Appendix A
Sampling Results

APPENDIX A

SAMPLING RESULTS

This appendix presents results from the Q4 2021 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.

For monthly sampling events in Q4 2021, samples were analyzed for PFAS by Table 3+ Laboratory SOP. Surface water samples collected during the first month Q4 2021 (i.e., October 2021) in groundwater samples collected in the first two months of Q4 2021 (i.e., October and November 2021) were also analyzed for 13 additional perfluoroalkyl carboxylic acid (PFCAs) 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 Q4 2021 report, the Cape Fear River Mass Load reporting period was from October 1 through December 31, 2021. During this period, twenty-nine (29) primary composite samples and three (3) grab samples were collected at location CFR-TARHEEL, with the last sample being collected on December 30, 2021.

Cape Fear River Mass Load QA/QC Samples

Two duplicate samples (CFR-TARHEEL-24-101121-D and CFR-TARHEEL-24-110821-D) were collected during Q4 2021 on October 11 and November 8, 2021. Equipment blanks are only performed at CFR-TARHEEL when maintenance activities (e.g., line changes) are performed on the composite sampler system. Since there were no scheduled maintenance activities at CFR-TARHEEL in Q4 2021, there were no other QA/QC samples collected for this reporting period. PFAS results for the primary (CFR-TARHEEL-24-101121 and CFR-TARHEEL-24-110821) and duplicate samples (CFR-TARHEEL-24-101121-D and CFR-TARHEEL-24-110821-D) had

relative percent differences less than 30% for the reported compounds, except for R-PSDA in the primary and duplicate samples collected in October 2021 (CFR-TARHEEL-24-101121 and CFR-TARHEEL-24-101121-D), which is J qualified.

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 Q4 2021, Total Table 3+ concentrations ranged from 20 ng/L (CFR-TARHEEL-24-121321) to 120 ng/L (CFR-TARHEEL-24-120921). This range in concentrations is within the observed range in previous quarterly sampling events.

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

PFAS Mass Loading Model Sampling Seep and Surface Water Results

For this Q4 2021 report, sampling of seep, surface water, and Cape Fear River locations occurred in October 2021 (October 19-26), November 2021 (November 9-17) and 2021 (December 14-20). During these three monthly events, forty-eight (48) samples, two (2) duplicate samples, and six (6) equipment blanks were collected.

During the reporting period between October 1, 2021, and December 31, 2021, high river stages were not recorded (<10 feet throughout). Additionally, USGS rