2.0	**3.9**
PFO3OA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	**12 J**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**2.0 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0 UJ	<2.0	<2.0	<2.0	**5.1**
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	**4.7 J**
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**3.4**	**3.2**	<2.0	**4.8**
Total Attachment C[1,2]	**5.6**	**7.0**	**3.8**	ND	**6.8**
Total Table 3+ (17 compounds)[2,3]	**5.6**	**7.0**	**3.8**	ND	**12**
Total Table 3+ (20 compounds)[2]	**5.6**	**7.0**	**3.8**	ND	**31**

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-030722	CFR-TARHEEL-24-031022	CFR-TARHEEL-24-031022-D	CFR-TARHEEL-031722	CFR-TARHEEL-031822
Sample Date	03/07/2022	03/10/2022	03/10/2022	03/17/2022	03/18/2022
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	3/7/22 12:01 AM	3/10/22 12:01 AM	3/10/22 12:01 AM	3/17/22 12:30 PM	3/18/22 9:00 AM
Sample Stop Date and Time	3/7/22 11:01 PM	3/10/22 11:01 PM	3/10/22 11:01 PM	3/17/22 12:30 PM	3/18/22 9:00 AM
Composite Duration (hours)	24	24	24	24	24
QA/QC			Field Duplicate		
Sample Delivery Group (SDG)	320-85714-1	320-85714-1	320-85714-1	320-85968-1	320-85968-1
Lab Sample ID	320-85714-2	320-85714-3	320-85714-4	320-85968-1	320-85968-2
Table 3+ SOP (ng/L)					
HFPO-DA	**6.8**	**7.0**	**7.4**	**2.1**	<2.0
PFMOAA	**11**	**12 J**	**12**	<2.0	<2.0
PFO2HxA	**8.2**	**9.4**	**9.8**	**2.6**	<2.0
PFO3OA	**2.0**	**2.3**	**2.6**	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**10**	**11**	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**11 J**	**9.8 J**	**10 J**	<2.0	<2.0
Hydrolyzed PSDA	**2.9 J**	**3.5 J**	**3.6 J**	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.7**	**6.8**	**7.3**	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.8 J**	**5.2 J**	**5.5 J**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**4.5**	**4.4**	**3.4**	**3.5**
Total Attachment C[1,2]	**28**	**41**	**43**	**4.7**	ND
Total Table 3+ (17 compounds)[2,3]	**34**	**48**	**50**	**4.7**	ND
Total Table 3+ (20 compounds)[2]	**52**	**66**	**69**	**4.7**	ND

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

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032322	CFR-TARHEEL-032422	CFR-TARHEEL-24-032922	CFR-TARHEEL-24-033122
Sample Date	03/23/2022	03/24/2022	03/29/2022	03/31/2022
Sample Type	Composite	Grab	Composite	Composite
Sample Start Date and Time	3/23/22 12:01 AM	3/24/22 1:05 PM	3/29/22 12:01 AM	3/31/22 12:01 AM
Sample Stop Date and Time	3/23/22 11:01 PM	3/24/22 1:05 PM	3/29/22 11:01 PM	3/31/22 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-86394-1	320-86394-1	320-86394-1	320-86394-1
Lab Sample ID	320-86394-1	320-86394-2	320-86394-3	320-86394-4
Table 3+ SOP (ng/L)				
HFPO-DA	**3.5**	**3.0**	**2.3**	**2.9**
PFMOAA	**8.9**	**3.2**	**3.1**	**3.5**
PFO2HxA	**4.6**	**3.2**	**2.6**	**3.4**
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	<10	<10
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	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<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	**3.0**	**3.1**	**3.9**	**3.6**
Total Attachment C[1,2]	**17**	**9.4**	**8.0**	**9.8**
Total Table 3+ (17 compounds)[2,3]	**17**	**9.4**	**8.0**	**9.8**
Total Table 3+ (20 compounds)[2]	**17**	**9.4**	**8.0**	**9.8**

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	EB	EB	EB	FBLK
Field Sample ID	CFR-EQBLK-1-040820	CFR-TARHEEL-EB-052520	CFR-TARHEEL-EB-060120	CFR-TARHEEL-FB-052520
Sample Date	4/8/2020	5/25/2020	6/1/2020	5/25/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Field Blank
Sample Delivery Group (SDG)	320-60098-1	320-61296-1	320-61452-1	320-61296-1
Lab Sample ID	320-60098-5	320-61296-4	320-61452-4	320-61296-3
Table 3+ SOP (ng/L)				
HFPO-DA	<4	<2	<2	<2
PFMOAA	<5	<5	<2	<5
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	**4.1**	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<13	<10
PEPA	<20	<20	<2	<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	<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	--	--	--
Total Attachment C[1,2]	ND	ND	**4.1**	ND
Total Table 3+ (17 compounds)[2,3]	ND	ND	**4.1**	ND
Total Table 3+ (20 compounds)[2]	ND	ND	**4.1**	ND

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

Sampling Event	Q2 2020	Q3 2020	Q1 2022
Location ID	**FBLK**	**EB**	**EB**
Field Sample ID	**CFR-TARHEEL-FB-060120**	**CAP3Q20-EQBLK-ISCO-072920**	**CFR-TARHEEL-EB-031822**
Sample Date	**6/1/2020**	**7/29/2020**	**3/18/2022**
Sample Type	**Grab**	**Grab**	**Grab**
Sample Start Date and Time	-	-	-
Sample Stop Date and Time	-	-	-
Composite Duration (hours)	-	-	-
QA/QC	**Field Blank**	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-61452-1**	**320-63228-1**	**320-85968-1**
Lab Sample ID	**320-61452-3**	**320-63228-4**	**320-85968-3**
Table 3+ SOP (ng/L)			
HFPO-DA	<2	<2	<2.0
PFMOAA	<2	<2	<2.0
PFO2HxA	<2	<2	<2.0
PFO3OA	<2	<2	<2.0
PFO4DA	<2	<2	<2.0
PFO5DA	<2	<2	<2.0
PMPA	<13	<20	<10
PEPA	<2	<10	<20
PS Acid	<2	<2	<2.0
Hydro-PS Acid	<2	<2	<2.0
R-PSDA	<2	<2 UJ	<2.0
Hydrolyzed PSDA	<2	<2 UJ	<2.0
R-PSDCA	<2	<2	<2.0
NVHOS	<2	<2	<2.0
EVE Acid	<2	<2	<2.0
Hydro-EVE Acid	<2	<2	<2.0
R-EVE	<2	<2 UJ	<2.0
PES	<2	<2	<2.0
PFECA B	<2	<2	<2.0
PFECA-G	<2	<2	<2.0
Perfluoroheptanoic Acid	<2 UJ	<2	<2.0
Total Attachment C[1,2]	ND	ND	ND
Total Table 3+ (17 compounds)[2,3]	ND	ND	ND
Total Table 3+ (20 compounds)[2]	ND	ND	ND

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).
2 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.
3 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.
4 - Samples collected on November 24 and 26, 2020 were reanalyzed via method Table 3+ SOP. These reanalysis results were used in mass loading calculations.
5 - Samples collected on February 22, 24, and 25, 2021 were reanalyzed via modified method 537 Max. These reanalysis results were used in mass loading calculations.
6 - Samples collected on March 24 and 25, 2021 were reanalyzed and via modified method 537 Max (filtered and unfiltered). The unfiltered reanalysis results were used in mass loading calculations.
7 - Battery failure caused sampling to stop after 21 cycles.
8 - Sample collected on May 26, 2021 were reanalyzed and via modified method 537 Max (filtered and unfiltered). These reanalysis results are used in mass loading calculations.
9 - Samples collected at CFR-TARHEEL on August 19 and August 20, 2021 were reanalyzed. The reanalyzed results were used in mass loading calculations.

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL
Field Sample ID	**CAP1Q22-CFR-BLADEN-012622**	**CAP1Q22-CFR-KINGS-012822**	**CAP1Q22-CFR-RM-76-012622**	**CAP1Q22-CFR-TARHEEL-012622**
Sample Date	**1/26/2022**	**1/28/2022**	**1/26/2022**	**01/26/2022**
QA/QC				
Sample Delivery Group (SDG)	**320-84289-1**	**320-84490-1**	**320-84289-1**	**320-84289-1**
Lab Sample ID	**320-84289-4**	**320-84490-1**	**320-84289-3**	**320-84289-5**
Table 3+ SOP (ng/L)				
HFPO-DA	**4.3**	**3.5**	<2.0	**4.4**
PFMOAA	**6.6**	**6.4**	<2.0	**6.7**
PFO2HxA	**4.9**	**4.4**	<2.0	**4.9**
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**	<10	<10
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	<2.0	<2.0
Hydrolyzed PSDA	**3.5 J**	<2.0	<2.0	**3.1 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<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	**3.7**	**3.0**	**4.6**	**4.4**
Total Attachment C[1,2]	**16**	**24**	ND	**16**
Total Table 3+ (17 compounds)[2,3]	**16**	**24**	ND	**16**
Total Table 3+ (20 compounds)[2]	**19**	**24**	ND	**19**

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	GBC-1	Lock-Dam Seep	Lock-Dam Seep[4]
Field Sample ID	CAP1Q22-CFR-TARHEEL-24-012722	CAP1Q22-GBC-1-012622	CAP1Q22-LOCK-DAM-SEEP-012622	CAP1Q22-LOCK-DAM-SEEP-012622
Sample Date	1/27/2022	1/26/2022	1/26/2022	01/26/2022
QA/QC				
Sample Delivery Group (SDG)	320-84295-1	320-84289-1	320-84289-1	320-84289-2
Lab Sample ID	320-84295-1	320-84289-2	320-84289-1	320-84289-1
Table 3+ SOP (ng/L)				
HFPO-DA	**4.2**	**430**	**8,100 J**	**8,300 J**
PFMOAA	**6.8**	**46**	**49,000 J**	**77,000 J**
PFO2HxA	**5.2**	**220**	**16,000 J**	**24,000 J**
PFO3OA	<2.0	**34**	**5,100 J**	**10,000 J**
PFO4DA	<2.0	**12**	**1,300**	**1,700 J**
PFO5DA	<2.0	<2.0	**66**	**88 J**
PMPA	<10	**490**	**5,800 J**	**6,600 J**
PEPA	<20	**150**	**2,000**	**2,300 J**
PS Acid	<2.0	<2.0	<2.0	<20 UJ
Hydro-PS Acid	<2.0	**16**	**100**	**130 J**
R-PSDA	<2.0	**15 J**	**570 J**	**570 J**
Hydrolyzed PSDA	**3.0 J**	<2.0	**760 J**	**630 J**
R-PSDCA	<2.0	<2.0	**6.5**	<17 UJ
NVHOS	**2.1**	**3.1**	**980**	**1,100 J**
EVE Acid	<2.0	<2.0	<2.0	<17 UJ
Hydro-EVE Acid	<2.0	<2.0	**95**	**120 J**
R-EVE	<2.0	**6.5 J**	**170 J**	**250 J**
PES	<2.0	<2.0	<2.0	<6.7 UJ
PFECA B	<2.0	<2.0	<2.0	<27 UJ
PFECA-G	<2.0	<2.0	<2.0	<48 UJ
Perfluoroheptanoic Acid	**4.3**	<2.0	**68**	<94 UJ
Total Attachment C[1,2]	**16**	**1,400**	**87,000**	**130,000**
Total Table 3+ (17 compounds)[2,3]	**18**	**1,400**	**89,000**	**130,000**
Total Table 3+ (20 compounds)[2]	**21**	**1,400**	**90,000**	**130,000**

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	OLDOF-1	OUTFALL 002	Intake at Facility	SEEP-A-EFF[5]
Field Sample ID	CAP1Q22-OLDOF-1-19-012722	CAP1Q22-OUTFALL-002-21-012722	RIVER-WATER-INTAKE2-17-012722	SEEP-A-EFFLUENT-276-013122
Sample Date	1/27/2022	1/27/2022	1/27/2022	1/31/2022
QA/QC				
Sample Delivery Group (SDG)	320-84291-1	320-84291-1	320-84289-1	320-84467-1
Lab Sample ID	320-84291-6	320-84291-5	320-84289-6	320-84467-8
Table 3+ SOP (ng/L)				
HFPO-DA	**200**	**49**	**18**	**4,900**
PFMOAA	**560**	**27**	**16**	**12,000**
PFO2HxA	**270**	**22**	**14**	**6,400**
PFO3OA	**99**	**4.5**	**2.4**	**2,300**
PFO4DA	**40**	<2.0	<2.0	**1,300**
PFO5DA	**15**	<2.0	<2.0	**620**
PMPA	**130**	**30**	**22**	**2,900**
PEPA	**47**	<20	<20	**1,000**
PS Acid	<2.0	<2.0	<2.0	**450**
Hydro-PS Acid	**6.1**	<2.0	<2.0	**220**
R-PSDA	**5.6 J**	**5.1 J**	<2.0	**340 J**
Hydrolyzed PSDA	**8.8 J**	**19 J**	**5.7 J**	**3,600 J**
R-PSDCA	<2.0	<2.0	<2.0	**7.1**
NVHOS	**11**	**2.4**	<2.0	**200**
EVE Acid	<2.0	<2.0	<2.0	**63**
Hydro-EVE Acid	**3.2**	<2.0	<2.0	**250**
R-EVE	**2.1 J**	<2.0	<2.0	**150 J**
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.7
PFECA-G	<2.0	<2.0	<2.0	<4.8
Perfluoroheptanoic Acid	<2.0	**4.2**	**3.2**	--
Total Attachment C[1,2]	**1,400**	**130**	**72**	**32,000**
Total Table 3+ (17 compounds)[2,3]	**1,400**	**130**	**72**	**33,000**
Total Table 3+ (20 compounds)[2]	**1,400**	**160**	**78**	**37,000**

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B-EFF	SEEP-C-EFF[6]	SEEP-D-EFF
Field Sample ID	CAP1Q22-SEEP-B-EFF-24-012722	SEEP-C-EFFLUENT-156-013122	CAP1Q22-SEEP-D-EFF-24-012722
Sample Date	1/27/2022	1/31/2022	1/27/2022
QA/QC			
Sample Delivery Group (SDG)	320-84289-1	320-84467-1	320-84291-1
Lab Sample ID	320-84289-8	320-84467-6	320-84291-4
Table 3+ SOP (ng/L)			
HFPO-DA	**13**	**210**	<2.0
PFMOAA	**130**	**350**	**3.6**
PFO2HxA	**14**	**110**	<2.0
PFO3OA	**2.4**	**29**	<2.0
PFO4DA	<2.0	**11**	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	**47**	**190**	<10
PEPA	<20	**45**	<20
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	**2.4**	<2.0
R-PSDA	<2.0	**22 J**	<2.0
Hydrolyzed PSDA	**10 J**	**20 J**	<2.0
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	<2.0	**3.3**	<2.0
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	**9.1**	<2.0
R-EVE	<2.0	**21 J**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.4**	--	<2.0
Total Attachment C[1,2]	**210**	**950**	**3.6**
Total Table 3+ (17 compounds)[2,3]	**210**	**960**	**3.6**
Total Table 3+ (20 compounds)[2]	**220**	**1,000**	**3.6**

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	WC-1	WC-1	EB
Field Sample ID	CAP1Q22-WC-1-24-012722	CAP1Q22-WC-1-24-012722-D	CAP1Q22-EQBLK-IS-012722
Sample Date	1/27/2022	1/27/2022	1/27/2022
QA/QC		Field Duplicate	Equipment Blank
Sample Delivery Group (SDG)	320-84291-1	320-84291-1	320-84295-1
Lab Sample ID	320-84291-1	320-84291-2	320-84295-2
Table 3+ SOP (ng/L)			
HFPO-DA	**310**	**320**	<2.0
PFMOAA	**420**	**430**	<2.0
PFO2HxA	**280**	**280**	<2.0
PFO3OA	**50**	**49**	<2.0
PFO4DA	**11**	**10**	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	**330**	**330**	<10
PEPA	**87**	**85**	<20
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	**7.9**	**8.1**	<2.0
R-PSDA	**17 J**	**18 J**	<2.0
Hydrolyzed PSDA	**100 J**	**96 J**	<2.0
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	**9.9**	**9.5**	<2.0
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	**3.8**	**3.6**	<2.0
R-EVE	**9.6 J**	**8.9 J**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.1**	<2.0	<2.0
Total Attachment C[1,2]	**1,500**	**1,500**	ND
Total Table 3+ (17 compounds)[2,3]	**1,500**	**1,500**	ND
Total Table 3+ (20 compounds)[2]	**1,600**	**1,600**	ND

TABLE A2-1
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	EB	FBLK
Field Sample ID	**CAP1Q22-EQBLK-PP-012722**	**CAP1Q22-FBLK-012722**
Sample Date	**1/27/2022**	**1/27/2022**
QA/QC	**Equipment Blank**	**Filed Blank**
Sample Delivery Group (SDG)	**320-84295-1**	**320-84295-1**
Lab Sample ID	**320-84295-3**	**320-84295-4**
Table 3+ SOP (ng/L)		
HFPO-DA	<2.0	<2.0
PFMOAA	<2.0	<2.0
PFO2HxA	<2.0	<2.0
PFO3OA	<2.0	<2.0
PFO4DA	<2.0	<2.0
PFO5DA	<2.0	<2.0
PMPA	<10	<10
PEPA	<20	<20
PS Acid	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0
R-PSDA	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0
R-PSDCA	<2.0	<2.0
NVHOS	<2.0	<2.0
EVE Acid	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0
R-EVE	<2.0	<2.0
PES	<2.0	<2.0
PFECA B	<2.0	<2.0
PFECA-G	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Total Attachment C[1,2]	ND	ND
Total Table 3+ (17 compounds)[2,3]	ND	ND
Total Table 3+ (20 compounds)[2]	ND	ND

Notes:

Bold - Analyte detected above associated reporting limit

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.

-- - Data not available

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

2 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.

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

4 - The sample collected at Lock Dam Seep on January 26, 2022 was reanalyzed. Following data quality review, the reanalyzed result was used in mass loading calculations.

5 - Samples collected at Seep A on January 31, 2022 were used for mass loading calculations due to maintenance activities occuring at Seep A.

6 - Samples collected at Seep C on January 31, 2022 were used for mass loading calculations due to clogging at Seep C Flow through cell.

TABLE A2-2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP1Q22-CFR-BLADEN-012622	CAP1Q22-CFR-KINGS-012822	CAP1Q22-CFR-RM-76-012622	CAP1Q22-CFR-TARHEEL-012622	CAP1Q22-CFR-TARHEEL-24-012722
Sample Date	01/26/2022	01/28/2022	01/26/2022	01/26/2022	01/27/2022
QA/QC					
Sample Delivery Group (SDG)	320-84289-1	320-84490-1	320-84289-1	320-84289-1	320-84295-1
Lab Sample ID	320-84289-4	320-84490-1	320-84289-3	320-84289-5	320-84295-1
537 Mod (ng/L)					
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**7.4**	**6.7**	**7.9**	**7.9**	**7.9**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**6.9**	**6.4**	**6.9**	**7.1**	**6.9**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**6.6**	**6.2**	**6.6**	**6.7**	**7.2**

TABLE A2-2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	GBC-1	Lock-Dam Seep	OLDOF-1	OUTFALL 002	Intake at Facility
Field Sample ID	CAP1Q22-GBC-1-012622	CAP1Q22-LOCK-DAM-SEEP-012622	CAP1Q22-OLDOF-1-19-012722	CAP1Q22-OUTFALL-002-21-012722	RIVER-WATER-INTAKE2-17-012722
Sample Date	01/26/2022	01/26/2022	01/27/2022	01/27/2022	01/27/2022
QA/QC					
Sample Delivery Group (SDG)	320-84289-1	320-84289-1	320-84291-1	320-84291-1	320-84289-1
Lab Sample ID	320-84289-2	320-84289-1	320-84291-6	320-84291-5	320-84289-6
537 Mod (ng/L)					
Perfluorobutanoic Acid	**6.3**	**70**	<5.0	<5.0	<5.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**2.1**	**17**	<2.0	**7.1**	**7.4**
Perfluorononanoic Acid	<2.0	**3.0**	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**5.6**	**430**	**4.4**	**7.2**	**7.3**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**2.1**	**22**	<2.0	**7.0**	**5.7**

TABLE A2-2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-A-EFF[1]	SEEP-B-EFF	SEEP-C-EFF[2]	SEEP-D-EFF	WC-1
Field Sample ID	SEEP-A-EFFLUENT-276-013122	CAP1Q22-SEEP-B-EFF-24-012722	SEEP-C-EFFLUENT-156-013122	CAP1Q22-SEEP-D-EFF-24-012722	CAP1Q22-WC-1-24-012722
Sample Date	1/31/2022	01/27/2022	1/31/2022	01/27/2022	01/27/2022
QA/QC					
Sample Delivery Group (SDG)	320-84467-1	320-84289-1	320-84467-1	320-84291-1	320-84291-1
Lab Sample ID	320-84467-8	320-84289-8	320-84467-6	320-84291-4	320-84291-1
537 Mod (ng/L)					
Perfluorobutanoic Acid	--	**13**	--	<5.0	<5.0
Perfluorodecanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluorododecanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	--	<2.0	--	<2.0	<2.0
Perfluorohexanoic Acid	--	**2.3**	--	<2.0	**2.6**
Perfluorononanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluorooctadecanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluoropentanoic Acid	--	**33**	--	<2.0	**6.4**
Perfluorotetradecanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluorotridecanoic Acid	--	<2.0	--	<2.0	<2.0
Perfluoroundecanoic Acid	--	<2.0	--	<2.0	<2.0
PFOA	--	**2.2**	--	<2.0	**4.6**

TABLE A2-2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	WC-1	EB	EB	FBLK
Field Sample ID	CAP1Q22-WC-1-24-012722-D	CAP1Q22-EQBLK-IS-012722	CAP1Q22-EQBLK-PP-012722	CAP1Q22-FBLK-012722
Sample Date	01/27/2022	01/27/2022	01/27/2022	01/27/2022
QA/QC	Field Duplicate	Equipment Blank	Equipment Blank	Filed Blank
Sample Delivery Group (SDG)	320-84291-1	320-84295-1	320-84295-1	320-84295-1
Lab Sample ID	320-84291-2	320-84295-2	320-84295-3	320-84295-4
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**3.0**	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**6.2**	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0
PFOA	**4.6**	<2.0	<2.0	<2.0

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

1 - Samples collected at Seep A on January 31, 2022 were used for mass loading calculations due to maintenance activities occuring at Seep A.The samples collected at Seep A on January 31, 2022 were not analyzed for Mod 537 analysis.

2 - Samples collected at Seep C on January 31, 2022 were used for mass loading calculations due to clogging at Seep C Flow through cell.The samples collected at Seep C on January 31, 2022 were not analyzed for Mod 537 analysis.

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

Pathway / Location	January 2022		
	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)
Upstream River Water and Groundwater[2]	01/26/2022	6,680	2,998,202
Willis Creek	01/27/2022	11	4,935
Outfall 002	01/27/2022	22	9,989
Seep A[4]	01/27/2022	0.47	210
Seep B[5]	01/27/2022	0.41	184
Seep C	01/27/2022	0.10	43
Seep D	01/27/2022	0.20	88
Lock and Dam Seep	01/26/2022	0.021	9.2
Old Outfall 002	01/27/2022	1.3	569
Georgia Branch Creek	01/26/2022	4.9	2,198
TARHEEL[6]	01/27/2022	6,316	2,716,731
TARHEEL[7]	01/26/2022	6,560	2,944,342
CFR-BLADEN[8]	01/26/2022	6,560	2,944,342
CFR-KINGS[9]	01/28/2022	5,350	2,401,254

Notes

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

2 - 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.

3 - There was no flow to the Stormwater Treatment System during the January 2022 sampling event, therefore a sample was not collected and flow was not measured at this location for that month.

4 - In January 2022, flows could not be measured at Seep A due to flume damage and channel blockage resulting from a 4-inch rainfall. Instantaneous flows were estimated using median wet weather flows measured at Seep A during Q1 2020 (Geosyntec, 2021b).

5 - The flume installed at Seep B were over-flooded due to the high river levels during the sampling days. For this reason, the flows recorded by the flow through cell installed at Seep B were used instead of the flows recorded by the flume installed at Seep B.

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, 2022.

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.

ft^3/s - cubic feet per second
gpm - gallon per minute

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-BLADEN	1/26/2022	7.2	12	105	30	131	6.2
CFR-KINGS	1/28/2022	7.3	11	110	21	94	7.7
CFR-RM-76	1/26/2022	6.2	10	252	19	131	4.7
CFR-TARHEEL	1/26/2022	7.2	12	136	85	129	5.9
GBC-1	1/26/2022	4.7	10	290	0.68	112	8.9
LOCK-DAM-NORTH[1]	1/26/2022	--	--	--	--	--	--
LOCK-DAM-SEEP	1/26/2022	5.8	10	152	7.0	145	8.5
OLDOF-1	1/27/2022	6.9	10	215	3.0	174	11.1
OUTFALL 002	1/27/2022	7.0	11	116	24	168	10.6
INTAKE AT FACILITY	1/27/2022	6.6	11	227	23	127	8.0
SEEP-A-EFF	1/27/2022	5.8	11	156	12	203	8.7
SEEP-B-EFF	1/27/2022	6.5	4.9	156	0	85	10.0
SEEP-C-EFF	1/27/2022	6.6	8.7	116	187	93	11.4
SEEP-D-EFF	1/27/2022	5.5	4.3	229	0	104	10.2
WC-1	1/27/2022	5.3	11	234	19	77	8.9

Notes:
1 - Lock and Dam North was inaccessible due to river height.

-- - not measured
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
S.U. - Standard Units

TABLE A5-1
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	CAP1Q22-LTW-01-012522	CAP1Q22-LTW-02-012522	CAP1Q22-LTW-03-012522	CAP1Q22-LTW-04-011822
Sample Date	01/25/2022	01/25/2022	01/25/2022	01/18/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84292-1	320-84292-1	320-84177-1
Lab Sample ID	320-84292-7	320-84292-8	320-84292-9	320-84177-6
Table 3+ SOP (ng/L)				
HFPO-DA	**21,000**	**8,300**	**11,000**	**23,000**
PFMOAA	**24,000**	**20,000**	**100,000**	**59,000**
PFO2HxA	**22,000**	**11,000**	**30,000**	**25,000**
PFO3OA	**5,000**	**2,600**	**4,800**	**4,200**
PFO4DA	**970**	**210**	**160**	**590**
PFO5DA	**140**	<78	<78	<78
PMPA	**16,000**	**5,400**	**11,000**	**18,000**
PEPA	**5,500**	**1,400**	**2,600**	**6,400**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**220**	<6.1	**22**	**170**
R-PSDA	**680 J**	**310 J**	**570 J**	**2,100 J**
Hydrolyzed PSDA	**480 J**	**690 J**	**3,100 J**	**4,500 J**
R-PSDCA	<17	<17	<17	<17
NVHOS	**370**	**250**	**980**	**1,400**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**100**	**37**	**39**	**530**
R-EVE	**460 J**	**220 J**	**320 J**	**1,900 J**
PES	<6.7	<6.7	<6.7	**6.8**
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**40**	**12**	**20**	**110**
Total Attachment C[2,3]	**95,000**	**49,000**	**160,000**	**140,000**
Total Table 3+ (17 compounds)[3,4]	**95,000**	**49,000**	**160,000**	**140,000**
Total Table 3+ (20 compounds)[3]	**97,000**	**50,000**	**160,000**	**150,000**

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	LTW-05	PIW-1D	PIW-1D	PIW-1S
Field Sample ID	CAP1Q22-LTW-05-011822	CAP1Q22-PIW-1D-012422	CAP1Q22-PIW-1D-012422-D	CAP1Q22-PIW-1S-012422
Sample Date	01/18/2022	01/24/2022	01/24/2022	01/24/2022
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-84177-1	320-84292-1	320-84292-1	320-84292-1
Lab Sample ID	320-84177-7	320-84292-1	320-84292-2	320-84292-3
Table 3+ SOP (ng/L)				
HFPO-DA	**13,000**	**9,000**	**9,600**	**12,000**
PFMOAA	**110,000**	**8,000**	**8,500**	**3,300**
PFO2HxA	**30,000**	**7,100**	**7,500**	**7,600**
PFO3OA	**7,200**	**1,200**	**1,300**	**1,300**
PFO4DA	**1,900**	**360**	**410**	**340**
PFO5DA	<78	<78	<78	<78
PMPA	**3,200**	**7,100**	**8,100**	**9,500**
PEPA	**480**	**2,200**	**2,300**	**3,400**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**170**	**77**	**74**	**130**
R-PSDA	**430 J**	**270 J**	**240 J**	**490 J**
Hydrolyzed PSDA	**780 J**	<38	<38	<38
R-PSDCA	**18**	<17	<17	<17
NVHOS	**860**	**100**	**99**	**48**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**670**	**26**	**28**	**30**
R-EVE	**450 J**	**160 J**	**170 J**	**340 J**
PES	**8.1**	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**280**	**16**	**17**	**19**
Total Attachment C[2,3]	**170,000**	**35,000**	**38,000**	**38,000**
Total Table 3+ (17 compounds)[3,4]	**170,000**	**35,000**	**38,000**	**38,000**
Total Table 3+ (20 compounds)[3]	**170,000**	**36,000**	**38,000**	**38,000**

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer
Location ID	PIW-3D	PIW-7D	PIW-7S	PW-04
Field Sample ID	CAP1Q22-PIW-3D-012522	CAP1Q22-PIW-7D-011822	CAP1Q22-PIW-7S-011822	CAP1Q22-PW-04-012522
Sample Date	01/25/2022	01/18/2022	01/18/2022	01/25/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84177-1	320-84177-1	320-84292-1
Lab Sample ID	320-84292-10	320-84177-4	320-84177-3	320-84292-5
Table 3+ SOP (ng/L)				
HFPO-DA	**11,000**	**15,000**	**12,000**	**1,200**
PFMOAA	**4,600**	**120,000**	**11,000**	**300**
PFO2HxA	**7,800**	**34,000**	**7,500**	**910**
PFO3OA	**1,500**	**5,200**	**2,400**	**370**
PFO4DA	**690**	**1,300**	**380**	**71**
PFO5DA	**100**	<78	<78	<78
PMPA	**8,600**	**4,000**	**6,500**	**800**
PEPA	**2,800**	**780**	**2,400**	**380**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**150**	**120**	**200**	**30**
R-PSDA	**320 J**	**570 J**	**720 J**	<71
Hydrolyzed PSDA	<38	**1,100 J**	**81 J**	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**68**	**990**	**480**	<15
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**37**	**390**	**310**	<14
R-EVE	**170 J**	**680 J**	**800 J**	<72
PES	<6.7	**7.8**	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**26**	**130**	<94	**6.9**
Total Attachment C[2,3]	**37,000**	**180,000**	**42,000**	**4,100**
Total Table 3+ (17 compounds)[3,4]	**37,000**	**180,000**	**43,000**	**4,100**
Total Table 3+ (20 compounds)[3]	**38,000**	**180,000**	**45,000**	**4,100**

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PW-04	PW-06	PW-07	PW-07
Field Sample ID	CAP1Q22-PW-04-012522-Z	CAP1Q22-PW-06-011322	CAP1Q22-PW-07-012722	CAP1Q22-PW-07-012722-Z
Sample Date	01/25/2022	01/13/2022	01/27/2022	01/27/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84177-1	320-84488-1	320-84488-1
Lab Sample ID	320-84292-6	320-84177-1	320-84488-1	320-84488-2
Table 3+ SOP (ng/L)				
HFPO-DA	**1,000**	**1,600**	**620**	**600**
PFMOAA	**290**	<80	<80	<80
PFO2HxA	**920**	**630**	**520**	**540**
PFO3OA	**390**	**190**	**66**	**81**
PFO4DA	<59	<59	**74**	**61**
PFO5DA	<78	<78	<78	<78
PMPA	**1,500**	**960**	**900**	**810**
PEPA	**390**	**420**	**160**	**150**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	<6.1	**26**	<6.1	<6.1
R-PSDA	<71	<71	<71	<71
Hydrolyzed PSDA	<38	**48 J**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	<15	**73**	<15	<15
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	<14	<14	<14	<14
R-EVE	<72	<72	<72	<72
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**6.6**	<94	**3.5**	**4.0**
Total Attachment C[2,3]	**4,500**	**3,800**	**2,300**	**2,200**
Total Table 3+ (17 compounds)[3,4]	**4,500**	**3,900**	**2,300**	**2,200**
Total Table 3+ (20 compounds)[3]	**4,500**	**3,900**	**2,300**	**2,200**

TABLE A5-1
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**	**PW-09**	**PZ-22**	**SMW-10**
Field Sample ID	**CAP1Q22-PW-09-010722**	**CAP1Q22-PW-09-010722-Z**	**CAP1Q22-PZ-22-011822**	**CAP1Q22-SMW-10-010722**
Sample Date	**01/07/2022**	**01/07/2022**	**01/18/2022**	**01/07/2022**
QA/QC				
Sample Delivery Group (SDG)	**320-83801-1**	**320-83801-1**	**320-84177-1**	**320-83801-1**
Lab Sample ID	**320-83801-1**	**320-83801-2**	**320-84177-5**	**320-83801-6**
Table 3+ SOP (ng/L)				
HFPO-DA	<81	<81	**12,000**	<2.0
PFMOAA	<80	<80	**130,000**	**70**
PFO2HxA	<27	<27	**33,000**	**6.0**
PFO3OA	<39	<39	**3,200**	<2.0
PFO4DA	<59	<59	<59	<2.0
PFO5DA	<78	<78	<78	<2.0
PMPA	<620	<620	**4,000**	**15**
PEPA	<20	<20	**1,000**	<20
PS Acid	<20	<20	<20	<2.0
Hydro-PS Acid	<6.1	<6.1	<6.1	<2.0
R-PSDA	<71	<71	**380 J**	<2.0
Hydrolyzed PSDA	<38	<38	**700 J**	<2.0
R-PSDCA	<17	<17	<17	<2.0
NVHOS	**71 J**	**52**	**960**	<2.0
EVE Acid	<17	<17	<17	<2.0
Hydro-EVE Acid	<14	<14	**30**	<2.0
R-EVE	<72	<72	**310 J**	<2.0
PES	<6.7	<6.7	<6.7	<2.0
PFECA B	<27	<27	<27	<2.0
PFECA-G	<48	<48	<48	<2.0
Perfluoroheptanoic Acid	<94	<94	<94	<2.0
Total Attachment C[2,3]	ND	ND	**180,000**	**91**
Total Table 3+ (17 compounds)[3,4]	**71**	**52**	**180,000**	**91**
Total Table 3+ (20 compounds)[3]	**71**	**52**	**190,000**	**91**

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**Surficial Aquifer**	**Black Creek Aquifer**	**--**
Location ID	**SMW-11**	**SMW-12**	**EB**
Field Sample ID	**CAP1Q22-SMW-11-011322**	**CAP1Q22-SMW-12-012422**	**CAP1Q22-EQBLK-DV-010722**
Sample Date	**01/13/2022**	**01/24/2022**	**01/07/2022**
QA/QC			**Equipment Blank**
Sample Delivery Group (SDG)	**320-84177-1**	**320-84292-1**	**320-83801-1**
Lab Sample ID	**320-84177-2**	**320-84292-4**	**320-83801-3**
Table 3+ SOP (ng/L)			
HFPO-DA	**5,300**	**1,700**	<2.0
PFMOAA	**3,300**	**3,500**	<2.0
PFO2HxA	**2,700**	**1,400**	<2.0
PFO3OA	**510**	**89**	<2.0
PFO4DA	<59	<59	<2.0
PFO5DA	<78	<78	<2.0
PMPA	**2,300**	**1,900**	<10
PEPA	**710**	**390**	<20
PS Acid	<20	<20	<2.0
Hydro-PS Acid	**46**	<6.1	<2.0
R-PSDA	**160 J**	<71	<2.0
Hydrolyzed PSDA	**72 J**	<38	<2.0
R-PSDCA	<17	<17	<2.0
NVHOS	**140**	<15	<2.0
EVE Acid	<17	<17	<2.0
Hydro-EVE Acid	**18**	<14	<2.0
R-EVE	**96 J**	<72	<2.0
PES	<6.7	<6.7	<2.0
PFECA B	<27	<27	<2.0
PFECA-G	<48	<48	<2.0
Perfluoroheptanoic Acid	<94	<2.0	<2.0
Total Attachment C[2,3]	**15,000**	**9,000**	ND
Total Table 3+ (17 compounds)[3,4]	**15,000**	**9,000**	ND
Total Table 3+ (20 compounds)[3]	**15,000**	**9,000**	ND

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	--	--
Location ID	EB	EB
Field Sample ID	CAP1Q22-EQBLK-PP-010722	CAP1Q22-EQBLK-PP-010722-Z
Sample Date	01/07/2022	01/07/2022
QA/QC	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-83801-1	320-83801-1
Lab Sample ID	320-83801-4	320-83801-5
Table 3+ SOP (ng/L)		
HFPO-DA	<2.0	<2.0
PFMOAA	<2.0	<2.0
PFO2HxA	<2.0	<2.0
PFO3OA	<2.0	<2.0
PFO4DA	<2.0	<2.0
PFO5DA	<2.0	<2.0
PMPA	<10	<10
PEPA	<20	<20
PS Acid	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0
R-PSDA	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0
R-PSDCA	<2.0	<2.0
NVHOS	<2.0	<2.0
EVE Acid	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0
R-EVE	<2.0	<2.0
PES	<2.0	<2.0
PFECA B	<2.0	<2.0
PFECA-G	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Total Attachment C[2,3]	ND	ND
Total Table 3+ (17 compounds)[3,4]	ND	ND
Total Table 3+ (20 compounds)[3]	ND	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.
"-Z" in Sample ID denotes field filtration
< - 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+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.
4 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

TABLE A5-2
GROUNDWATER OTHER PFAS 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	CAP1Q22-LTW-01-012522	CAP1Q22-LTW-02-012522	CAP1Q22-LTW-03-012522	CAP1Q22-LTW-04-011822
Sample Date	01/25/2022	01/25/2022	01/25/2022	01/18/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84292-1	320-84292-1	320-84177-2
Lab Sample ID	320-84292-7	320-84292-8	320-84292-9	320-84177-6
537 Mod (ng/L)				
Perfluorobutanoic Acid	**130**	**57**	**130**	**470 J**
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorohexanoic Acid	**22**	**8.7**	**14**	**37 J**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoropentanoic Acid	**340**	**220**	**590**	**1,600 J**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0 UJ
PFOA	**30**	<2.0	<2.0	**9.0 J**

TABLE A5-2
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	LTW-05	PIW-1D	PIW-1D	PIW-1S
Field Sample ID	CAP1Q22-LTW-05-011822	CAP1Q22-PIW-1D-012422	CAP1Q22-PIW-1D-012422-D	CAP1Q22-PIW-1S-012422
Sample Date	01/18/2022	01/24/2022	01/24/2022	01/24/2022
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-84177-2	320-84292-1	320-84292-1	320-84292-1
Lab Sample ID	320-84177-7	320-84292-1	320-84292-2	320-84292-3
537 Mod (ng/L)				
Perfluorobutanoic Acid	**150 J**	**57**	**60**	**78**
Perfluorodecanoic Acid	<2.0 UJ	<2.0	<2.0	**3.0**
Perfluorododecanoic Acid	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**41 J**	**8.4**	**8.4**	**14**
Perfluorononanoic Acid	<2.0 UJ	<2.0	<2.0	**7.6**
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**1,300 J**	**120**	**120**	**140**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0 UJ	<2.0	<2.0	<2.0
PFOA	**3.5 J**	**13**	**14**	**27**

TABLE A5-2
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer
Location ID	PIW-3D	PIW-7D	PIW-7S	PW-04
Field Sample ID	CAP1Q22-PIW-3D-012522	CAP1Q22-PIW-7D-011822	CAP1Q22-PIW-7S-011822	CAP1Q22-PW-04-012522
Sample Date	01/25/2022	01/18/2022	01/18/2022	01/25/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84177-1	320-84177-1	320-84292-1
Lab Sample ID	320-84292-10	320-84177-4	320-84177-3	320-84292-5
537 Mod (ng/L)				
Perfluorobutanoic Acid	**59**	**220 J**	**120 J**	**9.9**
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluorohexanoic Acid	**14**	**35 J**	**20 J**	**3.4**
Perfluorononanoic Acid	**4.2**	<2.0 UJ	<2.0 UJ	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoropentanoic Acid	**120**	**1,500 J**	**420 J**	**20**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFOA	**34**	**3.8 J**	**11 J**	<2.0

TABLE A5-2
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PW-04	PW-06	PW-07	PW-07
Field Sample ID	CAP1Q22-PW-04-012522-Z	CAP1Q22-PW-06-011322	CAP1Q22-PW-07-012722	CAP1Q22-PW-07-012722-Z
Sample Date	01/25/2022	01/13/2022	01/27/2022	01/27/2022
QA/QC				
Sample Delivery Group (SDG)	320-84292-1	320-84177-1	320-84488-1	320-84488-1
Lab Sample ID	320-84292-6	320-84177-1	320-84488-1	320-84488-2
537 Mod (ng/L)				
Perfluorobutanoic Acid	**11**	**13 J**	**22**	**22**
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<2.0
Perfluorohexanoic Acid	**3.5**	**3.9 J**	**2.5**	**2.7**
Perfluorononanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoropentanoic Acid	**20**	**20 J**	**13**	**14**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
PFOA	<2.0	**8.7 J**	**2.8**	**3.2**

TABLE A5-2
GROUNDWATER OTHER PFAS 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	PW-09	PZ-22	SMW-10
Field Sample ID	CAP1Q22-PW-09-010722	CAP1Q22-PW-09-010722-Z	CAP1Q22-PZ-22-011822	CAP1Q22-SMW-10-010722
Sample Date	01/07/2022	01/07/2022	01/18/2022	01/07/2022
QA/QC				
Sample Delivery Group (SDG)	320-83801-1 / 320-83801-2	320-83801-1 / 320-83801-2	320-84177-1	320-83801-1 / 320-83801-2
Lab Sample ID	320-83801-1	320-83801-2	320-84177-5	320-83801-6
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	**120 J**	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**3.9 J**	**15 J**	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ	**1,000 J**	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ

TABLE A5-2
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	--
Location ID	SMW-11	SMW-12	EB
Field Sample ID	CAP1Q22-SMW-11-011322	CAP1Q22-SMW-12-012422	CAP1Q22-EQBLK-DV-010722
Sample Date	01/13/2022	01/24/2022	01/07/2022
QA/QC			Equipment Blank
Sample Delivery Group (SDG)	320-84177-1	320-84292-1	320-83801-1 / 320-83801-2
Lab Sample ID	320-84177-2	320-84292-4	320-83801-3
537 Mod (ng/L)			
Perfluorobutanoic Acid	**28 J**	**18**	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0	<2.0 UJ
Perfluorohexanoic Acid	**12 J**	<2.0	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluoropentanoic Acid	**46 J**	**46**	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0	<2.0 UJ
PFOA	**84 J**	<2.0	<2.0 UJ

TABLE A5-2
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**--**	**--**
Location ID	**EB**	**EB**
Field Sample ID	**CAP1Q22-EQBLK-PP-010722**	**CAP1Q22-EQBLK-PP-010722-Z**
Sample Date	**01/07/2022**	**01/07/2022**
QA/QC	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-83801-1 / 320-83801-2**	**320-83801-1 / 320-83801-2**
Lab Sample ID	**320-83801-4**	**320-83801-5**
537 Mod (ng/L)		
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ

Notes:
1 - Refers to the primary aquifer unit that the well screen is estimated to be screened within.

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.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

"-Z" in Sample ID denotes field filtration

< - Analyte not detected above associated reporting limit.

TABLE A6
GROUNDWATER ELEVATIONS - Q1 2022
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 (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Black Creek Aquifer	BCA-01	1/6/2022	399779.96	2050662.48	91 to 101	146.25	NM	--
Onsite	Black Creek Aquifer	BCA-02	1/6/2022	396242.02	2051062.07	92 to 102	148.37	NM	--
Onsite	Black Creek Aquifer	BCA-03R	1/6/2022	398582.23	2049522.22	88 to 98	150.82	50.14	100.68
Onsite	Black Creek Aquifer	BCA-04	1/6/2022	395877.665	2047823.03	94 to 104	150.31	29.31	121
Onsite	Black Creek Aquifer	EW-1	1/6/2022	399934.65	2051297.51	40 to 60	91.33	32.13	59.2
Onsite	Black Creek Aquifer	EW-2	1/6/2022	396164.48	2052232.61	40 to 65	77.25	31.64	45.61
Onsite	Black Creek Aquifer	EW-3	1/6/2022	395059.78	2052214.66	37 to 67	76.48	15.2	61.28
Onsite	Black Creek Aquifer	EW-4	1/6/2022	398581.51	2051805.58	53 to 73	80.64	30.19	50.45
Onsite	Black Creek Aquifer	EW-5	1/6/2022	397200.16	2052052.65	37 to 67	78.50	37.72	40.78
Onsite	Perched Zone	FTA-01	1/6/2022	397906.09	2049370.01	12.0 to 22.0	149.60	17.08	132.52
Onsite	Perched Zone	FTA-02	1/6/2022	397784.99	2049203.29	11.5 to 22.0	149.30	18.11	131.19
Onsite	Perched Zone	FTA-03	1/6/2022	397766.23	2049310.46	12.0 to 22.0	150.10	18.32	131.78
Onsite	Surficial Aquifer	INSITU-01	1/6/2022	401657.39	2046078.99	7.0 to 17.0	89.12	5.65	83.47
Onsite	Surficial Aquifer	INSITU-02	1/6/2022	401863.46	2049136.62	7.0 to 17.0	113.12	DRY	--
Onsite	Floodplain Deposits	LTW-01	1/6/2022	399565.01	2052150.62	11.0 to 26.0	52.71	14.85	37.86
Onsite	Black Creek Aquifer	LTW-02	1/6/2022	398847.57	2052355.48	28.0 to 38.0	51.39	8.49	42.9
Onsite	Floodplain Deposits	LTW-03	1/6/2022	398114.45	2052558.35	15.0 to 30.0	51.75	17.32	34.43
Onsite	Floodplain Deposits	LTW-04	1/6/2022	397279.61	2052584.95	12.0 to 27.0	50.66	7.28	43.38
Onsite	Black Creek Aquifer	LTW-05	1/6/2022	396430.31	2052740.4	29.0 to 44.0	50.94	7.85	43.09
Onsite	Perched Zone	MW-11	1/6/2022	396544.4	2049051.06	11.5 to 21.5	148.53	23.57	124.96
Onsite	Perched Zone	MW-12S	1/6/2022	397262.9	2049269.37	17.5 to 22.5	151.08	21.03	130.05
Onsite	Surficial Aquifer	MW-13D	1/6/2022	397119.015	2049821.123	57 to 67	148.65	44.9	103.75
Onsite	Surficial Aquifer	MW-14D	1/6/2022	396974.485	2049074.561	62 to 72	149.73	40.9	108.83
Onsite	Surficial Aquifer	MW-15DRR	1/6/2022	398580.71	2049511.75	52.5 to 62.5	150.92	48.2	102.72
Onsite	Surficial Aquifer	MW-16D	1/6/2022	398493.703	2048402.838	72 to 82	148.41	36.69	111.72
Onsite	Surficial Aquifer	MW-17D	1/6/2022	398401.741	2047366.496	57 to 67	146.12	29.82	116.297
Onsite	Surficial Aquifer	MW-18D	1/6/2022	400947.3	2046574.35	50 to 60	108.10	20.11	87.99
Onsite	Surficial Aquifer	MW-19D	1/6/2022	401151.43	2048272.93	46 to 56	139.36	51.39	87.97
Onsite	Perched Zone	MW-1S	1/6/2022	397080.69	2049117.99	21.0 to 24.0	148.88	19.62	129.26
Onsite	Surficial Aquifer	MW-20D	1/6/2022	400791.01	2048733.71	65 to 75	137.20	47.69	89.51
Onsite	Surficial Aquifer	MW-21D	1/6/2022	399501.88	2047074.92	72 to 82	151.42	45.99	105.43
Onsite	Surficial Aquifer	MW-22D	1/6/2022	398518.4	2048362.48	52 to 72	149.09	36.33	112.76
Onsite	Perched Zone	MW-23	1/6/2022	396237.61	2051063.25	9.5 to 14.5	148.34	14.9	133.44
Onsite	Perched Zone	MW-24	1/6/2022	397303.94	2048767.69	18.8 to 23.8	150.31	22.42	127.89
Onsite	Perched Zone	MW-25	1/6/2022	396753.37	2050989.82	12 to 17	147.59	14.4	133.19
Onsite	Perched Zone	MW-26	1/6/2022	396265.18	2051484.67	5 to 10	147.70	12.8	134.9
Onsite	Perched Zone	MW-27	1/6/2022	396010.33	2051472	10 to 15	146.83	14.97	131.86
Onsite	Perched Zone	MW-28	1/6/2022	395719.79	2051165.93	9 to 14	144.70	14.04	130.66
Onsite	Perched Zone	MW-30	1/6/2022	397340.79	2050776.09	10 to 15	147.67	14.46	133.21
Onsite	Perched Zone	MW-31	1/6/2022	396390.698	2049622.884	17 to 22	147.70	16.45	131.249
Onsite	Perched Zone	MW-32	1/6/2022	396359.577	2049651.789	13 to 18.5	147.11	15.35	131.756
Onsite	Perched Zone	MW-33	1/6/2022	396337.507	2049678.558	12 to 17	146.82	14.81	132.01

TABLE A6
GROUNDWATER ELEVATIONS - Q1 2022
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 (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Perched Zone	MW-34	1/6/2022	396352.902	2049619.086	17 to 22	147.97	16.3	131.672
Onsite	Perched Zone	MW-35	1/6/2022	396332.943	2049631.155	14 to 19	147.54	15.75	131.791
Onsite	Perched Zone	MW-36	1/6/2022	396320.088	2049651.174	12 to 17	147.89	16.02	131.869
Onsite	Perched Zone	MW-7S	1/6/2022	397444.5245	2049809.731	NA	147.47	11.7	135.77
Onsite	Perched Zone	MW-9S	1/6/2022	396760.1617	2049734.296	17.5 to 22.5	154.39	22.06	132.33
Onsite	Perched Zone	NAF-01	1/6/2022	398348.58	2050339.68	5.0 to 15.0	148.65	10.26	138.39
Onsite	Perched Zone	NAF-02	1/6/2022	398660.16	2050634.55	5.0 to 15.0	149.28	10.89	138.39
Onsite	Perched Zone	NAF-03	1/6/2022	398578.63	2050743.04	5.0 to 15.0	149.41	10.93	138.48
Onsite	Perched Zone	NAF-04	1/6/2022	398445.89	2050713.13	5.0 to 15.0	146.77	8.16	138.61
Onsite	Perched Zone	NAF-06	1/6/2022	398808.81	2050913.93	2.75 to 12.75	145.43	11.44	133.99
Onsite	Perched Zone	NAF-07	1/6/2022	398898.69	2050618.12	5.5 to 15.5	149.03	9.79	139.24
Onsite	Perched Zone	NAF-08A	1/6/2022	398098.22	2050886.93	5.0 to 15.0	147.74	9.2	138.54
Onsite	Surficial Aquifer	NAF-08B	1/6/2022	398095.97	2050880.18	43.5 to 53.5	147.83	52.79	95.04
Onsite	Perched Zone	NAF-09	1/6/2022	397708.78	2050807.44	7.0 to 17.0	148.62	12.94	135.68
Onsite	Perched Zone	NAF-10	1/6/2022	397611.81	2050425.2	8.25 to 18.25	149.25	13.26	135.99
Onsite	Perched Zone	NAF-11A	1/6/2022	398907.08	2050999.77	2.5 to 7.5	139.74	6.77	132.97
Onsite	Surficial Aquifer	NAF-11B	1/6/2022	398911.13	2050995.88	33.5 to 43.5	140.74	46.67	94.07
Onsite	Perched Zone	NAF-12	1/6/2022	398270.555	2050777.49	18 to 23	145.79	19.07	126.72
Onsite	Black Creek Aquifer	OW-1	1/6/2022	399930.53	2051287.87	40 to 50	95.01	35.59	59.42
Onsite	Black Creek Aquifer	OW-10	1/6/2022	399948.17	2051291.21	40 to 50	94.39	34.94	59.45
Onsite	Black Creek Aquifer	OW-2	1/6/2022	398572.28	2051801.62	63 to 73	84.37	34.19	50.18
Onsite	Black Creek Aquifer	OW-3	1/6/2022	398601.08	2051812.32	63 to 73	84.64	34.62	50.02
Onsite	Black Creek Aquifer	OW-4	1/6/2022	395049.16	2052210.81	47 to 57	80.85	19.58	61.27
Onsite	Black Creek Aquifer	OW-5	1/6/2022	395070.03	2052196.97	54 to 64	81.61	20.12	61.49
Onsite	Black Creek Aquifer	OW-6	1/6/2022	396168.41	2052223.54	50 to 60	80.53	36.83	43.7
Onsite	Black Creek Aquifer	OW-7	1/6/2022	397180.06	2052052.69	57 to 67	81.45	35.73	45.72
Onsite	Black Creek Aquifer	OW-8	1/6/2022	397202.33	2052041.98	57 to 67	82.30	37.34	44.96
Onsite	Black Creek Aquifer	OW-9	1/6/2022	395075.14	2052211.07	54 to 64	79.78	18.33	61.45
Onsite	Black Creek Aquifer	PIW-10DR	1/6/2022	395093.99	2052297.3	53 to 58	75.91	14.48	61.43
Onsite	Surficial Aquifer	PIW-10S	1/6/2022	395104.95	2052296.98	7 to 17	76.32	18.88	57.44
Onsite	Black Creek Aquifer	PIW-11	1/6/2022	401911.03	2050416.29	47 to 57	67.02	22.22	44.8
Onsite	Black Creek Aquifer	PIW-12	1/6/2022	401703.1	2051025.77	64 to 74	83.78	45.41	38.37
Onsite	Black Creek Aquifer	PIW-13	1/6/2022	401464.29	2051122.6	54 to 64	83.18	46.29	36.89
Onsite	Black Creek Aquifer	PIW-14	1/6/2022	401163.98	2051186.57	56 to 66	87.43	50.69	36.74
Onsite	Black Creek Aquifer	PIW-15	1/6/2022	400706.51	2051532.8	34 to 44	67.85	31.43	36.42
Onsite	Black Creek Aquifer	PIW-16D	1/6/2022	396257.96	2046587.07	90 to 100	150.06	21.96	128.1
Onsite	Black Creek Aquifer	PIW-16S	1/6/2022	396267.84	2046586.09	35 to 45	149.74	18.42	131.32
Onsite	Surficial Aquifer	PIW-1D	1/6/2022	400548	2051801.28	24.5 to 29.5	52.16	17.15	35.01
Onsite	Floodplain Deposits	PIW-1S	1/6/2022	400541.03	2051792.39	7.8 to 17.8	54.04	20.01	34.03
Onsite	Black Creek Aquifer	PIW-2D	1/6/2022	399925.4	2051315.8	40 to 50	96.19	36.79	59.4
Onsite	Black Creek Aquifer	PIW-3D	1/6/2022	399711.25	2052086.94	19 to 24	53.42	15.93	37.49
Onsite	Black Creek Aquifer	PIW-4D	1/6/2022	398816.52	2052101.94	32.3 to 37.3	52.85	9.68	43.17

TABLE A6
GROUNDWATER ELEVATIONS - Q1 2022
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 (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Surficial Aquifer	PIW-5S	1/6/2022	398519.7	2051950.49	9.8 to 19.8	75.02	14.38	60.64
Onsite	Floodplain Deposits	PIW-6S	1/6/2022	398117.93	2052539.79	18 to 28	53.40	13.81	39.59
Onsite	Black Creek Aquifer	PIW-7D	1/6/2022	396787.77	2052595.65	29 to 34	48.93	4.65	44.28
Onsite	Floodplain Deposits	PIW-7S	1/6/2022	396786.97	2052589.1	7 to 17	47.97	4.45	43.52
Onsite	Black Creek Aquifer	PIW-8D	1/6/2022	396403.37	2052682.1	35.5 to 40	48.66	5.59	43.07
Onsite	Black Creek Aquifer	PIW-9D	1/6/2022	396155.84	2052250.84	40 to 45	79.64	36.03	43.61
Onsite	Surficial Aquifer	PIW-9S	1/6/2022	396148.52	2052251.03	24.8 to 29.8	79.64	12.38	67.26
Onsite	Perched Zone	PW-01	1/6/2022	399064.799	2049654.303	11 to 21	149.55	16.14	133.407
Onsite	Surficial Aquifer	PW-02	1/6/2022	399779.064	2050649.466	50 to 60	146.43	56.66	89.771
Onsite	Surficial Aquifer	PW-03	1/6/2022	397339.809	2050765.319	35 to 45	147.97	42.27	105.697
Onsite	Surficial Aquifer	PW-04	1/6/2022	394659.549	2050940.657	17 to 27	97.75	28.66	69.091
Onsite	Surficial Aquifer	PW-05	1/6/2022	395873.1	2047812.929	65 to 75	150.34	29.94	120.396
Onsite	Surficial Aquifer	PW-06	1/6/2022	392868	2045288.765	19 to 29	147.69	19.62	128.071
Onsite	Surficial Aquifer	PW-07	1/6/2022	390847.706	2049258.256	28 to 38	148.16	40.52	107.64
Onsite	Black Creek Aquifer	PW-09	1/6/2022	402000.079	2048979.111	44 to 54	72.93	24.98	47.945
Onsite	Black Creek Aquifer	PW-10R	1/6/2022	398516.115	2051936.585	57 to 67	75.90	26.83	49.07
Onsite	Black Creek Aquifer	PW-11	1/6/2022	394354.363	2052226.721	53 to 63	73.26	31.64	41.623
Onsite	Black Creek Aquifer	PW-12	1/6/2022	399500.447	2047063.51	109 to 119	150.61	57.91	92.7
Onsite	Black Creek Aquifer	PW-13	1/6/2022	397584.263	2048029.184	120 to 130	149.36	32.75	116.61
Onsite	Black Creek Aquifer	PW-14	1/6/2022	397325.648	2050766.359	136 to 146	147.97	NM	--
Onsite	Black Creek Aquifer	PW-15R	1/6/2022	398900.875	2051011.753	110 to 120	136.14	NM	--
Onsite	Perched Zone	PZ-11	1/6/2022	398646.2549	2049820.937	15 to 20	151.03	11.93	139.1
Onsite	Perched Zone	PZ-12	1/6/2022	399091.19	2048978.89	15.1 to 20.1	149.89	20.42	129.47
Onsite	Perched Zone	PZ-13	1/6/2022	397707.82	2050985.25	7.1 to 12.1	148.14	12.35	135.79
Onsite	Perched Zone	PZ-14	1/6/2022	397589.9185	2050618.271	9.0 to 14.0	148.38	11.75	136.63
Onsite	Perched Zone	PZ-15	1/6/2022	396806.39	2050107.5	10.2 to 15.2	147.76	14.15	133.61
Onsite	Perched Zone	PZ-17	1/6/2022	396614.815	2048872.689	21.1 to 26.1	150.08	28.28	121.8
Onsite	Perched Zone	PZ-19R	1/6/2022	397998.663	2049919.516	16 to 21	150.05	14.7	135.346
Onsite	Perched Zone	PZ-20R	1/6/2022	398185.809	2049784.598	15 to 20	151.29	16.04	135.25
Onsite	Perched Zone	PZ-21R	1/6/2022	398445.157	2049883.125	17 to 22	150.67	14.45	136.224
Onsite	Black Creek Aquifer	PZ-22	1/6/2022	397271.94	2052585.34	42.5 to 47.5	50.70	6.45	44.25
Onsite	Perched Zone	PZ-24	1/6/2022	396117.94	2050744.07	11 to 16	147.53	14.65	132.88
Onsite	Perched Zone	PZ-25R	1/6/2022	395971.54	2050748.23	6 to 16	147.51	19.04	128.47
Onsite	Perched Zone	PZ-26	1/6/2022	396059.78	2050382.35	11 to 16	147.70	13.22	134.48
Onsite	Perched Zone	PZ-27	1/6/2022	395922.11	2050376.76	12 to 17	147.17	14.19	132.98
Onsite	Perched Zone	PZ-28	1/6/2022	396304.55	2049933.79	13 to 18	148.64	13.61	135.03
Onsite	Perched Zone	PZ-29	1/6/2022	396377.59	2049771.59	12 to 18	147.74	14.97	132.77
Onsite	Perched Zone	PZ-31	1/6/2022	396428.73	2049594.355	14 to 19	148.00	18.59	129.409
Onsite	Perched Zone	PZ-32	1/6/2022	396418.471	2049713.787	13 to 18	148.47	15.86	132.611
Onsite	Perched Zone	PZ-33	1/6/2022	396308.915	2049707.661	12.5 to 17.5	146.72	14.45	132.265
Onsite	Perched Zone	PZ-34	1/6/2022	396292.05	2049595.039	13.5 to 18.5	147.70	16.15	131.545
Onsite	Perched Zone	PZ-35	1/6/2022	398232.643	2050020.494	13 to 18	150.43	14.31	136.12

TABLE A6
GROUNDWATER ELEVATIONS - Q1 2022
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 (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Perched Zone	PZ-36	1/6/2022	396086.17	2051331.44	5 to 8.5	135.20	2.3	132.9
Onsite	Perched Zone	PZ-37	1/6/2022	396042.4	2051050.05	5 to 8	135.56	2.46	133.1
Onsite	Perched Zone	PZ-38	1/6/2022	395970.01	2050569.66	5 to 9	137.34	8.1	129.24
Onsite	Perched Zone	PZ-39	1/6/2022	395921.87	2050238.18	5 to 10	137.93	3.76	134.17
Onsite	Perched Zone	PZ-40	1/6/2022	395943.02	2050031.9	5 to 9	138.51	4.01	134.5
Onsite	Perched Zone	PZ-41	1/6/2022	395979.29	2050048.97	5 to 8.5	138.13	3.43	134.7
Onsite	Perched Zone	PZ-42	1/6/2022	395961.73	2050230.23	3 to 7	138.17	3.77	134.4
Onsite	Perched Zone	PZ-43	1/6/2022	396011.61	2050567.89	5 to 9	137.06	6.85	130.21
Onsite	Perched Zone	PZ-44	1/6/2022	396082.75	2051045.25	5 to 7	136.26	3.33	132.93
Onsite	Perched Zone	PZ-45	1/6/2022	396124.41	2051323.03	2 to 4	135.69	2.79	132.9
Onsite	Surficial Aquifer	PZ-L	1/6/2022	396745.804	2048684.008	13 to 28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	1/6/2022	395297.97	2043688.29	5.0 to 15.0	150.58	12.97	137.61
Onsite	Perched Zone	SMW-02	1/6/2022	399982.23	2050655.91	5.0 to 20.0	144.59	16.03	128.56
Onsite	Surficial Aquifer	SMW-02B	1/6/2022	399983.75	2050654.77	43.0 to 53.0	147.93	55.98	91.95
Onsite	Perched Zone	SMW-03	1/6/2022	399779.32	2049445.32	10.0 to 20.0	151.09	DRY	--
Onsite	Black Creek Aquifer	SMW-03B	1/6/2022	399785.752	2049421.539	72 to 82	150.43	57.38	93.05
Onsite	Perched Zone	SMW-04A	1/6/2022	399668.71	2048387.57	19.5 to 34.5	148.09	37.17	110.92
Onsite	Surficial Aquifer	SMW-04B	1/6/2022	399666.21	2048392.37	43.0 to 53.0	147.65	46	101.65
Onsite	Perched Zone	SMW-05	1/6/2022	399334.0651	2048557.335	10.0 to 20.0	148.10	DRY	--
Onsite	Surficial Aquifer	SMW-05P	1/6/2022	399391.46	2049235.07	45.0 to 60.0	149.66	44.73	104.93
Onsite	Perched Zone	SMW-06	1/6/2022	399172.346	2048759.478	12.0 to 22.0	150.97	DRY	--
Onsite	Surficial Aquifer	SMW-06B	1/6/2022	399144.744	2048764.939	58 to 68	150.32	47.85	102.47
Onsite	Perched Zone	SMW-07	1/6/2022	398931.13	2048611.74	13.0 to 23.0	146.79	19.51	127.28
Onsite	Perched Zone	SMW-08	1/6/2022	399064.972	2048468.783	21.0 to 31.0	151.02	DRY	--
Onsite	Surficial Aquifer	SMW-08B	1/6/2022	399058.325	2048478.84	58 to 68	148.81	41.37	107.44
Onsite	Surficial Aquifer	SMW-09	1/6/2022	401076.889	2050017.409	52 to 62	141.43	56.45	84.98
Onsite	Surficial Aquifer	SMW-10	1/6/2022	402307.305	2047923.84	39 to 49	76.26	29.31	46.95
Onsite	Surficial Aquifer	SMW-11	1/6/2022	401996.154	2048975.382	13 to 23	71.95	13.76	58.19
Onsite	Black Creek Aquifer	SMW-12	1/6/2022	401314.202	2051007.222	88 to 98	118.22	82.72	35.5
Offsite	Black Creek Aquifer	BLADEN-1D	1/6/2022	387522.245	2050247.399	37 to 47	76.96	19.73	57.23
Offsite	Surficial Aquifer	BLADEN-1S	1/6/2022	387518.967	2050233.347	5 to 10	76.74	DRY	--
Offsite	Black Creek Aquifer	BLADEN-2D	1/6/2022	368827.094	2042878.344	70 to 75	138.27	19.7	118.57
Offsite	Surficial Aquifer	BLADEN-2S	1/6/2022	368821.463	2042882.917	10 to 20	138.04	7.92	130.12
Offsite	Black Creek Aquifer	BLADEN-3D	1/6/2022	396856.978	2059006.562	33.75 to 43.75	75.52	10.39	65.13
Offsite	Surficial Aquifer	BLADEN-3S	1/6/2022	396862.307	2059012.932	5 to 15	74.27	9.2	65.07
Offsite	Black Creek Aquifer	BLADEN-4D	1/6/2022	363255.115	2087636.869	46.75 to 51.75	59.66	1.74	57.92
Offsite	Surficial Aquifer	BLADEN-4S	1/6/2022	363263.191	2087637.461	4.75 to 14.75	59.68	6.18	53.5
Offsite	Black Creek Aquifer	CUMBERLAND-1D	1/6/2022	431459.947	2011071.39	40 to 50	174.60	7.47	167.13
Offsite	Surficial Aquifer	CUMBERLAND-1S	1/6/2022	431459.947	2011071.39	15 to 25	174.73	7.07	167.66
Offsite	Black Creek Aquifer	CUMBERLAND-2D	1/6/2022	449987.54	2074019.139	47 to 57	129.23	5.34	123.89
Offsite	Surficial Aquifer	CUMBERLAND-2S	1/6/2022	449979.1	2074020.858	7 to 17	129.06	4.35	124.71
Offsite	Black Creek Aquifer	CUMBERLAND-3D	1/6/2022	423248.115	2060409.157	22 to 27	78.79	8.93	69.86

TABLE A6
GROUNDWATER ELEVATIONS - Q1 2022
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 (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Offsite	Surficial Aquifer	CUMBERLAND-3S	1/6/2022	423254.641	2060413.302	9 to 14	79.06	8.76	70.303
Offsite	Black Creek Aquifer	CUMBERLAND-4D	1/6/2022	413095.774	2078249.953	57 to 67	119.22	14.94	104.28
Offsite	Surficial Aquifer	CUMBERLAND-4S	1/6/2022	413086.626	2078255.528	10 to 20	119.36	8.28	111.082
Offsite	Black Creek Aquifer	CUMBERLAND-5D	1/6/2022	405619.17	2138238.586	52 to 57	106.67	9.07	97.6
Offsite	Surficial Aquifer	CUMBERLAND-5S	1/6/2022	405623.274	2138233.369	14 to 24	106.65	5.18	101.47
Offsite	Black Creek Aquifer	ROBESON-1D	1/6/2022	381416.282	2020158.933	42.75 to 52.75	156.36	16.33	140.03
Offsite	Surficial Aquifer	ROBESON-1S	1/6/2022	381408.19	2020156.855	17 to 27	156.66	14.72	141.94

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.
ft - feet
NAVD88 - North American Vertical Datum of 1988
NM - Not measured, well inaccessible during monitoring event.
NA - Not available.
SPCS NAD83 - State Plane Coordinate System North American Datum 1983
TOC - top of casing

TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	Time	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (µS/cm)	Temperature (°C)
LTW-01	1/25/2022	15:45	3.7	0.30	351	0.22	131	16.7
LTW-02	1/25/2022	15:45	4.8	0.06	96	0.02	78	16.9
LTW-03	1/25/2022	13:30	4.5	0.12	283	3.1	94	16.4
LTW-04	1/18/2022	15:15	4.5	0.12	308	18	88	14.1
LTW-05	1/18/2022	16:40	4.3	0.04	172	10	103	16.8
PIW-1D	1/24/2022	13:50	3.6	0.11	365	12	166	16.8
PIW-1S	1/24/2022	12:40	4.1	2.8	236	18	231	15.6
PIW-3D	1/25/2022	14:10	4.8	0.20	-29	0.68	74	17.3
PIW-7D	1/18/2022	16:15	4.1	0.06	97	5.3	100	15.6
PIW-7S	1/18/2022	15:25	5.6	0.08	-30	11	139	15.4
PW-04[1]	1/25/2022	11:30	3.0	0.30	384	66	656	15.2
PW-06	1/13/2022	14:20	4.5	3.1	290	3.4	54	16.5
PW-07[2]	1/27/2022	12:25	--	--	--	--	--	--
PW-09[1]	1/7/2022	14:25	6.5	0.17	-60	38	77	16.3
PZ-22	1/18/2022	14:05	4.4	0.11	142	6.9	99	15.9
SMW-10	1/7/2022	13:57	5.4	0.10	-11	3.7	80	14.7
SMW-11	1/13/2022	13:20	4.3	5.0	371	1.6	50	16.4
SMW-12	1/24/2022	14:45	3.6	0.03	123	0	250	16.7

Notes:

1 - Samples collected at PW-09 and PW-04 were field filtered before lab analysis due to high turbidity.

2 - Well went dry; field parameters were not recorded.

°C - degrees Celsius

mg/L - milligrams per liter

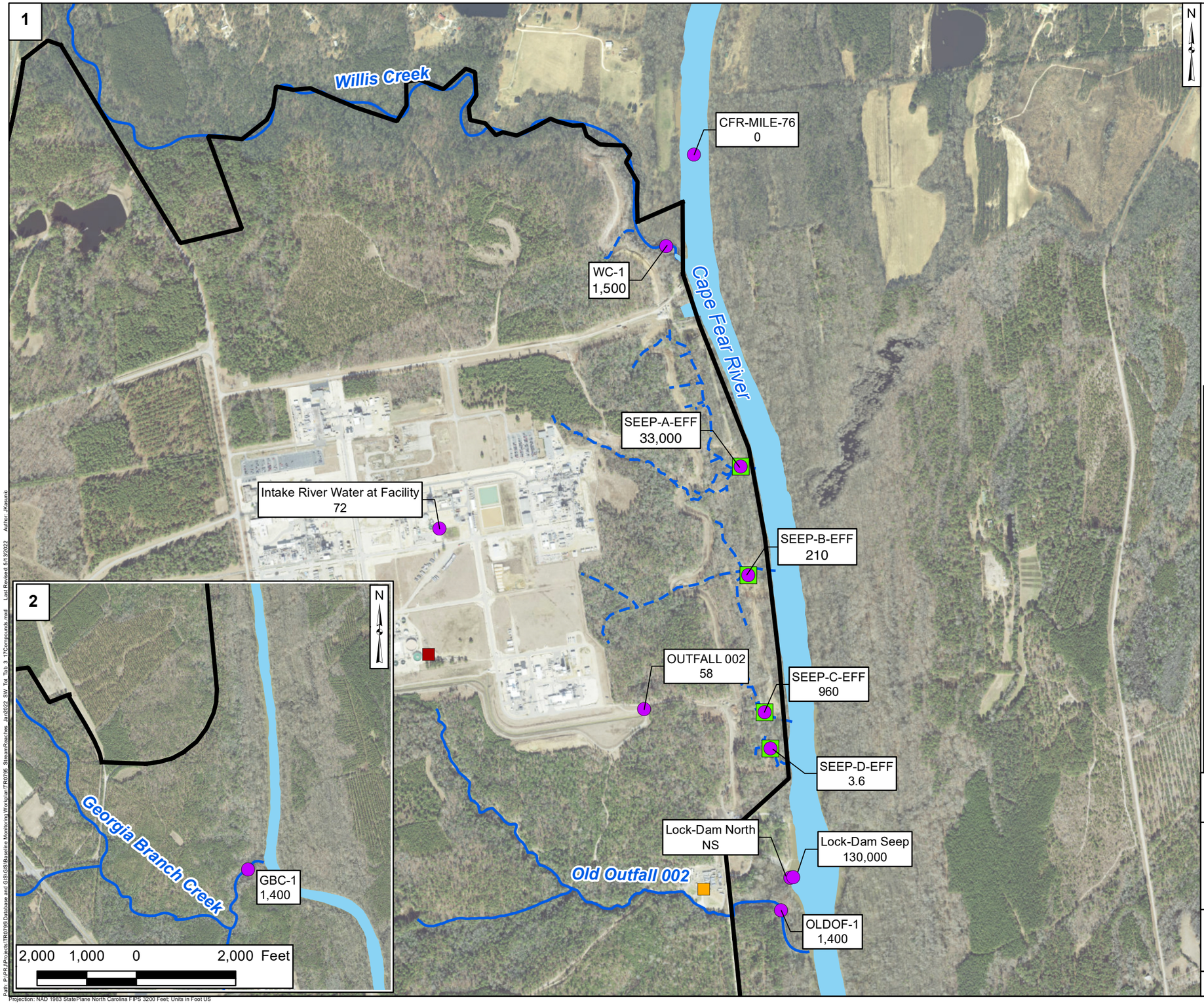
µS/cm - microsiemens per centimeter

mV- millivolts

NTU - nephelometric Turbidity Unit

S.U. - Standard Units

-- - not measured

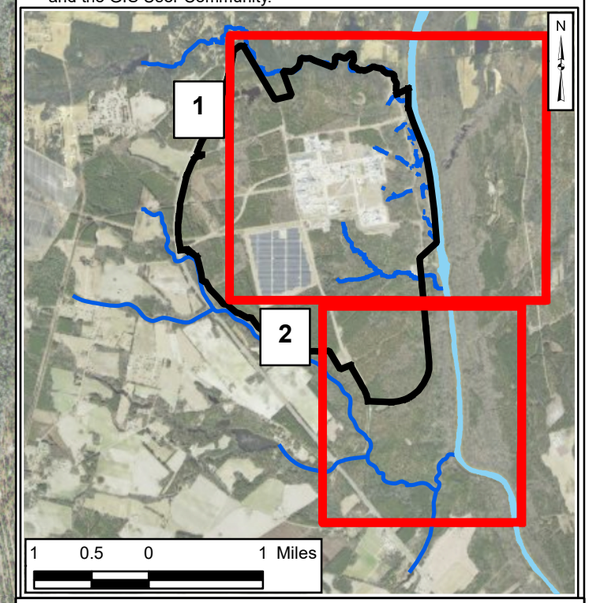


Legend

- Sample Location
- Flow-Through Cell
- Old Outfall 002 Treatment System
- Stormwater Treatment System
- Site Boundary
- Observed Seep
- Nearby Tributary

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

Notes:
NS - not sampled
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.



1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

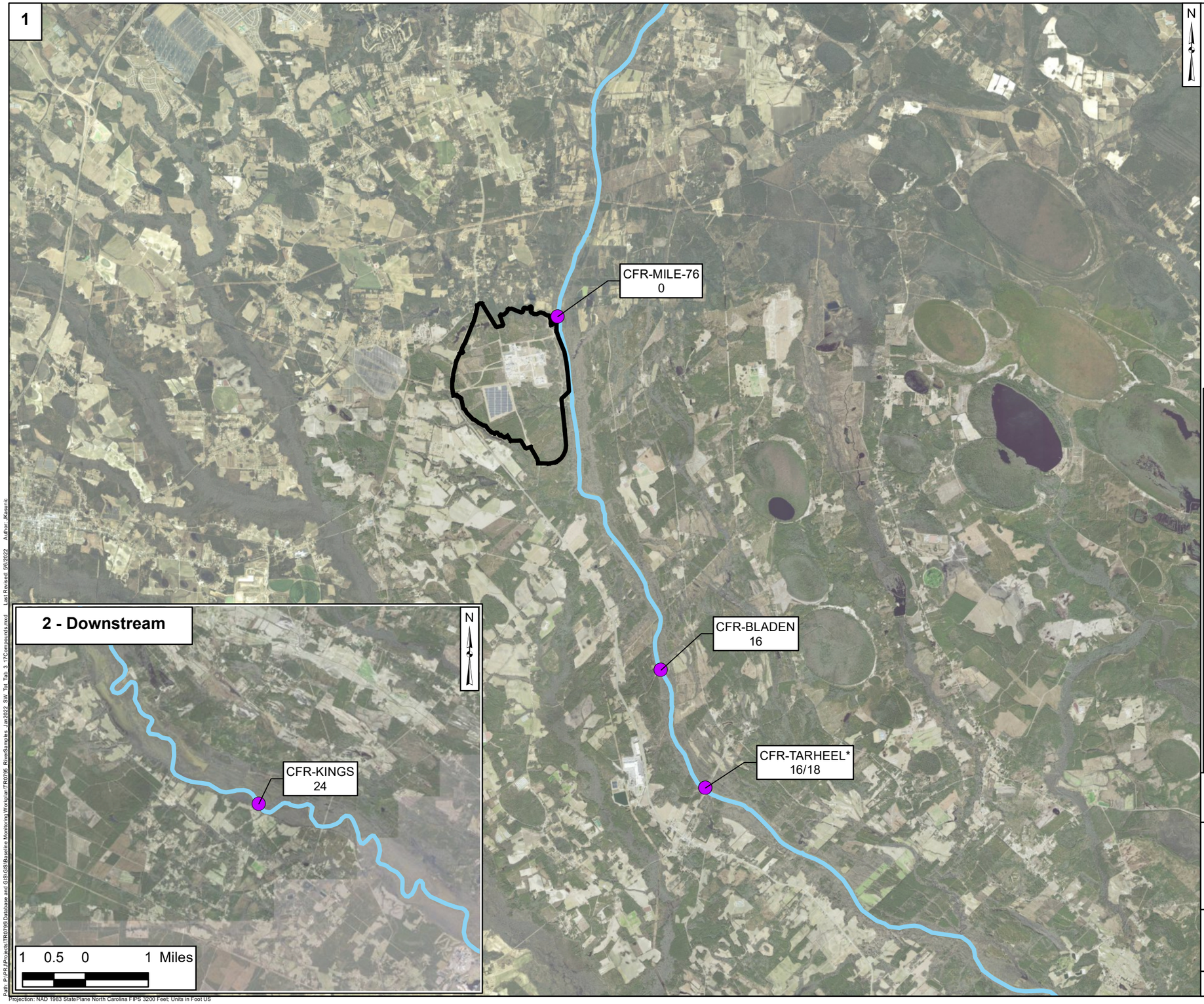
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | June 2022

Figure **A1**

Path: P:\PRJ\Projects\TR0799\Database and GIS\GIS\Baseline Monitoring Workplan\TR0796_StreamReaches_Jan2022_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 5/13/2022 Author: JKeaunie

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



Legend

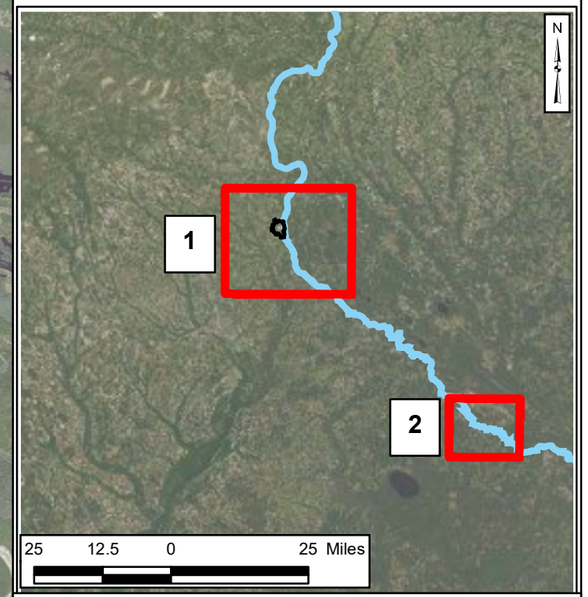
- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN 16 ← Location Name

Notes:

* - Multiple results are shown at CFR-TARHEEL for grab and composite samples.

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.



2 1 0 2 Miles

Cape Fear River Total Table 3+ Concentrations (17 Compounds) - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | June 2022

Figure **A2**

Path: P:\PR\Projects\TR07995\Database and GIS\GIS\Baseline Monitoring\Workplan\TR07995 RiverSamples Jan2022 SW Tot Tab 3 17Compounds.mxd Last Revised: 5/6/2022 Author: JKasunic

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

1

CFR-MILE-76
<2.0 U

CFR-BLADEN
4.3

CFR-TARHEEL*
4.4/4.2

2 - Downstream

CFR-KINGS
3.5

1 0.5 0 1 Miles

N

Legend

Sample Location

Cape Fear River

Site Boundary

CFR-BLADEN
4.3
Location Name

Notes:
* - Multiple results are shown at CFR-TARHEEL for grab and composite samples.
< - Analyte not detected above associated reporting limit.
U - Analyte not detected.
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.

1

2

25 12.5 0 25 Miles

2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations
January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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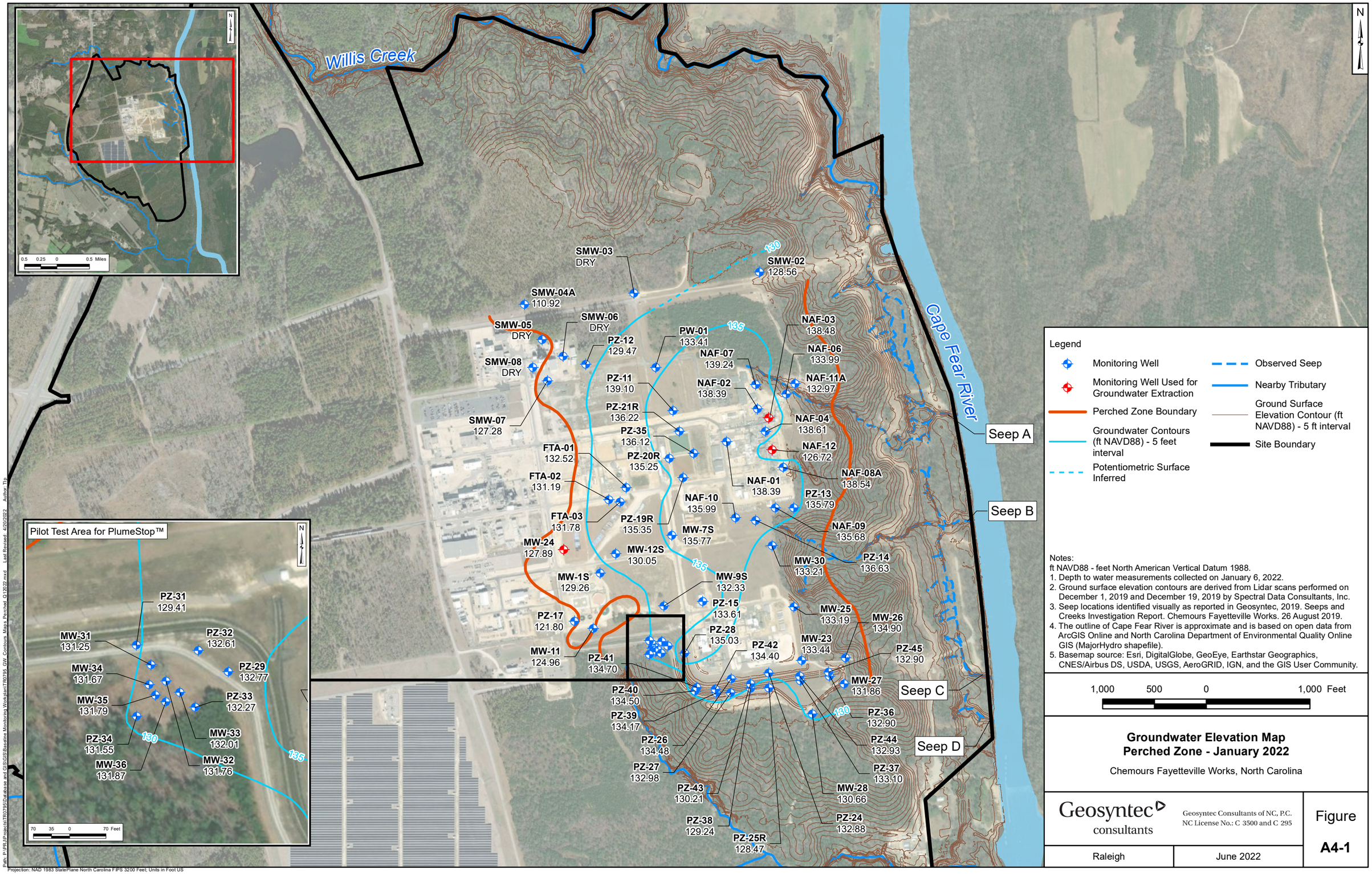
Figure
A3

Path: P:\PR_P\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Worksite\TR0795_RiverSamples_Jan2022_SW_HFPODA.mxd Last Revised: 5/9/2022 Author: KKaunis

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 January 6, 2022.
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.

1,000 500 0 1,000 Feet

Groundwater Elevation Map Perched Zone - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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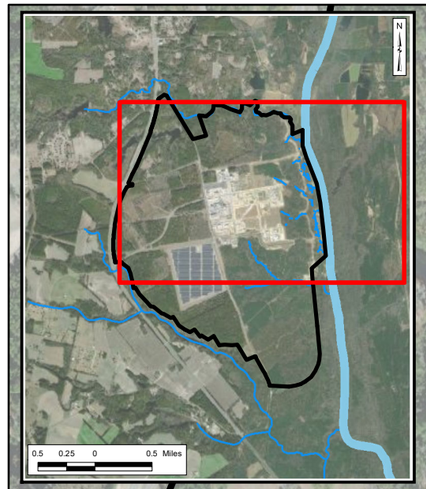
Figure A4-1

Path: P:\PRJP\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Perched_Q12022.mxd Last Revised: 4/20/2022 Author: Tlp

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



Willis Creek

SMW-10
46.95

SMW-11
58.19

INSITU-01
83.47

INSITU-02
DRY

MW-19D
87.97

SMW-09
84.98

MW-20D
89.51

MW-18D
87.99

SMW-02B
91.95

SMW-04B
101.65

PW-02
89.77

MW-21D
105.43

SMW-05P
104.93

SMW-06B
102.47

NAF-11B
94.07

MW-22D
112.76

SMW-08B
107.44

MW-15DRR
102.72

PIW-5S
60.64

MW-17D
116.30

MW-16D
111.72

NAF-08B
95.04

Cape Fear River

Seep A

Seep B

PW-03
105.70

MW-13D
103.75

MW-14D
108.83

PZ-L
117.82

PIW-16S
131.32

PIW-9S
67.26

Seep C

PW-05
120.40

Seep D

SMW-01
137.61

PIW-10S
57.44

PW-04
69.09

60 70 80 90 100 110 120 130

N

Legend

- Monitoring Well
- Groundwater Contours (ft NAVD88) - 10 feet interval
- Potentiometric Surface Inferred
- Inferred Groundwater Flow Direction
- 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 January 6, 2022.
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.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

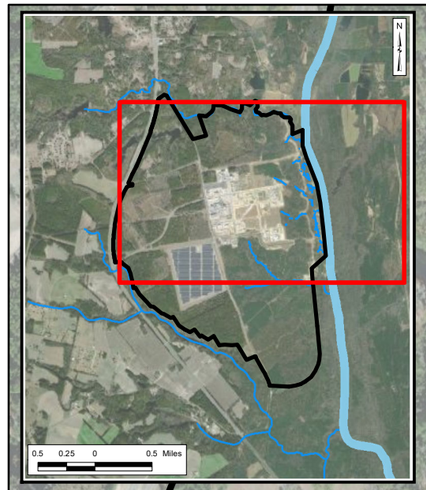
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | June 2022

Figure
A4-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Surficial Q12022.mxd Last Revised: 4/18/2022 Author: Tlp

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



Willis Creek

PW-09 47.95
PIW-11 44.80
PIW-12 38.37
PIW-13 36.89
SMW-12 35.50
PIW-14 36.74
PIW-15 36.42
PIW-1S 34.03
PIW-1D 35.01
PIW-3D 37.49
LTW-01 37.86
OW-1 59.42
OW-10 59.45
EW-1 59.20
PIW-2D 59.40
BCA-01 NM
SMW-03B 93.05
PW-12 92.70
LTW-02 42.90
PW-15R NM
PIW-4D 43.17
BCA-03R 100.68
EW-4 50.45
PW-10R 49.07
OW-2 50.18
OW-3 50.02
LTW-03 34.43
PIW-6S 39.59
PW-13 116.61
PZ-22 44.25
LTW-04 43.38
PW-14 NM
EW-5 45.78
OW-7 45.72
PIW-7S 43.52
PIW-7D 44.28
OW-8 44.96
LTW-05 43.09
PIW-16D 128.10
PIW-8D 43.07
PIW-9D 43.61
BCA-02 NM
EW-2 45.61
OW-6 43.70
BCA-04 121.00
PIW-10DR 61.43
EW-3 61.28
OW-4 61.27
OW-5 61.49
OW-9 61.45
PW-11 41.62

Cape Fear River

Seep A
Seep B
Seep C
Seep D

50 60 70 80 90 100 110 120 110 120 100 90 80 70 60 50 40 30

Legend

- Black Creek Aquifer
- Floodplain Deposits
- Groundwater Contours (ft NAVD88) - 10 feet interval
- Potentiometric Surface Inferred
- Inferred Groundwater Flow Direction
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Site Boundary

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
NM - Not Measured; Well is inaccessible while it is being pumped for the Black Creek Aquifer interim pumping program.
1. Depth to water measurements collected on January 6, 2022.
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.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

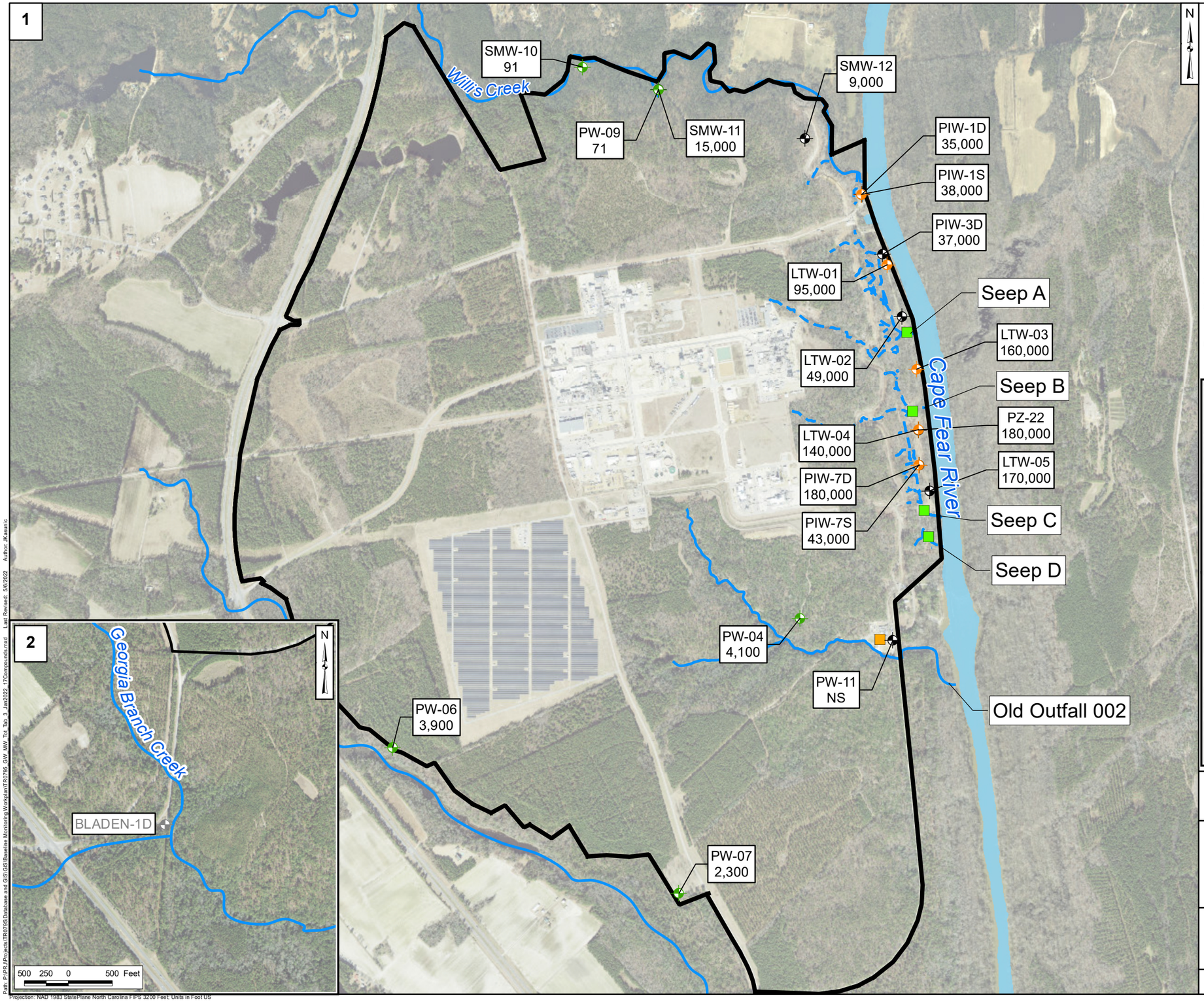
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

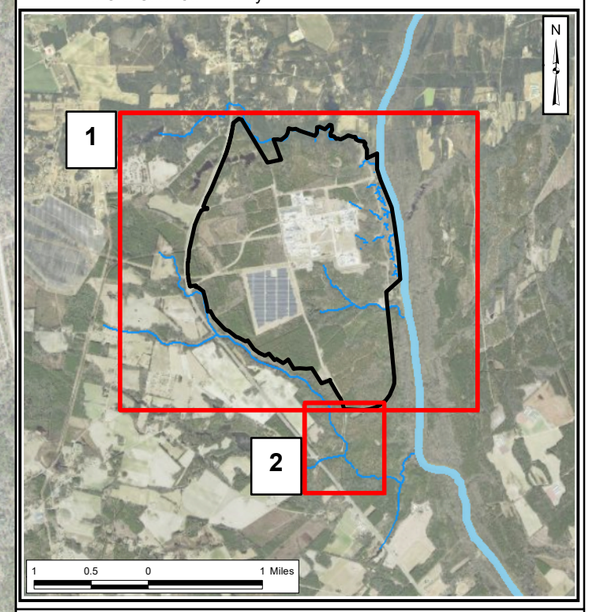
Raleigh | June 2022

Figure
A4-3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps BlackCreek Q12022.mxd Last Revised: 4/18/2022 Author: Tlp

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





Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Damaged
- Flow-Through Cell
- Old Outfall 002 Treatment System
- Observed Seep
- Nearby Tributary
- Site Boundary
- PIW-1D 35,000 — Location Name

Notes:
NS - not sampled

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.

1,500 750 0 1,500 Feet

Total Table 3+ Concentrations (17 Compounds) in Groundwater - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | June 2022

Figure **A5**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_MW_Tot_Tab_3_Jan2022_17Compounds.mxd Last Revised: 5/6/2022 Author: JKasunic

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

Appendix B
Supplemental Tables

TABLE B1
SEEP C FLUME DATA
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
1/26/2022	8:38:47 AM	0.89	0.30	28.8	865
1/26/2022	9:08:47 AM	1.01	0.34	40.4	1,213
1/26/2022	9:38:47 AM	0.88	0.29	28.0	840
1/26/2022	10:08:47 AM	1.00	0.33	39.0	1,169
1/26/2022	10:38:47 AM	0.98	0.33	36.6	1,097
1/26/2022	11:08:47 AM	0.98	0.33	37.2	1,117
1/26/2022	11:38:47 AM	0.92	0.31	31.2	936
1/26/2022	12:08:47 PM	1.09	0.36	48.4	1,453
1/26/2022	12:38:47 PM	1.53	0.51	118.9	3,568
1/26/2022	1:08:47 PM	1.46	0.49	104.8	3,143
1/26/2022	1:38:47 PM	1.66	0.55	147.7	4,431
1/26/2022	2:08:47 PM	1.63	0.54	140.3	4,210
1/26/2022	2:38:47 PM	1.59	0.53	133.2	3,995
1/26/2022	3:08:47 PM	1.46	0.49	105.5	3,166
1/26/2022	3:38:47 PM	1.15	0.38	56.2	1,685
1/26/2022	4:08:47 PM	1.08	0.36	48.0	1,439
1/26/2022	4:38:47 PM	1.04	0.35	43.5	1,306
1/26/2022	5:08:47 PM	1.11	0.37	50.8	1,524
1/26/2022	5:38:47 PM	0.97	0.32	35.7	1,070
1/26/2022	6:08:47 PM	0.98	0.33	37.4	1,123
1/26/2022	6:38:47 PM	0.95	0.32	34.1	1,024
1/26/2022	7:08:47 PM	1.06	0.35	45.2	1,356
1/26/2022	7:38:47 PM	0.93	0.31	32.1	963
1/26/2022	8:08:47 PM	1.00	0.33	39.1	1,172
1/26/2022	8:38:47 PM	0.91	0.30	30.1	904
1/26/2022	9:08:47 PM	0.94	0.31	33.1	993
1/26/2022	9:38:47 PM	0.91	0.30	30.2	907
1/26/2022	10:08:47 PM	0.94	0.31	32.7	982
1/26/2022	10:38:47 PM	0.92	0.31	31.0	931
1/26/2022	11:08:47 PM	0.92	0.31	31.6	947
1/26/2022	11:38:47 PM	0.91	0.31	30.8	923
1/27/2022	12:08:47 AM	0.90	0.30	29.4	881
1/27/2022	12:38:47 AM	0.91	0.31	30.8	925
1/27/2022	1:08:47 AM	0.87	0.29	27.3	820
1/27/2022	1:38:47 AM	0.92	0.31	30.9	928
1/27/2022	2:08:47 AM	0.90	0.30	29.3	878
1/27/2022	2:38:47 AM	0.91	0.30	30.4	912
1/27/2022	3:08:47 AM	0.89	0.30	28.5	855
1/27/2022	3:38:47 AM	0.92	0.31	31.3	939
1/27/2022	4:08:47 AM	0.93	0.31	32.5	974
1/27/2022	4:38:47 AM	0.95	0.32	34.1	1,024
1/27/2022	5:08:47 AM	0.98	0.33	36.6	1,097
1/27/2022	5:38:47 AM	0.97	0.32	35.8	1,073
Total					**61,758**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
1 - 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 B2
SEEP D FLUME DATA
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
1/26/2022	8:58:53 AM	1.49	0.50	112.3	3,369
1/26/2022	9:28:53 AM	1.34	0.45	84.4	2,531
1/26/2022	9:58:53 AM	1.38	0.46	91.8	2,755
1/26/2022	10:28:53 AM	1.32	0.44	81.1	2,433
1/26/2022	10:58:53 AM	1.35	0.45	85.4	2,561
1/26/2022	11:28:53 AM	1.31	0.44	79.2	2,375
1/26/2022	11:58:53 AM	1.23	0.41	67.1	2,012
1/26/2022	12:28:53 PM	1.27	0.43	73.7	2,211
1/26/2022	12:58:53 PM	1.16	0.39	57.5	1,724
1/26/2022	1:28:53 PM	1.33	0.44	82.4	2,472
1/26/2022	1:58:53 PM	1.32	0.44	80.6	2,418
1/26/2022	2:28:53 PM	1.32	0.44	80.8	2,423
1/26/2022	2:58:53 PM	1.31	0.44	80.1	2,404
1/26/2022	3:28:53 PM	1.34	0.45	83.5	2,506
1/26/2022	3:58:53 PM	1.36	0.46	87.9	2,637
1/26/2022	4:28:53 PM	1.34	0.45	84.2	2,526
1/26/2022	4:58:53 PM	1.42	0.47	97.7	2,931
1/26/2022	5:28:53 PM	1.33	0.44	82.1	2,462
1/26/2022	5:58:53 PM	1.39	0.46	92.7	2,782
1/26/2022	6:28:53 PM	1.38	0.46	90.3	2,708
1/26/2022	6:58:53 PM	1.48	0.50	110.1	3,304
1/26/2022	7:28:53 PM	1.37	0.46	89.1	2,672
1/26/2022	7:58:53 PM	1.44	0.48	102.3	3,069
1/26/2022	8:28:53 PM	1.36	0.46	88.1	2,642
1/26/2022	8:58:53 PM	1.40	0.47	94.1	2,824
1/26/2022	9:28:53 PM	1.37	0.46	89.6	2,688
1/26/2022	9:58:53 PM	1.40	0.47	93.8	2,813
1/26/2022	10:28:53 PM	1.37	0.46	90.1	2,703
1/26/2022	10:58:53 PM	1.38	0.46	91.8	2,755
1/26/2022	11:28:53 PM	1.38	0.46	91.1	2,734
1/26/2022	11:58:53 PM	1.35	0.45	86.7	2,601
1/27/2022	12:28:53 AM	1.38	0.46	90.5	2,714
1/27/2022	12:58:53 AM	1.34	0.45	84.4	2,531
1/27/2022	1:28:53 AM	1.37	0.46	89.2	2,677
1/27/2022	1:58:53 AM	1.36	0.46	88.4	2,652
1/27/2022	2:28:53 AM	1.38	0.46	91.0	2,729
1/27/2022	2:58:53 AM	1.35	0.45	85.5	2,566
1/27/2022	3:28:53 AM	1.37	0.46	89.9	2,698
1/27/2022	3:58:53 AM	1.37	0.46	89.9	2,698
1/27/2022	4:28:53 AM	1.39	0.47	93.2	2,797
1/27/2022	4:58:53 AM	1.41	0.47	97.2	2,915
1/27/2022	5:28:53 AM	1.40	0.47	95.4	2,861
1/27/2022	5:58:53 AM	1.47	0.49	108.0	3,240
1/27/2022	6:28:53 AM	1.41	0.47	95.7	2,872
1/27/2022	6:58:53 AM	1.46	0.49	105.9	3,177
1/27/2022	7:28:53 AM	1.40	0.47	94.1	2,824
1/27/2022	7:58:53 AM	1.44	0.48	101.4	3,042
Total					**126,040**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
1 - 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 B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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 B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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
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

TABLE B3
HISTORICAL SEEP A FLUME DATA - Q1 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
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	0.47	

Notes
Measurements are recorded from the flume at Seep A.
ft^3/sec - cubic feet per second
ft - feet
gpm - gallons per minute

TABLE B4
SEEP B FLOW THROUGH CELL DATA
Chemours Fayetteville Works, North Carolina

Data	Flow Rate[1] (gpm)	Flow Volume[2] (Gallon)
1/26/2022 8:32	183.7	2,756
1/26/2022 8:47	182.6	2,739
1/26/2022 9:02	160.6	2,410
1/26/2022 9:17	161.7	2,426
1/26/2022 9:32	172.6	2,589
1/26/2022 9:47	169.9	2,548
1/26/2022 10:02	174.8	2,622
1/26/2022 10:17	167.1	2,507
1/26/2022 10:32	171.0	2,564
1/26/2022 10:47	188.2	2,823
1/26/2022 11:02	163.9	2,458
1/26/2022 11:17	160.1	2,402
1/26/2022 11:32	161.2	2,418
1/26/2022 11:47	162.3	2,434
1/26/2022 12:02	189.9	2,849
1/26/2022 12:17	197.4	2,960
1/26/2022 12:32	197.9	2,969
1/26/2022 12:47	204.3	3,064
1/26/2022 13:02	203.7	3,056
1/26/2022 13:17	203.1	3,047
1/26/2022 13:32	226.7	3,401
1/26/2022 13:47	220.8	3,311
1/26/2022 14:02	216.6	3,249
1/26/2022 14:17	229.2	3,437
1/26/2022 14:32	233.4	3,501
1/26/2022 14:47	228.6	3,428
1/26/2022 15:02	189.4	2,840
1/26/2022 15:17	244.4	3,666
1/26/2022 15:32	195.1	2,926
1/26/2022 15:47	195.6	2,934
1/26/2022 16:02	219.6	3,294
1/26/2022 16:17	213.7	3,205
1/26/2022 16:32	260.6	3,908
1/26/2022 16:47	256.2	3,843
1/26/2022 17:02	249.3	3,740
1/26/2022 17:17	245.0	3,675

TABLE B4
SEEP B FLOW THROUGH CELL DATA
Chemours Fayetteville Works, North Carolina

Data	Flow Rate[1] (gpm)	Flow Volume[2] (Gallon)
1/26/2022 17:32	241.9	3,629
1/26/2022 17:47	237.0	3,556
1/26/2022 18:02	234.6	3,519
1/26/2022 18:17	235.2	3,528
1/26/2022 18:32	228.6	3,428
1/26/2022 18:47	217.8	3,267
1/26/2022 19:02	216.0	3,240
1/26/2022 19:17	203.7	3,056
1/26/2022 19:32	202.0	3,029
1/26/2022 19:47	196.8	2,952
1/26/2022 20:02	195.1	2,926
1/26/2022 20:17	186.5	2,798
1/26/2022 20:32	191.1	2,866
1/26/2022 20:47	192.8	2,892
1/26/2022 21:02	185.4	2,781
1/26/2022 21:17	188.8	2,832
1/26/2022 21:32	186.0	2,790
1/26/2022 21:47	186.0	2,790
1/26/2022 22:02	182.6	2,739
1/26/2022 22:17	183.2	2,747
1/26/2022 22:32	182.0	2,731
1/26/2022 22:47	181.5	2,722
1/26/2022 23:02	179.8	2,697
1/26/2022 23:17	178.7	2,680
1/26/2022 23:32	176.5	2,647
1/26/2022 23:47	175.9	2,639
1/27/2022 0:02	180.4	2,705
1/27/2022 0:17	176.5	2,647
1/27/2022 0:32	178.1	2,672
1/27/2022 0:47	173.2	2,597
1/27/2022 1:02	180.4	2,705
1/27/2022 1:17	174.8	2,622
1/27/2022 1:32	182.0	2,731
1/27/2022 1:47	177.0	2,655
1/27/2022 2:02	172.1	2,581
1/27/2022 2:17	174.8	2,622

TABLE B4
SEEP B FLOW THROUGH CELL DATA
Chemours Fayetteville Works, North Carolina

Data	Flow Rate[1] (gpm)	Flow Volume[2] (Gallon)
1/27/2022 2:32	175.4	2,630
1/27/2022 2:47	167.7	2,515
1/27/2022 3:02	178.7	2,680
1/27/2022 3:17	174.8	2,622
1/27/2022 3:32	177.6	2,664
1/27/2022 3:47	175.4	2,630
1/27/2022 4:02	176.5	2,647
1/27/2022 4:17	169.3	2,540
1/27/2022 4:32	173.7	2,606
1/27/2022 4:47	168.8	2,532
1/27/2022 5:02	169.9	2,548
1/27/2022 5:17	163.9	2,458
1/27/2022 5:32	162.8	2,442
1/27/2022 5:47	158.5	2,377
1/27/2022 6:02	159.6	2,394
1/27/2022 6:17	161.2	2,418
1/27/2022 6:32	155.3	2,329
1/27/2022 6:47	155.8	2,337
1/27/2022 7:02	153.7	2,306
1/27/2022 7:17	153.7	2,306
1/27/2022 7:32	151.6	2,274
Total		**264,271**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals

1 - The flume installed at Seep B were over-flooded due to the high river levels during the sampling days. For this reason, the flows recorded by the flow through cell installed at Seep B were used instead of the flows recorded by the flume installed at Seep B.

2 - Flow volumes are calculated as the total volume of flow passing through the flow through cell installed at Seep B 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
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS
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)
East Bank	0	0.00	0.03	0.00	0.15	0.00
B	0.5	0.10	0.08	0.30	0.94	0.07
B	1	0.20	0.11	1.42	1.41	0.16
T	1	0.00		1.75		
B	1.5	0.25	0.14	0.93	1.30	0.18
T	1.5	0.00		1.55		
B	2	0.30	0.16	1.02	1.56	0.25
T	2	0.00		1.70		
B	2.5	0.35	0.16	1.20	1.85	0.30
T	2.5	0.00		2.32		
B	3	0.30	0.14	1.43	1.65	0.23
T	3	0.00		2.44		
B	3.5	0.25	0.11	1.02	0.68	0.08
T	3.5	0.00		1.70		
West Bank	4.4	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			1.3
			(gpm)			569
			(L/s)			36

Associated Measurement Notes
Location: Chemours Fayetteville
Station: OLDOF-1
Date: January 26, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/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
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS
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)
East Bank	0	0.00	4.25	0.00	0.01	0.04
B	5	1.70	12.50	0.01	0.07	0.88
M	5	0.85		0.02		
T	5	0.00		0.05		
B	10	3.30	16.25	0.00	0.14	2.19
M	10	1.65		0.12		
T	10	0.00		0.03		
B	15	3.20	14.75	0.03	0.13	1.84
M	15	1.60		0.15		
T	15	0.00		0.08		
B	20	2.70	13.25	0.04	0.12	1.59
M	20	1.35		0.10		
T	20	0.00		0.05		
B	25	2.60	12.25	0.00	0.12	1.47
M	25	1.30		0.14		
T	25	0.00		0.10		
B	30	2.30	11.00	0.00	0.08	0.88
M	30	1.15		0.10		
T	30	0.00		0.07		
B	35	2.10	10.00	0.02	0.07	0.70
M	35	1.05		0.06		
T	35	0.00		0.08		
B	40	1.90	9.25	0.00	0.12	1.06
M	40	0.95		0.08		
T	40	0.00		0.11		
B	45	1.80	4.50	0.02	0.08	0.34
M	45	0.90		0.15		
T	45	0.00		0.06		
West Bank	50	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			11.0
			(gpm)			4,935
			(L/s)			311

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: January 26, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/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 B7
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS
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	0.20	0.00	0.00	0.00
B-Muddy Bank	2	0.20	0.80	0.00	0.38	0.30
B	4	0.60	1.00	0.18	0.83	0.83
M	4	0.30		0.75		
T	4	0.00		1.08		
B	6	0.40	0.90	0.86	1.13	1.01
M	6	0.20		0.90		
T	6	0.00		1.09		
B	8	0.50	1.00	0.83	1.38	1.38
M	8	0.25		1.35		
T	8	0.00		1.50		
B	10	0.50	1.00	1.04	1.16	1.16
M	10	0.25		1.41		
T	10	0.00		1.55		
B	12	0.50	0.50	0.58	0.45	0.23
M	12	0.25		0.90		
T	12	0.00		1.33		
South Bank	14	0.00		0.00		0.00
			Total Volumetric Discharge (ft^3/s)			4.9
			(gpm)			2,198
			(L/s)			139

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 01 (SW-GB-01)
Date: January 26, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/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
Chemours Fayetteville Works, North Carolina

Q1 2022 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 2022[1]	01/26/2022	18.2	18,241,000	15.5	11,780,646
	01/27/2022	13.9	13,888,000	4.5	2,604,000
	1/26/2022 8:30:00 AM to 1/27/2022 4:30:00 AM			20	14,384,646

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 4:30 am on 1/27/2022 approximated based on flow rates for 1/26/2022 and 1/27/2022.
Acronyms:
gal - gallons
MGD - millions of gallons per day

TABLE B9-1
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Q1 2022 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 2022	Upstream River Water and Groundwater	1/26/2022 9:30	William O Huske Lock and Dam	--	1/26/2022 9:30	--	6,680
	Tarheel (Composite Sample)	1/27/2022 11:54	William O Huske Lock and Dam	7	1/27/2022 7:45	3,910	--
	Tarheel (Grab Sample)	1/26/2022 16:40	William O Huske Lock and Dam	7	1/26/2022 12:45	--	6,560
	Bladen Bluff	1/26/2022 16:10	William O Huske Lock and Dam	5	1/26/2022 13:15	--	6,560
	Kings Bluff	1/28/2022 12:00	Cape Fear River Lock and Dam #1	--	1/28/2022 12:00	--	5,350

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, North Carolina.

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:

ft^3/s - cubic feet per second
hr - hours
MGD - millions of gallons per day

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
1/26/2022 0:00	6,940	46,723,203	4.30	0
1/26/2022 0:15	6,940	46,723,203	4.30	0
1/26/2022 0:30	6,940	46,723,203	4.30	0
1/26/2022 0:45	6,940	46,723,203	4.30	0
1/26/2022 1:00	6,910	46,521,230	4.29	0
1/26/2022 1:15	6,940	46,723,203	4.30	0
1/26/2022 1:30	6,910	46,521,229	4.29	0
1/26/2022 1:45	6,940	46,723,203	4.30	0
1/26/2022 2:00	6,910	46,521,229	4.29	0
1/26/2022 2:15	6,910	46,521,229	4.29	0
1/26/2022 2:30	6,910	46,521,230	4.29	0
1/26/2022 2:45	6,850	46,117,282	4.27	0
1/26/2022 3:00	6,830	45,982,633	4.26	0
1/26/2022 3:15	6,830	45,982,634	4.26	0
1/26/2022 3:30	6,830	45,982,633	4.26	0
1/26/2022 3:45	6,800	45,780,660	4.25	0
1/26/2022 4:00	6,800	45,780,660	4.25	0
1/26/2022 4:15	6,830	45,982,633	4.26	0
1/26/2022 4:30	6,800	45,780,660	4.25	0
1/26/2022 4:45	6,770	45,578,687	4.24	0
1/26/2022 5:00	6,770	45,578,686	4.24	0
1/26/2022 5:15	6,770	45,578,686	4.24	0
1/26/2022 5:30	6,770	45,578,687	4.24	0
1/26/2022 5:45	6,770	45,578,686	4.24	0
1/26/2022 6:00	6,740	45,376,713	4.23	0
1/26/2022 6:15	6,740	45,376,713	4.23	0
1/26/2022 6:30	6,710	45,174,739	4.22	0
1/26/2022 6:45	6,800	45,780,660	4.25	0
1/26/2022 7:00	6,800	45,780,660	4.25	0
1/26/2022 7:15	6,800	45,780,660	4.25	0
1/26/2022 7:30	6,740	45,376,713	4.23	0
1/26/2022 7:45	6,770	45,578,687	4.24	0
1/26/2022 8:00	6,740	45,376,713	4.23	0
1/26/2022 8:15	6,740	45,376,713	4.23	0
1/26/2022 8:30	6,740	45,376,713	4.23	0
1/26/2022 8:45	6,740	45,376,713	4.23	0
1/26/2022 9:00	6,740	45,376,713	4.23	0
1/26/2022 9:15	6,710	45,174,740	4.22	0
1/26/2022 9:30	6,680	44,972,766	4.21	0
1/26/2022 9:45	6,680	44,972,766	4.21	0
1/26/2022 10:00	6,680	44,972,766	4.21	0
1/26/2022 10:15	6,650	44,770,792	4.20	0
1/26/2022 10:30	6,620	44,568,819	4.19	0
1/26/2022 10:45	6,620	44,568,819	4.19	0
1/26/2022 11:00	6,620	44,568,819	4.19	0
1/26/2022 11:15	6,650	44,770,792	4.20	0
1/26/2022 11:30	6,590	44,366,846	4.18	0
1/26/2022 11:45	6,590	44,366,845	4.18	0
1/26/2022 12:00	6,590	44,366,845	4.18	0
1/26/2022 12:15	6,560	44,164,872	4.17	0
1/26/2022 12:30	6,530	43,962,898	4.16	0
1/26/2022 12:45	6,560	44,164,872	4.17	0
1/26/2022 13:00	6,530	43,962,899	4.16	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
1/26/2022 13:15	6,560	44,164,872	4.17	0
1/26/2022 13:30	6,530	43,962,898	4.16	0
1/26/2022 13:45	6,510	43,828,250	4.15	0
1/26/2022 14:00	6,530	43,962,898	4.16	0
1/26/2022 14:15	6,560	44,164,872	4.17	0
1/26/2022 14:30	6,530	43,962,899	4.16	0
1/26/2022 14:45	6,480	43,626,276	4.14	0
1/26/2022 15:00	6,480	43,626,276	4.14	0
1/26/2022 15:15	6,480	43,626,276	4.14	0
1/26/2022 15:30	6,450	43,424,302	4.13	0
1/26/2022 15:45	6,450	43,424,302	4.13	0
1/26/2022 16:00	6,420	43,222,329	4.12	0
1/26/2022 16:15	6,450	43,424,302	4.13	0
1/26/2022 16:30	6,420	43,222,329	4.12	0
1/26/2022 16:45	6,420	43,222,329	4.12	0
1/26/2022 17:00	6,420	43,222,329	4.12	0
1/26/2022 17:15	6,420	43,222,329	4.12	0
1/26/2022 17:30	6,360	42,818,382	4.10	0
1/26/2022 17:45	6,390	43,020,355	4.11	0
1/26/2022 18:00	6,360	42,818,382	4.10	0
1/26/2022 18:15	6,360	42,818,382	4.10	0
1/26/2022 18:30	6,360	42,818,382	4.10	0
1/26/2022 18:45	6,360	42,818,382	4.10	0
1/26/2022 19:00	6,360	42,818,382	4.10	0
1/26/2022 19:15	6,330	42,616,408	4.09	0
1/26/2022 19:30	6,330	42,616,408	4.09	0
1/26/2022 19:45	6,330	42,616,409	4.09	0
1/26/2022 20:00	6,300	42,414,435	4.08	0
1/26/2022 20:15	6,300	42,414,435	4.08	0
1/26/2022 20:30	6,300	42,414,435	4.08	0
1/26/2022 20:45	6,270	42,212,461	4.07	0
1/26/2022 21:00	6,270	42,212,461	4.07	0
1/26/2022 21:15	6,270	42,212,462	4.07	0
1/26/2022 21:30	6,270	42,212,461	4.07	0
1/26/2022 21:45	6,270	42,212,461	4.07	0
1/26/2022 22:00	6,250	42,077,813	4.06	0
1/26/2022 22:15	6,250	42,077,812	4.06	0
1/26/2022 22:30	6,250	42,077,812	4.06	0
1/26/2022 22:45	6,250	42,077,813	4.06	0
1/26/2022 23:00	6,250	42,077,812	4.06	0
1/26/2022 23:15	6,220	41,875,839	4.05	0
1/26/2022 23:30	6,220	41,875,839	4.05	0
1/26/2022 23:45	6,220	41,875,839	4.05	0
1/27/2022 0:00	6,190	41,673,865	4.04	0
1/27/2022 0:15	6,190	41,673,866	4.04	0
1/27/2022 0:30	6,190	41,673,865	4.04	0
1/27/2022 0:45	6,190	41,673,865	4.04	0
1/27/2022 1:00	6,190	41,673,866	4.04	0
1/27/2022 1:15	6,160	41,471,892	4.03	0
1/27/2022 1:30	6,160	41,471,892	4.03	0
1/27/2022 1:45	6,130	41,269,919	4.02	0
1/27/2022 2:00	6,160	41,471,892	4.03	0
1/27/2022 2:15	6,130	41,269,918	4.02	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
1/27/2022 2:30	6,130	41,269,919	4.02	0
1/27/2022 2:45	6,130	41,269,918	4.02	0
1/27/2022 3:00	6,130	41,269,918	4.02	0
1/27/2022 3:15	6,130	41,269,919	4.02	0
1/27/2022 3:30	6,100	41,067,945	4.01	0
1/27/2022 3:45	6,080	40,933,296	4.00	0
1/27/2022 4:00	6,080	40,933,296	4.00	0
1/27/2022 4:15	6,080	40,933,296	4.00	0
1/27/2022 4:30	6,080	40,933,296	4.00	0
1/27/2022 4:45	6,080	40,933,296	4.00	0
1/27/2022 5:00	6,050	40,731,322	3.99	0
1/27/2022 5:15	6,050	40,731,322	3.99	0
1/27/2022 5:30	6,020	40,529,349	3.98	0
1/27/2022 5:45	6,020	40,529,349	3.98	0
1/27/2022 6:00	6,020	40,529,349	3.98	0
1/27/2022 6:15	6,020	40,529,349	3.98	0
1/27/2022 6:30	5,990	40,327,375	3.97	0
1/27/2022 6:45	5,990	40,327,375	3.97	0
1/27/2022 7:00	5,960	40,125,402	3.96	0
1/27/2022 7:15	5,960	40,125,402	3.96	0
1/27/2022 7:30	5,940	39,990,753	3.95	0
1/27/2022 7:45	5,940	39,990,753	3.95	0
1/27/2022 8:00	5,910	39,788,779	3.94	0
1/27/2022 8:15	5,910	39,788,779	3.94	0
1/27/2022 8:30	5,910	39,788,780	3.94	0
1/27/2022 8:45	5,880	39,586,806	3.93	0
1/27/2022 9:00	5,880	39,586,806	3.93	0
1/27/2022 9:15	5,850	39,384,833	3.92	0
1/27/2022 9:30	5,850	39,384,832	3.92	0
1/27/2022 9:45	5,830	39,250,183	3.91	0
1/27/2022 10:00	5,830	39,250,184	3.91	0
1/27/2022 10:15	5,830	39,250,183	3.91	0
1/27/2022 10:30	5,800	39,048,210	3.90	0
1/27/2022 10:45	5,800	39,048,210	3.90	0
1/27/2022 11:00	5,770	38,846,236	3.89	0
1/27/2022 11:15	5,750	38,711,587	3.88	0
1/27/2022 11:30	5,750	38,711,588	3.88	0
1/27/2022 11:45	5,720	38,509,614	3.87	0
1/27/2022 12:00	5,720	38,509,614	3.87	0
1/27/2022 12:15	5,720	38,509,614	3.87	0
1/27/2022 12:30	5,690	38,307,640	3.86	0
1/27/2022 12:45	5,690	38,307,640	3.86	0
1/27/2022 13:00	5,690	38,307,641	3.86	0
1/27/2022 13:15	5,660	38,105,667	3.85	0
1/27/2022 13:30	5,660	38,105,667	3.85	0
1/27/2022 13:45	5,640	37,971,018	3.84	0
1/27/2022 14:00	5,640	37,971,018	3.84	0
1/27/2022 14:15	5,640	37,971,018	3.84	0
1/27/2022 14:30	5,610	37,769,045	3.83	0
1/27/2022 14:45	5,610	37,769,044	3.83	0
1/27/2022 15:00	5,580	37,567,071	3.82	0
1/27/2022 15:15	5,530	37,230,449	3.80	0
1/27/2022 15:30	5,530	37,230,448	3.80	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
1/27/2022 15:45	5,500	37,028,475	3.79	0
1/27/2022 16:00	5,480	36,893,826	3.78	0
1/27/2022 16:15	5,500	37,028,475	3.79	0
1/27/2022 16:30	5,480	36,893,826	3.78	0
1/27/2022 16:45	5,450	36,691,853	3.77	0
1/27/2022 17:00	5,450	36,691,852	3.77	0
1/27/2022 17:15	5,420	36,489,879	3.76	0
1/27/2022 17:30	5,420	36,489,879	3.76	0
1/27/2022 17:45	5,400	36,355,230	3.75	0
1/27/2022 18:00	5,400	36,355,230	3.75	0
1/27/2022 18:15	5,400	36,355,230	3.75	0
1/27/2022 18:30	5,400	36,355,230	3.75	0
1/27/2022 18:45	5,370	36,153,256	3.74	0
1/27/2022 19:00	5,370	36,153,257	3.74	0
1/27/2022 19:15	5,370	36,153,256	3.74	0
1/27/2022 19:30	5,350	36,018,607	3.73	0
1/27/2022 19:45	5,350	36,018,608	3.73	0
1/27/2022 20:00	5,350	36,018,607	3.73	0
1/27/2022 20:15	5,320	35,816,634	3.72	0
1/27/2022 20:30	5,320	35,816,634	3.72	0
1/27/2022 20:45	5,320	35,816,634	3.72	0
1/27/2022 21:00	5,290	35,614,660	3.71	0
1/27/2022 21:15	5,290	35,614,661	3.71	0
1/27/2022 21:30	5,290	35,614,660	3.71	0
1/27/2022 21:45	5,320	35,816,634	3.72	0
1/27/2022 22:00	5,350	36,018,608	3.73	0
1/27/2022 22:15	5,320	35,816,634	3.72	0
1/27/2022 22:30	5,320	35,816,634	3.72	0
1/27/2022 22:45	5,290	35,614,661	3.71	0
1/27/2022 23:00	5,290	35,614,660	3.71	0
1/27/2022 23:15	5,290	35,614,660	3.71	0
1/27/2022 23:30	5,270	35,480,012	3.70	0
1/27/2022 23:45	5,270	35,480,012	3.70	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.

ft^3/sec - cubic feet per second
ft - feet
gal - gallons
in - inches
USGS - United States Geological Survey

TABLE B10
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
1/28/2022	12:00:00 AM	5,740	900	38,644,263
1/28/2022	12:15:00 AM	5,740	900	38,644,263
1/28/2022	12:30:00 AM	5,740	900	38,644,263
1/28/2022	12:45:00 AM	5,710	900	38,442,289
1/28/2022	1:00:00 AM	5,740	900	38,644,263
1/28/2022	1:15:00 AM	5,710	900	38,442,289
1/28/2022	1:30:00 AM	5,710	900	38,442,289
1/28/2022	1:45:00 AM	5,680	900	38,240,316
1/28/2022	2:00:00 AM	5,680	900	38,240,316
1/28/2022	2:15:00 AM	5,680	900	38,240,316
1/28/2022	2:30:00 AM	5,650	900	38,038,343
1/28/2022	2:45:00 AM	5,680	900	38,240,316
1/28/2022	3:00:00 AM	5,650	900	38,038,342
1/28/2022	3:15:00 AM	5,650	900	38,038,343
1/28/2022	3:30:00 AM	5,630	900	37,903,693
1/28/2022	3:45:00 AM	5,630	900	37,903,693
1/28/2022	4:00:00 AM	5,630	900	37,903,694
1/28/2022	4:15:00 AM	5,630	900	37,903,693
1/28/2022	4:30:00 AM	5,630	900	37,903,693
1/28/2022	4:45:00 AM	5,600	900	37,701,720
1/28/2022	5:00:00 AM	5,600	900	37,701,720
1/28/2022	5:15:00 AM	5,570	900	37,499,746
1/28/2022	5:30:00 AM	5,600	900	37,701,720
1/28/2022	5:45:00 AM	5,570	900	37,499,746
1/28/2022	6:00:00 AM	5,570	900	37,499,746
1/28/2022	6:15:00 AM	5,570	900	37,499,747
1/28/2022	6:30:00 AM	5,570	900	37,499,746
1/28/2022	6:45:00 AM	5,550	900	37,365,097
1/28/2022	7:00:00 AM	5,550	900	37,365,098
1/28/2022	7:15:00 AM	5,520	900	37,163,124
1/28/2022	7:30:00 AM	5,490	900	36,961,150
1/28/2022	7:45:00 AM	5,490	900	36,961,151
1/28/2022	8:00:00 AM	5,490	900	36,961,150
1/28/2022	8:15:00 AM	5,490	900	36,961,150
1/28/2022	8:30:00 AM	5,490	900	36,961,151
1/28/2022	8:45:00 AM	5,460	900	36,759,177
1/28/2022	9:00:00 AM	5,460	900	36,759,177
1/28/2022	9:15:00 AM	5,440	900	36,624,528
1/28/2022	9:30:00 AM	5,440	900	36,624,528
1/28/2022	9:45:00 AM	5,440	900	36,624,528
1/28/2022	10:00:00 AM	5,440	900	36,624,528
1/28/2022	10:15:00 AM	5,410	900	36,422,554
1/28/2022	10:30:00 AM	5,410	900	36,422,554
1/28/2022	10:45:00 AM	5,380	900	36,220,581
1/28/2022	11:00:00 AM	5,380	900	36,220,581
1/28/2022	11:15:00 AM	5,350	900	36,018,607
1/28/2022	11:30:00 AM	5,380	900	36,220,581
1/28/2022	11:45:00 AM	5,350	900	36,018,607
1/28/2022	12:00:00 PM	5,350	900	36,018,607
1/28/2022	12:15:00 PM	5,330	900	35,883,959
1/28/2022	12:30:00 PM	5,330	900	35,883,958
1/28/2022	12:45:00 PM	5,330	900	35,883,958
1/28/2022	1:00:00 PM	5,300	900	35,681,985
1/28/2022	1:15:00 PM	5,300	900	35,681,985
1/28/2022	1:30:00 PM	5,300	900	35,681,985
1/28/2022	1:45:00 PM	5,300	900	35,681,985
1/28/2022	2:00:00 PM	5,270	900	35,480,011
1/28/2022	2:15:00 PM	5,240	900	35,278,038
1/28/2022	2:30:00 PM	5,240	900	35,278,038
1/28/2022	2:45:00 PM	5,220	900	35,143,389

TABLE B10
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
1/28/2022	3:00:00 PM	5,220	900	35,143,389
1/28/2022	3:15:00 PM	5,220	900	35,143,389
1/28/2022	3:30:00 PM	5,220	900	35,143,389
1/28/2022	3:45:00 PM	5,190	900	34,941,415
1/28/2022	4:00:00 PM	5,160	900	34,739,442
1/28/2022	4:15:00 PM	5,160	900	34,739,442
1/28/2022	4:30:00 PM	5,160	900	34,739,442
1/28/2022	4:45:00 PM	5,140	900	34,604,793
1/28/2022	5:00:00 PM	5,140	900	34,604,793
1/28/2022	5:15:00 PM	5,140	900	34,604,793
1/28/2022	5:30:00 PM	5,110	900	34,402,820
1/28/2022	5:45:00 PM	5,110	900	34,402,819
1/28/2022	6:00:00 PM	5,080	900	34,200,846
1/28/2022	6:15:00 PM	5,080	900	34,200,846
1/28/2022	6:30:00 PM	5,080	900	34,200,846
1/28/2022	6:45:00 PM	5,110	900	34,402,819
1/28/2022	7:00:00 PM	5,060	900	34,066,197
1/28/2022	7:15:00 PM	5,000	900	33,662,250
1/28/2022	7:30:00 PM	5,000	900	33,662,250
1/28/2022	7:45:00 PM	5,000	900	33,662,250
1/28/2022	8:00:00 PM	4,980	900	33,527,601
1/28/2022	8:15:00 PM	4,980	900	33,527,601
1/28/2022	8:30:00 PM	4,950	900	33,325,628
1/28/2022	8:45:00 PM	4,950	900	33,325,627
1/28/2022	9:00:00 PM	4,920	900	33,123,654
1/28/2022	9:15:00 PM	4,900	900	32,989,005
1/28/2022	9:30:00 PM	4,900	900	32,989,005
1/28/2022	9:45:00 PM	4,900	900	32,989,005
1/28/2022	10:00:00 PM	4,870	900	32,787,032
1/28/2022	10:15:00 PM	4,870	900	32,787,031
1/28/2022	10:30:00 PM	4,840	900	32,585,058
1/28/2022	10:45:00 PM	4,840	900	32,585,058
1/28/2022	11:00:00 PM	4,820	900	32,450,409
1/28/2022	11:15:00 PM	4,790	900	32,248,435
1/28/2022	11:30:00 PM	4,790	900	32,248,436
1/28/2022	11:45:00 PM	4,790	900	32,248,436

Notes

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

ft^3/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

TABLE B11
CHEMOURS FACILITY INTAKE FLOW RATE
Chemours Fayetteville Works, North Carolina

Q1 2022 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 2022[1]	1/26/2022	12,537	18,053,414	11.9	8,951,484
	1/27/2022	12,628	18,184,454	11.10	8,410,310
	1/26/2022 12:06 pm to 1/27/2022 11:06 am			23.0	17,361,794

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 11:06 am on 1/27/2022 approximated based on flow rates for 1/26/2022 and 1/27/2022.
Acronyms:
gal - gallons
gpm - gallons per minute

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_1_Q1	3/28/20 1:00	3/31/20 12:30	90,900,221	0.29	2.5	0.83	0.10	0	0	1.2	0	0	0	0	0.75	0	0	0	0	0.10	0	0	0	1.3	4.9	4.9	5.8
2020_2_Q1	3/31/20 12:30	4/2/20 13:30	27,756,145	0.28	1.2	0.39	0.09	0	0	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	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	1.1	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	1.6	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	2.4	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	1.6	0.61	0.14	0	0.38	0.95	0	0	0	0	0.54	0	0	0	0	0	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	1.4	0.53	0.14	0	0.15	0.70	0	0	0	0	0.47	0	0	0	0	0	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	1.5	0.54	0.14	0	0	0.60	0	0	0	0.21	0.66	0	0.08	0	0	0	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	1.4	0.55	0.13	0	0	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	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	1.5	0.89	0.19	0	0	1.3	0	0	0	1.1	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	1.3	0.72	0.15	0	0	1.1	0	0	0	0.80	0.88	0	0	0	0	0	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	1.5	0.63	0.17	0	0	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
Q1 2020 Totals	***3/28/20 1:00***	***5/9/20 23:49***	***514,568,356***	***4.7***	***20***	***7.8***	***1.8***	***0***	***0.88***	***10***	***0***	***0***	***0***	***4.1***	***8.0***	***0***	***0.72***	***0***	***0***	***0.81***	***0***	***0***	***0***	***1.8***	***45***	***46***	***59***
2020_1_Q2	5/9/20 23:49	5/13/20 9:49	15,999,330	0.21	1.1	0.43	0.11	0	0	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	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	0.02	0	0	0	0.01	0.04	0	0	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	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	1.3	0.50	0.11	0	0	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	2.9	13	5.1	1.1	0	0	3.5	2.2	0	0	1.6	6.2	0	0.41	0	0	1.1	0	0	0	NA	28	29	38
2020_7_Q2	5/25/20 10:15	5/29/20 9:10	171,453,975	0.56	0	0.75	0	0	0	0	0	0	0	0	0.29	0	0	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	0	0	0	0	0	0	0.20	0.24	0	0	0	0	0	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	1.3	0.83	0	0	0	2.33	0	0	0	0.20	0.71	0	0	0	0	0	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	0	0	1.8	0	0	0	0.62	0.75	0	0	0	0	0	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	1.5	0	0	0	0.49	0.53	0	0	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	1.6	0	0	0	0.28	0.47	0	0	0	0	0	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	1.4	0.98	1.6	0.34	0	0	3.2	0	0	0	0.45	0.64	0	0	0	0	0	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	0	0	2.5	0	0	0	0.67	0.49	0	0	0	0	0	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	2.1	0.92	0.20	0	0	1.4	0	0	0	0.78	0.85	0	0	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	1.8	0.66	0.15	0	0	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
Q2 2020 Totals	***5/9/20 23:49***	***6/29/20 16:06***	***1,308,580,748***	***11***	***26***	***15***	***2.4***	***0***	***0***	***20***	***3.6***	***0.62***	***0***	***6.3***	***13***	***0***	***0.63***	***0***	***0***	***2.1***	***0***	***0***	***0***	***0***	***79***	***80***	***102***
2020_1_Q3	6/29/20 16:06	7/2/20 8:29	16,684,371	0.32	0	0.42	0.09	0	0	0.45	0	0	0	0.07	0.20	0	0.05	0	0	0	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	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	1.2	0.43	0.09	0	0	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	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	1.1	0.35	0.07	0	0	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	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	1.0	0.39	0.09	0	0	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	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	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	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	1.1	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	0	0	0	0	0	0	0.02	0	0	0	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	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	0.14	0.04	0	0.01	0.13	0	0	0	0.06	0.13	0	0.02	0	0	0	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	0	0	0	NA	0.6	0.6	0.8

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_16_Q3	7/23/20 23:01	7/27/20 0:01	20,315,242	0.35	1.1	0.49	0.11	0	0.02	0.24	0	0	0	0.29	0.44	0	0.08	0	0	0	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	0	0	0	0	0.04	0.04	0	0.01	0	0	0	0	0	0	NA	0.2	0.3	0.3
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	0	0	0	0	0.05	0.06	0	0.03	0	0	0	0	0	0	NA	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	0	0	0	0	0	0.01	0	0.01	0	0	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	0	0	0	0	0	0.13	0	0.02	0	0	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	0	0	0	0	0	0.17	0	0.03	0	0	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	1.4	0.63	0.16	0	0	0.32	0	0	0	0	0.60	0	0.09	0	0	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	0.21	0	0	0	0	0.17	0	0.02	0	0	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	0.70	0	0	0	0	0.53	0	0.04	0	0	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	0	0	0	0	0	0	0	0.05	0	0	0	0	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	0	0	0	0	0	0.07	0	0	0	0	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	0.28	0.08	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0.08	0.15	0	0	0	0	0.04	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	0	0	0	0	0.13	0.27	0	0	0	0	0.07	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	1.4	0.59	0.07	0	0	0	0	0	0	0.39	0.74	0	0	0	0	0.13	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	0	0	0	0	0	0	0.11	0.19	0	0	0	0	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	1.2	0.55	0.07	0	0	0	0	0	0	0.30	0.52	0	0	0	0	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	0	0	0	0	0.12	0.22	0	0	0	0	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	2.4	1.1	0.22	0	0	0	0	0	0	0.25	0.45	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	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	0.15	0	0	0	0.03	0.15	0	0	0	0	0.02	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	1.8	0.64	0.14	0	0	0.59	0	0	0	0.17	0.66	0	0.03	0	0	0.08	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	1.8	0.71	0.17	0	0	0.47	0	0	0	0.22	0.70	0	0.04	0	0	0.07	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	0	0	0	0	0.05	0.12	0	0	0	0	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	0	0	0	0	0.05	0.36	0	0	0	0	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	0	0	0	0	0	0.11	0	0	0	0	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	0.17	0	0	0	0.08	0.32	0	0.02	0	0	0.04	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	0.12	0	0	0	0.06	0.16	0	0.01	0	0	0.02	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	0.24	0	0	0	0.14	0.51	0	0.06	0	0	0.05	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	0	0	0	0	0.02	0.11	0	0.02	0	0	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	0.14	0	0	0	0.06	0.22	0	0.04	0	0	0.01	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	0.12	0.03	0	0	0.12	0	0	0	0.04	0.11	0	0.02	0	0	0.01	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	0.12	0.03	0	0	0.15	0	0	0	0.16	0.15	0	0.02	0	0	0.02	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	1.1	0	0	0	0.75	0.81	0	0.08	0	0	0.11	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	0	0	0.53	0	0	0	0	0.15	0	0	0	0	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	0.85	0	0	0	0	0.27	0	0	0	0	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	0.32	0	0	0	0	0.11	0	0	0	0	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	0.35	0	0	0	0	0.15	0	0	0	0	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	0.68	0	0	0	0	0.26	0	0	0	0	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	0.94	0	0	0	0	0.29	0	0	0	0	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	0	0	0.73	0	0	0	0	0.16	0	0	0	0	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	0	0	0	0	0	0	0	0.12	0	0	0	0	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	0.72	0	0	0	0.21	0.35	0	0	0	0	0.08	0	0	0	0.14	2.1	2.1	2.8
Q3 2020 Totals	***6/29/20 16:06***	***10/1/20 0:01***	***1,036,211,393***	***12***	***30***	***17***	***3.5***	***0.88***	***0.08***	***13***	***0.50***	***0***	***0***	***5.6***	***14***	***0***	***1.1***	***0***	***0***	***1.2***	***0***	***0***	***0***	***3.2***	***77***	***78***	***100***
2020_1_Q4	10/1/20 0:01	10/1/20 17:01	22,630,824	0.12	0.07	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.33	0.33	0.33
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	0	0	0	0	0	0.24	0	0	0	0	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	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.07	0.07	0.09

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
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	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.17	0.17	0.21
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	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.24	0.24	0.29
2020_6_Q4	10/8/20 16:30	10/12/20 0:01	18,702,796	0.34	0.57	0.42	0.16	0	0.03	0.31	0	0	0	0.19	0.27	0	0.03	0	0	0.04	0	0	0	0.09	1.9	2.0	2.5
2020_7_Q4	10/12/20 0:01	10/12/20 23:01	9,731,254	0.22	0.53	0.29	0.13	0	0.03	0.32	0	0	0	0.19	0.20	0	0.03	0	0	0.05	0	0	0	0.04	1.6	1.7	2.1
2020_8_Q4	10/12/20 23:01	10/15/20 0:01	47,688,854	0.66	1.6	0.88	0.31	0	0.08	0.79	0	0	0	0.56	0.62	0	0.07	0	0	0.11	0	0	0	0.19	4.6	4.7	6.0
2020_9_Q4	10/15/20 0:01	10/15/20 23:01	20,096,070	0.09	0.30	0.14	0	0	0	0	0	0	0	0.07	0.10	0	0	0	0	0	0	0	0	0.08	0.53	0.53	0.70
2020_10_Q4	10/15/20 23:01	10/19/20 0:01	54,708,233	0.29	0.90	0.40	0	0	0	0	0	0	0	0.21	0.31	0	0	0	0	0	0	0	0	0.25	1.6	1.6	2.1
2020_11_Q4	10/19/20 0:01	10/19/20 23:01	17,102,073	0.10	0.31	0.13	0	0	0	0	0	0	0	0.07	0.11	0	0	0	0	0	0	0	0	0.09	0.54	0.54	0.72
2020_12_Q4	10/19/20 23:01	10/22/20 0:01	30,272,040	0.20	0.38	0.24	0	0	0	0.42	0	0	0	0.06	0.09	0	0	0	0	0	0	0	0	0.16	1.2	1.2	1.4
2020_13_Q4	10/22/20 0:01	10/22/20 23:01	11,426,018	0.08	0.08	0.09	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.58	0.58	0.58
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	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	0	0	0	0	0.10	0.08	0	0.03	0	0	0.03	0	0	0	0.04	0.51	0.55	0.75
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	0.20	0	0	0	0.09	0.06	0	0.04	0	0	0.02	0	0	0	0.05	0.67	0.71	0.88
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	0.28	0	0	0	0.06	0.07	0	0.05	0	0	0.01	0	0	0	0.07	0.81	0.86	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	0	0	0.30	0	0	0	0	0.06	0	0.05	0	0	0	0	0	0	0.09	0.75	0.80	0.86
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	0.66	0	0	0	0	0.13	0	0.05	0	0	0	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	0.25	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.64	0.64	0.69
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	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	0.12	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.48	0.50	0.68
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	0.06	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.47	0.48	0.68
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	0	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.41	0.43	0.62
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	1.1	1.1	1.1	0.24	0	0.12	1.1	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	1.5	1.4	1.9	0	0	0	0	0	0	0	1.1	0.43	0	0	0	0	0	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	0	0	0	0	0	0	0.45	0.25	0	0	0	0	0	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	1.6	0.78	0	0	0	0	0	0	0	0.60	0.48	0	0	0	0	0	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	0	0	0	0	0	0	0.09	0.09	0	0	0	0	0	0	0	0	0.12	0.82	0.82	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	0	0	0	0	0	0	0.09	0.10	0	0	0	0	0	0	0	0	0.13	0.83	0.83	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	0	0	0	0	0	0	0.08	0.08	0	0	0	0	0	0	0	0	0.11	0.68	0.68	0.83
2020_33_Q4	11/26/20 23:01	11/30/20 0:01	42,065,553	0.54	1.1	0.45	0.07	0	0	0.57	0	0	0	0.26	0.29	0	0	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	0.40	0	0	0	0.12	0.14	0	0	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	1.3	0.57	0.10	0	0	1.7	0	0	0	0.38	0.39	0	0	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	0	0	0.82	0	0	0	0.11	0.09	0	0	0	0	0	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	0	0	1.1	0	0	0	0.40	0.35	0	0	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	0	0	0	0	0	0	0.15	0.14	0	0	0	0	0.07	0	0	0	0.11	0.60	0.60	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	0	0	0	0	0	0	0.16	0.15	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.60	0.60	0.60
2020_41_Q4	12/10/20 23:01	12/13/20 0:01	31,261,119	0.23	0.67	0.23	0	0	0	0	0	0	0	0.12	0.11	0	0	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	0	0	0	0	0	0	0.09	0.08	0	0	0	0	0.03	0	0	0	0.06	0.51	0.51	0.70
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	0	0	0	0	0.01	0.01	0	0	0	0	0.00	0	0	0	0.00	0.05	0.05	0.06
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	0	0	0	0	0.04	0.04	0	0	0	0	0.01	0	0	0	0.02	0.26	0.26	0.35
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	0.21	0	0	0	0.06	0.13	0	0	0	0	0.02	0	0	0	0.06	0.91	0.94	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	0.64	0	0	0	0.10	0.27	0	0	0	0	0	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	1.3	0.51	0	0	0	0	0	0	0	0.57	0.40	0	0	0	0	0	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	0	0	0	0	0	0	0.11	0.21	0	0	0	0	0	0	0	0	0.24	0.81	0.81	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	0	0	0	0	0	0	0.28	0.31	0	0	0	0	0	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	1.4	1.6	1.1	0	0	0	0	0	0	0	1.2	1.2	0	0	0	0	0	0	0	0	0.66	4.0	4.0	6.4

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_51_Q4	12/28/20 15:00	12/30/20 10:56	73,223,967	0.27	0.44	0.27	0	0	0	0	0	0	0	0.21	0.23	0	0	0	0	0.10	0	0	0	0.25	1.0	1.0	1.5
Q4 2020 Totals	***10/1/20 0:01***	***12/30/20 10:56***	***2,118,736,971***	***16***	***27***	***17***	***1.8***	***0.61***	***0.35***	***13***	***0.59***	***0***	***0***	***10***	***9.9***	***0***	***0.65***	***0***	***0***	***1.5***	***0***	***0***	***0***	***8.5***	***76***	***77***	***99***
2021_1_Q1	12/30/20 10:56	1/6/21 12:10	334,627,822	1.2	2.5	1.4	0	0	0	0	0	0	0	0.94	0.72	0	0	0	0	0.47	0	0	0	0.59	5.1	5.1	7.2
2021_2_Q1	1/6/21 12:10	1/7/21 11:00	45,269,293	0.14	0.07	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37	0.37	0.37
2021_3_Q1	1/7/21 11:00	1/11/21 10:30	161,851,166	0.73	1.1	0.76	0	0	0	0	0	0	0	0.32	0.23	0	0	0	0	0	0	0	0	0	2.5	2.5	3.1
2021_4_Q1	1/11/21 10:30	1/14/21 12:40	80,160,009	0.60	1.4	0.63	0.08	0	0	0	0	0	0	0.34	0.28	0	0	0	0	0	0	0	0	0	2.7	2.7	3.3
2021_5_Q1	1/14/21 12:40	1/21/21 0:01	101,278,798	0.95	2.1	0.93	0.10	0	0	0.71	0	0	0	0.52	0.58	0	0	0	0	0	0	0	0	0.12	4.8	4.8	5.9
2021_6_Q1	1/21/21 0:01	1/22/21 0:01	12,924,035	0.12	0.27	0.11	0	0	0	0.18	0	0	0	0.07	0.09	0	0	0	0	0	0	0	0	0.03	0.68	0.68	0.85
2021_7_Q1	1/22/21 0:01	1/22/21 23:01	11,886,280	0.12	0.27	0.10	0	0	0	0.17	0	0	0	0.08	0.09	0	0	0	0	0	0	0	0	0.03	0.66	0.66	0.83
2021_8_Q1	1/22/21 23:01	1/26/21 15:00	38,714,509	0.52	1.14	0.41	0.06	0	0	0.66	0	0	0	0.51	0.34	0	0.06	0	0	0.08	0	0	0	0.09	2.8	2.9	3.8
2021_9_Q1	1/26/21 15:00	1/26/21 16:10	630,758	0.01	0.02	0.01	0.00	0	0	0.01	0	0	0	0.01	0.01	0	0.00	0	0	0.00	0	0	0	0.00	0.06	0.06	0.08
2021_10_Q1	1/26/21 16:10	1/27/21 0:01	4,979,036	0.05	0.11	0.06	0.01	0	0	0.09	0	0	0	0.05	0.04	0	0	0	0	0.02	0	0	0	0.02	0.33	0.33	0.44
2021_11_Q1	1/27/21 0:01	1/27/21 15:10	12,789,729	0.13	0.29	0.14	0.01	0	0	0.23	0	0	0	0.10	0.09	0	0	0	0	0.04	0	0	0	0.03	0.80	0.80	1.0
2021_12_Q1	1/27/21 15:10	1/28/21 0:01	9,642,566	0.09	0.22	0.09	0	0	0	0.16	0	0	0	0.07	0.06	0	0	0	0	0.03	0	0	0	0.02	0.56	0.56	0.71
2021_13_Q1	1/28/21 0:01	1/28/21 23:01	29,998,584	0.22	0.48	0.21	0	0	0	0.42	0	0	0	0.18	0.14	0	0	0	0	0	0	0	0	0.07	1.3	1.3	1.7
2021_14_Q1	1/28/21 23:01	2/1/21 10:05	129,039,020	0.83	1.6	0.76	0	0	0	1.7	0	0	0	0.38	0.49	0	0	0	0	0	0	0	0	0.35	4.9	4.9	5.8
2021_15_Q1	2/1/21 10:05	2/4/21 16:35	157,579,853	0.79	0.68	0.74	0	0	0	1.8	0	0	0	0	0.57	0	0	0	0	0	0	0	0	0.43	4.0	4.0	4.6
2021_16_Q1	2/4/21 16:35	2/8/21 16:00	159,603,375	0.36	0	0.37	0	0	0	0.80	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0.51	1.5	1.5	1.9
2021_17_Q1	2/8/21 16:00	2/11/21 0:01	83,254,162	0.42	1.0	0.34	0	0	0	0.83	0	0	0	0.21	0.25	0	0	0	0	0	0	0	0	0.31	2.6	2.6	3.1
2021_18_Q1	2/11/21 0:01	2/12/21 14:01	32,965,312	0.33	0.79	0.27	0	0	0	0.66	0	0	0	0.17	0.20	0	0	0	0	0	0	0	0	0.12	2.1	2.1	2.4
2021_19_Q1	2/12/21 14:01	2/16/21 12:00	180,462,725	1.3	2.2	1.0	0	0	0	3.2	0	0	0	0.46	0.54	0	0	0	0	0	0	0	0	0.55	7.6	7.6	8.6
2021_20_Q1	2/16/21 12:00	2/19/21 13:35	186,467,284	1.2	0.83	0.71	0	0	0	2.9	0	0	0	0.45	0.28	0	0	0	0	0	0	0	0	0.24	5.6	5.6	6.3
2021_21_Q1	2/19/21 13:35	2/22/21 9:35	164,917,031	1.2	1.3	0.94	0.18	0	0	2.3	0	0	0	0.98	0.51	0	0	0	0	0.17	0	0	0	0	6.1	6.1	7.7
2021_22_Q1	2/22/21 9:35	2/24/21 15:15	93,018,293	0.5	0.70	0.56	0.10	0	0	0.95	0	0	0	0.55	0.26	0	0	0	0	0.10	0	0	0	0	2.9	2.9	3.8
2021_23_Q1	2/24/21 15:15	2/25/21 12:20	35,590,029	0.17	0.29	0.19	0	0	0	0.36	0	0	0	0.14	0.08	0	0	0	0	0	0	0	0	0.06	1.0	1.0	1.2
2021_24_Q1	2/25/21 12:20	3/5/21 0:01	331,411,594	1.7	3.2	1.8	0	0	0	2.0	0	0	0	1.7	1.2	0	0	0	0	0	0	0	0	1.1	8.6	8.6	11
2021_25_Q1	3/5/21 0:01	3/6/21 0:01	43,768,217	0.20	0.53	0.23	0	0	0	0	0	0	0	0.32	0.21	0	0	0	0	0	0	0	0	0.15	0.95	0.95	1.5
2021_26_Q1	3/6/21 0:01	3/6/21 23:01	41,150,891	1.2	0.45	0.19	0	0	0	0	0	0	0	0.26	0.16	0	0	0	0	0	0	0	0	0.16	1.8	1.8	2.2
2021_27_Q1	3/6/21 23:01	3/8/21 0:01	42,955,240	0.73	0.49	0.20	0	0	0	0	0	0	0	0.22	0.13	0	0	0	0	0	0	0	0	0.17	1.4	1.4	1.8
2021_28_Q1	3/8/21 0:01	3/8/21 23:01	38,107,963	0.22	0.46	0.17	0	0	0	0	0	0	0	0.14	0.09	0	0	0	0	0	0	0	0	0.15	0.85	0.85	1.1
2021_29_Q1	3/8/21 23:01	3/11/21 0:01	74,531,356	0.51	1.2	0.44	0	0	0	0.52	0	0	0	0.31	0.24	0	0	0	0	0	0	0	0	0.28	2.7	2.7	3.2
2021_30_Q1	3/11/21 0:01	3/11/21 23:01	25,460,186	0.20	0.51	0.18	0	0	0	0.36	0	0	0	0.11	0.11	0	0	0	0	0	0	0	0	0.09	1.3	1.3	1.5
2021_31_Q1	3/11/21 23:01	3/15/21 0:01	61,556,350	0.49	1.2	0.44	0	0	0	0.86	0	0	0	0.28	0.26	0	0	0	0	0	0	0	0	0.22	3.0	3.0	3.6
2021_32_Q1	3/15/21 0:01	3/15/21 23:01	21,039,530	0.16	0.40	0.14	0	0	0	0.25	0	0	0	0.09	0.08	0	0	0	0	0	0	0	0	0.09	0.95	0.95	1.1
2021_33_Q1	3/15/21 23:01	3/18/21 0:01	46,167,900	0.29	0.74	0.27	0	0	0	0.53	0	0	0	0.18	0.15	0	0	0	0	0	0	0	0	0.19	1.8	1.8	2.2
2021_34_Q1	3/18/21 0:01	3/18/21 23:01	30,138,753	0.15	0.39	0.16	0	0	0	0.33	0	0	0	0.11	0.09	0	0	0	0	0	0	0	0	0.11	1.0	1.0	1.2
2021_35_Q1	3/18/21 23:01	3/24/21 0:01	118,868,402	0.83	2.0	1.1	0.13	0	0	1.7	0	0	0	1.5	1.0	0	0.55	0	0	0.32	0	0	0	0.42	5.9	6.5	9.3
2021_36_Q1	3/24/21 0:01	3/24/21 23:01	19,076,663	0.06	0.15	0.09	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.04	0.31	0.31	0.38
2021_37_Q1	3/24/21 23:01	3/25/21 23:01	19,613,126	0.06	0.11	0.05	0	0	0	0	0	0	0	0.14	0.04	0	0	0	0	0	0	0	0	0.07	0.21	0.21	0.39
2021_38_Q1	3/25/21 23:01	3/29/21 0:01	63,362,994	0.09	0.17	0.07	0	0	0	0	0	0	0	0.23	0.07	0	0	0	0	0	0	0	0	0.12	0.34	0.34	0.64
2021_39_Q1	3/29/21 0:01	3/29/21 12:50	17,967,039	0.06	0.14	0.08	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.04	0.29	0.29	0.36
2021_40_Q1	3/29/21 12:50	3/29/21 23:01	15,484,784	0.05	0.10	0.05	0	0	0	0	0	0	0	0.06	0.05	0	0	0	0	0	0	0	0	0.05	0.20	0.20	0.31
2021_41_Q1	3/29/21 23:01	3/30/21 8:50	15,161,123	0.04	0.08	0.03	0	0	0	0	0	0	0	0.11	0.03	0	0	0	0	0	0	0	0	0.06	0.16	0.16	0.30
2021_42_Q1	3/30/21 8:50	3/31/21 0:01	25,026,429	0.09	0.15	0.07	0	0	0	0	0	0	0	0.10	0.07	0	0	0	0	0	0	0	0	0.08	0.31	0.31	0.47
2021_43_Q1	3/31/21 0:01	3/31/21 23:01	39,405,157	0.17	0.27	0.15	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.11	0.59	0.59	0.71
Q1 2021 Totals	***12/30/20 10:56***	***3/31/21 23:01***	***3,157,903,369***	***19***	***32***	***17***	***0.68***	***0***	***0***	***25***	***0.55***	***0***	***0***	***12***	***10***	***0***	***0.61***	***0***	***0***	***1.2***	***0***	***0***	***0***	***7.3***	***94***	***94***	***118***
2021_1_Q2	3/31/21 23:01	4/5/21 0:01	129,765,602	2.3	6.1	2.3	0.42	0	0	2.0	0	0	0	1.0	3.1	0	0.13	0	0	0.42	0	0	0	0.38	13	13	18

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_2_Q2	4/5/21 0:01	4/5/21 23:01	11,113,824	0.34	0.98	0.34	0.07	0	0	0.34	0	0	0	0.18	0.50	0	0.02	0	0	0.07	0	0	0	0.04	2.1	2.1	2.9
2021_3_Q2	4/5/21 23:01	4/7/21 0:01	10,735,879	0.24	0.62	0.25	0.05	0	0	0.31	0	0	0	0.13	0.31	0	0.01	0	0	0.03	0	0	0	0.03	1.5	1.5	2.0
2021_4_Q2	4/7/21 0:01	4/7/21 23:01	10,410,944	0.15	0.29	0.16	0.03	0	0	0.27	0	0	0	0.08	0.14	0	0	0	0	0	0	0	0	0.03	0.90	0.90	1.1
2021_5_Q2	4/7/21 23:01	4/12/21 0:01	45,886,544	0.55	1.4	0.62	0.08	0	0	1.0	0	0	0	0.34	0.71	0	0	0	0	0.11	0	0	0	0.14	3.6	3.6	4.8
2021_6_Q2	4/12/21 0:01	4/12/21 23:01	13,840,482	0.14	0.43	0.17	0	0	0	0.26	0	0	0	0.10	0.25	0	0	0	0	0.06	0	0	0	0.04	1.0	1.0	1.4
2021_7_Q2	4/12/21 23:01	4/15/21 0:01	29,381,843	0.29	0.91	0.34	0	0	0	0.50	0	0	0	0.19	0.39	0	0	0	0	0.07	0	0	0	0.10	2.0	2.0	2.7
2021_8_Q2	4/15/21 0:01	4/15/21 23:01	11,500,434	0.12	0.36	0.13	0	0	0	0.17	0	0	0	0.06	0.10	0	0	0	0	0	0	0	0	0.05	0.77	0.77	0.93
2021_9_Q2	4/15/21 23:01	4/18/21 0:01	16,662,709	0.28	0.68	0.22	0	0	0	0.27	0	0	0	0.15	0.22	0	0.02	0	0	0.03	0	0	0	0.06	1.5	1.5	1.9
2021_10_Q2	4/18/21 0:01	4/19/21 0:01	8,227,630	0.20	0.42	0.13	0	0	0	0.14	0	0	0	0.10	0.15	0	0.02	0	0	0.03	0	0	0	0.03	0.89	0.91	1.2
2021_11_Q2	4/19/21 0:01	4/19/21 23:01	7,742,902	0.24	0.71	0.37	0.15	0	0	0.19	0	0	0	0.15	0.17	0	0.03	0	0	0.05	0	0	0	0.04	1.7	1.7	2.1
2021_12_Q2	4/19/21 23:01	4/20/21 15:00	4,805,992	0.10	0.32	0.15	0.05	0	0	0.10	0	0	0	0.07	0.09	0	0.02	0	0	0.01	0	0	0	0.02	0.74	0.75	0.93
2021_13_Q2	4/20/21 15:00	4/21/21 10:48	4,923,224	0.10	0.24	0.13	0.03	0	0	0.14	0	0	0	0.08	0.11	0	0.02	0	0	0.01	0	0	0	0.02	0.64	0.66	0.86
2021_14_Q2	4/21/21 10:48	4/21/21 14:20	767,103	0.02	0.04	0.03	0.01	0	0	0.03	0	0	0	0.01	0.02	0	0.00	0	0	0.00	0	0	0	0.00	0.12	0.12	0.16
2021_15_Q2	4/21/21 14:20	4/22/21 13:20	4,914,813	0.11	0.31	0.13	0.04	0	0	0.09	0	0	0	0.16	1.6	0	0.02	0	0	0.11	0	0	0	0.02	0.69	0.71	2.6
2021_16_Q2	4/22/21 13:20	4/27/21 19:10	24,434,154	0.56	1.6	0.62	0.16	0	0	0.60	0	0	0	0.57	4.4	0	0.08	0	0	0.28	0	0	0	0.09	3.5	3.6	8.9
2021_17_Q2	4/27/21 19:10	4/28/21 0:01	951,361	0.02	0.06	0.02	0.01	0	0	0.03	0	0	0	0.01	0.03	0	0.00	0	0	0	0	0	0	0.00	0.14	0.14	0.18
2021_18_Q2	4/28/21 0:01	4/28/21 23:01	5,011,912	0.09	0.28	0.10	0.02	0	0	0.12	0	0	0	0.09	0.10	0	0.02	0	0	0	0	0	0	0.02	0.61	0.63	0.81
2021_19_Q2	4/28/21 23:01	5/3/21 0:01	21,894,557	0.35	1.1	0.37	0.09	0	0	0.50	0	0	0	0.38	0.41	0	0.16	0	0	0.05	0	0	0	0.09	2.5	2.6	3.5
2021_20_Q2	5/3/21 0:01	5/3/21 23:01	5,122,772	0.07	0.25	0.07	0.02	0	0	0.11	0	0	0	0.09	0.09	0	0.06	0	0	0.02	0	0	0	0.02	0.53	0.58	0.79
2021_21_Q2	5/3/21 23:01	5/6/21 23:01	12,568,517	0.18	0.67	0.19	0.04	0	0	0.36	0	0	0	0.22	0.24	0	0.11	0	0	0.05	0	0	0	0.06	1.4	1.5	2.1
2021_22_Q2	5/6/21 23:01	5/10/21 0:01	21,343,568	0.28	0.95	0.29	0.06	0	0	0.65	0	0	0	0.37	0.36	0	0.15	0	0	0.07	0	0	0	0.12	2.2	2.4	3.2
2021_23_Q2	5/10/21 0:01	5/10/21 23:01	7,888,422	0.09	0.25	0.08	0.02	0	0	0.21	0	0	0	0.14	0.11	0	0.06	0	0	0.02	0	0	0	0.05	0.64	0.70	1.0
2021_24_Q2	5/10/21 23:01	5/12/21 0:01	7,988,324	0.09	0.29	0.08	0.02	0	0	0.20	0	0	0	0.13	0.12	0	0.05	0	0	0.03	0	0	0	0.05	0.68	0.73	1.0
2021_25_Q2	5/12/21 0:01	5/12/21 23:01	5,563,666	0.07	0.22	0.06	0.02	0	0	0.13	0	0	0	0.08	0.09	0	0.03	0	0	0.02	0	0	0	0.03	0.49	0.52	0.72
2021_26_Q2	5/12/21 23:01	5/17/21 0:01	22,401,202	0.28	0.86	0.29	0.08	0	0	0.68	0	0	0	0.29	0.40	0	0.11	0	0	0.07	0	0	0	0.14	2.2	2.3	3.1
2021_27_Q2	5/17/21 0:01	5/17/21 23:01	4,025,636	0.05	0.15	0.06	0.02	0	0	0.15	0	0	0	0.04	0.08	0	0.02	0	0	0.01	0	0	0	0.03	0.43	0.45	0.58
2021_28_Q2	5/17/21 23:01	5/20/21 0:01	7,962,584	0.14	0.33	0.13	0.03	0	0	0.29	0	0	0	0.10	0.16	0	0.04	0	0	0.02	0	0	0	0.05	0.92	1.0	1.2
2021_29_Q2	5/20/21 0:01	5/20/21 23:01	3,378,313	0.07	0.15	0.06	0.01	0	0	0.12	0	0	0	0.05	0.07	0	0.02	0	0	0.01	0	0	0	0.02	0.42	0.44	0.56
2021_30_Q2	5/20/21 23:01	5/24/21 0:01	9,420,080	0.20	0.52	0.20	0.04	0	0	0.33	0	0	0	0.12	0.20	0	0.04	0	0	0.03	0	0	0	0.05	1.3	1.3	1.7
2021_31_Q2	5/24/21 0:01	5/24/21 23:01	2,681,039	0.06	0.18	0.07	0.02	0	0	0.09	0	0	0	0.03	0.06	0	0.01	0	0	0.01	0	0	0	0.02	0.41	0.42	0.52
2021_32_Q2	5/24/21 23:01	5/26/21 11:25	4,522,087	0.09	0.20	0.09	0.02	0	0	0.15	0	0	0	0.03	0.05	0	0.02	0	0	0.01	0	0	0	0.02	0.55	0.57	0.66
2021_33_Q2	5/26/21 11:25	5/26/21 14:18	345,834	0.01	0.01	0.01	0.00	0	0	0.01	0	0	0	0.00	0.00	0	0.002	0	0	0.00	0	0	0	0.00	0.03	0.04	0.04
2021_34_Q2	5/26/21 14:18	5/27/21 0:01	1,223,288	0.03	0.07	0.03	0.01	0	0	0.04	0	0	0	0.02	0.03	0	0.01	0	0	0.01	0	0	0	0.01	0.17	0.18	0.23
2021_35_Q2	5/27/21 0:01	5/27/21 13:18	1,679,472	0.03	0.10	0.04	0.01	0	0	0.07	0	0	0	0.02	0.04	0	0.01	0	0	0.01	0	0	0	0.01	0.25	0.26	0.33
2021_36_Q2	5/27/21 13:18	5/27/21 23:01	1,215,897	0.02	0.08	0.03	0.01	0	0	0.06	0	0	0	0.01	0.02	0	0.01	0	0	0.00	0	0	0	0.01	0.19	0.20	0.24
2021_37_Q2	5/27/21 23:01	6/2/21 0:01	14,589,491	0.28	0.82	0.30	0.06	0	0	0.63	0	0	0	0.16	0.28	0	0.07	0	0	0.06	0	0	0	0.09	2.1	2.2	2.7
2021_38_Q2	6/2/21 0:01	6/3/21 0:01	3,174,432	0.06	0.16	0.06	0.01	0	0	0.12	0	0	0	0.03	0.06	0	0.01	0	0	0.01	0	0	0	0.02	0.41	0.42	0.53
2021_39_Q2	6/3/21 0:01	6/3/21 23:01	3,883,939	0.36	0.30	0.15	0.04	0	0.01	0.20	0	0	0	0.11	0.19	0	0.02	0	0	0.04	0	0	0	0.02	1.1	1.1	1.5
2021_40_Q2	6/3/21 23:01	6/7/21 0:01	23,824,549	1.2	1.2	0.62	0.18	0	0.04	0.93	0	0	0	0.52	0.76	0	0.15	0	0	0.12	0	0	0	0.15	4.4	4.5	5.9
2021_41_Q2	6/7/21 0:01	6/7/21 23:01	7,766,348	0.09	0.20	0.11	0.03	0	0	0.20	0	0	0	0.12	0.11	0	0.05	0	0	0	0	0	0	0.05	0.63	0.67	0.90
2021_42_Q2	6/7/21 23:01	6/12/21 0:01	25,267,009	0.59	1.1	0.56	0.16	0	0	0.77	0	0	0	0.47	0.49	0	0.12	0	0	0.08	0	0	0	0.17	3.2	3.4	4.4
2021_43_Q2	6/12/21 0:01	6/12/21 23:01	8,880,305	0.32	0.52	0.27	0.08	0	0	0.31	0	0	0	0.20	0.22	0	0.03	0	0	0.06	0	0	0	0.06	1.6	1.6	2.1
2021_44_Q2	6/12/21 23:01	6/15/21 0:01	29,707,544	0.64	1.1	0.57	0.16	0	0	0.88	0	0	0	0.33	0.46	0	0.05	0	0	0.10	0	0	0	0.18	3.5	3.5	4.4
2021_45_Q2	6/15/21 0:01	6/15/21 15:35	6,612,380	0.05	0.11	0.06	0.01	0	0	0.16	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.39	0.39	0.43
2021_46_Q2	6/15/21 15:35	6/15/21 23:01	3,621,442	0.02	0.06	0.03	0.01	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.21	0.21	0.23
2021_47_Q2	6/15/21 23:01	6/16/21 14:35	7,354,253	0.05	0.11	0.07	0.02	0	0	0.15	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.40	0.40	0.44
2021_48_Q2	6/16/21 14:35	6/17/21 0:01	3,899,485	0.03	0.05	0.03	0.01	0	0	0.09	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.22	0.22	0.24

TABLE B12
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)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_49_Q2	6/17/21 0:01	6/17/21 23:01	9,285,009	0.08	0.11	0.07	0.02	0	0	0.24	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.04	0.53	0.53	0.57
2021_50_Q2	6/17/21 23:01	6/22/21 0:01	20,440,884	0.21	0.30	0.20	0.05	0	0	0.60	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.10	1.4	1.4	1.4
2021_51_Q2	6/22/21 0:01	6/22/21 23:01	6,539,747	0.08	0.11	0.08	0.02	0	0	0.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.50	0.50	0.50
2021_52_Q2	6/22/21 23:01	6/24/21 0:01	7,308,125	0.08	0.16	0.08	0.02	0	0	0.23	0	0	0	0.07	0.04	0	0.03	0	0	0.01	0	0	0	0.04	0.57	0.60	0.73
2021_53_Q2	6/24/21 0:01	6/24/21 23:01	6,478,583	0.06	0.17	0.06	0.02	0	0	0.19	0	0	0	0.12	0.08	0	0.05	0	0	0.03	0	0	0	0.04	0.51	0.56	0.79
2021_54_Q2	6/24/21 23:01	7/1/21 0:01	30,925,989	0.34	0.79	0.37	0.10	0	0	0.88	0	0	0	0.29	0.28	0	0.21	0	0	0.06	0	0	0	0.16	2.5	2.7	3.3
Q2 2021 Totals	***3/31/21 23:01***	***7/1/21 0:01***	***701,862,124***	***13***	***30***	***12***	***2.6***	***0***	***0.05***	***18***	***0***	***0***	***0***	***8.1***	***18***	***0***	***2.1***	***0***	***0***	***2.3***	***0***	***0***	***0***	***3.1***	***75***	***77***	***106***
2021_1_Q3	7/1/21 0:01	7/1/21 23:01	3,680,312	0.04	0.09	0.05	0.01	0	0	0.10	0	0	0	0	0.02	0	0.02	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_2_Q3	7/1/21 23:01	7/2/21 0:01	159,537	0.002	0.004	0.002	0.001	0	0	0.004	0	0	0	0	0.001	0	0.001	0	0	0	0	0	0	0.001	0.0	0.0	0.0
2021_3_Q3	7/2/21 0:01	7/2/21 23:01	3,534,027	0.05	0.10	0.06	0.02	0	0	0.08	0	0	0	0	0.03	0	0.02	0	0	0	0	0	0	0.01	0.3	0.3	0.3
2021_4_Q3	7/2/21 23:01	7/7/21 0:01	20,942,687	0.27	0.57	0.36	0.09	0	0	0.46	0	0	0	0	0.17	0	0.10	0	0	0	0	0	0	0.09	1.7	1.8	2.0
2021_5_Q3	7/7/21 0:01	7/8/21 0:01	4,029,204	0.04	0.12	0.05	0.01	0	0	0.06	0	0	0	0.08	0.05	0	0.03	0	0	0.012	0	0	0	0.02	0.3	0.3	0.5
2021_6_Q3	7/8/21 0:01	7/8/21 23:01	5,141,631	0.09	0.15	0.09	0.02	0	0	0.19	0	0	0	0	0.03	0	0.03	0	0	0	0	0	0	0.02	0.5	0.6	0.6
2021_7_Q3	7/8/21 23:01	7/12/21 0:01	73,353,432	0.84	1.32	0.84	0.17	0	0	2.05	0	0	0	0	0.44	0	0.21	0	0	0	0	0	0	0.36	5.2	5.4	5.9
2021_8_Q3	7/12/21 0:01	7/12/21 23:01	18,931,398	0.09	0.10	0.09	0	0	0	0.49	0	0	0	0.06	0.12	0	0	0	0	0	0	0	0	0.10	0.8	0.8	1.0
2021_9_Q3	7/12/21 23:01	7/15/21 0:01	28,718,974	0.17	0.26	0.16	0.03	0	0	0.73	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.18	1.4	1.4	1.5
2021_10_Q3	7/15/21 0:01	7/15/21 23:01	7,335,649	0.05	0.08	0.05	0.02	0	0	0.23	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2021_11_Q3	7/15/21 23:01	7/19/21 0:01	15,634,637	0.15	0.18	0.14	0.04	0	0	0.41	0	0	0	0.08	0.14	0	0.03	0	0	0.023	0	0	0	0.09	0.9	1.0	1.2
2021_12_Q3	7/19/21 0:01	7/19/21 23:01	4,792,485	0.06	0.06	0.06	0.02	0	0	0.11	0	0	0	0.05	0.06	0	0.02	0	0	0.014	0	0	0	0.03	0.3	0.3	0.4
2021_13_Q3	7/19/21 23:01	7/22/21 0:01	30,027,382	0.35	0.30	0.33	0.08	0	0	0.62	0	0	0	0.32	0.30	0	0.06	0	0	0.096	0	0	0	0.15	1.7	1.7	2.5
2021_14_Q3	7/22/21 0:01	7/22/21 23:01	18,125,047	0.20	0.15	0.18	0.04	0	0	0.34	0	0	0	0.20	0.13	0	0	0	0	0.063	0	0	0	0.07	0.9	0.9	1.3
2021_15_Q3	7/22/21 23:01	7/26/21 0:01	33,961,782	0.39	0.33	0.36	0.09	0	0	0.80	0	0	0	0.19	0.16	0	0	0	0	0.059	0	0	0	0.16	2.0	2.0	2.4
2021_16_Q3	7/26/21 0:01	7/26/21 23:01	4,158,414	0.05	0.05	0.05	0.01	0	0	0.12	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_17_Q3	7/26/21 23:01	7/28/21 8:50	10,535,566	0.09	0.08	0.09	0.02	0	0	0.30	0	0	0	0	0.03	0	0.02	0	0	0	0	0	0	0.05	0.6	0.6	0.6
2021_18_Q3	7/28/21 8:50	7/28/21 17:45	3,259,043	0.03	0.03	0.03	0.01	0	0	0.10	0	0	0	0.03	0.02	0	0.02	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_19_Q3	7/28/21 17:45	7/29/21 0:01	1,919,033	0.02	0.02	0.02	0.005	0	0	0.06	0	0	0	0.02	0.01	0	0.01	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_20_Q3	7/29/21 0:01	7/29/21 16:45	4,560,570	0.04	0.04	0.04	0.01	0	0	0.13	0	0	0	0.04	0.02	0	0.02	0	0	0.005	0	0	0	0.02	0.3	0.3	0.3
2021_21_Q3	7/29/21 16:45	7/29/21 23:01	1,537,775	0.01	0.01	0.01	0	0	0	0.04	0	0	0	0.01	0.01	0	0.01	0	0	0.003	0	0	0	0.01	0.1	0.1	0.1
2021_22_Q3	7/29/21 23:01	8/2/21 0:01	13,721,466	0.17	0.24	0.18	0.03	0	0	0.43	0	0	0	0.19	0.12	0	0.07	0	0	0.049	0	0	0	0.06	1.1	1.1	1.5
2021_23_Q3	8/2/21 0:01	8/2/21 23:01	3,584,998	0.06	0.10	0.06	0.01	0	0	0.13	0	0	0	0.07	0.05	0	0.02	0	0	0.018	0	0	0	0.01	0.4	0.4	0.5
2021_24_Q3	8/2/21 23:01	8/5/21 0:01	7,496,715	0.13	0.22	0.16	0.04	0	0	0.28	0	0	0	0.18	0.13	0	0.05	0	0	0.046	0	0	0	0.03	0.8	0.9	1.2
2021_25_Q3	8/5/21 0:01	8/5/21 23:01	3,293,702	0.07	0.11	0.08	0.02	0	0	0.13	0	0	0	0.10	0.07	0	0.03	0	0	0.024	0	0	0	0.01	0.4	0.4	0.6
2021_26_Q3	8/5/21 23:01	8/12/21 0:01	22,986,087	0.40	0.54	0.48	0.11	0	0	0.93	0	0	0	0.43	0.28	0	0.18	0	0	0.108	0	0	0	0.09	2.5	2.7	3.5
2021_27_Q3	8/12/21 0:01	8/12/21 23:01	3,745,554	0.05	0.06	0.06	0.01	0	0	0.15	0	0	0	0.03	0.02	0	0.03	0	0	0.004	0	0	0	0.02	0.3	0.4	0.4
2021_28_Q3	8/12/21 23:01	8/13/21 23:01	3,737,654	0.05	0.05	0.06	0.01	0	0	0.13	0	0	0	0.04	0.01	0	0.04	0	0	0	0	0	0	0.01	0.3	0.3	0.4
2021_29_Q3	8/13/21 23:01	8/16/21 0:01	6,453,353	0.09	0.12	0.10	0.02	0	0	0.17	0	0	0	0.06	0.05	0	0.04	0	0	0.007	0	0	0	0.02	0.5	0.5	0.7
2021_30_Q3	8/16/21 0:01	8/16/21 23:01	2,767,943	0.04	0.07	0.04	0.01	0	0	0.05	0	0	0	0.02	0.03	0	0.01	0	0	0.006	0	0	0	0.01	0.2	0.2	0.3
2021_31_Q3	8/16/21 23:01	8/19/21 0:01	8,403,477	0.11	0.21	0.13	0.03	0	0	0.15	0	0	0	0.11	0.13	0	0.04	0	0	0.022	0	0	0	0.03	0.6	0.7	0.9
2021_32_Q3	8/19/21 0:01	8/19/21 8:30	1,975,100	0.03	0.05	0.03	0.01	0	0	0.04	0	0	0	0.03	0.04	0	0.01	0	0	0.006	0	0	0	0.01	0.1	0.2	0.2
2021_33_Q3	8/19/21 8:30	8/19/21 23:01	3,968,804	0.05	0.09	0.06	0.01	0	0	0.07	0	0	0	0.03	0.04	0	0.01	0	0	0.006	0	0	0	0.01	0.3	0.3	0.4
2021_34_Q3	8/19/21 23:01	8/20/21 7:30	2,691,233	0.03	0.06	0.04	0.01	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_35_Q3	8/20/21 7:30	8/23/21 0:01	27,326,210	0.25	0.38	0.29	0.04	0	0	0.45	0	0	0	0	0.05	0	0.05	0	0	0	0	0	0	0.12	1.4	1.5	1.5
2021_36_Q3	8/23/21 0:01	8/23/21 23:01	8,088,226	0.04	0.05	0.06	0	0	0	0.15	0	0	0	0	0.03	0	0.03	0	0	0	0	0	0	0.04	0.3	0.3	0.4
2021_37_Q3	8/23/21 23:01	8/26/21 0:01	14,924,621	0.09	0.10	0.12	0	0	0	0.31	0	0	0	0	0.08	0	0.05	0	0	0	0	0	0	0.08	0.6	0.7	0.8
2021_38_Q3	8/26/21 0:01	8/26/21 23:01	6,297,893	0.04	0.05	0.06	0	0	0	0.15	0	0	0	0	0.04	0	0.02	0	0	0	0	0	0	0.03	0.3	0.3	0.4
2021_39_Q3	8/26/21 23:01	8/29/21 0:01	9,197,340	0.08	0.06	0.10	0.01	0	0	0.17	0	0	0	0.03	0.05	0	0.02	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2021_40_Q3	8/29/21 0:01	8/29/21 23:01	3,058,729	0.03	0.02	0.04	0.01	0	0	0.04	0	0	0	0.02	0.01	0	0.01	0	0	0	0	0	0	0.01	0.1	0.1	0.2

TABLE B12
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)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_41_Q3	8/29/21 23:01	9/2/21 0:01	8,258,976	0.11	0.05	0.12	0.03	0	0	0.09	0	0	0	0.05	0.04	0	0.02	0	0	0	0	0	0	0.04	0.4	0.4	0.5
2021_42_Q3	9/2/21 0:01	9/2/21 23:01	2,419,052	0.04	0.02	0.04	0.01	0	0	0.03	0	0	0	0.01	0.01	0	0.01	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_43_Q3	9/2/21 23:01	9/6/21 0:01	7,682,502	0.12	0.09	0.14	0.03	0	0	0.10	0	0	0	0.02	0.04	0	0.04	0	0	0	0	0	0	0.03	0.5	0.5	0.6
2021_44_Q3	9/6/21 0:01	9/6/21 23:01	2,363,035	0.04	0.04	0.05	0.01	0	0	0.04	0	0	0	0	0.01	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_45_Q3	9/6/21 23:01	9/9/21 0:01	4,947,689	0.08	0.08	0.10	0.02	0	0	0.07	0	0	0	0	0.03	0	0.03	0	0	0	0	0	0	0.02	0.3	0.4	0.4
2021_46_Q3	9/9/21 0:01	9/9/21 23:01	2,523,337	0.04	0.04	0.05	0.01	0	0	0.03	0	0	0	0	0.01	0	0.02	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_47_Q3	9/9/21 23:01	9/13/21 0:01	10,867,638	0.14	0.22	0.17	0.04	0	0	0.16	0	0	0	0.05	0.07	0	0.10	0	0	0.015	0	0	0	0.05	0.7	0.8	1.0
2021_48_Q3	9/13/21 0:01	9/13/21 23:01	3,151,495	0.03	0.08	0.04	0.01	0	0	0.05	0	0	0	0.03	0.03	0	0.03	0	0	0.004	0	0	0	0.02	0.2	0.2	0.3
2021_49_Q3	9/13/21 23:01	9/14/21 21:36	2,629,049	0.03	0.08	0.04	0.01	0	0	0.05	0	0	0	0.03	0.03	0	0.03	0	0	0.007	0	0	0	0.01	0.2	0.2	0.3
2021_50_Q3	9/14/21 21:36	9/15/21 20:36	2,525,834	0.03	0.09	0.05	0.01	0	0	0.05	0	0	0	0.03	0.03	0	0.03	0	0	0.006	0	0	0	0.01	0.2	0.3	0.3
2021_51_Q3	9/15/21 20:36	9/16/21 0:01	352,460	0.005	0.01	0.01	0.002	0	0	0.01	0	0	0	0.00	0.00	0	0.004	0	0	0.001	0	0	0	0.002	0.0	0.0	0.0
2021_52_Q3	9/16/21 0:01	9/16/21 23:01	2,355,594	0.03	0.10	0.04	0.01	0	0	0.05	0	0	0	0.03	0.03	0	0.03	0	0	0.006	0	0	0	0.01	0.2	0.3	0.3
2021_53_Q3	9/16/21 23:01	9/20/21 0:01	7,542,487	0.10	0.28	0.13	0.03	0	0	0.13	0	0	0	0.07	0.07	0	0.06	0	0	0.010	0	0	0	0.05	0.7	0.7	0.9
2021_54_Q3	9/20/21 0:01	9/20/21 23:01	2,421,855	0.03	0.08	0.04	0.01	0	0	0.04	0	0	0	0.02	0.02	0	0.01	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2021_55_Q3	9/20/21 23:01	9/21/21 23:01	2,432,865	0.03	0.08	0.04	0.01	0	0	0.04	0	0	0	0.01	0.01	0	0.01	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2021_56_Q3	9/21/21 23:01	9/27/21 0:01	65,688,158	0.68	1.77	0.76	0.12	0	0	0.95	0	0	0	0.38	0.41	0	0.15	0	0	0	0	0	0	0.21	4.3	4.4	5.2
2021_57_Q3	9/27/21 0:01	9/27/21 23:01	5,200,247	0.03	0.11	0.04	0	0	0	0.07	0	0	0	0.04	0.03	0	0	0	0	0	0	0	0	0	0.2	0.2	0.3
2021_58_Q3	9/27/21 23:01	9/30/21 0:01	6,652,137	0.07	0.20	0.07	0.01	0	0	0.10	0	0	0	0.05	0.06	0	0.01	0	0	0.007	0	0	0	0.01	0.5	0.5	0.6
2021_59_Q3	9/30/21 0:01	9/30/21 23:01	2,372,108	0.03	0.09	0.04	0.01	0	0	0.04	0	0	0	0.02	0.03	0	0.01	0	0	0.005	0	0	0	0.01	0.2	0.2	0.3
Q3 2021 Total	***7/1/21 0:01***	***9/30/21 23:01***	***590,444,207***	***6.5***	***10.1***	***7.2***	***1.4***	***0***	***0***	***13***	***0***	***0***	***0***	***3.2***	***4.2***	***0***	***1.9***	***0***	***0***	***0.6***	***0***	***0***	***0***	***2.7***	***39***	***41***	***49***
2021_1_Q4	9/30/21 23:01	10/4/21 0:01	6,559,524	0.09	0.2	0.1	0.02	0	0	0.1	0	0	0	0.04	0.06	0	0.02	0	0	0.007	0	0	0	0.02	0.6	0.6	0.7
2021_2_Q4	10/4/21 0:01	10/4/21 23:01	1,951,068	0.03	0.06	0.03	0.007	0	0	0.03	0	0	0	0.008	0.01	0	0.006	0	0	0	0	0	0	0.006	0.2	0.2	0.2
2021_3_Q4	10/4/21 23:01	10/7/21 0:01	5,166,989	0.07	0.2	0.08	0.02	0	0	0.08	0	0	0	0.03	0.04	0	0.02	0	0	0.006	0	0	0	0.02	0.4	0.4	0.5
2021_4_Q4	10/7/21 0:01	10/7/21 23:01	2,410,132	0.03	0.07	0.04	0.01	0	0	0.03	0	0	0	0.02	0.03	0	0.01	0	0	0.006	0	0	0	0.008	0.2	0.2	0.3
2021_5_Q4	10/7/21 23:01	10/11/21 0:01	15,381,009	0.1	0.3	0.2	0.03	0	0	0.1	0	0	0	0.1	0.1	0	0.090	0	0	0.02	0	0	0	0.07	0.7	0.8	1.1
2021_6_Q4	10/11/21 0:01	10/11/21 23:01	17,019,756	0.06	0.2	0.08	0	0	0	0	0	0	0	0.06	0.08	0	0.10	0	0	0	0	0	0	0.09	0.3	0.4	0.5
2021_7_Q4	10/11/21 23:01	10/15/21 0:01	19,881,739	0.1	0.3	0.1	0.02	0	0	0.1	0	0	0	0.07	0.1	0	0.06	0	0	0	0	0	0	0.08	0.7	0.7	0.9
2021_8_Q4	10/15/21 0:01	10/15/21 23:01	2,886,959	0.02	0.06	0.03	0.007	0	0	0.03	0	0	0	0	0.02	0	0.000	0	0	0	0	0	0	0.008	0.1	0.1	0.2
2021_9_Q4	10/15/21 23:01	10/18/21 0:01	5,304,227	0.05	0.1	0.06	0.02	0	0	0.08	0	0	0	0	0.03	0	0.008	0	0	0	0	0	0	0.01	0.3	0.3	0.4
2021_10_Q4	10/18/21 0:01	10/18/21 23:01	2,237,801	0.03	0.05	0.03	0.008	0	0	0.04	0	0	0	0	0.02	0	0.006	0	0	0	0	0	0	0.006	0.2	0.2	0.2
2021_11_Q4	10/18/21 23:01	10/20/21 11:50	3,495,035	0.04	0.09	0.06	0.01	0	0	0.06	0	0	0	0.019	0.03	0	0.02	0	0	0	0	0	0	0.01	0.3	0.3	0.3
2021_12_Q4	10/20/21 11:50	10/20/21 16:24	395,020	0.01	0.01	0.01	0.002	0	0	0.01	0	0	0	0.004	0.005	0	0.002	0	0	0	0	0	0	0.001	0.03	0.03	0.04
2021_13_Q4	10/20/21 16:24	10/21/21 0:01	688,864	0.01	0.02	0.01	0.003	0	0	0.01	0	0	0	0.008	0.008	0	0.005	0	0	0.002	0	0	0	0.002	0.1	0.1	0.1
2021_14_Q4	10/21/21 0:01	10/21/21 15:24	1,417,357	0.02	0.04	0.02	0.006	0	0	0.03	0	0	0	0.02	0.02	0	0.009	0	0	0.005	0	0	0	0.004	0.1	0.1	0.2
2021_15_Q4	10/21/21 15:24	10/21/21 23:01	659,072	0.01	0.02	0.01	0.003	0	0	0.02	0	0	0	0	0.008	0	0.004	0	0	0.002	0	0	0	0.002	0.1	0.1	0.1
2021_16_Q4	10/21/21 23:01	10/25/21 0:01	6,679,686	0.09	0.2	0.1	0.03	0	0	0.2	0	0	0	0.04	0.07	0	0.04	0	0	0.01	0	0	0	0.02	0.6	0.6	0.7
2021_17_Q4	10/25/21 0:01	10/25/21 23:01	2,121,181	0.03	0.04	0.03	0.008	0	0	0.06	0	0	0	0	0.02	0	0.02	0	0	0	0	0	0	0.008	0.2	0.2	0.2
2021_18_Q4	10/25/21 23:01	10/28/21 0:01	4,651,017	0.06	0.1	0.06	0.02	0	0	0.1	0	0	0	0	0.04	0	0.03	0	0	0	0	0	0	0.02	0.4	0.4	0.4
2021_19_Q4	10/28/21 0:01	10/28/21 23:01	2,164,735	0.03	0.05	0.02	0.008	0	0	0.05	0	0	0	0	0.02	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_20_Q4	10/28/21 23:01	11/1/21 0:01	8,909,001	0.1	0.2	0.1	0.03	0	0	0.2	0	0	0	0	0.09	0	0.05	0	0	0	0	0	0	0.04	0.6	0.7	0.8
2021_21_Q4	11/1/21 0:01	11/1/21 23:01	2,725,383	0.04	0.05	0.04	0.01	0	0	0.06	0	0	0	0	0.03	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_22_Q4	11/1/21 23:01	11/4/21 0:01	5,647,002	0.07	0.1	0.08	0.02	0	0	0.1	0	0	0	0	0.06	0	0.03	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2021_23_Q4	11/4/21 0:01	11/4/21 23:01	2,375,982	0.03	0.05	0.03	0.008	0	0	0.05	0	0	0	0	0.03	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_24_Q4	11/4/21 23:01	11/8/21 0:01	7,357,821	0.1	0.2	0.1	0.03	0	0	0.2	0	0	0	0.04	0.07	0	0.05	0	0	0.01	0	0	0	0.04	0.5	0.6	0.7
2021_25_Q4	11/8/21 0:01	11/8/21 23:01	2,222,612	0.03	0.05	0.03	0.009	0	0	0.05	0	0	0	0.02	0.02	0	0.02	0	0	0.004	0	0	0	0.01	0.2	0.2	0.2
2021_26_Q4	11/8/21 23:01	11/10/21 10:50	3,396,841	0.05	0.07	0.05	0.01	0	0	0.08	0	0	0	0.02	0.03	0	0.02	0	0	0.006	0	0	0	0.02	0.3	0.3	0.3
2021_27_Q4	11/10/21 10:50	11/10/21 16:36	516,610	0.01	0.01	0.01	0.002	0	0	0.01	0	0	0	0	0.004	0	0.003	0	0	0	0	0	0	0.003	0.04	0.04	0.05

TABLE B12
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)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_28_Q4	11/10/21 16:36	11/11/21 0:01	674,975	0.01	0.01	0.01	0.002	0	0	0.02	0	0	0	0	0.01	0	0.004	0	0	0	0	0	0	0.004	0.1	0.1	0.1
2021_29_Q4	11/11/21 0:01	11/11/21 15:36	1,456,655	0.02	0.03	0.02	0.005	0	0	0.04	0	0	0	0	0.01	0	0.009	0	0	0	0	0	0	0.007	0.1	0.1	0.1
2021_30_Q4	11/11/21 15:36	11/11/21 23:01	754,182	0.01	0.01	0.01	0.003	0	0	0.02	0	0	0	0	0.01	0	0.005	0	0	0	0	0	0	0.004	0.1	0.1	0.1
2021_31_Q4	11/11/21 23:01	11/15/21 0:01	7,993,905	0.1	0.2	0.1	0.03	0	0	0.2	0	0	0	0.06	0.07	0	0.06	0	0	0	0	0	0	0.04	0.6	0.6	0.8
2021_32_Q4	11/15/21 0:01	11/15/21 23:01	2,508,759	0.03	0.05	0.04	0.01	0	0	0.05	0	0	0	0.04	0.03	0	0.02	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_33_Q4	11/15/21 23:01	11/18/21 0:01	4,983,063	0.08	0.1	0.08	0.02	0	0	0.1	0	0	0	0.06	0.05	0	0.04	0	0	0	0	0	0	0.03	0.4	0.4	0.6
2021_34_Q4	11/18/21 0:01	11/18/21 23:01	2,220,548	0.04	0.05	0.04	0.009	0	0	0.06	0	0	0	0.03	0.02	0	0.02	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_35_Q4	11/18/21 23:01	11/22/21 0:01	7,117,674	0.1	0.1	0.1	0.03	0	0	0.2	0	0	0	0.04	0.06	0	0.05	0	0	0	0	0	0	0.04	0.6	0.6	0.7
2021_36_Q4	11/22/21 0:01	11/22/21 23:01	2,229,646	0.03	0.03	0.03	0.008	0	0	0.04	0	0	0	0	0.01	0	0.01	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2021_37_Q4	11/22/21 23:01	11/25/21 0:01	5,630,284	0.07	0.08	0.08	0.02	0	0	0.09	0	0	0	0.02	0.04	0	0.04	0	0	0	0	0	0	0.03	0.3	0.4	0.4
2021_38_Q4	11/25/21 0:01	11/25/21 23:01	2,670,845	0.03	0.04	0.04	0.009	0	0	0.04	0	0	0	0.02	0.02	0	0.02	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_39_Q4	11/25/21 23:01	11/29/21 0:01	8,163,662	0.1	0.1	0.1	0.03	0	0	0.1	0	0	0	0.02	0.05	0	0.05	0	0	0	0	0	0	0.04	0.5	0.5	0.6
2021_40_Q4	11/29/21 0:01	11/29/21 23:01	2,393,312	0.03	0.03	0.03	0.008	0	0	0.03	0	0	0	0	0.01	0	0.01	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_41_Q4	11/29/21 23:01	12/2/21 0:01	4,965,427	0.04	0.1	0.07	0.02	0	0	0.06	0	0	0	0	0.03	0	0.01	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_42_Q4	12/2/21 0:01	12/2/21 23:01	2,323,839	0.01	0.06	0.04	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_43_Q4	12/2/21 23:01	12/6/21 0:01	6,759,837	0.04	0.2	0.1	0.03	0	0	0.09	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2021_44_Q4	12/6/21 0:01	12/6/21 23:01	2,166,774	0.01	0.06	0.03	0.009	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_45_Q4	12/6/21 23:01	12/9/21 0:01	4,310,203	0.08	0.1	0.08	0.02	0	0	0.07	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.4
2021_46_Q4	12/9/21 0:01	12/9/21 23:01	3,880,677	0.1	0.1	0.09	0.03	0	0	0.08	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.02	0.5	0.5	0.5
2021_47_Q4	12/9/21 23:01	12/13/21 0:01	10,843,936	0.2	0.2	0.2	0.04	0	0	0.1	0	0	0	0	0.07	0	0.03	0	0	0	0	0	0	0.04	0.7	0.7	0.8
2021_48_Q4	12/13/21 0:01	12/13/21 23:01	3,010,307	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0.008	0.04	0.1	0.1
2021_49_Q4	12/13/21 23:01	12/15/21 9:16	4,054,180	0.01	0.07	0.05	0.006	0	0	0	0	0	0	0	0.02	0	0.03	0	0	0	0	0	0	0.02	0.1	0.2	0.2
2021_50_Q4	12/15/21 9:16	12/16/21 0:01	1,535,226	0.01	0.05	0.02	0.005	0	0	0	0	0	0	0	0.01	0	0.02	0	0	0	0	0	0	0.008	0.1	0.1	0.1
2021_51_Q4	12/16/21 0:01	12/16/21 8:16	829,797	0.005	0.03	0.01	0.003	0	0	0	0	0	0	0	0.003	0	0.01	0	0	0	0	0	0	0.004	0.05	0.1	0.1
2021_52_Q4	12/16/21 8:16	12/16/21 23:01	1,528,090	0.01	0.05	0.02	0.006	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0.008	0.1	0.1	0.1
2021_53_Q4	12/16/21 23:01	12/20/21 0:01	7,326,576	0.08	0.2	0.1	0.03	0	0	0.06	0	0	0	0.04	0.02	0	0.08	0	0	0.009	0	0	0	0.04	0.5	0.6	0.7
2021_54_Q4	12/20/21 0:01	12/20/21 23:01	2,870,802	0.04	0.09	0.05	0.01	0	0	0.05	0	0	0	0.03	0.02	0	0.03	0	0	0.007	0	0	0	0.01	0.2	0.3	0.3
2021_55_Q4	12/20/21 23:01	12/23/21 0:01	8,730,197	0.09	0.2	0.1	0.02	0	0	0.1	0	0	0	0.1	0.06	0	0.09	0	0	0.02	0	0	0	0.04	0.6	0.7	0.8
2021_56_Q4	12/23/21 0:01	12/23/21 23:01	5,142,651	0.04	0.09	0.05	0	0	0	0.06	0	0	0	0.07	0.03	0	0.06	0	0	0.01	0	0	0	0.02	0.2	0.3	0.4
2021_57_Q4	12/23/21 23:01	12/27/21 0:01	11,483,614	0.1	0.3	0.1	0.02	0	0	0.1	0	0	0	0.1	0.09	0	0.09	0	0	0.01	0	0	0	0.05	0.7	0.8	1.0
2021_58_Q4	12/27/21 0:01	12/27/21 23:01	2,756,730	0.03	0.08	0.04	0.01	0	0	0.03	0	0	0	0.02	0.02	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_59_Q4	12/27/21 23:01	12/30/21 0:01	5,396,993	0.06	0.2	0.08	0.02	0	0	0.07	0	0	0	0.03	0.04	0	0.02	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2021_60_Q4	12/30/21 0:01	12/30/21 23:01	2,364,768	0.03	0.07	0.03	0.007	0	0	0.04	0	0	0	0.01	0.01	0	0.008	0	0	0	0	0	0	0.01	0.2	0.2	0.2
Q4 2021 Total	***9/30/21 23:01***	***12/30/21 23:01***	***275,300,556***	***3.0***	***6.0***	***3.6***	***0.8***	***0***	***0***	***3.9***	***0***	***0***	***0***	***1.2***	***2.0***	***0***	***1.5***	***0***	***0***	***0.1***	***0***	***0***	***0***	***1.2***	***17***	***19***	***22***

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 Perfluorohepthanoic acid (PFHpA).
4 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.
Where mass loads are equal to 0 kg, the compound was not detected above the reporting limit.
kg - kilogram
m^3 - cubic meter
NA - Compound not analyzed

TABLE B13
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL DATA
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
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

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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	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
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

TABLE B13
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL DATA
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-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
2021 Q1	CFR-TARHEEL-010621	1/6/21 12:10	0	9.3	9.3	9.3	--	19,900	5.2	5.2	5.2
2021 Q1	CFR-TARHEEL-010721	1/7/21 11:00	0	7	7	7	--	18,900	3.7	3.7	3.7
2021 Q1	CFR-TARHEEL-011121	1/11/21 10:30	0	24	24	31	--	14,600	9.9	9.9	13
2021 Q1	CFR-TARHEEL-011421	1/14/21 12:40	0	42	42	51	--	7,500	8.9	8.9	11
2021 Q1	CFR-TARHEEL-24-012121	1/21/21 23:01	23	53	53	66	437,800,000	--	7.9	7.9	9.8
2021 Q1	CFR-TARHEEL-24-012221	1/22/21 23:01	23	55	55	70	419,760,000	--	7.9	8	10
2021 Q1	CAP0121-CFR-TARHEEL-012621	1/26/21 15:00	0	91	94	130	--	4,910	13	13	18
2021 Q1	CAP0121-CFR-TARHEEL-24-012721	1/27/21 15:10	23	67	67	88	627,500,000	--	14	14	19
2021 Q1	CFR-TARHEEL-24-012721	1/27/21 23:01	23	58	58	74	753,130,000	--	15	15	19
2021 Q1	CFR-TARHEEL-24-012821	1/28/21 23:01	23	44	44	55	1,059,400,000	--	16	16	20
2021 Q1	CFR-TARHEEL-020121	2/1/21 10:05	0	32	32	35	--	14,800	13	13	15
2021 Q1	CFR-TARHEEL-020421	2/4/21 16:35	0	19	19	24	--	18,200	9.8	9.8	12
2021 Q1	CFR-TARHEEL-020821	2/8/21 16:00	0	0	0	0	--	17,900	0	0	0
2021 Q1	CFR-TARHEEL-38-021221	2/12/21 14:01	38	62	62	73	1,164,200,000	--	15	15	18
2021 Q1	CFR-TARHEEL-021621	2/16/21 12:00	0	22	22	22	--	25,000	16	16	16
2021 Q1	CFR-TARHEEL-021921	2/19/21 13:35	0	38	38	46	--	24,200	26	26	32
2021 Q1	CFR-TARHEEL-022221	2/22/21 9:35	0	36	36	48	--	18,900	19	19	26
2021 Q1	CAP0221-CFR-TARHEEL-022421	2/24/21 15:15	0	26	26	34	--	16,900	12	12	16
2021 Q1	CFR-TARHEEL-022521	2/25/21 12:20	0	30	30	36	--	16,200	14	14	17
2021 Q1	CFR-TARHEEL-24-030521	3/5/21 23:01	23	22	22	34	1,481,400,000	--	11	11	17
2021 Q1	CFR-TARHEEL-24-030621	3/6/21 23:01	23	44	44	54	1,453,200,000	--	22	22	27
2021 Q1	CFR-TARHEEL-24-030821	3/8/21 23:01	23	22	22	28	1,345,800,000	--	10	10	13
2021 Q1	CFR-TARHEEL-24-031121	3/11/21 23:01	23	49	49	58	899,120,000	--	15	15	18
2021 Q1	CFR-TARHEEL-24-031521	3/15/21 23:01	23	45	45	53	743,000,000	--	11	11	13
2021 Q1	CFR-TARHEEL-24-031821	3/18/21 23:01	23	34	34	41	1,064,300,000	--	12	12	15
2021 Q1	CFR-TARHEEL-24-032421	3/24/21 23:01	23	65	75	120	673,680,000	--	15	17	27
2021 Q1	CFR-TARHEEL-24-032521	3/25/21 23:01	23	69	72	79	663,150,000	--	16	16	18
2021 Q1	CAP0321-CFR-TARHEEL-032921	3/29/21 12:10	0	14	14	20	--	14,000	5.6	5.6	7.9
2021 Q1	CAP0321-CFR-TARHEEL-21-033021	3/30/21 8:50	20	11	11	20	1,082,200,000	--	4.7	4.6	8.6
2021 Q1	CFR-TARHEEL-24-032921	3/29/21 23:01	23	16	16	20	1,181,300,000	--	6.5	6.5	8.1
2021 Q1	CFR-TARHEEL-24-033121	3/31/21 23:01	23	15	15	18	1,391,600,000	--	7.1	6.9	8.4
2021 Q1	CFR-TARHEEL-24-033121-D	3/31/21 23:01	23	15	15	18	1,391,600,000	--	7.1	7.2	8.7
2021 Q2	CFR-TARHEEL-24-040521	4/5/21 23:01	23	190	190	260	392,480,000	--	26	26	35
2021 Q2	CFR-TARHEEL-24-040721	4/7/21 23:01	23	86	86	110	367,660,000	--	11	11	13
2021 Q2	CFR-TARHEEL-24-041221	4/12/21 23:01	23	72	72	100	488,770,000	--	12	12	17
2021 Q2	CFR-TARHEEL-24-041521	4/15/21 23:01	23	67	67	81	406,130,000	--	9.3	9.3	11
2021 Q2	CFR-TARHEEL-24-041821	4/18/21 23:01	23	110	110	140	278,500,000	--	10	10	14
2021 Q2	CFR-TARHEEL-24-041921	4/19/21 23:01	23	220	220	270	273,440,000	--	21	21	25
2021 Q2	CAP0421-CFR-TARHEEL-042021	4/20/21 15:00	0	110	110	140	--	2,900	9	9	11
2021 Q2	CAP0421-CFR-TARHEEL-5-042121	4/21/21 14:48	4	160	160	210	31,230,000	--	9.8	9.8	13
2021 Q2	CAP0421-CFR-TARHEEL-24-042221	4/22/21 13:20	23	140	140	530	173,560,000	--	8.3	8.6	31
2021 Q2	CFR-TARHEEL-042721	4/27/21 19:10	0	150	150	200	--	1,960	8.3	8.3	11
2021 Q2	CFR-TARHEEL-24-042821	4/28/21 23:01	23	120	130	160	176,990,000	--	7.3	7.7	9.8
2021 Q2	CFR-TARHEEL-24-050321	5/3/21 23:01	23	100	110	150	180,910,000	--	6.2	7	9.5
2021 Q2	CFR-TARHEEL-24-050621	5/6/21 23:01	0	130	130	170	--	1,800	6.6	6.6	8.7
2021 Q2	CFR-TARHEEL-24-051021	5/10/21 23:01	23	81	89	120	278,580,000	--	7.7	8.5	12
2021 Q2	CFR-TARHEEL-24-051221	5/12/21 23:01	23	89	94	130	196,480,000	--	6	6.3	8.7
2021 Q2	CFR-TARHEEL-24-051721	5/17/21 23:01	23	110	110	140	142,160,000	--	5.3	5.4	7
2021 Q2	CFR-TARHEEL-24-052021	5/20/21 23:01	23	120	130	170	119,300,000	--	4.9	5.3	6.8

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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)
2021 Q2	CFR-TARHEEL-24-052421	5/24/21 23:01	23	150	160	190	94,680,000	--	4.9	5	6.3
2021 Q2	CAP0521-CFR-TARHEEL-052621	5/26/21 11:25	0	91	95	95	--	1,240	3.2	3.3	3.3
2021 Q2	CAP0521-CFR-TARHEEL-24-052721	5/27/21 13:18	23	140	150	190	102,510,000	--	4.9	5.2	6.7
2021 Q2	CFR-TARHEEL-24-052721	5/27/21 23:01	23	160	160	200	102,250,000	--	5.6	5.7	7
2021 Q2	CFR-TARHEEL-24-060221	6/2/21 23:01	23	130	130	170	107,500,000	--	4.8	4.9	6.1
2021 Q2	CFR-TARHEEL-24-060321	6/3/21 23:01	23	290	290	380	137,160,000	--	14	14	18
2021 Q2	CFR-TARHEEL-24-060721	6/7/21 23:01	23	81	87	120	274,270,000	--	7.6	8.1	11
2021 Q2	CFR-TARHEEL-24-061221	6/12/21 23:01	23	180	180	230	313,600,000	--	19	19	25
2021 Q2	CFR-TARHEEL-24-061521	6/15/21 23:01	23	59	59	65	361,400,000	--	7.3	7.3	8
2021 Q2	CAP0621-CFR-TARHEEL-24-061621	6/16/21 14:35	23	55	55	60	387,600,000	--	7.3	7.3	7.9
2021 Q2	CFR-TARHEEL-24-061721	6/17/21 23:01	23	57	57	62	327,900,000	--	6.4	6.4	6.9
2021 Q2	CFR-TARHEEL-24-062221	6/22/21 23:01	23	77	77	77	230,950,000	--	6.1	6.1	6.1
2021 Q2	CFR-TARHEEL-24-062421	6/24/21 23:01	23	79	87	120	228,790,000	--	6.2	6.8	9.5
2021 Q3	CFR-TARHEEL-24-070121	7/1/21 11:35	0	82	87	93	--	1,640	3.8	4	4.3
2021 Q3	CFR-TARHEEL-24-070221	7/2/21 23:01	24	83	88	96	124,800,000	--	3.5	3.8	4.1
2021 Q3	CFR-TARHEEL-24-070721	7/7/21 23:01	24	72	80	120	137,900,000	--	3.4	3.8	5.4
2021 Q3	CFR-TARHEEL-24-070821	7/8/21 23:01	24	110	110	120	181,570,000	--	6.8	6.9	7.2
2021 Q3	CFR-TARHEEL-24-071221	7/12/21 23:01	24	37	37	44	668,550,000	--	8.5	8.4	10
2021 Q3	CFR-TARHEEL-24-071221-D	7/12/21 23:01	24	45	45	57	668,550,000	--	10	10	13
2021 Q3	CFR-TARHEEL-24-071521	7/15/21 23:01	24	57	57	62	259,060,000	--	5	5.1	5.5
2021 Q3	CFR-TARHEEL-24-071921	7/19/21 23:01	24	61	65	91	169,240,000	--	3.5	3.8	5.3
2021 Q3	CFR-TARHEEL-24-072221	7/22/21 23:01	24	51	51	72	640,080,000	--	11	11	16
2021 Q3	CFR-TARHEEL-24-072621	7/26/21 23:01	24	65	65	67	146,850,000	--	3.3	3.3	3.4
2021 Q3	CAP0721-CFR-TARHEEL-072821	7/28/21 8:50	0	46	50	54	--	4,220	5.5	6	6.5
2021 Q3	CAP0721-CFR-TARHEEL-24-072821	7/29/21 16:45	24	60	65	79	228,820,000	--	4.7	5.1	6.2
2021 Q3	CFR-TARHEEL-24-072921	7/29/21 23:01	24	52	56	69	215,360,000	--	3.8	4.1	5.1
2021 Q3	CFR-TARHEEL-24-080221	8/2/21 23:01	24	100	110	150	126,600,000	--	4.3	4.7	6.3
2021 Q3	CFR-TARHEEL-24-080521	8/5/21 23:01	24	120	130	190	116,320,000	--	4.8	5.1	7.4
2021 Q3	CFR-TARHEEL-24-081221	8/12/21 23:01	24	93	100	120	132,270,000	--	4.2	4.6	5.2
2021 Q3	CFR-TARHEEL-24-081221-DUP	8/12/21 23:01	24	90	99	110	132,270,000	--	4.1	4.5	5
2021 Q3	CFR-TARHEEL-24-081321	8/13/21 23:01	24	80	90	100	126,200,000	--	3.5	3.9	4.5
2021 Q3	CFR-TARHEEL-24-081621	8/16/21 23:01	24	75	78	100	97,749,000	--	2.5	2.6	3.3
2021 Q3	CAP0821-CFR-TARHEEL-081921	8/19/21 9:50	0	82	89	110	--	2,270	5.3	5.7	7.1
2021 Q3	CFR-TARHEEL-24-081921	8/19/21 23:01	24	74	82	120	209,910,000	--	5.3	5.9	8.7
2021 Q3	CAP0821-CFR-TARHEEL-24-082021	8/20/21 7:30	24	67	67	67	235,200,000	--	5.4	5.4	5.4
2021 Q3	CFR-TARHEEL-24-082321	8/23/21 23:01	24	37	40	44	285,630,000	--	3.6	3.9	4.3
2021 Q3	CFR-TARHEEL-24-082621	8/26/21 23:01	24	47	50	56	222,410,000	--	3.6	3.8	4.3
2021 Q3	CFR-TARHEEL-24-082921	8/29/21 23:01	24	43	46	57	108,020,000	--	1.6	1.7	2.1
2021 Q3	CFR-TARHEEL-24-090221	9/2/21 23:01	24	53	57	68	85,428,000	--	1.5	1.7	2
2021 Q3	CFR-TARHEEL-24-090621	9/6/21 23:01	24	72	78	84	83,450,000	--	2.1	2.2	2.4
2021 Q3	CFR-TARHEEL-24-090921	9/9/21 23:01	24	69	76	81	89,111,000	--	2.1	2.3	2.5
2021 Q3	CFR-TARHEEL-24-091321	9/13/21 23:01	24	66	77	97	111,290,000	--	2.5	2.9	3.7
2021 Q3	CFR-TARHEEL-24-091321-D	9/13/21 23:01	24	65	76	97	111,290,000	--	2.5	2.9	3.7
2021 Q3	CAP0921-CFR-TARHEEL-091521	9/15/21 9:00	0	100	110	140	--	1,120	3.2	3.5	4.4
2021 Q3	CAP0921-CFR-TARHEEL-24-091521	9/15/21 20:36	24	93	100	130	89,199,000	--	2.8	3.2	3.9
2021 Q3	CFR-TARHEEL-24-091621	9/16/21 23:01	24	96	110	140	83,187,000	--	2.7	3.1	3.9
2021 Q3	CFR-TARHEEL-24-092021	9/20/21 23:01	24	82	87	100	85,527,000	--	2.4	2.5	2.9
2021 Q3	CFR-TARHEEL-24-092121	9/21/21 23:01	24	83	87	97	82,235,000	--	2.3	2.4	2.7
2021 Q3	CFR-TARHEEL-24-092721	9/27/21 23:01	24	48	48	62	183,640,000	--	3	3	3.9
2021 Q3	CFR-TARHEEL-24-093021	9/30/21 23:01	24	88	91	110	83,770,000	--	2.5	2.6	3.2

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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)
2021 Q4	CFR-TARHEEL-24-100421	10/4/21 23:01	24	80	83	93	68,901,000	--	1.9	1.9	2.2
2021 Q4	CFR-TARHEEL-24-100721	10/7/21 23:01	24	79	85	110	85,113,000	--	2.3	2.5	3.1
2021 Q4	CFR-TARHEEL-24-101121	10/11/21 23:01	24	18	24	35	601,050,000	--	3.7	4.8	7.2
2021 Q4	CFR-TARHEEL-24-101121-D	10/11/21 23:01	24	18	23	28	601,050,000	--	3.7	4.8	5.8
2021 Q4	CFR-TARHEEL-24-101521	10/15/21 23:01	24	51	51	56	101,950,000	--	1.8	1.8	2
2021 Q4	CFR-TARHEEL-24-101821	10/18/21 23:01	24	72	74	82	79,027,000	--	1.9	2	2.2
2021 Q4	CAP1021-CFR-TARHEEL-102021	10/20/21 11:50	0	80	86	110	--	927	2.1	2.3	2.9
2021 Q4	CAP1021-CFR-TARHEEL-24-102121	10/21/21 15:24	24	87	94	120	74,380,000	--	2.2	2.4	3.1
2021 Q4	CFR-TARHEEL-24-102121	10/21/21 23:01	24	87	93	120	73,328,000	--	2.2	2.3	3
2021 Q4	CFR-TARHEEL-24-102521	10/25/21 23:01	24	81	88	97	74,909,000	--	2.1	2.3	2.5
2021 Q4	CFR-TARHEEL-24-102821	10/28/21 23:01	24	72	78	86	76,447,000	--	1.9	2	2.2
2021 Q4	CFR-TARHEEL-24-110121	11/1/21 23:01	24	72	77	89	96,246,000	--	2.4	2.5	2.9
2021 Q4	CFR-TARHEEL-24-110421	11/4/21 23:01	24	72	79	90	83,907,000	--	2.1	2.3	2.6
2021 Q4	CFR-TARHEEL-24-110821	11/8/21 23:01	24	77	84	110	78,491,000	--	2.1	2.3	2.8
2021 Q4	CFR-TARHEEL-24-110821-D	11/8/21 23:01	24	74	81	97	78,491,000	--	2	2.2	2.6
2021 Q4	CAP1121-CFR-TARHEEL-111021	11/10/21 10:50	0	79	85	92	--	935	2.1	2.3	2.4
2021 Q4	CAP1121-CFR-TARHEEL-24-111121	11/11/21 15:36	24	78	84	92	75,278,000	--	2	2.2	2.4
2021 Q4	CFR-TARHEEL-24-111121	11/11/21 23:01	24	79	85	93	78,075,000	--	2.1	2.3	2.5
2021 Q4	CFR-TARHEEL-24-111521	11/15/21 23:01	24	68	77	100	88,596,000	--	2.1	2.3	3
2021 Q4	FAY-CFR-TARHEEL-A-111521	11/15/21 12:55	0	68	76	90	--	1,070	2.1	2.3	2.7
2021 Q4	FAY-CFR-TARHEEL-B-111521	11/15/21 12:55	0	75	87	130	--	1,070	2.3	2.6	3.9
2021 Q4	FAY-CFR-TARHEEL-C-111521	11/15/21 12:55	0	60	70	87	--	1,070	1.8	2.1	2.6
2021 Q4	FAY-CFR-TARHEEL-D-111521	11/15/21 12:55	0	95	100	140	--	1,070	2.9	3	4.2
2021 Q4	CFR-TARHEEL-24-111821	11/18/21 23:01	24	94	100	120	78,418,000	--	2.5	2.7	3.3
2021 Q4	CFR-TARHEEL-24-112221	11/22/21 23:01	24	62	68	73	78,739,000	--	1.7	1.8	2
2021 Q4	CFR-TARHEEL-24-112521	11/25/21 23:01	24	61	68	80	94,320,000	--	2	2.2	2.6
2021 Q4	CFR-TARHEEL-24-112921	11/29/21 23:01	24	56	62	68	84,519,000	--	1.6	1.8	2
2021 Q4	CFR-TARHEEL-24-120221	12/2/21 23:01	24	65	65	71	82,065,000	--	1.8	1.8	2
2021 Q4	CFR-TARHEEL-24-120621	12/6/21 23:01	24	64	64	71	76,519,000	--	1.7	1.7	1.9
2021 Q4	CFR-TARHEEL-24-120921	12/9/21 23:01	24	120	120	130	137,040,000	--	5.6	5.4	6
2021 Q4	CFR-TARHEEL-24-121321	12/13/21 23:01	24	15	20	20	106,310,000	--	0.55	0.72	0.72
2021 Q4	CAP1221-CFR-TARHEEL-121521	12/15/21 10:35	0	32	42	51	--	1,100	1	1.3	1.6
2021 Q4	CAP1221-CFR-TARHEEL-24-121621	12/16/21 8:16	24	52	64	73	83,520,000	--	1.5	1.8	2.1
2021 Q4	CFR-TARHEEL-24-121621	12/16/21 23:01	24	56	68	68	83,268,000	--	1.6	1.9	1.9
2021 Q4	CFR-TARHEEL-24-122021	12/20/21 23:01	24	85	94	110	101,380,000	--	2.9	3.2	3.9
2021 Q4	CFR-TARHEEL-24-122321	12/23/21 23:01	24	47	58	80	181,610,000	--	2.9	3.6	5
2021 Q4	CFR-TARHEEL-24-122721	12/27/21 23:01	24	70	74	89	97,353,000	--	2.3	2.5	3
2021 Q4	CFR-TARHEEL-24-123021	12/30/21 23:01	24	73	76	87	83,511,000	--	2.1	2.2	2.5

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

-- - not applicable
ng/L - nanograms per liter
ft^3 - cubic feet
mg/s - milligrams per second
ft^3/s - cubic feet per second

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	4A
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Stormwater Treatment System[4]
Flow (MG)	4250	7.1	14.4	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS INFLUENT
Field Sample ID	CAP1Q22-CFR-RM-76-012622	CAP1Q22-WC-1-24-012722	CAP1Q22-OUTFALL-002-21-012722	--
Sample Date and Time[2]	1/26/2022	1/27/2022	1/27/2022	--
Sample Delivery Group (SDG)	320-84289-1	320-84291-1	320-84291-1	--
Lab Sample ID	320-84289-3	320-84291-1	320-84291-5	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[8] (mg/s)				
HFPO-DA	ND	**0.10**	**0.02**	--
PFMOAA	ND	**0.13**	**6.9E-03**	--
PFO2HxA	ND	**0.09**	**5.0E-03**	--
PFO3OA	ND	**0.02**	**1.3E-03**	--
PFO4DA	ND	**3.4E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	ND	**0.10**	**5.0E-03**	--
PEPA	ND	**0.03**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.5E-03**	ND	--
R-PSDA	ND	**0.01**	ND	--
Hydrolyzed PSDA	ND	**0.03**	**8.4E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	ND	**3.1E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.2E-03**	ND	--
R-EVE	ND	**3.0E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[9,10]	ND	**0.47**	**0.04**	--
Total Table 3+ Mass Discharge (17 compounds)[9,11]	ND	**0.47**	**0.04**	--
Total Table 3+ Mass Discharge (20 Compounds)[9]	ND	**0.50**	**0.05**	--

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	5	5	6A	6B	6C
Pathway Name	Onsite Groundwater - Lower Bound[5]	Onsite Groundwater - Upper Bound[5]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.30	0.26	0.06
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	Seep Flow Through Cell Sampling 2022	Seep Flow Through Cell Sampling 2022	Seep Flow Through Cell Sampling 2022
Location ID	--	--	SEEP-A-INF	SEEP-B-INF	SEEP-C-INF
Field Sample ID	--	--	SEEP-A-INFLUENT-270-013122	SEEP-B-INFLUENT-264-013122	SEEP-C-INFLUENT-240-013122
Sample Date and Time[2]	--	--	1/31/2022	1/31/2022	1/31/2022
Sample Delivery Group (SDG)	--	--	320-84467-1	320-84467-1	320-84467-1
Lab Sample ID	--	--	320-84467-7	320-84467-1	320-84467-5
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[8] (mg/s)					
HFPO-DA	0.63	0.64	0.33	0.38	0.04
PFMOAA	3.46	3.63	0.82	0.87	0.10
PFO2HxA	1.07	1.11	0.40	0.29	0.04
PFO3OA	0.60	0.59	0.15	0.07	0.01
PFO4DA	0.72	0.70	0.08	0.02	4.3E-03
PFO5DA	0.21	0.20	0.04	2.9E-03	2.7E-04
PMPA	0.30	0.30	0.16	0.31	ND
PEPA	0.09	0.09	0.06	0.15	0.00
PS Acid	0.03	0.03	0.03	1.0E-02	ND
Hydro-PS Acid	0.09	0.09	0.01	8.8E-03	5.4E-04
R-PSDA	0.08	0.08	0.01	0.01	ND
Hydrolyzed PSDA	0.20	0.19	0.11	0.09	ND
R-PSDCA	6.3E-03	6.2E-03	4.9E-04	5.1E-04	ND
NVHOS, Acid Form	0.05	0.05	0.01	0.02	ND
EVE Acid	3.9E-03	3.8E-03	4.0E-03	7.9E-03	ND
Hydro-EVE Acid	0.06	6.4E-02	0.02	0.02	1.6E-03
R-EVE	0.03	2.8E-02	0.00	0.01	ND
PES	2.0E-05	3.0E-05	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[9,10]	**7.11**	**7.31**	**2.12**	**2.08**	**0.19**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**7.12**	**7.32**	**2.12**	**2.20**	**0.19**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**7.50**	**7.70**	**2.25**	**2.32**	**0.19**

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock and Dam North[6]	Old Outfall 002
Flow (MG)	0.13	0.01	--	0.82
Instantaneous Flow (ft3/sec)	--	--		--
Program	Seep Long-Term Loading Baseline	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22	NPDES Sampling 10/21
Location ID	SEEP-D-INF	Lock-Dam Seep	Lock-Dam North	Old Outfall 002 Influent
Field Sample ID	SEEP-D-DRY-INF-24-011422	CAP1Q22-LOCK-DAM-SEEP-012622	--	Influent-0122-4
Sample Date and Time[2]	1/14/2022	1/26/2022	--	1/25/2022
Sample Delivery Group (SDG)	320-83913-1	320-84289-2	--	410-70811-1
Lab Sample ID	320-83913-2	320-84289-1	--	410-70811-1
Sample Type	Composite	Grab	--	Composite
Table 3+ Lab SOP Mass Discharge[8] (mg/s)				
HFPO-DA	**0.07**	**4.8E-03**	--	**0.20**
PFMOAA	**0.28**	**0.04**	--	**0.90**
PFO2HxA	**0.12**	**0.01**	--	ND
PFO3OA	**0.04**	**0.01**	--	ND
PFO4DA	**0.01**	**9.9E-04**	--	ND
PFO5DA	ND	**5.1E-05**	--	ND
PMPA	**0.03**	**3.8E-03**	--	**0.07**
PEPA	**0.01**	**1.3E-03**	--	ND
PS Acid	ND	ND	--	ND
Hydro-PS Acid	**1.4E-03**	**7.6E-05**	--	ND
R-PSDA	**3.3E-03**	**3.3E-04**	--	ND
Hydrolyzed PSDA	**0.01**	**3.7E-04**	--	ND
R-PSDCA	ND	ND	--	ND
NVHOS, Acid Form	**3.4E-03**	**6.4E-04**	--	ND
EVE Acid	ND	ND	--	ND
Hydro-EVE Acid	**5.4E-03**	**7.0E-05**	--	ND
R-EVE	**3.4E-03**	**1.5E-04**	--	ND
PES	ND	ND	--	ND
PFECA B	ND	ND	--	ND
PFECA-G	ND	ND	--	ND
Total Attachment C Mass Discharge[9,10]	**0.55**	**0.08**	--	**1.19**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**0.55**	**0.08**	--	**1.19**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**0.61**	**0.08**	--	**1.19**

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**9**	**Sum of All Pathways - Lower Bound**	**Sum of All Pathways - Upper Bound**	**--**
Pathway Name	**Georgia Branch Creek**			**Tar Heel Ferry Road Bridge**[7]
Flow (MG)	**3.2**			**--**
Instantaneous Flow (ft3/sec)	**--**			**6,560**
Program	**CAP SW Sampling 1Q22**			**CAP SW Sampling 1Q22**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1Q22-GBC-1-012622**			**CAP1Q22-CFR-TARHEEL-012622**
Sample Date and Time[2]	**1/26/2022**			**1/26/2022**
Sample Delivery Group (SDG)	**320-84289-1**			**320-84289-1**
Lab Sample ID	**320-84289-2**			**320-84289-5**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[8] ***(mg/s)***				
HFPO-DA	**0.06**	**1.83**	**1.85**	**0.82**
PFMOAA	**0.01**	**6.61**	**6.79**	**1.24**
PFO2HxA	**0.03**	**2.04**	**2.09**	**0.91**
PFO3OA	**4.7E-03**	**0.89**	**0.89**	ND
PFO4DA	**1.7E-03**	**0.84**	**0.83**	ND
PFO5DA	ND	**0.25**	**0.25**	ND
PMPA	**0.07**	**1.05**	**1.05**	ND
PEPA	**0.02**	**0.37**	**0.37**	ND
PS Acid	ND	**0.07**	**0.07**	ND
Hydro-PS Acid	**2.2E-03**	**0.12**	**0.12**	ND
R-PSDA	**2.1E-03**	**0.10**	**0.10**	ND
Hydrolyzed PSDA	ND	**0.44**	**0.44**	**0.58**
R-PSDCA	ND	**0.01**	**0.01**	ND
NVHOS, Acid Form	**4.3E-04**	**0.08**	**0.09**	ND
EVE Acid	ND	**0.02**	**0.02**	ND
Hydro-EVE Acid	ND	**0.11**	**0.10**	ND
R-EVE	**9.0E-04**	**0.04**	**0.04**	ND
PES	ND	**2.0E-05**	**3.0E-05**	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[9,10]	**0.19**	**14.0**	**14.2**	**2.97**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**0.19**	**14.1**	**14.3**	**2.97**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**0.19**	**14.9**	**15.1**	**3.53**

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**--**	**--**	**--**
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[7]**	**Kings Bluff[7]**
Flow (MG)	**3910**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**6,560**	**5,350**
Program	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1Q22-CFR-TARHEEL-24-012722**	**CAP1Q22-CFR-BLADEN-012622**	**CAP1Q22-CFR-KINGS-012822**
Sample Date and Time[2]	**1/27/2022**	**1/26/2022**	**1/28/2022**
Sample Delivery Group (SDG)	**320-84295-1**	**320-84289-1**	**320-84490-1**
Lab Sample ID	**320-84295-1**	**320-84289-4**	**320-84490-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[8] (mg/s)			
HFPO-DA	**0.72**	**0.80**	**0.53**
PFMOAA	**1.16**	**1.23**	**0.97**
PFO2HxA	**0.89**	**0.91**	**0.67**
PFO3OA	ND	ND	ND
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	**1.51**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.51**	**0.65**	ND
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.36**	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[9,10]	**2.74**	**2.97**	**3.64**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**3.08**	**2.97**	**3.64**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**3.60**	**3.53**	**3.64**

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 - The stormwater treatment system treats PFAS originating from Stormwater in the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. During the January Sampling Event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.

5 - 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.

6 - Lock Dam North was not sampled during the January Sampling event because the seep was under water due the river height.

7 - 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.

8 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A2 and A5, and 24-hour flow volumes reported in Table A3.

9 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A2 and Table A5, which are rounded to two significant figures.

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

11 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), 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 B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	4A
Pathway Name	**Upstream River Water and Groundwater**	**Willis Creek**	**Outfall 002[3]**	**Stormwater Treatment System[4]**
Flow (MG)	**4250**	**7.1**	**14.4**	**--**
Instantaneous Flow (ft3/sec)	**--**	**--**	**--**	**--**
Program	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**	**STS Compliance Sampling**
Location ID	**CFR-MILE-76**	**WC-1**	**OUTFALL 002**	**STS DISCHARGE**
Field Sample ID	**CAP1Q22-CFR-RM-76-012622**	**CAP1Q22-WC-1-24-012722**	**CAP1021-OUTFALL-002-24-102021**	**--**
Sample Date and Time[2]	**1/26/2022**	**1/27/2022**	**10/20/2021**	**--**
Sample Delivery Group (SDG)	**320-84289-1**	**320-84291-1**	**320-68081-1**	**--**
Lab Sample ID	**320-84289-3**	**320-84291-1**	**320-68081-2**	**--**
Sample Type	**Grab**	**Composite**	**Composite**	**--**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.10**	**2.0E-02**	**--**
PFMOAA	ND	**0.13**	**6.9E-03**	**--**
PFO2HxA	ND	**0.09**	**5.0E-03**	**--**
PFO3OA	ND	**0.02**	**1.3E-03**	**--**
PFO4DA	ND	**3.4E-03**	ND	**--**
PFO5DA	ND	ND	ND	**--**
PMPA	ND	**0.10**	**5.0E-03**	**--**
PEPA	ND	**0.03**	ND	**--**
PS Acid	ND	ND	ND	**--**
Hydro-PS Acid	ND	**2.5E-03**	ND	**--**
R-PSDA	ND	**0.01**	ND	**--**
Hydrolyzed PSDA	ND	**0.03**	**8.4E-03**	**--**
R-PSDCA	ND	ND	ND	**--**
NVHOS, Acid Form	ND	**3.1E-03**	ND	**--**
EVE Acid	ND	ND	ND	**--**
Hydro-EVE Acid	ND	**1.2E-03**	ND	**--**
R-EVE	ND	**3.0E-03**	ND	**--**
PES	ND	ND	ND	**--**
PFECA B	ND	ND	ND	**--**
PFECA-G	ND	ND	ND	**--**
Total Attachment C Mass Discharge[9,10]	ND	**0.47**	**0.04**	**--**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	ND	**0.47**	**0.04**	**--**
Total Table 3+ Mass Discharge (20 Compounds)[9]	ND	**0.50**	**0.05**	**--**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	5	5	6A	6B	6C
Pathway Name	Onsite Groundwater - Lower Bound[5]	Onsite Groundwater - Upper Bound[5]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.30	0.26	0.06
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	Seep Flow Through Cell Sampling 2022	CAP SW Sampling 1Q22	Seep Flow Through Cell Sampling 2022
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	SEEP-A-EFFLUENT-276-013122	CAP1Q22-SEEP-B-EFF-24-012722	SEEP-C-EFFLUENT-156-013122
Sample Date and Time[2]	--	--	1/31/2022	1/27/2022	1/31/2022
Sample Delivery Group (SDG)	--	--	320-84467-1	320-84289-1	320-84467-1
Lab Sample ID	--	--	320-84467-8	320-84289-8	320-84467-6
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.63**	**0.64**	**0.06**	**1.5E-04**	**5.7E-04**
PFMOAA	**3.46**	**3.63**	**1.6E-01**	**1.5E-03**	**9.5E-04**
PFO2HxA	**1.07**	**1.11**	**0.08**	**1.6E-04**	**3.0E-04**
PFO3OA	**0.60**	**0.59**	**0.03**	**2.8E-05**	**7.8E-05**
PFO4DA	**0.72**	**0.70**	**0.02**	ND	**3.0E-05**
PFO5DA	**0.21**	**0.20**	**0.01**	ND	ND
PMPA	**0.30**	**0.30**	**0.04**	**5.4E-04**	**5.1E-04**
PEPA	**0.09**	**0.09**	**0.01**	ND	**1.2E-04**
PS Acid	**0.03**	**0.03**	**0.01**	ND	ND
Hydro-PS Acid	**0.09**	**0.09**	**0.00**	ND	**6.5E-06**
R-PSDA	**0.08**	**0.08**	**0.00**	ND	**6.0E-05**
Hydrolyzed PSDA	**0.20**	**0.19**	**0.05**	**1.16E-04**	**5.4E-05**
R-PSDCA	**6.3E-03**	**6.2E-03**	**9.4E-05**	ND	ND
NVHOS, Acid Form	**0.05**	**0.05**	**0.00**	ND	**8.9E-06**
EVE Acid	**3.9E-03**	**3.8E-03**	**8.3E-04**	ND	ND
Hydro-EVE Acid	**0.06**	**0.06**	**0.00**	ND	**2.5E-05**
R-EVE	**0.03**	**0.03**	**0.00**	ND	**5.7E-05**
PES	**2.0E-05**	**3.0E-05**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[9,10]	**7.11**	**7.31**	**0.42**	**2.4E-03**	**2.6E-03**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**7.12**	**7.32**	**0.44**	**2.4E-03**	**2.6E-03**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**7.50**	**7.70**	**0.49**	**2.5E-03**	**2.7E-03**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock and Dam North	Old Outfall 002
Flow (MG)	0.13	0.01	--	0.82
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22	CAP SW Sampling 1Q22
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP1Q22-SEEP-D-EFF-24-012722	CAP1Q22-LOCK-DAM-SEEP-012622	0	CAP1Q22-OLDOF-1-19-012722
Sample Date and Time[2]	1/27/2022	1/26/2022	1/0/1900	1/27/2022
Sample Delivery Group (SDG)	320-84291-1	320-84289-2	0	320-84291-1
Lab Sample ID	320-84291-4	320-84289-1	0	320-84291-6
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**4.8E-03**	ND	**7.2E-03**
PFMOAA	**2.0E-05**	**0.04**	ND	**0.02**
PFO2HxA	ND	**0.01**	ND	**0.01**
PFO3OA	ND	**5.8E-03**	ND	**3.6E-03**
PFO4DA	ND	**9.9E-04**	ND	**1.4E-03**
PFO5DA	ND	**5.1E-05**	ND	**5.4E-04**
PMPA	ND	**3.8E-03**	ND	**4.7E-03**
PEPA	ND	**1.3E-03**	ND	**1.7E-03**
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	**7.6E-05**	ND	**2.2E-04**
R-PSDA	ND	**3.3E-04**	ND	**2.0E-04**
Hydrolyzed PSDA	ND	**3.7E-04**	ND	**3.2E-04**
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	ND	**6.4E-04**	ND	**4.0E-04**
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	**7.0E-05**	ND	**1.1E-04**
R-EVE	ND	**1.5E-04**	ND	**7.5E-05**
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[9,10]	**2.0E-05**	**0.08**	ND	**0.05**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**2.0E-05**	**0.08**	ND	**0.05**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**2.0E-05**	**0.08**	ND	**0.05**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**9**	**Sum of All Pathways - Lower Bound**	**Sum of All Pathways - Upper Bound**	**--**
Pathway Name	**Georgia Branch Creek**			**Tar Heel Ferry Road Bridge**[6]
Flow (MG)	**3.2**			**--**
Instantaneous Flow (ft3/sec)	**--**			**6,560**
Program	**CAP SW Sampling 1Q22**			**CAP SW Sampling 1Q22**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1Q22-GBC-1-012622**			**CAP1Q22-CFR-TARHEEL-012622**
Sample Date and Time[2]	**1/26/2022**			**1/26/2022**
Sample Delivery Group (SDG)	**320-84289-1**			**320-84289-1**
Lab Sample ID	**320-84289-2**			**320-84289-5**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***				
HFPO-DA	**0.06**	**0.88**	**0.89**	**0.82**
PFMOAA	**0.01**	**3.83**	**4.00**	**1.24**
PFO2HxA	**0.03**	**1.30**	**1.34**	**0.91**
PFO3OA	**4.7E-03**	**0.66**	**0.65**	ND
PFO4DA	**1.7E-03**	**0.74**	**0.73**	ND
PFO5DA	ND	**0.22**	**0.21**	ND
PMPA	**0.07**	**0.52**	**0.53**	ND
PEPA	**0.02**	**0.15**	**0.15**	ND
PS Acid	ND	**0.04**	**0.04**	ND
Hydro-PS Acid	**2.2E-03**	**0.10**	**0.10**	ND
R-PSDA	**2.1E-03**	**0.09**	**0.09**	ND
Hydrolyzed PSDA	ND	**0.28**	**0.28**	**0.58**
R-PSDCA	ND	**6.4E-03**	**6.3E-03**	ND
NVHOS, Acid Form	**4.3E-04**	**0.05**	**0.05**	ND
EVE Acid	ND	**4.8E-03**	**4.7E-03**	ND
Hydro-EVE Acid	ND	**0.07**	**0.07**	ND
R-EVE	**9.0E-04**	**0.03**	**0.03**	ND
PES	ND	**2.0E-05**	**3.0E-05**	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[9,10]	**0.19**	**8.4**	**8.6**	**2.97**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**0.19**	**8.4**	**8.6**	**2.97**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**0.19**	**8.9**	**9.1**	**3.53**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff**[6]	**Kings Bluff**[6]
Flow (MG)	**3910**	--	--
Instantaneous Flow (ft3/sec)	--	**6,560**	**5,350**
Program	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**	**CAP SW Sampling 1Q22**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1Q22-CFR-TARHEEL-24-012722**	**CAP1Q22-CFR-BLADEN-012622**	**CAP1Q22-CFR-KINGS-012822**
Sample Date and Time[2]	**1/27/2022**	**1/26/2022**	**1/28/2022**
Sample Delivery Group (SDG)	**320-84295-1**	**320-84289-1**	**320-84490-1**
Lab Sample ID	**320-84295-1**	**320-84289-4**	**320-84490-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***			
HFPO-DA	**0.72**	**0.80**	**0.53**
PFMOAA	**1.16**	**1.23**	**0.97**
PFO2HxA	**0.89**	**0.91**	**0.67**
PFO3OA	ND	ND	ND
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	**1.51**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.51**	**0.65**	ND
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.36**	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[9,10]	**2.74**	**2.97**	**3.64**
Total Table 3+ Mass Discharge (17 compounds)[9,11]	**3.08**	**2.97**	**3.64**
Total Table 3+ Mass Discharge (20 Compounds)[9]	**3.60**	**3.53**	**3.64**

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 - The stormwater treatment system treats PFAS originating from Stormwater in the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. During the January Sampling Event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.

5 - 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.

6 - Lock Dam North was not sampled during the January Sampling event because the seep was under water due the river height.

7 - 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.

8 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A2 and A5, and 24-hour flow volumes reported in Table A3.

9 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A2 and Table A5, which are rounded to two significant figures.

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

11 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), 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 B15
CAPE FEAR RIVER TOTAL PFAS RELATIVE MASS DISCHARGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	January 2022			
	Total Attachment C[2]		Total Table 3+ (20 Compounds)	
	Lower	Upper	Lower	Upper
[1] Upstream River Water and Groundwater	<1%	<1%	<1%	<1%
[2] Willis Creek	3%	3%	3%	3%
[3] Aerial Deposition on Water Features	<1%	<1%	<1%	<1%
[4] Outfall 002	<1%	<1%	<1%	<1%
Outfall 002 (After Remedies)	--[3]	--[3]	--[3]	--[3]
[5] Onsite Groundwater	51%	51%	50%	51%
[6] Seeps	36%	35%	37%	36%
Seeps (After Remedies)[4]	*4%*	*4%*	*4%*	*4%*
[7] Old Outfall 002	8%	8%	8%	8%
Old Outfall 002 (After Remedies)[5]	*<1%*	*<1%*	*<1%*	*<1%*
[8] Offsite Adjacent and Downstream Groundwater	<1%	<1%	<1%	<1%
[9] Georgia Branch Creek	1%	1%	1%	1%

Notes:

< - less than indicated value.

1 - Relative contributions were calculated using the before remedies Total Attachment C and Total Table 3+ (20 compounds) model-estimated mass discharges (Tables 8A). These relative contributions are presented as a range, which represents the upper and lower bound model estimates.

2 - Mass dicharge calculations for Total Attachment C does not include Perfluorohepthanoic acid (PFHpA).

3 - The Outfall 002 (After Remedies) relative contributions are calculated using the After Remedies model-estimated mass discharge at the Stormwater Treatment System. The Stormwater Treatment System treats stormwater flows in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. During the January Sampling Events there was no stormwater flow to the stormwater treatment system; therefore was no relative contribution from Outfall 002 (after remedies).

4 - The Seeps (After Remedies) relative contributions for January 2022 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D, and Lock and Dam Seep (Tables 8B).

5 - The Old Outfall 002 (After Remedies) relative contributions for January 2022 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables 8B).

Appendix C

Field Forms

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	16:12	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				
CAP1Q22-CFR-BLADEN-012622	01-26-2022 16:10		7.19	11.77	104.60	30.03	130.99	6.17	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	27
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	57
Total Depth to Bottom of Channel (ft):	19.4	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

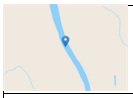
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	38.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7720885416474
Longitude:	-78.7980986328882



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-28-2022	Time:	11:50	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				
CAP1Q22-CFR-KINGS-012822	01-28-2022	12:00	7.25	10.96	110.20	21.46	93.95	7.67	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	84
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	30
Total Depth to Bottom of Channel (ft):	19.5	Multi Meter ID:	706751	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

ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	44.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.4067749742249
Longitude:	-78.2946923605885

GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	09:20	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				
CAP1Q22-CFR-RM-76-012622	01-26-2022 09:30		6.19	10.18	252.30	19.42	130.70	4.69	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	12.5	Distance to River Right:	25
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	61
Total Depth to Bottom of Channel (ft):	25.4	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

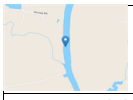
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	40.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.852918
Longitude:	-78.8269559



GPS Location (if collected)

River Left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	16:35	General Comments:	Composite sample also collected at this location. CAP1Q22-CFR-TARHEEL-24-012722: 1/26/22 12:54-1/27/22 11:54. Sample Time:11:54

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-CFR-TARHEEL-012622	01-26-2022 16:40		7.23	11.85	135.70	85.27	128.90	5.89	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	25
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	60
Total Depth to Bottom of Channel (ft):	19.5	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

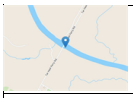
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	37.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude: 34.7442740461936
Longitude: -78.7853714605345



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	14:45	General Comments:	Due to river influence and depth of stream, sampling location was moved upstream.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-GBC-1-012622	1/26/2022 14:45		4.67	10.27	290.00	0.68	111.65	8.85	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

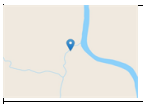
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8137534
Longitude:	-78.8227449



GPS Location (if collected)

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

Looking downstream

Looking upstream

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM-NORTH	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	12:37	General Comments:	Due to river height seep is under water.

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

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)

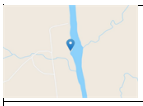
ALL PARAMETERS ANALYZED

--

WEATHER CONDITIONS

Temperature (F):	42.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8338574
Longitude:	-78.8235789



GPS Location (if collected)

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

Where seep usually is.

Looking up boat ramp.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM SEEP	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	12:20	General Comments:	Flow measured using bucket method, 3 measurements were taken with a 2 l bottle. The average time to fill the bottle was 3.44 seconds.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-LOCK-DAM-SEEP-012622	01-26-2022	12:25	5.76	10.13	153.10	6.96	144.94	8.46	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	34.88
		Multi Meter ID:	766679	Flow Rate Units:	L/min

SAMPLE SET

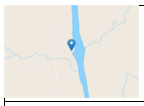
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

Table 3+ (20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS	
Temperature (F):	42.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.8338838
Longitude: -78.8237358



GPS Location (if collected)

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

Sample/flow location

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	JENNESSA PETERSON|LUKE TART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-25-2022 Time: 15:04

WATER VOLUME CALCULATION

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

Water Volume = 2.094

Initial Depth to Water (ft.): 15.65 Depth to Well Bottom (ft.): 28.74

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			
15:30	16.20	180.00	900.00	3.71	0.55	296.10	5.80	135.12	16.69	None	Clear	
15:35	16.24	180.00	900.00	3.72	0.30	323.70	3.61	133.36	16.64	Clear	None	
15:40	16.24	180.00	900.00	3.73	0.30	339.10	0.34	131.79	16.61	Clear	No	
15:45	16.24	180.00	900.00	3.74	0.30	350.60	0.22	131.09	16.65	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-25-2022 Time: 15:45
Field Filtered: No

Purge Start Time: 15:25
Total Volume Purged (mL): 3600

Field Parameters

STABILIZED PARAMETERS	
pH	3.74
Spec. Cond.(µS/cm)	131.09
Turbidity (NTU)	0.22
Temp.(°C)	16.65
DO (mg/L)	0.30
ORP (mV)	350.60

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)

Sample ID: CAP1Q22-LTW-01-012522
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-02	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|SCOTT SKRZYDLINSKI	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 35
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-25-2022 Time: 15:15

WATER VOLUME CALCULATION

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

Water Volume = 5.088

Initial Depth to Water (ft.): 8.66 Depth to Well Bottom (ft.): 40.46

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			
15:25	8.82	400.00	400.00	4.84	0.25	122.60	4.59	78.48	17.03	Clear	No	
15:30	8.85	400.00	2000.00	4.81	0.14	112.50	1.75	78.19	16.91	Clear	No	
15:35	8.84	400.00	2000.00	4.81	0.06	103.00	0.74	77.89	17.02	Clear	No	
15:40	8.86	400.00	2000.00	4.82	0.06	98.50	0.43	77.98	16.96	Clear	No	
15:45	8.86	400.00	2000.00	4.82	0.06	96.30	0.02	77.89	16.93	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-25-2022 Time: 15:45
Field Filtered: No

Purge Start Time: 15:24
Total Volume Purged (mL): 8400

Field Parameters

STABILIZED PARAMETERS	
pH	4.82
Spec. Cond.(µS/cm)	77.89
Turbidity (NTU)	0.02
Temp.(°C)	16.93
DO (mg/L)	0.06
ORP (mV)	96.30

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)

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

Sample ID: CAP1Q22-LTW-02-012522
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	TAYLOR CRITTENDEN|VALERIA GOFIGAN-MCKENNA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-25-2022 Time: 12:10

WATER VOLUME CALCULATION

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

Water Volume = 3.261

Initial Depth to Water (ft.): 12.38 Depth to Well Bottom (ft.): 32.76

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			
12:50	12.65	160.00	800.00	4.45	1.97	305.40	57.70	95.12	16.09	Cloudy	No	
12:55	12.71	160.00	800.00	4.4	1.75	318.30	55.00	95.70	16.14	Cloudy	No	
13:00	12.77	160.00	800.00	4.48	1.99	303.10	17.70	94.78	16.23	Clear	No	
13:05	12.80	160.00	800.00	4.47	1.59	303.80	16.90	95.73	16.27	Clear	No	
13:10	12.83	160.00	800.00	4.48	0.24	301.80	15.00	95.37	16.45	Clear	No	
13:15	12.84	160.00	800.00	4.5	0.18	291.60	7.17	94.61	16.39	Clear	No	
13:20	12.84	160.00	800.00	4.51	0.12	285.50	6.87	94.58	16.43	Clear	No	
13:25	12.84	160.00	800.00	4.52	0.12	283.00	2.23	94.11	16.50	Clear	No	
13:30	12.84	160.00	800.00	4.52	0.12	283.20	3.08	94.14	16.42	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-25-2022 Time: 13:30
Field Filtered: No

Purge Start Time: 12:45
Total Volume Purged (mL): 7200

Field Parameters

STABILIZED PARAMETERS	
pH	4.52
Spec. Cond.(µS/cm)	94.14
Turbidity (NTU)	3.08
Temp.(°C)	16.42
DO (mg/L)	0.12
ORP (mV)	283.20

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

Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

Sample ID: CAP1Q22-LTW-03-012522
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	49.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-04	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 01-18-2022 Time: 13:15

WATER VOLUME CALCULATION

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

Water Volume = 2.704

Initial Depth to Water (ft.): 7.58 Depth to Well Bottom (ft.): 24.48

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			
13:30	9.26	100.00	600.00	4.4	0.47	262.40	113.90	95.42	13.82	Cloudy	No	
13:35	9.41	100.00	500.00	4.41	0.45	261.40	72.30	94.64	14.14	Cloudy	No	
13:40	9.70	100.00	500.00	4.37	0.33	284.10	81.60	93.47	14.18	Cloudy	No	
13:45	9.96	100.00	500.00	4.36	0.28	297.50	74.60	93.90	14.25	Cloudy	No	
13:50	10.22	100.00	500.00	4.35	0.24	308.80	72.80	94.00	14.66	Cloudy	No	
13:55	10.47	100.00	500.00	4.34	0.21	322.20	69.30	93.77	14.50	Cloudy	No	
14:00	10.60	100.00	500.00	4.33	0.19	322.20	73.50	94.30	14.71	Cloudy	No	
14:05	10.85	100.00	500.00	4.38	0.16	326.10	57.20	92.61	14.65	Cloudy	No	
14:10	11.01	100.00	500.00	4.4	0.15	318.90	41.70	89.63	14.55	Cloudy	No	
14:15	11.14	100.00	500.00	4.46	0.15	320.20	39.50	87.24	14.49	Cloudy	No	
14:20	11.22	100.00	500.00	4.41	0.15	333.80	41.00	89.44	14.54	Cloudy	No	
14:25	11.28	100.00	500.00	4.38	0.14	333.00	38.90	89.02	14.28	Cloudy	No	
14:30	11.32	100.00	500.00	4.41	0.14	328.10	33.90	88.80	14.89	Cloudy	No	
14:35	11.38	100.00	500.00	4.45	0.13	318.00	32.60	88.37	14.88	Cloudy	No	
14:40	11.40	100.00	500.00	4.46	0.13	312.30	31.20	88.41	14.92	Cloudy	No	
14:45	11.46	100.00	500.00	4.49	0.12	304.70	31.90	88.05	14.71	Cloudy	No	
14:50	11.49	100.00	500.00	4.5	0.12	301.80	27.40	87.01	14.62	Cloudy	No	
15:00	11.55	100.00	1000.00	4.5	0.12	302.00	25.20	86.56	14.17	Clear	No	
15:05	11.59	100.00	500.00	4.5	0.11	301.50	18.40	86.58	13.89	Clear	No	
15:10	11.61	100.00	500.00	4.5	0.12	301.60	17.60	86.57	14.02	Clear	No	
15:15	11.63	100.00	500.00	4.47	0.12	307.70	17.50	87.53	14.12	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-18-2022 Time: 15:15
Field Filtered: No

Purge Start Time: 13:24
Total Volume Purged (mL): 11100

Field Parameters

STABILIZED PARAMETERS	
pH	4.47
Spec. Cond.(µS/cm)	87.53
Turbidity (NTU)	17.50
Temp.(°C)	14.12
DO (mg/L)	0.12
ORP (mV)	307.70

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: CAP1Q22-LTW-04-011822
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-05	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 38
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-18-2022 Time: 16:00

WATER VOLUME CALCULATION

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

Water Volume = 6.106

Initial Depth to Water (ft.): 8.99 Depth to Well Bottom (ft.): 47.15

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			
16:15	9.21	400.00	2800.00	4.48	0.14	255.60	25.30	104.56	14.81	Clear	No	
16:20	9.21	400.00	2000.00	4.32	0.07	243.80	19.00	104.04	16.77	Clear	No	
16:25	9.21	400.00	2000.00	4.32	0.06	222.00	14.10	104.07	16.86	Clear	No	
16:30	9.21	400.00	2000.00	4.33	0.04	185.10	19.70	103.50	16.77	Clear	No	
16:35	9.21	400.00	2000.00	4.33	0.04	179.00	14.20	103.40	16.88	Clear	No	
16:40	9.21	400.00	2000.00	4.33	0.04	172.20	10.20	103.25	16.78	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-18-2021 Time: 16:40
Field Filtered: No

Purge Start Time: 16:08
Total Volume Purged (mL): 12800

Field Parameters

STABILIZED PARAMETERS	
pH	4.33
Spec. Cond.(µS/cm)	103.25
Turbidity (NTU)	10.20
Temp.(°C)	16.78
DO (mg/L)	0.04
ORP (mV)	172.20

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: CAP1Q22-LTW-05-011821
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	12:19	General Comments:	Isco ran for 19 hours without error and did not collect samples from your 20-24

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-OLDOF-1-19-012722	01-27-2022 02:54		6.93	10.37	214.60	3.01	173.58	11.10	Clear	None	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:54	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 02:54	Old Outfall Bypass(Yes/No):	No

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)

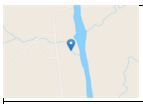
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8320038865368
Longitude:	-78.8239545633981



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	14:15	General Comments:	Isco ran for 21 hours without error, and did not collect the final 3 hours due to errors

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-OUTFALL-002-21-012722	01-27-2022 04:30		7.04	10.72	115.50	23.79	167.66	10.59	Clear	None	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:30	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 04:30	Old Outfall Bypass(Yes/No):	No

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)

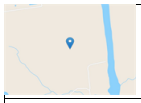
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude:	34.8384317778763
Longitude:	-78.8285340419608



GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PIW-1D | Well Diameter: 2 Inches

Samplers: JENNESSA PETERSON|TAYLOR CRITTENDEN | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 25

Pump Loc: within screen

Method: Peristaltic Pump | Date: 01-24-2022 | Time: 12:58

WATER VOLUME CALCULATION

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

Water Volume = 2.248

Initial Depth to Water (ft.): 17.7 | 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			
13:05	17.74	280.00	1960.00	3.61	4.97	421.30	26.20	166.33	16.63	Clear	None	
13:10	17.74	280.00	1400.00	3.61	1.19	389.10	32.00	165.95	16.72	Clear	None	
13:15	17.74	280.00	1400.00	3.59	0.22	374.10	63.60	166.98	16.79	Clear	None	
13:20	17.74	280.00	1400.00	3.6	0.24	370.60	61.90	167.41	16.81	Clear	None	
13:25	17.74	280.00	1400.00	3.59	0.28	370.00	36.80	166.91	16.74	Clear	None	
13:30	17.74	280.00	1400.00	3.6	0.10	369.00	28.20	166.67	16.80	Clear	None	
13:35	17.74	280.00	1400.00	3.6	0.07	366.40	16.60	166.46	16.76	Clear	None	
13:39	17.74	280.00	1120.00	3.6	0.11	366.90	12.30	166.88	16.78	Clear	None	
13:45	17.74	280.00	1680.00	3.6	0.11	366.00	13.70	166.85	16.85	Clear	None	
13:50	17.74	280.00	1400.00	3.6	0.11	365.40	12.30	166.24	16.79	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 01-24-2022 | Time: 13:50

Field Filtered: No

Purge Start Time: 12:58

Total Volume Purged (mL): 14560

Field Parameters

STABILIZED PARAMETERS	
pH	3.60
Spec. Cond.(µS/cm)	166.24
Turbidity (NTU)	12.30
Temp.(°C)	16.79
DO (mg/L)	0.11
ORP (mV)	365.40

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: CAP1Q22-PIW-1D-012422

DuplicateID: CAP1Q22-PIW-1D-012422-D

QA/QC: Dup|MS|REP

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	49.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	JENNESSA PETERSON|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 01-24-2022 Time: 12:12

WATER VOLUME CALCULATION

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

Water Volume = 0.285

Initial Depth to Water (ft.): 20.18 Depth to Well Bottom (ft.): 21.96

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			
12:15	20.63	180.00	540.00	4.12	2.25	334.80	8.92	233.07	15.60	Clear	No	
12:20	20.77	180.00	900.00	4.11	2.18	355.00	11.90	234.01	16.10	Clear	None	
12:25	21.14	180.00	900.00	4.11	2.51	365.90	30.00	235.59	16.09	Clear	None	
12:30	21.50	180.00	900.00	4.12	2.57	358.70	140.00	232.81	16.53	Cloudy	No	
12:35	21.77	180.00	900.00	4.11	2.74	339.50	18.79	321.49	15.96	Clear	None	
12:40	21.79	180.00	900.00	4.1	2.83	235.80	17.50	231.49	15.60	Clear	None	Well dry with NTU under 20. Will sample upon recharge.

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-24-2022 Time: 12:40
Field Filtered: No

Purge Start Time: 12:12
Total Volume Purged (mL): 5040

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--
Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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: CAP1Q22-PIW-1S-012422
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	JENNESSA PETERSON|LUKE TART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-25-2022 Time: 12:25

WATER VOLUME CALCULATION

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

Water Volume = 1.629

Initial Depth to Water (ft.): 16.62 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			
12:45	16.89	300.00	1500.00	4.21	0.64	147.30	20.72	--	16.95	Clear	None	
12:50	16.88	300.00	1500.00	4.31	0.17	56.30	8.75	--	16.98	Clear	None	
12:55	16.88	300.00	1500.00	4.36	0.09	55.40	3.80	--	17.08	Clear	None	
13:00	16.82	300.00	1500.00	4.17	0.46	100.10	1.81	--	16.91	Clear	None	
13:05	16.88	300.00	1500.00	4.3	0.40	78.90	0.88	--	17.06	Clear	None	
13:10	16.88	300.00	1500.00	4.34	0.25	65.50	0.69	--	17.11	Clear	None	
13:15	16.88	300.00	1500.00	4.33	0.34	63.70	0.75	--	17.10	Clear	None	
13:25	16.88	300.00	3000.00	4.53	0.49	74.60	0.75	80.95	17.18	Clear	None	Changed auqatrolls to trouble shoot high specific conductivity
13:30	16.88	300.00	1500.00	4.55	0.36	60.60	0.47	79.98	17.21	Clear	None	
13:35	16.88	300.00	1500.00	4.55	0.43	42.30	0.84	78.97	17.11	Clear	None	
13:40	16.88	300.00	1500.00	4.58	0.30	20.00	0.59	78.52	17.24	Clear	None	
13:45	16.88	300.00	1500.00	4.6	0.28	6.00	0.33	76.96	17.28	Clear	None	
13:50	16.88	300.00	1500.00	4.65	0.31	-3.90	0.22	76.26	17.22	Clear	None	
13:55	16.88	300.00	1500.00	4.7	0.22	-17.50	0.40	76.12	17.32	Clear	None	
14:00	16.88	300.00	1500.00	4.73	0.20	-25.40	0.20	74.87	17.30	Clear	None	
14:05	16.88	300.00	1500.00	4.81	0.20	-27.70	0.30	73.68	17.27	Clear	None	
14:10	16.88	300.00	1500.00	4.81	0.20	-29.20	0.68	73.80	17.29	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-25-2022 Time: 14:10
Field Filtered: No

Purge Start Time: 12:40
Total Volume Purged (mL): 27000

Field Parameters

STABILIZED PARAMETERS	
pH	4.81
Spec. Cond.(µS/cm)	73.80
Turbidity (NTU)	0.68
Temp.(°C)	17.29
DO (mg/L)	0.20
ORP (mV)	-29.20

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
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

Sample ID: CAP1Q22-PIW-3D-012522
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7D	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-18-2022 Time: 15:35

WATER VOLUME CALCULATION

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

Water Volume = 5.115

Initial Depth to Water (ft.): 5.08 Depth to Well Bottom (ft.): 37.05

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			
15:50	5.11	340.00	680.00	4.14	0.20	87.70	277.00	97.81	15.59	Cloudy	None	
15:55	5.11	340.00	1700.00	4.12	0.14	96.50	99.60	99.12	15.50	Cloudy	None	
16:00	5.11	340.00	1700.00	4.11	0.10	102.70	43.80	100.23	15.53	Cloudy	None	
16:05	5.11	340.00	1700.00	4.09	0.06	106.70	16.40	99.63	15.42	Clear	None	
16:10	5.10	340.00	1700.00	4.11	0.06	101.10	9.11	99.04	15.55	Clear	None	
16:15	5.10	340.00	1700.00	4.1	0.06	97.40	5.26	99.86	15.61	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-18-2022 Time: 16:15
Field Filtered: No

Purge Start Time: 15:48
Total Volume Purged (mL): 9180

Field Parameters

STABILIZED PARAMETERS	
pH	4.10
Spec. Cond.(µS/cm)	99.86
Turbidity (NTU)	5.26
Temp.(°C)	15.61
DO (mg/L)	0.06
ORP (mV)	97.40

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: CAP1Q22-PIW-7D-011822
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	42.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7S	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 17
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-18-2022 Time: 14:25

WATER VOLUME CALCULATION

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

Water Volume = 2.443

Initial Depth to Water (ft.): 4.94 Depth to Well Bottom (ft.): 20.21

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			
14:40	5.29	280.00	1400.00	5.31	0.22	24.70	69.60	140.22	14.53	Cloudy	None	
14:45	5.33	280.00	1400.00	5.35	0.14	6.50	68.30	140.70	14.54	Cloudy	None	
14:50	5.36	280.00	1400.00	5.39	0.11	-6.00	79.40	142.14	15.30	Cloudy	None	
14:55	5.38	280.00	1400.00	5.44	0.08	-15.10	54.00	140.29	15.47	Cloudy	None	
15:00	5.40	280.00	1400.00	5.51	0.08	-22.40	31.90	138.73	15.19	Cloudy	None	
15:05	5.40	280.00	1400.00	5.55	0.07	-28.40	24.10	138.34	15.23	Clear	None	
15:10	5.41	280.00	1400.00	5.57	0.08	-30.50	20.68	138.40	15.09	Clear	None	
15:15	5.42	280.00	1400.00	5.6	0.08	-31.00	19.20	138.54	15.60	Clear	None	
15:20	5.41	280.00	1400.00	5.61	0.08	-32.10	15.40	139.31	15.20	Clear	None	
15:25	5.42	280.00	1400.00	5.61	0.08	-30.10	11.00	139.00	15.39	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-18-2022 Time: 15:25
Field Filtered: No

Purge Start Time: 14:35
Total Volume Purged (mL): 14000

Field Parameters

STABILIZED PARAMETERS	
pH	5.61
Spec. Cond.(µS/cm)	139.00
Turbidity (NTU)	11.00
Temp.(°C)	15.39
DO (mg/L)	0.08
ORP (mV)	-30.10

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
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

Sample ID: CAP1Q22-PIW-7S-011822
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PW-04 | Well Diameter: 2 Inches

Samplers: JENNESSA PETERSON|TAYLOR CRITTENDEN | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: --

Pump Loc: bottom of well

Method: Peristaltic Pump | Date: 01-24-2022 | Time: 10:35

WATER VOLUME CALCULATION

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

Water Volume = 0.341

Initial Depth to Water (ft.): 28.68 | 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			
10:40	29.62	200.00	1000.00	2.98	0.60	377.80	47.60	807.74	13.81	Clear	None	
10:45	30.56	200.00	1000.00	2.95	0.41	379.00	236.00	746.27	13.60	Cloudy	None	
10:50	--	--	--	--	--	--	--	--	--	--	--	Well dry
15:05	29.52	120.00	--	3.04	0.65	376.40	35.20	730.03	15.57	Clear	None	
15:10	29.58	120.00	600.00	3.05	0.52	375.50	95.80	724.28	15.20	Clear	No	
15:15	30.70	120.00	600.00	3.02	0.42	370.40	63.50	748.32	14.93	Cloudy	None	
15:20	30.82	120.00	600.00	2.99	6.90	365.70	73.50	0.07	15.48	Clear	None	

Sampling Data

Zero HS: --

Method: -- | Date: -- | Time: --

Field Filtered: --

Purge Start Time: 10:35

Total Volume Purged (mL): 3800

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--
Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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

--

WEATHER CONDITIONS	
Temperature (F):	34.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-04	Well Diameter:	2 Inches
Samplers:	YLOR CRITTENDEN|VALERIA GOFIGAN-MCKENN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 01-25-2022 Time: 11:10

WATER VOLUME CALCULATION

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

Water Volume = 0.349

Initial Depth to Water (ft.): 28.63 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			
11:15	29.45	150.00	600.00	3.05	1.05	397.30	22.63	741.53	14.41	Clear	No	
11:20	29.61	150.00	750.00	2.98	0.53	398.40	251.62	730.00	15.09	Cloudy	No	
11:25	30.08	150.00	750.00	2.98	0.36	394.40	138.00	714.86	15.40	Cloudy	No	
11:30	30.66	150.00	750.00	3.03	0.30	384.00	66.32	656.10	15.17	Cloudy	No	Well dry, purged five well volumes. Will sample when well recharges.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: 1/25/2022 Time: 11:30
Field Filtered: Yes

Purge Start Time: 11:10
Total Volume Purged (mL): 6,650 (over two days)

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--
Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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)

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA; 537 MOD (13 PFCAs)

Sample ID: CAP1Q22-PW-04-012522
DuplicateID: CAP1Q22-PW-04-012522-Z
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-06	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-13-2022 Time: 13:50

WATER VOLUME CALCULATION

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

Water Volume = 2.115

Initial Depth to Water (ft.): 19.63 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			
14:05	20.29	250.00	1250.00	5.1	3.85	341.90	3.43	47.02	16.31	Clear	None	
14:10	20.85	250.00	1250.00	4.63	3.45	317.50	3.31	49.91	16.51	Clear	None	
14:15	20.90	250.00	1250.00	4.5	3.22	296.10	3.03	52.09	16.56	Clear	None	
14:20	20.92	250.00	1250.00	4.46	3.12	290.40	3.36	53.70	16.54	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-13-2022 Time: 14:20
Field Filtered: No

Purge Start Time: 14:00
Total Volume Purged (mL): 5000

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	53.70
Turbidity (NTU)	3.36
Temp.(°C)	16.54
DO (mg/L)	3.12
ORP (mV)	290.40

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
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

Sample ID: CAP1Q22-PW-06-011322
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	1

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-07	Well Diameter:	2 Inches
Samplers:	LUKE TART|VALERIA GOFIGAN-MCKENNA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: bottom of well
Method: Bailer Date: 01-24-2022 Time: 10:19

WATER VOLUME CALCULATION			
= (Total Depth of Well - Depth To Water) x Casing Volume per Foot			
Water Volume =	0.168		
Initial Depth to Water (ft.):	40.72	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			
10:31	--	--	-	5.34	7.55	246.90	33.80	41.18	17.90	Clear	None	Begin purge, reading from first pull of bailer. 1/24/22
10:38	--	--	-	--	--	--	--	--	--	--	--	Finished purging, about 900 mL purged. 1/24/22
12:24	--	--	-	--	--	--	--	--	--	--	--	Return to well begin second purge. 1/24/22
15:30	--	--	-	--	--	--	--	--	--	--	--	Return for third purge. 1/24/22
15:31	--	--	200.00	4.84	8.29	211.60	8.57	33.50	17.04	Clear	None	Total of 1500 mL purged. Well went dry with turbidity <20. 1/24/22
--	--	--	--	--	--	--	--	--	--	--	--	Returned every day to purge more volume until 3,200 ml (five well volumes) were purged. This was accomplished 1/27/22.
--	--	--	--	--	--	--	--	--	--	--	--	Began sampling on 1/27/22, to get volume needed for analysis we had to return on 1/31/22 to retrieve additional volume, at this point the well was left unpurged for two days.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: 1/27/2022 Time: 12:25
Field Filtered: Yes
Purge Start Time: --
Total Volume Purged (mL): 3,200

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--
Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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: CAP1Q22-PW-07-012722
DuplicateID: CAP1Q22-PW-07-012722-Z
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS	
Temperature (F):	44.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PW-09 | Well Diameter: 2 Inches

Samplers: CHARLES PACE|TAYLOR CRITTENDEN | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 50

Pump Loc: within screen

Method: Double valve pump | Date: 01-07-2022 | Time: 10:25

WATER VOLUME CALCULATION

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

Water Volume = 5.219

Initial Depth to Water (ft.): 25.09 | 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			
11:05	28.07	500.00	2500.00	11.37	0.61	-2.10	34.86	415.32	16.01	Clear	No	
11:10	29.55	500.00	2500.00	11.46	0.55	-12.80	27.59	418.09	16.24	Clear	No	
11:15	30.79	500.00	2500.00	11.42	0.33	-30.00	63.90	335.71	16.21	Clear	No	
11:20	30.95	500.00	2500.00	9.82	0.22	-1.10	223.68	145.47	16.25	Cloudy	No	
11:25	31.23	500.00	2500.00	9.32	0.12	-78.10	149.11	124.57	16.18	Cloudy	No	
11:30	31.40	500.00	2500.00	8.91	0.11	-208.80	149.45	113.91	16.26	Cloudy	No	
11:35	31.45	500.00	2500.00	8.21	0.10	-198.90	153.80	106.81	16.29	Cloudy	No	
11:40	31.48	500.00	2500.00	8	0.08	-174.00	136.41	102.52	16.33	Cloudy	No	
11:45	31.50	500.00	2500.00	7.61	0.08	-133.20	131.13	97.29	16.28	Cloudy	No	
11:50	31.50	500.00	2500.00	7.27	0.19	-105.60	112.65	95.18	16.35	Cloudy	No	
11:55	31.50	500.00	2500.00	7.14	0.19	-94.90	106.66	91.85	16.31	Cloudy	No	
12:00	31.40	500.00	2500.00	7.17	0.30	-94.20	103.33	91.99	16.39	Cloudy	No	
12:05	31.40	500.00	2500.00	7.02	0.29	-85.70	91.96	90.94	16.49	Cloudy	No	
12:10	31.40	500.00	2500.00	6.9	0.29	-78.20	83.07	88.43	16.51	Cloudy	No	
12:15	31.40	500.00	2500.00	6.85	0.23	-76.40	77.23	87.54	16.49	Cloudy	No	
12:20	31.40	500.00	2500.00	6.97	0.40	-81.20	59.41	87.97	16.56	Cloudy	No	
12:25	31.40	500.00	2500.00	6.86	0.33	-74.60	67.59	86.34	16.32	Cloudy	No	
12:30	31.40	500.00	2500.00	6.79	0.28	-72.70	76.30	85.24	16.46	Cloudy	No	
12:35	31.40	500.00	2500.00	6.81	0.23	-72.10	56.55	84.24	16.33	Cloudy	No	
12:40	31.40	500.00	2500.00	6.83	0.20	-74.10	58.04	84.12	16.52	Cloudy	No	
12:45	31.40	500.00	2500.00	6.63	0.28	-61.00	70.92	82.47	16.33	Cloudy	No	
12:50	31.40	500.00	2500.00	6.62	0.21	-61.70	62.63	82.59	16.27	Cloudy	No	
12:55	31.40	500.00	2500.00	6.74	0.25	-68.30	68.43	81.45	16.36	Cloudy	No	
13:00	31.40	500.00	2500.00	6.67	0.23	-64.90	45.32	82.18	16.27	Cloudy	No	
13:05	31.40	500.00	2500.00	6.57	0.30	-58.70	56.07	80.96	16.27	Cloudy	No	
13:10	31.40	500.00	2500.00	6.66	0.33	-63.90	48.68	81.85	16.30	Cloudy	No	
13:15	31.40	500.00	2500.00	6.61	0.23	-64.30	42.26	81.10	16.37	Cloudy	No	
13:20	31.40	500.00	2500.00	6.57	0.27	-57.80	57.54	80.57	16.31	Cloudy	No	
13:25	31.40	500.00	2500.00	6.63	0.24	-64.90	38.60	80.57	16.35	Cloudy	No	
13:30	31.40	500.00	2500.00	6.67	0.21	-66.80	35.22	80.29	16.30	Cloudy	No	
13:35	31.40	500.00	2500.00	6.62	0.17	-66.00	52.69	79.49	16.28	Cloudy	No	
13:40	31.40	500.00	2500.00	6.58	0.29	-61.10	52.47	79.34	16.28	Cloudy	No	
13:45	31.40	500.00	2500.00	6.6	0.24	-64.20	34.35	79.38	16.29	Cloudy	No	
13:50	31.40	500.00	2500.00	6.52	0.17	-59.70	47.03	78.61	16.27	Cloudy	No	
13:55	31.40	500.00	2500.00	6.46	0.22	-56.90	43.38	77.80	16.49	Cloudy	No	
14:00	31.40	500.00	2500.00	6.55	0.22	-61.10	47.62	78.06	16.28	Cloudy	No	

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: -- | Time: --

Field Filtered: Yes

Purge Start Time: 11:00

Total Volume Purged (mL): 90000

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--

Screen Interval:

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

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Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

44 - 54

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
--

WEATHER CONDITIONS	
Temperature (F):	46.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-09	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 50
Pump Loc: within screen
Method: Double valve pump Date: 01-07-2022 Time: 11:00

WATER VOLUME CALCULATION

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

Water Volume = --

Initial Depth to Water (ft.): -- 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			
14:05	31.40	500.00	2500.00	6.6	0.27	-64.00	32.00	77.81	16.18	Cloudy	No	
14:10	31.40	500.00	2500.00	6.6	0.21	-65.30	39.41	78.28	16.22	Cloudy	No	
14:15	31.40	500.00	2500.00	6.59	0.24	-65.40	41.45	78.46	16.34	Cloudy	No	
14:20	31.40	500.00	2500.00	6.61	0.21	-61.30	43.96	78.01	16.26	Cloudy	No	
14:25	31.40	500.00	2500.00	6.48	0.17	-60.40	38.47	77.40	16.30	Cloudy	No	Purged five well volumes, sampling.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: 01-07-2022 Time: 14:25
Field Filtered: Yes

Purge Start Time: 11:00
Total Volume Purged (mL): 102500

Field Parameters

STABILIZED PARAMETERS	
pH	--
Spec. Cond.(µS/cm)	--
Turbidity (NTU)	--
Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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)

Sample ID: CAP1Q22-PW-09-010722
DuplicateID: CAP1Q22-PW-09-010722-Z
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	46.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	.75 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 45
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-18-2022 Time: 13:11

WATER VOLUME CALCULATION

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

Water Volume = 0.395

Initial Depth to Water (ft.): 6.82 Depth to Well Bottom (ft.): 50.76

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			
13:35	--	220.00	1100.00	4.45	0.86	209.30	105.00	100.11	15.19	Cloudy	None	Unable to take depth to water due to well diameter
13:40	--	220.00	1100.00	4.46	0.28	190.00	64.90	97.73	15.60	Cloudy	None	
13:45	--	220.00	1100.00	4.43	0.19	176.00	39.19	98.20	15.61	Cloudy	None	
13:50	--	220.00	1100.00	4.43	0.15	165.30	23.99	98.42	15.72	Clear	None	
13:55	--	220.00	1100.00	4.42	0.11	155.20	9.27	98.76	15.85	Clear	None	
14:00	--	220.00	1100.00	4.41	0.11	148.20	8.31	98.88	15.92	Clear	None	
14:05	--	220.00	1100.00	4.4	0.11	142.20	6.92	99.08	15.87	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-18-2022 Time: 14:05
Field Filtered: No

Purge Start Time: 13:30
Total Volume Purged (mL): 7700

Field Parameters

STABILIZED PARAMETERS	
pH	4.40
Spec. Cond.(µS/cm)	99.08
Turbidity (NTU)	6.92
Temp.(°C)	15.87
DO (mg/L)	0.11
ORP (mV)	142.20

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)

Sample ID: CAP1Q22-PZ-22-011822
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE2	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	11:35	General Comments:	Start time delayed due to battery issues. Samples 16-22 were missed due to freezing conditions.

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-INTAKE2-17-012722	1/27/2022	11:06	6.60	11.22	227.40	22.75	126.70	7.99	Clear	None	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	1/26/2022 12:06	Multi Meter ID:	706751
ISCO End Date and Time:	1/27/2022 11:06	Old Outfall Bypass(Yes/No):	No

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

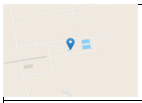
Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.8434702918844
Longitude:	-78.8353782538518

Table 3+(20)LL



GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-EFF	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	09:35	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				
CAP1Q22-SEEP-A-EFF-24-012722	01-27-2022 07:18		5.75	11.12	156.20	12.34	202.58	8.72	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:18	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 07:18	Old Outfall Bypass(Yes/No):	No

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+ (20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	39.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.845478053719
Longitude:	-78.8253932433113

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-EFF	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	13:33	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				
CAP1Q22-SEEP-B-EFF-24-012722	01-27-2022 07:24		6.49	4.90	156.30	0.00	85.16	10.03	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:24	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 07:24	Old Outfall Bypass(Yes/No):	No

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)

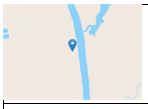
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.842181014437
Longitude:	-78.8249534268656



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-EFF	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	13:57	General Comments:	Isco ran without errors for 22 hours but did no collect final two samples

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q22-SEEP-C-EFF-22-012722	01-27-2022 05:36		6.58	8.69	115.50	187.21	93.04	11.39	Cloudy	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:36	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 05:36	Old Outfall Bypass(Yes/No):	No

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)

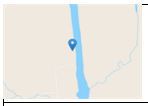
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	41.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8384409697194
Longitude:	-78.8240844030332



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-EFF	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	14:19	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				
CAP1Q22-SEEP-D-EFF-24-012722	01-27-2022 07:42		5.51	4.31	228.60	0.00	103.95	10.16	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:42	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 07:42	Old Outfall Bypass(Yes/No):	No

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)

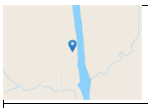
ALL PARAMETERS ANALYZED

Table 3+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	43.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.8372911901511
Longitude:	-78.8242545010635



GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: SMW-10 | Well Diameter: 2 Inches

Samplers: GREG GREYWALL|LUKE TART | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 45

Pump Loc: within screen

Method: Peristaltic Pump | Date: 01-07-2022 | Time: 10:15

WATER VOLUME CALCULATION

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

Water Volume = 3.616

Initial Depth to Water (ft.): 29.47 | Depth to Well Bottom (ft.): 52.07

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			
10:42	29.45	160.00	800.00	5.46	0.56	139.90	11.26	83.31	14.09	Clear	None	
10:47	29.45	160.00	800.00	5.43	0.26	133.20	10.97	81.41	13.78	Clear	None	
10:52	29.45	160.00	800.00	5.42	0.19	125.50	15.16	81.59	13.47	Clear	None	
10:57	29.45	160.00	800.00	5.39	0.13	122.40	14.54	81.11	13.91	Clear	None	
11:02	29.45	160.00	800.00	5.4	0.13	114.70	12.80	80.78	13.80	Clear	None	
11:07	29.45	160.00	800.00	5.33	0.13	106.60	11.51	80.94	14.29	Clear	None	
11:12	29.45	160.00	800.00	5.33	0.10	97.60	8.08	80.67	14.05	Clear	None	
11:17	29.45	160.00	800.00	5.4	0.10	91.40	7.84	80.91	14.43	Clear	None	
11:22	29.45	160.00	800.00	5.39	0.10	85.30	7.66	80.94	14.72	Clear	None	
11:27	29.45	160.00	800.00	5.39	0.10	77.90	6.68	79.98	14.01	Clear	None	
11:32	29.46	160.00	800.00	5.39	0.10	72.50	6.55	80.32	14.78	Clear	None	
11:37	29.45	160.00	800.00	5.39	0.10	65.00	5.31	80.26	14.87	Clear	None	
11:42	29.45	160.00	800.00	5.4	0.10	59.10	6.88	80.40	14.69	Clear	None	
11:47	29.45	160.00	800.00	5.39	0.10	54.60	3.79	80.30	15.14	Clear	None	
11:52	29.45	160.00	800.00	5.39	0.10	49.80	3.94	80.05	15.14	Clear	None	
11:57	29.45	160.00	800.00	5.4	0.10	46.20	4.21	79.73	15.36	Clear	None	
12:02	29.45	160.00	800.00	5.4	0.10	44.40	6.10	79.96	14.59	Clear	None	
12:07	29.45	160.00	800.00	5.39	0.10	39.20	3.71	79.52	14.98	Clear	None	
12:12	29.45	160.00	800.00	5.39	0.10	36.50	3.67	79.05	15.67	Clear	None	
12:17	29.45	160.00	800.00	5.39	0.10	35.30	11.03	80.69	14.81	Clear	None	
12:22	29.45	160.00	800.00	5.39	0.10	31.30	9.40	80.40	14.80	Clear	None	
12:27	29.45	160.00	800.00	5.38	0.10	26.80	9.93	80.41	14.51	Clear	None	
12:32	29.45	160.00	800.00	5.38	0.10	22.00	9.38	80.68	14.87	Clear	None	
12:37	29.45	160.00	800.00	5.38	0.10	22.50	11.35	80.40	14.80	Clear	None	
12:42	29.45	160.00	800.00	5.37	0.10	19.20	8.86	80.33	14.70	Clear	None	
12:47	29.45	160.00	800.00	5.38	0.10	17.00	13.68	80.45	14.74	Clear	None	
12:52	29.45	160.00	800.00	5.38	0.10	13.20	4.17	81.07	15.14	Clear	None	
12:57	29.45	160.00	800.00	5.38	0.10	11.00	7.56	81.16	15.40	Clear	None	
13:02	29.45	160.00	800.00	5.39	0.10	9.10	4.84	81.17	15.46	Clear	None	
13:07	29.45	160.00	800.00	5.39	0.10	7.00	5.35	81.20	15.00	Clear	None	
13:12	29.45	160.00	800.00	5.39	0.10	4.00	6.98	81.12	15.33	Clear	None	
13:17	29.45	160.00	800.00	5.38	0.10	3.40	7.00	81.14	15.40	Clear	None	
13:22	29.45	160.00	800.00	5.37	0.10	2.00	5.26	80.21	15.11	Clear	None	
13:27	29.45	160.00	800.00	5.38	0.10	-0.30	3.31	81.04	15.59	Clear	None	
13:32	29.45	160.00	800.00	5.38	0.10	-4.40	6.81	81.11	16.14	Clear	None	
13:37	29.45	160.00	800.00	5.39	0.10	-6.90	3.45	80.77	16.14	Clear	None	
13:42	29.45	160.00	800.00	5.39	0.10	-8.00	5.37	80.84	15.67	Clear	None	
13:47	29.45	160.00	800.00	5.39	0.10	-10.70	4.10	81.23	15.48	Clear	None	
13:52	29.45	160.00	800.00	5.39	0.10	-10.40	3.91	81.49	15.22	Clear	None	
13:57	29.45	160.00	800.00	5.38	0.10	-11.40	3.70	80.48	14.70	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 01-07-2022 | Time: 13:57

Field Filtered: No

Purge Start Time: 10:37

Total Volume Purged (mL): 32000

Field Parameters

STABILIZED PARAMETERS

SAMPLE SET

Parsons PLUS creating a safer world

pH	5.38
Spec. Cond.(µS/cm)	80.48
Turbidity (NTU)	3.70
Temp.(°C)	14.70
DO (mg/L)	0.10
ORP (mV)	-11.40

Screen Interval:

39 to 49

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:	CAP1Q22-SMW-10-010722
DuplicateID:	
QA/QC:	

ALL PARAMETERS ANALYZED
Table 3+(20)LL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21
Pump Loc: within screen
Method: Peristaltic Pump Date: 01-13-2022 Time: 12:40

WATER VOLUME CALCULATION

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

Water Volume = 1.933

Initial Depth to Water (ft.): 13.71 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			
13:05	13.78	250.00	1250.00	4.32	4.83	307.30	14.90	48.47	16.25	Clear	None	
13:10	13.78	250.00	1250.00	4.3	4.89	343.30	5.41	48.44	16.32	Clear	None	
13:15	13.78	250.00	1250.00	4.28	5.04	359.60	1.14	49.86	16.40	Clear	None	
13:20	13.78	250.00	1250.00	4.27	4.95	371.00	1.60	49.81	16.42	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-13-2022 Time: 13:20
Field Filtered: No

Purge Start Time: 13:00
Total Volume Purged (mL): 5000

Field Parameters

STABILIZED PARAMETERS	
pH	4.27
Spec. Cond.(µS/cm)	49.81
Turbidity (NTU)	1.60
Temp.(°C)	16.42
DO (mg/L)	4.95
ORP (mV)	371.00

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: CAP1Q22-SMW-11-011322
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

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

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	LUKE TART|VALERIA GOFIGAN-MCKENNA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 92
Pump Loc: within screen
Method: Double valve pump Date: 01-24-2022 Time: 13:00

WATER VOLUME CALCULATION

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

Water Volume = 2.891

Initial Depth to Water (ft.): 83.95 Depth to Well Bottom (ft.): 102.02

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			
14:15	84.00	300.00	1500.00	3.64	0.11	174.20	9.22	251.63	16.53	Clear	None	
14:20	84.00	300.00	1500.00	3.64	0.05	165.70	6.22	250.30	16.59	Clear	None	
14:25	84.00	300.00	1500.00	3.59	0.05	151.70	2.21	250.61	16.65	Clear	None	
14:30	84.00	300.00	1500.00	3.64	0.03	145.60	1.02	250.54	16.67	Clear	None	
14:35	84.00	300.00	1500.00	3.59	0.03	135.00	1.04	250.35	16.74	Clear	None	
14:40	84.00	300.00	1500.00	3.6	0.03	127.10	0.02	249.74	16.77	Clear	None	
14:45	84.00	300.00	1500.00	3.62	0.03	122.70	0.01	249.70	16.74	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 01-24-2022 Time: 14:45
Field Filtered: No

Purge Start Time: 14:10
Total Volume Purged (mL): 10500

Field Parameters

STABILIZED PARAMETERS	
pH	3.62
Spec. Cond.(µS/cm)	249.70
Turbidity (NTU)	0.01
Temp.(°C)	16.74
DO (mg/L)	0.03
ORP (mV)	122.70

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)

Sample ID: CAP1Q22-SMW-12-012422
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

Table 3+(20)HL Including HFPO-DA, 537 MOD (13PFCAs)

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	N/A
Water Clarity:	N/A
Water Color:	N/A
Water Odor:	N/A

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	JENNESSA PETERSON|LUKE TART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	01-26-2022	Time:	09:53	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				
CAP1Q22-WC-1-24-012722	01-27-2022 07:00		5.32	10.87	233.50	19.03	77.41	8.87	Clear	None	MS/REP/D	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2022 08:00	Multi Meter ID:	706751
ISCO End Date and Time:	01-27-2022 07:00	Old Outfall Bypass(Yes/No):	No

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+(20)LL Including HFPO-DA; 537 MOD (13 PFCAs)

WEATHER CONDITIONS

Temperature (F):	40.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude:	34.8509638329182
Longitude:	-78.8275593234693

GPS Location (if collected)

Sample location

PARSONS

Appendix D
Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 1Q22

Project Reviewer: Brandon Cordova

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1Q22-PW-09-010722	320-83801-1	Groundwater	N	01/07/2022	14:25	FS
CAP1Q22-PW-09-010722-Z	320-83801-2	Groundwater	Y	01/07/2022	14:25	FS
CAP1Q22-EQBLK-DV-010722	320-83801-3	Blank Water	N	01/07/2022	15:00	EB
CAP1Q22-EQBLK-PP-010722	320-83801-4	Blank Water	N	01/07/2022	15:05	EB
CAP1Q22-EQBLK-PP-010722-Z	320-83801-5	Blank Water	Y	01/07/2022	15:10	EB
CAP1Q22-SMW-10-010722	320-83801-6	Groundwater	N	01/07/2022	13:57	FS
CAP1Q22-PW-06-011322	320-84177-1	Groundwater	N	01/13/2022	14:20	FS
CAP1Q22-SMW-11-011322	320-84177-2	Groundwater	N	01/13/2022	13:20	FS
CAP1Q22-PIW-7S-011822	320-84177-3	Groundwater	N	01/18/2022	15:25	FS
CAP1Q22-PIW-7D-011822	320-84177-4	Groundwater	N	01/18/2022	16:15	FS
CAP1Q22-PZ-22-011822	320-84177-5	Groundwater	N	01/18/2022	14:05	FS
CAP1Q22-LTW-04-011822	320-84177-6	Groundwater	N	01/18/2022	15:15	FS
CAP1Q22-LTW-05-011822	320-84177-7	Groundwater	N	01/18/2022	16:40	FS
CAP1Q22-PIW-1D-012422	320-84292-1	Groundwater	N	01/24/2022	13:50	FS
CAP1Q22-PIW-3D-012522	320-84292-10	Groundwater	N	01/25/2022	14:10	FS
CAP1Q22-PIW-1D-012422-D	320-84292-2	Groundwater	N	01/24/2022	13:50	DUP
CAP1Q22-PIW-1S-012422	320-84292-3	Groundwater	N	01/24/2022	12:40	FS
CAP1Q22-SMW-12-012422	320-84292-4	Groundwater	N	01/24/2022	14:45	FS
CAP1Q22-PW-04-012522	320-84292-5	Groundwater	N	01/25/2022	11:30	FS
CAP1Q22-PW-04-012522-Z	320-84292-6	Groundwater	Y	01/25/2022	11:30	FS
CAP1Q22-LTW-01-012522	320-84292-7	Groundwater	N	01/25/2022	15:45	FS
CAP1Q22-LTW-02-012522	320-84292-8	Groundwater	N	01/25/2022	15:45	FS
CAP1Q22-LTW-03-012522	320-84292-9	Groundwater	N	01/25/2022	13:30	FS
CAP1Q22-PW-07-012722	320-84488-1	Groundwater	N	01/27/2022	12:25	FS
CAP1Q22-PW-07-012722-Z	320-84488-2	Groundwater	Y	01/27/2022	12:25	FS

* FS=Field Sample
  DUP=Field Duplicate
  FB=Field Blank
  EB=Equipment Blank
  TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 1Q22

ADQM Data Review Checklist

Item	Description	Yes	No*	Not Applicable (NA)*	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		
F	Were detections in field/equipment/trip blanks 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, and/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 1Q22 **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
CAP1Q22-PW-09-010722	01/07/2022	320-83801-1	NVHOS, Acid Form	0.071	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PW-09-010722	01/07/2022	320-83801-1	NVHOS, Acid Form	0.052	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-LTW-01-012522	01/25/2022	320-84292-7	R-PSDA	0.68	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-01-012522	01/25/2022	320-84292-7	Hydrolyzed PSDA	0.48	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-01-012522	01/25/2022	320-84292-7	R-EVE	0.46	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-02-012522	01/25/2022	320-84292-8	R-PSDA	0.31	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-02-012522	01/25/2022	320-84292-8	Hydrolyzed PSDA	0.69	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-02-012522	01/25/2022	320-84292-8	R-EVE	0.22	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-03-012522	01/25/2022	320-84292-9	R-PSDA	0.57	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-03-012522	01/25/2022	320-84292-9	Hydrolyzed PSDA	3.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-03-012522	01/25/2022	320-84292-9	R-EVE	0.32	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-04-011822	01/18/2022	320-84177-6	R-PSDA	2.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-04-011822	01/18/2022	320-84177-6	Hydrolyzed PSDA	4.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-04-011822	01/18/2022	320-84177-6	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-05-011822	01/18/2022	320-84177-7	R-PSDA	0.43	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-05-011822	01/18/2022	320-84177-7	Hydrolyzed PSDA	0.78	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LTW-05-011822	01/18/2022	320-84177-7	R-EVE	0.45	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1D-012422	01/24/2022	320-84292-1	R-PSDA	0.27	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-PIW-1D-012422	01/24/2022	320-84292-1	R-PSDA	0.27	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1D-012422	01/24/2022	320-84292-1	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1D-012422	01/24/2022	320-84292-1	R-EVE	0.17	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1D-012422-D	01/24/2022	320-84292-2	R-PSDA	0.24	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1D-012422-D	01/24/2022	320-84292-2	R-EVE	0.17	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1S-012422	01/24/2022	320-84292-3	R-PSDA	0.49	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-1S-012422	01/24/2022	320-84292-3	R-EVE	0.34	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-3D-012522	01/25/2022	320-84292-10	R-PSDA	0.32	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-3D-012522	01/25/2022	320-84292-10	R-EVE	0.17	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7D-011822	01/18/2022	320-84177-4	R-PSDA	0.57	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7D-011822	01/18/2022	320-84177-4	Hydrolyzed PSDA	1.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7D-011822	01/18/2022	320-84177-4	R-EVE	0.68	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7S-011822	01/18/2022	320-84177-3	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7S-011822	01/18/2022	320-84177-3	Hydrolyzed PSDA	0.081	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PIW-7S-011822	01/18/2022	320-84177-3	R-EVE	0.80	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PW-06-011322	01/13/2022	320-84177-1	Hydrolyzed PSDA	0.048	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PZ-22-011822	01/18/2022	320-84177-5	R-PSDA	0.38	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method SOP	Pre-prep	Prep
CAP1Q22-PZ-22-011822	01/18/2022	320-84177-5	Hydrolyzed PSDA	0.70	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-PZ-22-011822	01/18/2022	320-84177-5	R-EVE	0.31	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SMW-11-011322	01/13/2022	320-84177-2	R-PSDA	0.16	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SMW-11-011322	01/13/2022	320-84177-2	Hydrolyzed PSDA	0.072	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SMW-11-011322	01/13/2022	320-84177-2	R-EVE	0.096	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 1Q22

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample
CAP1Q22-LOCK-DAM-SEEP-012622	320-84289-1	Surface Water	N	01/26/2022	12:25	FS
CAP1Q22-GBC-1-012622	320-84289-2	Surface Water	N	01/26/2022	14:45	FS
CAP1Q22-CFR-RM-76-012622	320-84289-3	Surface Water	N	01/26/2022	09:30	FS
CAP1Q22-CFR-BLADEN-012622	320-84289-4	Surface Water	N	01/26/2022	16:10	FS
CAP1Q22-CFR-TARHEEL-012622	320-84289-5	Surface Water	N	01/26/2022	16:40	FS
RIVER-WATER-INTAKE2-17-012722	320-84289-6	Surface Water	N	01/27/2022	11:06	FS
CAP1Q22-SEEP-A-EFF-24-012722	320-84289-7	Other liquid	N	01/27/2022	07:18	FS
CAP1Q22-SEEP-B-EFF-24-012722	320-84289-8	Other liquid	N	01/27/2022	07:24	FS
CAP1Q22-WC-1-24-012722	320-84291-1	Surface Water	N	01/27/2022	07:00	FS
CAP1Q22-WC-1-24-012722-D	320-84291-2	Surface Water	N	01/27/2022	07:00	DUP
CAP1Q22-SEEP-C-EFF-22-012722	320-84291-3	Other liquid	N	01/27/2022	05:36	FS
CAP1Q22-SEEP-D-EFF-24-012722	320-84291-4	Other liquid	N	01/27/2022	07:42	FS
CAP1Q22-OUTFALL-002-21-012722	320-84291-5	Surface Water	N	01/27/2022	04:30	FS
CAP1Q22-OLDOF-1-19-012722	320-84291-6	Surface Water	N	01/27/2022	02:54	FS
CAP1Q22-CFR-TARHEEL-24-012722	320-84295-1	Surface Water	N	01/27/2022	11:54	FS
CAP1Q22-EQBLK-IS-012722	320-84295-2	Blank Water	N	01/27/2022	12:00	EB
CAP1Q22-EQBLK-PP-012722	320-84295-3	Blank Water	N	01/27/2022	12:05	EB
CAP1Q22-FBLK-012722	320-84295-4	Blank Water	N	01/27/2022	12:10	FB
CAP1Q22-CFR-KINGS-012822	320-84490-1	Surface Water	N	01/28/2022	12:00	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 1Q22
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 1Q22

ADQM Data Review Checklist

Item	Description	Yes	No*	Not Applicable (NA)*	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	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 detections in field/equipment/trip blanks 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, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are 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 are 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:

Laboratory Qualifier is the qualifier assigned by the laboratory 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 laboratory qualifiers. As they are laboratory 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 laboratory 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 have 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 1Q22 **Validation Options:** LABSTATS

Validation Reason Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Nondetects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-SEEP-C-EFF-22-012722	01/27/2022	320-84291-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1Q22-SEEP-C-EFF-22-012722	01/27/2022	320-84291-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Perfluoroheptanoic Acid	0.094	UG/L	PQL		0.094	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Perfluoroheptanoic Acid	0.094	UG/L	PQL		0.094	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Perfluoroheptanoic Acid	0.094	UG/L	PQL		0.094	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason The result exceeds the calibration range of the instrument and should be considered estimated.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO2HxA	15	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO3OA	4.5	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO4DA	2.6	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFMOAA	46	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hydrolyzed PSDA	23	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PEPA	3.9	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PMPA	11	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hfpo Dimer Acid	16	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO2HxA	16	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO3OA	5.1	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFMOAA	49	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PMPA	5.8	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hfpo Dimer Acid	8.1	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	R-PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-SEEP-B-EFF-24-012722	01/27/2022	320-84289-8	Hydrolyzed PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-C-EFF-22-012722	01/27/2022	320-84291-3	R-PSDA	0.035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-C-EFF-22-012722	01/27/2022	320-84291-3	Hydrolyzed PSDA	0.028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-C-EFF-22-012722	01/27/2022	320-84291-3	R-EVE	0.027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	R-PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	Hydrolyzed PSDA	0.10	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	Hydrolyzed PSDA	0.11	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	R-EVE	0.0096	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722	01/27/2022	320-84291-1	R-EVE	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722-D	01/27/2022	320-84291-2	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722-D	01/27/2022	320-84291-2	Hydrolyzed PSDA	0.096	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-WC-1-24-012722-D	01/27/2022	320-84291-2	R-EVE	0.0089	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-17-012722	01/27/2022	320-84289-6	Hydrolyzed PSDA	0.0057	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	R-PSDA	1.9	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	R-EVE	0.81	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-EVE	0.17	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-EVE	0.25	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-OLDOF-1-19-012722	01/27/2022	320-84291-6	R-PSDA	0.0056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-OLDOF-1-19-012722	01/27/2022	320-84291-6	Hydrolyzed PSDA	0.0088	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-OLDOF-1-19-012722	01/27/2022	320-84291-6	R-EVE	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-OUTFALL-002-21-012722	01/27/2022	320-84291-5	R-PSDA	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-OUTFALL-002-21-012722	01/27/2022	320-84291-5	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-PSDA	0.57	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-PSDA	0.57	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydrolyzed PSDA	0.76	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydrolyzed PSDA	0.63	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-CFR-BLADEN-012622	01/26/2022	320-84289-4	Hydrolyzed PSDA	0.0035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-CFR-TARHEEL-012622	01/26/2022	320-84289-5	Hydrolyzed PSDA	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-CFR-TARHEEL-24-012722	01/27/2022	320-84295-1	Hydrolyzed PSDA	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-GBC-1-012622	01/26/2022	320-84289-2	R-PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-GBC-1-012622	01/26/2022	320-84289-2	R-EVE	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO2HxA	34	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO3OA	11	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO4DA	6.2	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFO5DA	3.3	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PFMOAA	62	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	EVE Acid	0.35	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hydro-PS Acid	1.2	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hydro-EVE Acid	1.4	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	NVHOS, Acid Form	1.0	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	R-PSDA	1.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hydrolyzed PSDA	19	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	R-PSDCA	0.040	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	R-EVE	0.80	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PEPA	5.2	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PS Acid	2.8	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	PMPA	14	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-SEEP-A-EFF-24-012722	01/27/2022	320-84289-7	Hfpo Dimer Acid	19	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-EVE	0.26	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PEPA	2.3	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PEPA	2.3	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hfpo Dimer Acid (trial)	8.4	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydro-PS Acid	0.13	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydro-PS Acid	0.14	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydro-EVE Acid	0.12	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydro-EVE Acid	0.11	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	NVHOS, Acid Form	1.1	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	NVHOS, Acid Form	1.1	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO2HxA	24	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO2HxA	24	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO3OA	10	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO3OA	9.8	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO4DA	1.7	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO4DA	1.6	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO5DA	0.088	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q22 **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
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFO5DA	0.088	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFMOAA	77	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PFMOAA	76	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	R-PSDA	0.57	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hydrolyzed PSDA	0.71	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PMPA	6.6	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	PMPA	6.5	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q22-LOCK-DAM-SEEP-012622	01/26/2022	320-84289-1	Hfpo Dimer Acid	8.3	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 1Q22

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-010222	320-83755-1	Surface Water	N	01/02/2022	23:01	FS
CFR-TARHEEL-24-010322	320-83755-2	Surface Water	N	01/03/2022	23:01	FS
CFR-TARHEEL-24-011122	320-83911-1	Surface Water	N	01/11/2022	23:01	FS
CFR-TARHEEL-24-011322	320-83911-2	Surface Water	N	01/13/2022	23:01	FS
CFR-TARHEEL-24-011922	320-84220-1	Surface Water	N	01/19/2022	23:01	FS
CFR-TARHEEL-24-011922-D	320-84220-2	Surface Water	N	01/19/2022	23:01	DUP
CFR-TARHEEL-15-012022	320-84220-3	Surface Water	N	01/20/2022	14:01	FS
CFR-TARHEEL-24-012522	320-84487-1	Surface Water	N	01/25/2022	23:01	FS
CFR-TARHEEL-24-012822	320-84487-2	Surface Water	N	01/28/2022	23:01	FS
CFR-TARHEEL-24-013122	320-84700-1	Surface Water	N	01/31/2022	23:01	FS
CFR-TARHEEL-24-020322	320-84700-2	Surface Water	N	02/03/2022	23:01	FS
CFR-TARHEEL-24-020722	320-84700-3	Surface Water	N	02/07/2022	23:01	FS
CFR-TARHEEL-24-020722-D	320-84700-4	Surface Water	N	02/07/2022	23:01	DUP
CFR-TARHEEL-24-021122	320-85103-1	Surface Water	N	02/11/2022	23:01	FS
CFR-TARHEEL-24-021422	320-85103-2	Surface Water	N	02/14/2022	23:01	FS
CFR-TARHEEL-24-021822	320-85290-1	Surface Water	N	02/18/2022	23:01	FS
CFR-TARHEEL-24-022722	320-85290-2	Surface Water	N	02/27/2022	23:01	FS

CFR-TARHEEL-24-022622	320-85290-3	Surface Water	N	02/26/2022	23:01	FS
CFR-TARHEEL-24-022822	320-85290-4	Surface Water	N	02/28/2022	23:01	FS
CFR-TARHEEL-24-030322	320-85714-1	Surface Water	N	03/03/2022	23:01	FS
CFR-TARHEEL-24-030722	320-85714-2	Surface Water	N	03/07/2022	23:01	FS
CFR-TARHEEL-24-031022	320-85714-3	Surface Water	N	03/10/2022	23:01	FS
CFR-TARHEEL-24-031022-D	320-85714-4	Surface Water	N	03/10/2022	23:01	DUP
CFR-TARHEEL-031722	320-85968-1	Surface Water	N	03/17/2022	12:30	FS
CFR-TARHEEL-031822	320-85968-2	Surface Water	N	03/18/2022	09:00	FS
CFR-TARHEEL-EB-031822	320-85968-3	Blank Water	N	03/18/2022	11:00	EB
CFR-TARHEEL-24-032322	320-86394-1	Surface Water	N	03/23/2022	08:10	FS
CFR-TARHEEL-032422	320-86394-2	Surface Water	N	03/24/2022	13:05	FS
CFR-TARHEEL-24-032922	320-86394-3	Surface Water	N	03/29/2022	23:01	FS
CFR-TARHEEL-24-033122	320-86394-4	Surface Water	N	03/31/2022	23:01	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

Analytical Protocol

Laboratory[1]	Method	Parameters	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)[2]	Tarheel Sampling

[1] This laboratory name, previously Eurofins TestAmerica Sacramento, changed to Eurofins Environmental Testing Northern California, effective January 1, 2022.

[2] A list of 21 compounds including 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		
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:** 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-24-021822	02/18/2022	320-85290-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PEPA	0.020	UG/L	PQL		0.020	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-24-021822	02/18/2022	320-85290-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PS Acid	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 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-24-031022	03/10/2022	320-85714-3	Hydrolyzed PSDA	0.0035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	Hydrolyzed PSDA	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011122	01/11/2022	320-83911-1	R-PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011122	01/11/2022	320-83911-1	R-PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011122	01/11/2022	320-83911-1	Hydrolyzed PSDA	0.0033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011122	01/11/2022	320-83911-1	Hydrolyzed PSDA	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011922	01/19/2022	320-84220-1	R-PSDA	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011922	01/19/2022	320-84220-1	R-PSDA	0.0035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011922	01/19/2022	320-84220-1	Hydrolyzed PSDA	0.0026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011922	01/19/2022	320-84220-1	Hydrolyzed PSDA	0.0026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020722	02/07/2022	320-84700-3	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020722	02/07/2022	320-84700-3	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Tarheel Sampling **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
CFR-TARHEEL-24-021122	02/11/2022	320-85103-1	PFMOAA	0.0055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Tarheel Sampling **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-030322	03/03/2022	320-85714-1	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030322	03/03/2022	320-85714-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030322	03/03/2022	320-85714-1	R-EVE	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030722	03/07/2022	320-85714-2	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030722	03/07/2022	320-85714-2	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030722	03/07/2022	320-85714-2	R-EVE	0.0048	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	R-PSDA	0.0098	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	R-PSDA	0.0098	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	R-EVE	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	R-EVE	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022-D	03/10/2022	320-85714-4	R-PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022-D	03/10/2022	320-85714-4	Hydrolyzed PSDA	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022-D	03/10/2022	320-85714-4	R-EVE	0.0055	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010222	01/02/2022	320-83755-1	Hydrolyzed PSDA	0.0033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010322	01/03/2022	320-83755-2	R-PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010322	01/03/2022	320-83755-2	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Tarheel Sampling **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-011322	01/13/2022	320-83911-2	R-PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011322	01/13/2022	320-83911-2	Hydrolyzed PSDA	0.0022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-15-012022	01/20/2022	320-84220-3	R-PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-011922-D	01/19/2022	320-84220-2	R-PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-013122	01/31/2022	320-84700-1	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020322	02/03/2022	320-84700-2	Hydrolyzed PSDA	0.0038	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020722-D	02/07/2022	320-84700-4	R-PSDA	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020722-D	02/07/2022	320-84700-4	Hydrolyzed PSDA	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021422	02/14/2022	320-85103-2	Hydrolyzed PSDA	0.0023	UG/L	PQL		0.0020	J	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 but above the rejection 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-24-021822	02/18/2022	320-85290-1	PFO2HxA	0.0056	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021822	02/18/2022	320-85290-1	PFO2HxA	0.0055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	PFMOAA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031022	03/10/2022	320-85714-3	PFMOAA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021122	02/11/2022	320-85103-1	PFMOAA	0.0055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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 eight 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 Plan[1] (Geosyntec, 2019).

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, 2019):

$$h = \frac{A}{l}$$

where,

h = the Black Creek Aquifer thickness [ft];

A = the cross-sectional area of the Black Creek Aquifer [ft^2]; and

l = 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).

3. 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 = the hydraulic gradient [ft/ft];

Δh = the head difference between two contour lines [ft]; and

d = 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 10-foot elevation difference (between the 40 and 50 ft contours) and a 20-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 10 feet), these wells respond to river level fluctuation in a subdued manner.

4. 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 Tables A5-1 and A5-2 in Appendix A of this report. Due to the length of Segment 8, total PFAS concentrations for Segment 8 are based on the

average concentrations for two wells in the Black Creek Aquifer along the segment to better represent the length. The two wells included in the average are PW-11 and PIW-10DR. PW-11 was inaccessible during August 2021 through January 2022. PFAS analytical results obtained for Segment 8 during the July 2021 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 = the mass flux [mg/sec];

l = the segment length [ft];

h = the Black Creek Aquifer thickness [ft];

K = the hydraulic conductivity of the aquifer [ft/sec];

i = the hydraulic gradient [ft/ft], using an upper and lower contour elevation difference;

C = the total PFAS concentration [ng/L]; and

f = the conversion factor between cubic feet and liters and between ng and mg.

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 eight segments. Parameters listed above were also used to estimate groundwater flow rates, shown in Tables E2-1 through E2-3.

Potential Future Methodology Modifications

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
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Attachment C[4]		
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)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	1/24/2022	1,150	13,400	11.7	10	221.0	20	489.3	0.045	0.041	1.71E-04	35,000	0.1024	0.0925
2	PIW-3D	1/25/2022	873	11,010	12.6	10	406.4	20	684.0	0.025	0.029	1.71E-04	37,000	0.0484	0.0575
3	LTW-02	1/25/2022	875	5,560	6.4	10	579.5	20	939.7	0.017	0.021	1.02E-04	49,000	0.0135	0.0167
4	LTW-03	1/25/2022	729	2,800	3.9	10	657.4	20	973.1	0.015	0.021	1.02E-04	160,000	0.0198	0.0268
5	PZ-22	1/18/2022	656	15,200	23.2	10	879.1	20	1,185.3	0.011	0.017	3.28E-04	180,000	0.2899	0.4300
6	PIW-7D	1/18/2022	524	16,000	30.5	10	842.3	20	1,123.8	0.012	0.018	3.28E-04	180,000	0.3168	0.4750
7	LTW-05	1/18/2022	887	17,200	19.4	10	819.8	20	1,095.3	0.012	0.018	1.28E-04	170,000	0.1294	0.1937
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	156.9	20	322.8	0.064	0.062	2.59E-04	235,000	6.1877	6.0166
													Total	**7.11**	**7.31**

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 2022 synoptic well gauging round (Figure E3).

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 Perfluorohepthanoic 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 A5-1.

7 - Due to the length of Segment 8, PFAS concentrations reported for Segment 8 are based on the average concentrations for 2 wells in the Black Creek Aquifer along the segment to better represent the length. PW-11 was not sampled during the January 2022 monitoring event; it was inaccessible since it is part of the Interim Black Creek Aquifer pumping program. PFAS analytical results reported in this table for Segment 8 are from the July 2021 monitoring event.

ft - feet

ft/sec - feet per second

ft^2 - square feet

mg/sec - milligrams per second

ng/L - nanograms per liter

TABLE E1
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (17 Compounds)[5]		
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)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	1/24/2022	1,150	13,400	11.7	10	221.0	20	489.3	0.045	0.041	1.71E-04	35,000	0.1024	0.0925
2	PIW-3D	1/25/2022	873	11,010	12.6	10	406.4	20	684.0	0.025	0.029	1.71E-04	37,000	0.0484	0.0575
3	LTW-02	1/25/2022	875	5,560	6.4	10	579.5	20	939.7	0.017	0.021	1.02E-04	49,000	0.0135	0.0167
4	LTW-03	1/25/2022	729	2,800	3.9	10	657.4	20	973.1	0.015	0.021	1.02E-04	160,000	0.0198	0.0268
5	PZ-22	1/18/2022	656	15,200	23.2	10	879.1	20	1,185.3	0.011	0.017	3.28E-04	180,000	0.2899	0.4300
6	PIW-7D	1/18/2022	524	16,000	30.5	10	842.3	20	1,123.8	0.012	0.018	3.28E-04	180,000	0.3168	0.4750
7	LTW-05	1/18/2022	887	17,200	19.4	10	819.8	20	1,095.3	0.012	0.018	1.28E-04	170,000	0.1294	0.1937
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	156.9	20	322.8	0.064	0.062	2.59E-04	235,500	6.2009	6.0294
													Total	**7.12**	**7.32**

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 2022 synoptic well gauging round (Figure E3).
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 Perfluorohepthanoic 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 A5-1.
7 - Due to the length of Segment 8, PFAS concentrations reported for Segment 8 are based on the average concentrations for 2 wells in the Black Creek Aquifer along the segment to better represent the length. PW-11 was not sampled during the January 2022 monitoring event; it was inaccessible since it is part of the Interim Black Creek Aquifer pumping program. PFAS analytical results reported in this table for Segment 8 are from the July 2021 monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE E1
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (20 Compounds)		
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)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	1/24/2022	1,150	13,400	11.7	10	221.0	20	489.3	0.045	0.041	1.71E-04	36,000	0.1053	0.0951
2	PIW-3D	1/25/2022	873	11,010	12.6	10	406.4	20	684.0	0.025	0.029	1.71E-04	38,000	0.0497	0.0591
3	LTW-02	1/25/2022	875	5,560	6.4	10	579.5	20	939.7	0.017	0.021	1.02E-04	50,000	0.0138	0.0170
4	LTW-03	1/25/2022	729	2,800	3.9	10	657.4	20	973.1	0.015	0.021	1.02E-04	160,000	0.0198	0.0268
5	PZ-22	1/18/2022	656	15,200	23.2	10	879.1	20	1,185.3	0.011	0.017	3.28E-04	190,000	0.3060	0.4539
6	PIW-7D	1/18/2022	524	16,000	30.5	10	842.3	20	1,123.8	0.012	0.018	3.28E-04	180,000	0.3168	0.4750
7	LTW-05	1/18/2022	887	17,200	19.4	10	819.8	20	1,095.3	0.012	0.018	1.28E-04	170,000	0.1294	0.1937
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	156.9	20	322.8	0.064	0.062	2.59E-04	249,000	6.5563	6.3751
													Total	**7.50**	**7.70**

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 2022 synoptic well gauging round (Figure E3).
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 Perfluorohepthanoic 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 A5-1.
7 - Due to the length of Segment 8, PFAS concentrations reported for Segment 8 are based on the average concentrations for 2 wells in the Black Creek Aquifer along the segment to better represent the length. PW-11 was not sampled during the January 2022 monitoring event; it was inaccessible since it is part of the Interim Black Creek Aquifer pumping program. PFAS analytical results reported in this table for Segment 8 are from the July 2021 monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE E2
JANUARY 2022 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	13,400	0.045	0.041	1.71E-04	1.03E-01	9.33E-02	66,769	60,304
2	11,010	0.025	0.029	1.71E-04	4.62E-02	5.49E-02	29,873	35,499
3	5,560	0.017	0.021	1.02E-04	9.76E-03	1.20E-02	6,307	7,779
4	2,800	0.015	0.021	1.02E-04	4.38E-03	5.92E-03	2,830	3,825
5	15,200	0.011	0.017	3.28E-04	5.69E-02	8.44E-02	36,762	54,529
6	16,000	0.012	0.018	3.28E-04	6.22E-02	9.32E-02	40,177	60,229
7	17,200	0.012	0.018	1.28E-04	2.69E-02	4.02E-02	17,371	26,004
8	56,300	0.064	0.062	2.59E-04	9.30E-01	9.04E-01	600,984	584,369
					1.239	**1.288**	**801,074**	**832,537**

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

ft^2 - square feet

ft/sec - feet per second

ft^3/sec - cubic feet per second

gal/day - gallons per day

TABLE E3
PASSIVE FLUX METER RESULTS
Chemours Fayetteville Works, North Carolina

				Flux (µg/m²/day)			Average Flux (µg/m²/day)			Mass Loading (mg/sec)		
Segment	**Well**	**Segment Length (ft)**	**Average Thickness of Black Creek Aquifer (ft)**	**Attachment C[1]**	**Total Table 3+ (17 compounds)[2]**	**Total Table 3+ (20 compounds)**	**Attachment C[1]**	**Total Table 3+ (17 compounds)[2]**	**Total Table 3+ (20 compounds)**	**Attachment C[1]**	**Total Table 3+ (17 compounds)[2]**	**Total Table 3+ (20 compounds)**
1	PIW-1D	1,150	11.7	7,262	7,413	7,182	5,380	5,527	5,302	0.078	0.080	0.076
	PIW-15			3,497	3,640	3,422						
2	PIW-3D	873	12.6	9,306	9,477	9,212	4,794	4,879	4,747	0.057	0.058	0.056
	PIW-2D			282	282	282						
3	PIW-4D	875	11.7	1.2	1.4	1.2	14,075	14,469	13,804	0.154	0.159	0.151
	PW-10R			28,149	28,938	27,606						
4	PIW-6S	729	3.9	11,456	11,851	11,218	11,456	11,851	11,218	0.035	0.036	0.034
5	--[3]	656	23.2	12,241	12,761	11,940	12,241	12,761	11,940	0.201	0.209	0.196
6	PIW-7D	524	30.5	13,026	13,670	12,663	13,026	13,670	12,663	0.224	0.235	0.217
7	PIW-8D	887	19.4	46,022	46,995	45,054	25,678	26,233	25,127	0.475	0.486	0.465
	PIW-9D			5,334	5,471	5,199						
8	PW-11	1,990	28.3	12,506	12,886	12,274	9,026	9,280	8,849	0.548	0.563	0.537
	PIW-10DR			5,547	5,675	5,423						

Notes

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

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

3 - No PFMs were installed in segment 5. Mass loading for this segment was calculated using the cross sectional area of segment 5 and the average PFM flux results from segments 4 and 6.

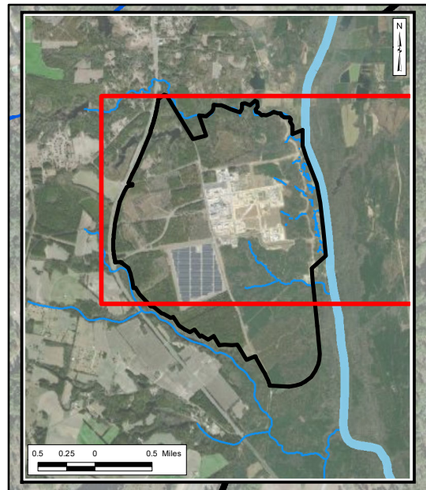
BCA - Black Creek Aquifer

PFM - passive flux meter

mg/sec - milligrams per second

m^2 - square meters

µg/m^2/day - micrograms per square meter per day



Willis Creek

PIW-1S
PIW-1D
EW-1
PIW-3D
Seep A
EW-4
Seep B
PZ-22
EW-5
PIW-7D
PIW-7S
EW-2
Seep C
Seep D
EW-3
PW-11
Old Outfall 002

Segment 1
Segment 2
LTW-02
Segment 3
LTW-03
Segment 4
Segment 5
Segment 6
LTW-05
Segment 7
Segment 8

Cape Fear River

N

Legend

- Floodplain Deposits
- Black Creek Aquifer
- Extraction Well
- Observed Seep
- Nearby Tributary
- Site Boundary
- Transect Line

Notes:

1. Due to the scale of the map, pairs of wells that are in close proximity have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
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.
3. Constant rate tests conducted at extraction wells were used to calculate hydraulic conductivity for nearby segments as shown in Table E1 and described in the Appendix E.
4. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Black Creek Aquifer Segments for Groundwater Pathway

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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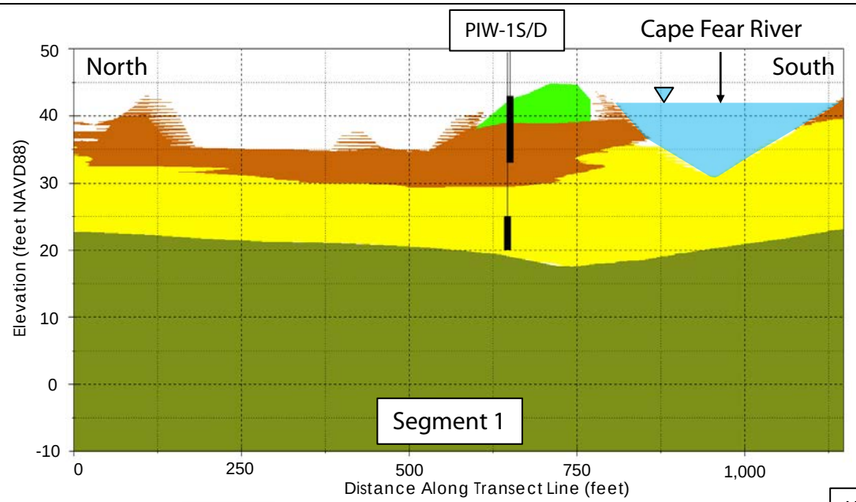
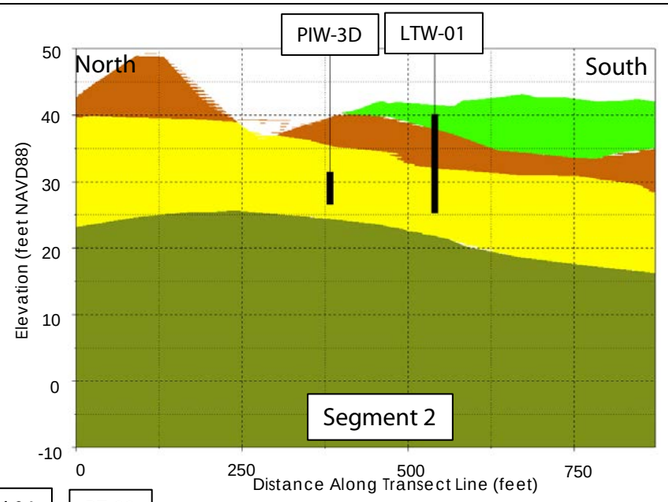
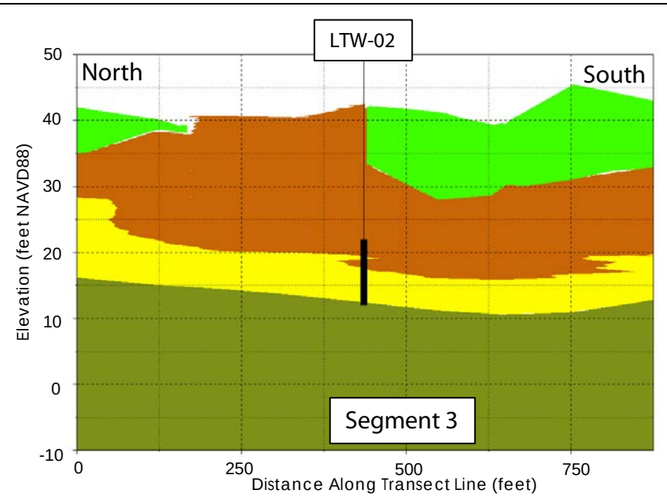
Figure **E1**

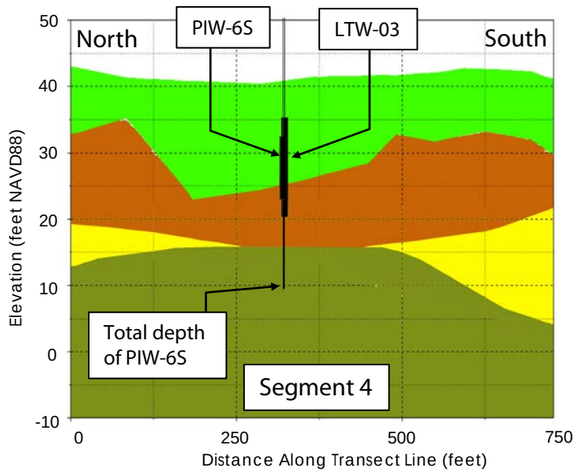
Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Black CreekAquiferSegmentsforGroundwaterPathway.mxd Last Revised: 4/27/2022 Author: Tlp

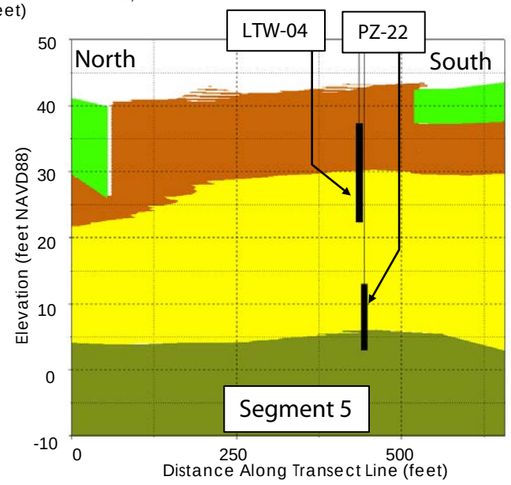
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

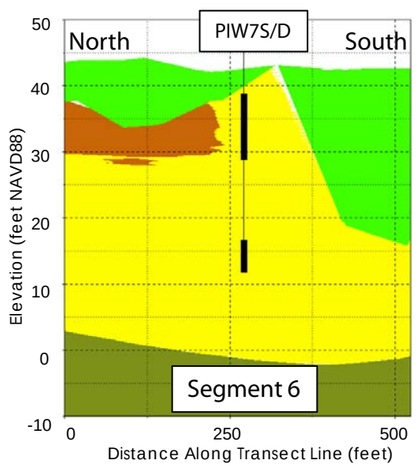


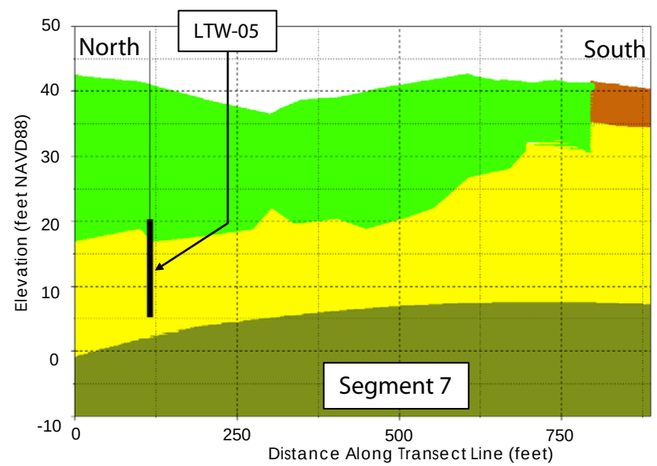


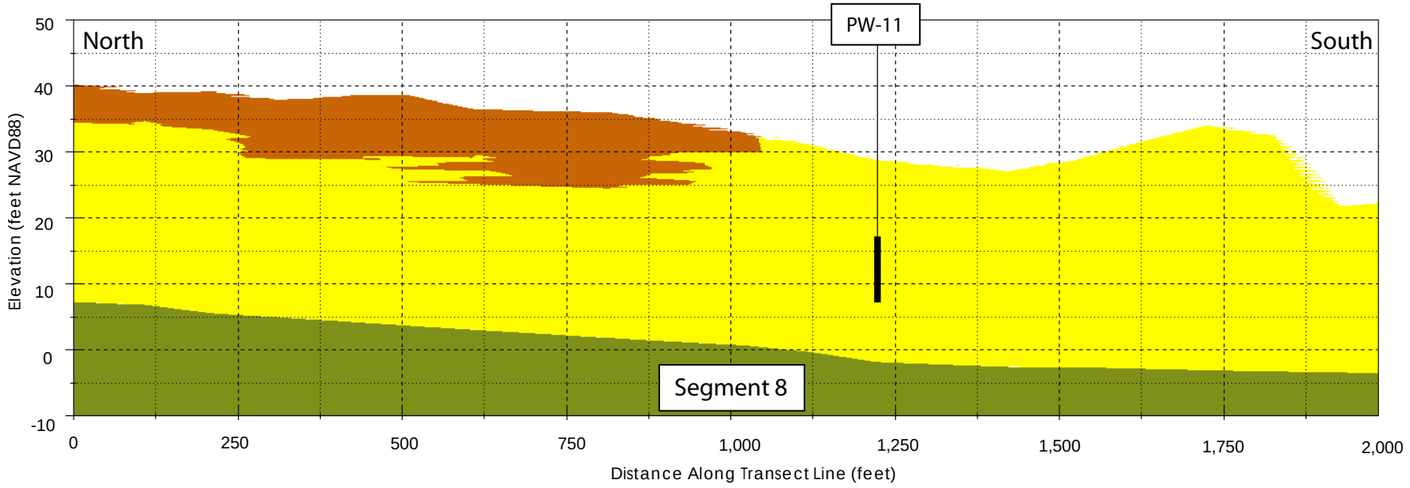


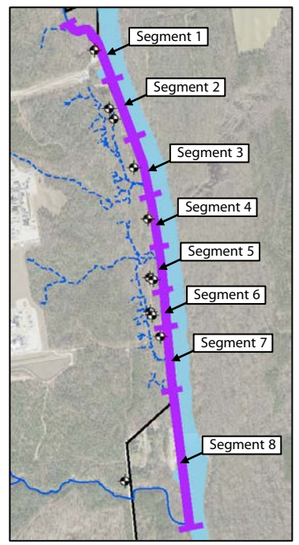












Legend

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

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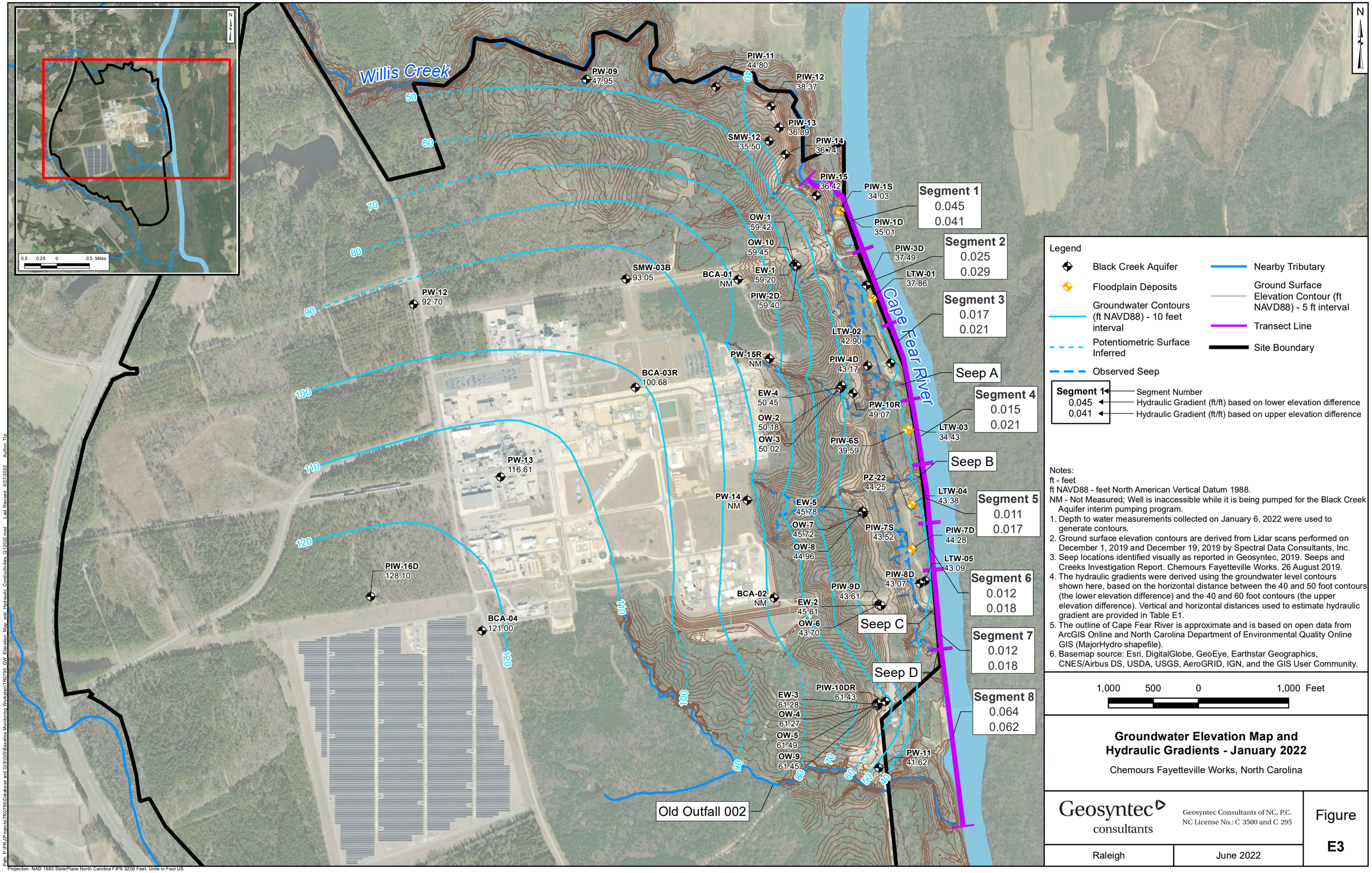
Figure **E2**



Legend

- Black Creek Aquifer
- Floodplain Deposits
- Groundwater Contours (ft NAVD88) - 10 feet interval
- Potentiometric Surface Inferred
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Transect Line
- Site Boundary

Segment 1 — Segment Number
0.045 — Hydraulic Gradient (ft/ft) based on lower elevation difference
0.041 — Hydraulic Gradient (ft/ft) based on upper elevation difference

Notes:
ft - feet
ft NAVD88 - feet North American Vertical Datum 1988.
NM - Not Measured; Well is inaccessible while it is being pumped for the Black Creek Aquifer interim pumping program.
1. Depth to water measurements collected on January 6, 2022 were used to generate contours.
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 hydraulic gradients were derived using the groundwater level contours shown here, based on the horizontal distance between the 40 and 50 foot contours (the lower elevation difference) and the 40 and 60 foot contours (the upper elevation difference). Vertical and horizontal distances used to estimate hydraulic gradient are provided in Table E1.
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 (MajorHydro shapefile).
6. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map and Hydraulic Gradients - January 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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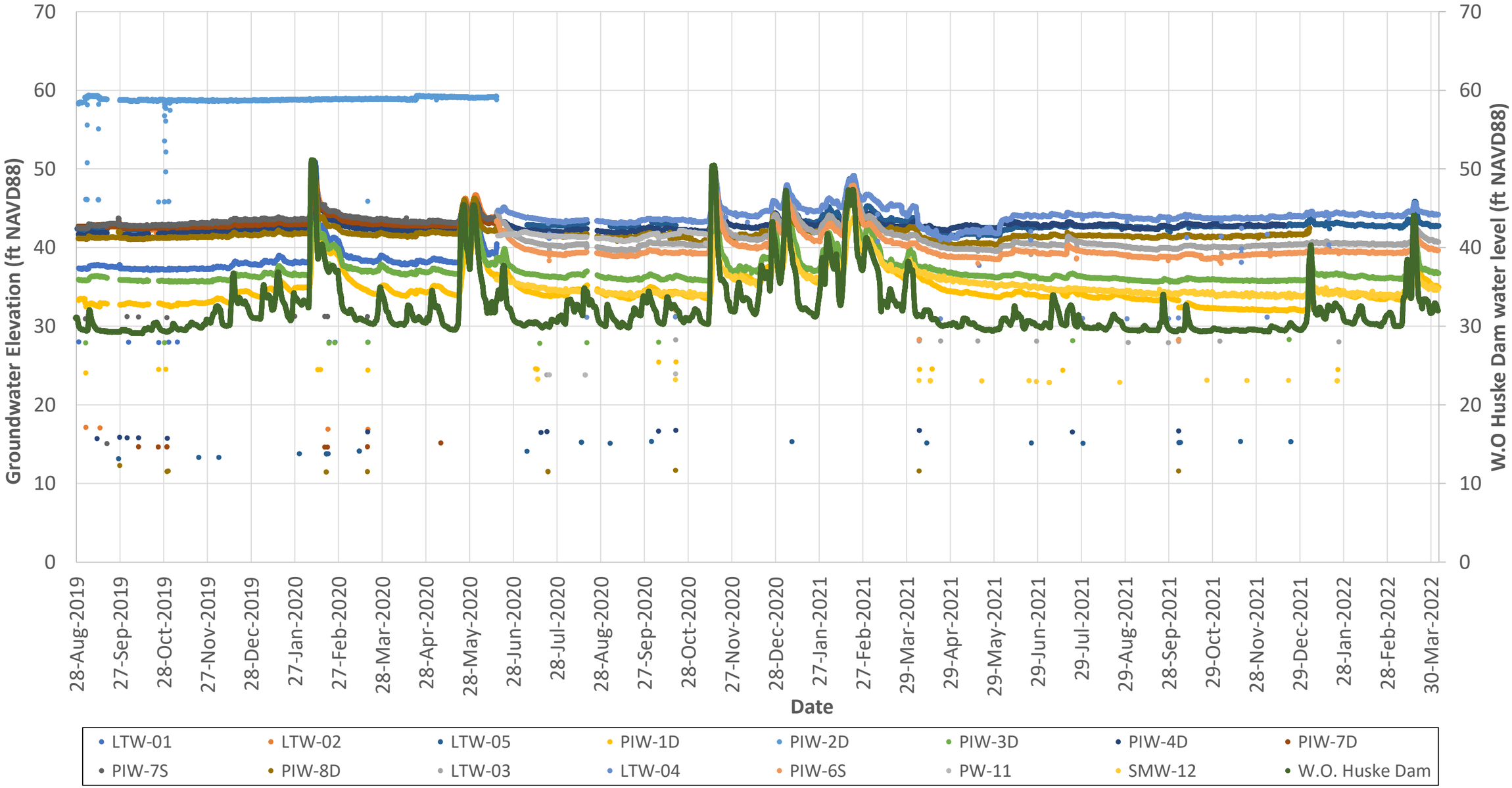
Figure E3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workdan\TR0795 GW Elevation Map and Hydraulic Conductivities Q12022.mxd Last Revised: 4/27/2022 Author: Tlp

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



Notes:
ft - feet
NAVD88 - North American Vertical Datum of 1988 NAVD88 - North American Vertical Datum of 1988

Hydrograph for Select Onsite Groundwater Monitoring Wells and W.O Huske Dam
Chemours Fayetteville Works, North Carolina

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Geosyntec Consultants of NC, P.C.
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Figure
E4

Geosyntec consultants

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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 [µg/m^2]) provided from ERM (2018) was used to calculate the net hourly deposition rate (nanograms per meters squared per hour [ng/m^2/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 (M L^{-2} T^{-1}), typically in ng/m^2/hr;

ML_{AIR} = Air mass loading of HFPO-DA with units of mass per area (M L^{-2}), typically µg/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 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 µg/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 µg/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 (2022) 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 µg/m^2;

S = total number of sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 µg/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, 2022. 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 ($\mu g/m^2$)	Air Loading (ng/m^2)	Time (year)	Time (hour)	Net Hourly Deposition Rate ($ng/m^2/hr$)
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, Tables F5-1 to F5-3.

Abbreviations:

$\mu g/m^2$: micrograms per meter square.

ng /L: nanograms per liter.

$ng/m^2/hr$: 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	

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)
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	
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	
	1570	2,058,518	380,356	
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	
	1649	2,059,275	378,881	
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	
	1830	2,059,995	374,649	
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
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC
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)
1/26/2022	6,584	4.18	0.0	186,443	323	21	2	5,833	1.1
1/27/2022	5,725	3.87	0.0	162,102	323	20	2	5,759	1.0
							Average River Velocity:		**1.1**

Notes:

1) Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2022).

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

ft^2: feet squared

ft/s: feet per second

L/s: Liter per second

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
Table 3+ SOP (ng/L)							
HFPO-DA	**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	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid	**90**	**24**	**9.6**	**10**	**22**	**11**	**16**
R-PSDA	**220 J**	**53 J**	**92**	**68 J**	**79 J**	**44 J**	**39 J**
Hydrolyzed PSDA	**2.1 J**	<2	<2.9	<2	<2	<2	<2
R-PSDCA	<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 Attachment C (ng/L)[1,2]	**5,900**	**4,300**	**6,600**	**5,400**	**3,400**	**3,500**	**2,600**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**5,900**	**4,300**	**6,600**	**5,400**	**3,400**	**3,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)[2]	**6,200**	**4,400**	**6,800**	**5,500**	**3,600**	**3,500**	**2,700**
Ratio of Total Attachment C to HFPO-DA	**4.9**	**4.5**	**6.0**	**4.9**	**4.9**	**4.8**	**4.7**
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 Attachment C to HFPO-DA	**4.85**						
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
Table 3+ SOP (ng/L)							
HFPO-DA	**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	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid	**9.3**	**12**	**12**	**37**	**6.9**	**70**	**16**
R-PSDA	**30 J**	**53 J**	**36**	**110 J**	**23**	**130 J**	**49**
Hydrolyzed PSDA	<2	<2	<2	<2	<2	<2	<2
R-PSDCA	<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 Attachment C (ng/L)[1,2]	**2,500**	**2,600**	**2,500**	**2,400**	**1,400**	**2,900**	**2,300**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**2,600**	**2,600**	**2,500**	**2,400**	**1,400**	**3,000**	**2,300**
Total Table 3+ (20 Compounds) (ng/L)[2]	**2,600**	**2,700**	**2,500**	**2,600**	**1,400**	**3,100**	**2,400**
Ratio of Total Attachment C to HFPO-DA	**4.6**	**4.6**	**5.3**	**4.1**	**5.6**	**4.5**	**4.7**
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 Attachment C to HFPO-DA	**4.85**						
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-DA	**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	<2	<2
Hydro-PS Acid	**44**	**28**
R-PSDA	**120 J**	**78 J**
Hydrolyzed PSDA	<2	<2
R-PSDCA	<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 Attachment C (ng/L)[1,2]	**2,500**	**2,600**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**2,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)[2]	**2,700**	**2,700**
Ratio of Total Attachment C to HFPO-DA	**4.8**	**4.6**
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 Attachment C to HFPO-DA	**4.85**	
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 limit
J - 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.
1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
2 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.
3 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

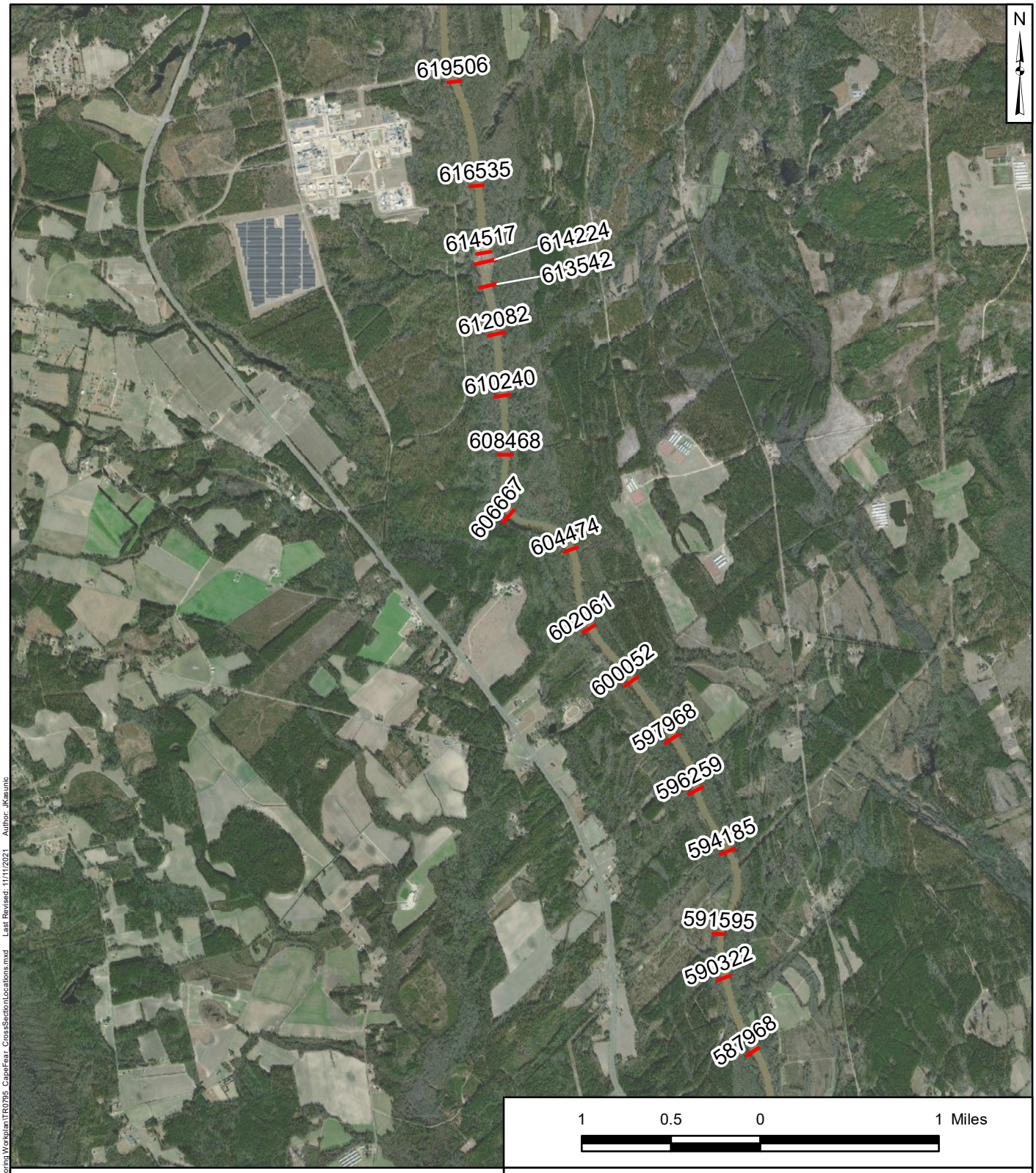
TABLE F5
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX
Chemours Fayetteville Works, North Carolina

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)	Section Area (m^2)	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	89,028	1.1	1164.62	0.78	1.3	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	48,300	1.1	1164.62	0.42	0.3	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	89,570	1.1	1164.62	0.78	0.5	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	57,813	1.1	1164.62	0.50	0.4	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	55,672	1.1	1164.62	0.48	0.2	0.00011
												Total HFPO-DA:	**0.0011**
												Total Attachment C[5]:	**0.005**
												Total Table 3+ (17 Compounds)[6]:	**0.006**
												Total Table 3+ (20 Compounds):	**0.006**

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 27, 2022, Table F3.
5. Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
6. Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

µg/m^2/yr: micrograms per meter square per year
ft/s: feet per second
hr: hours
m/hr: meters per hour
m: meter
m^2: meter square
mg/s: milligrams per second
mg: milligrams
ng/m^2/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

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

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_CapeFear_CrossSectionLocations.mxd Last Revised: 11/11/2021 Author: JKasunic

Cape Fear River Cross Sections Locations

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Geosyntec consultants

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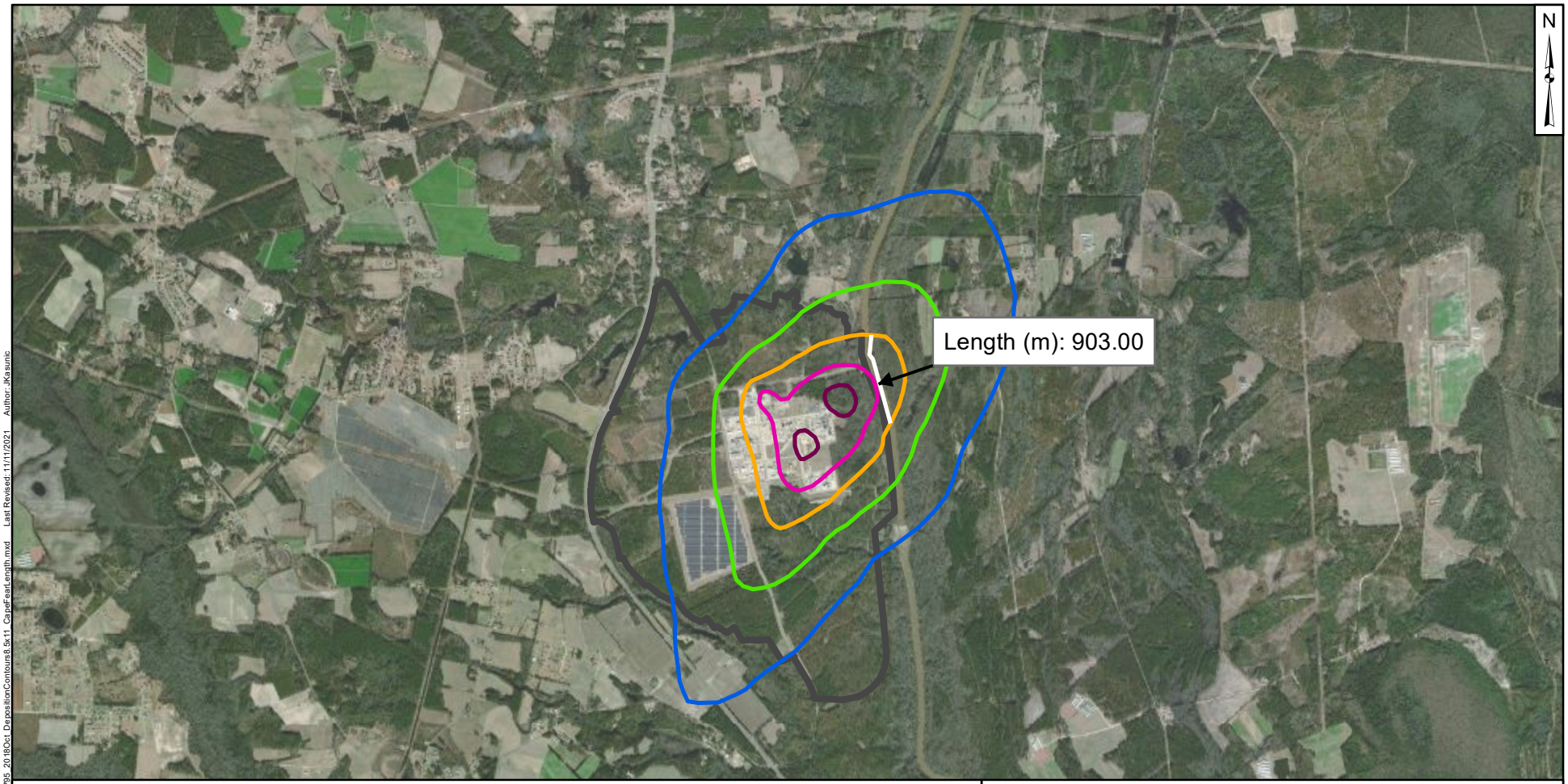
Figure F1



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m^2/yr
- 80 µg/m^2/yr
- 160 µg/m^2/yr
- 320 µg/m^2/yr
- 640 µg/m^2/yr

Notes:
µg / m^2/ 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

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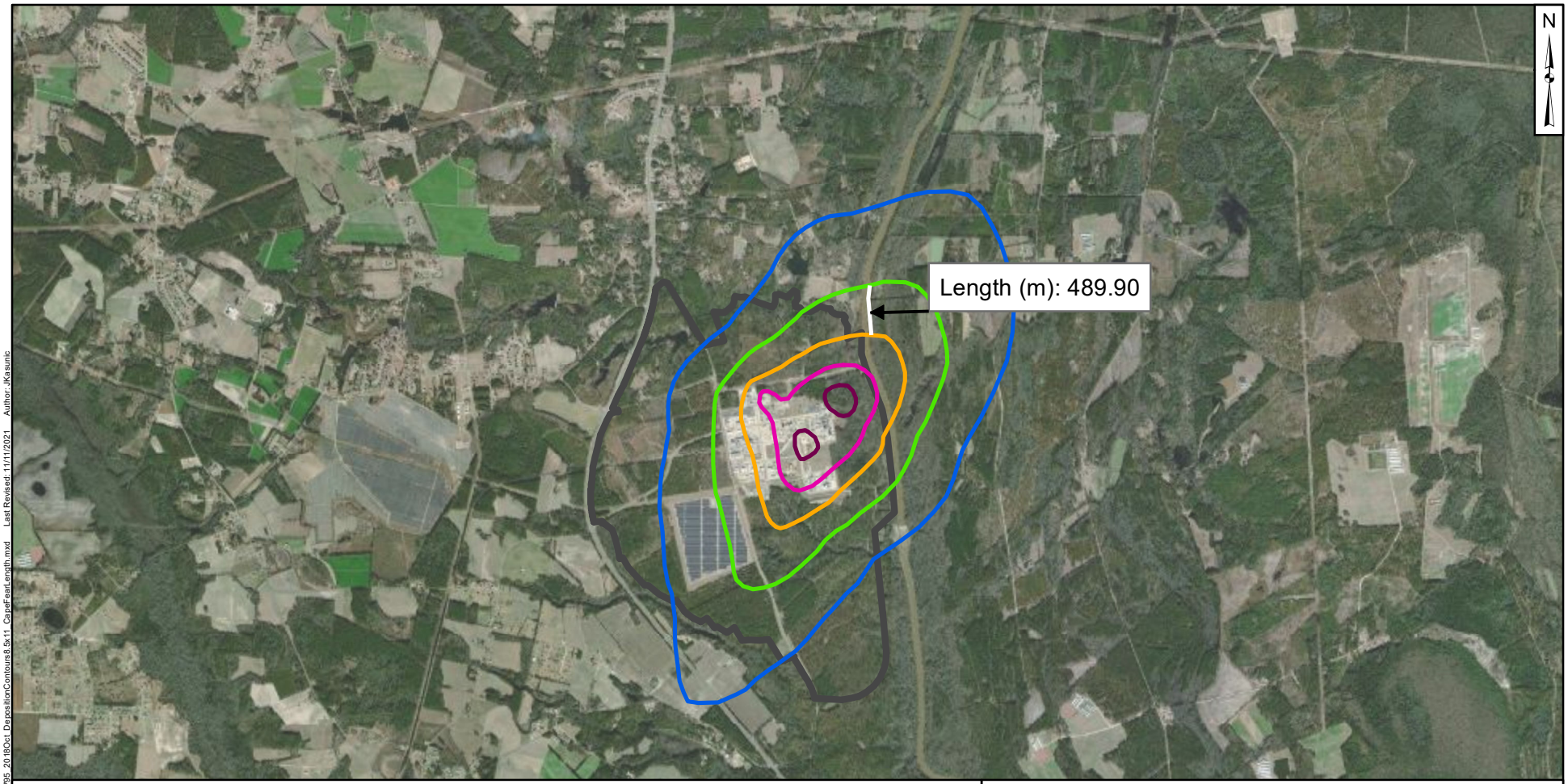
Figure **F2**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 11/11/2021 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m^2/yr
- 80 µg/m^2/yr
- 160 µg/m^2/yr
- 320 µg/m^2/yr
- 640 µg/m^2/yr

Notes:
µg / m^2/ 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

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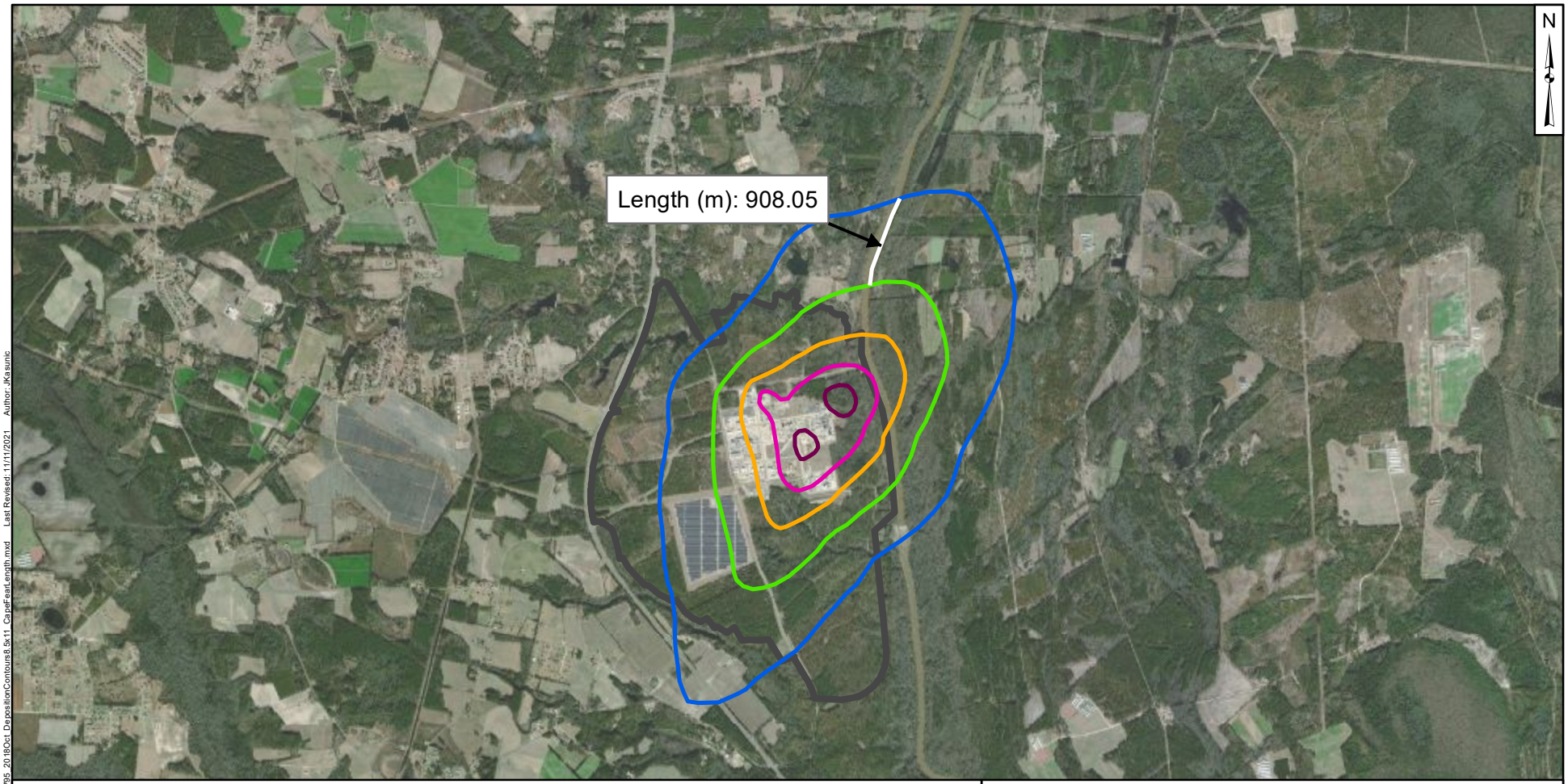
Figure **F3**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 11/11/2021 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m^2/yr
- 80 µg/m^2/yr
- 160 µg/m^2/yr
- 320 µg/m^2/yr
- 640 µg/m^2/yr

Notes:
µg / m^2/ 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 2

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Figure **F4**

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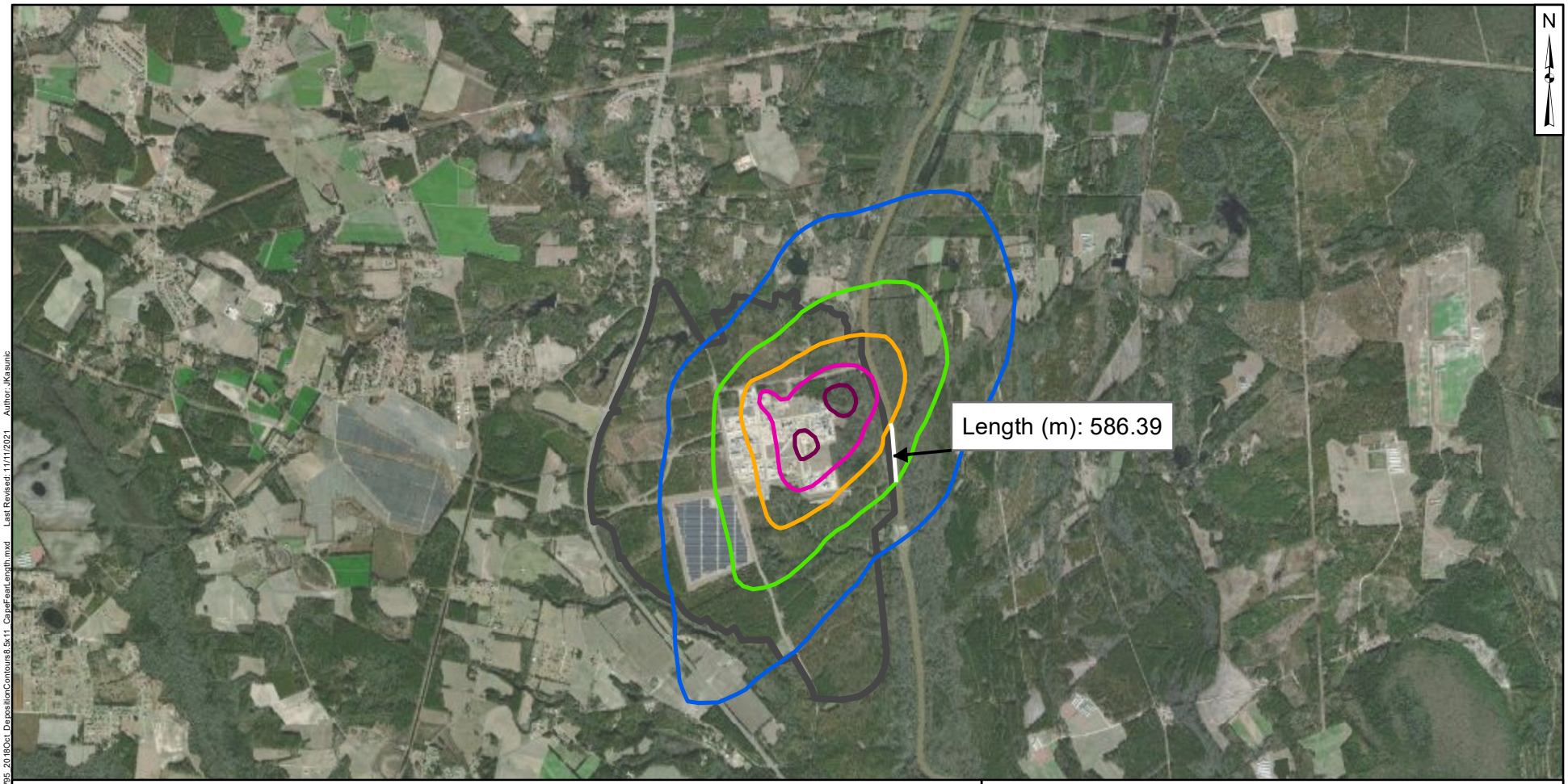
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m^2/yr
- 80 µg/m^2/yr
- 160 µg/m^2/yr
- 320 µg/m^2/yr
- 640 µg/m^2/yr

Notes:
µg / m^2/ 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

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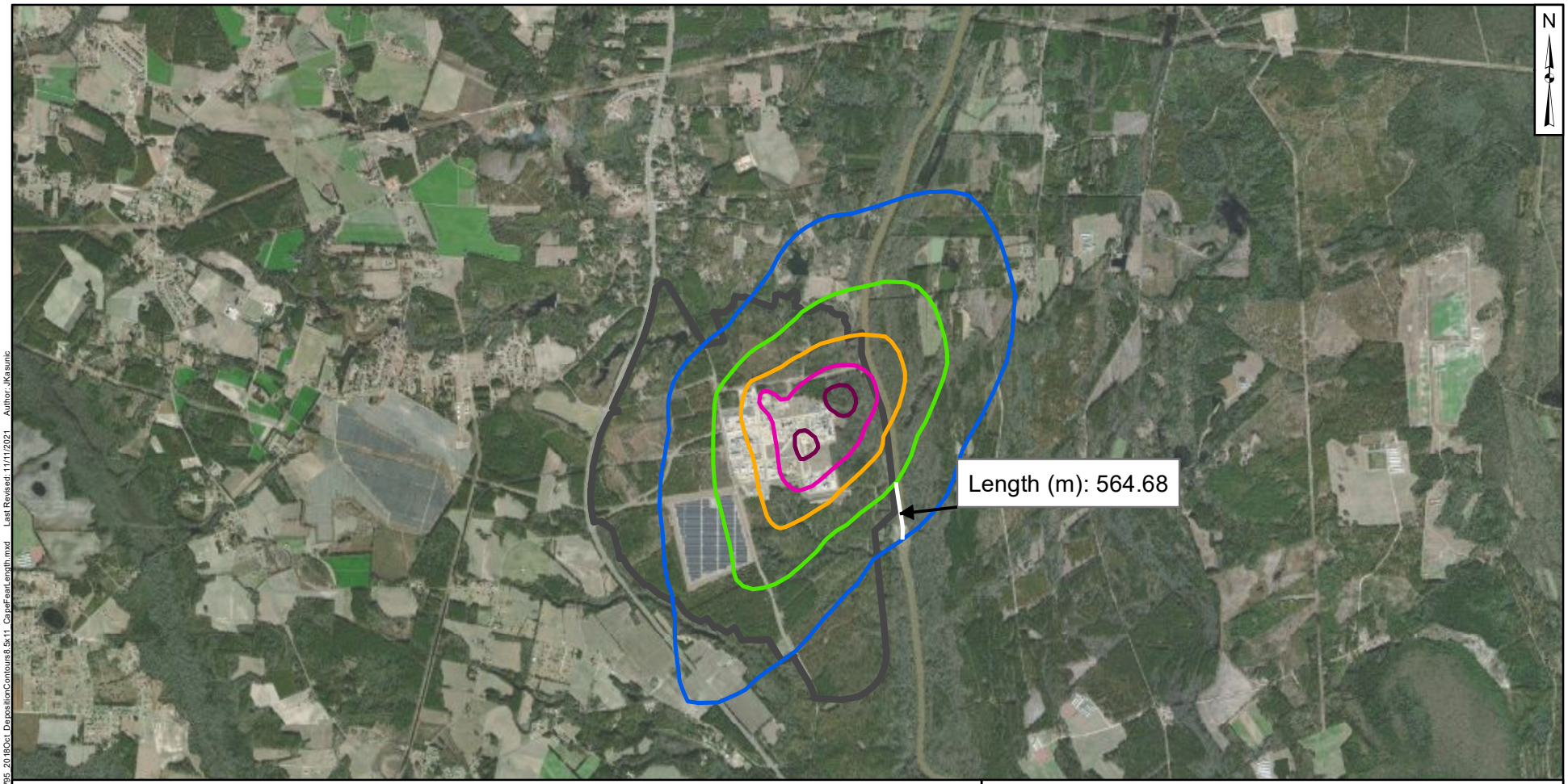
Figure **F5**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 11/11/2021 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m^2/yr
- 80 µg/m^2/yr
- 160 µg/m^2/yr
- 320 µg/m^2/yr
- 640 µg/m^2/yr

Notes:
µg / m^2/ 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

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Figure **F6**

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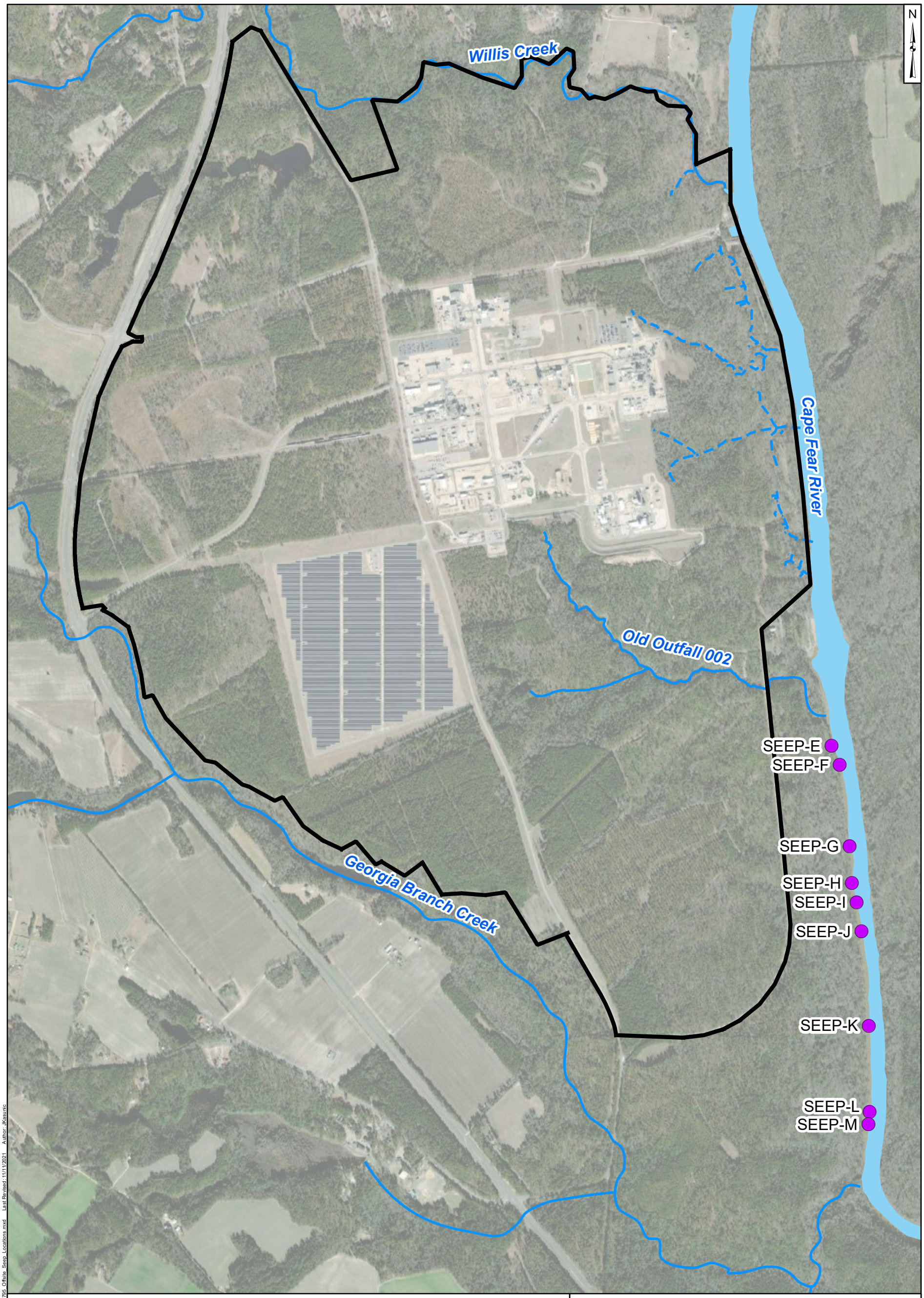
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



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, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1,000 500 0 1,000 Feet

Southwestern Offsite Seeps Locations

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Figure **F7**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Offsite_Seep_Locations.mxd Last Revised: 11/11/2021 Author: JKasunic

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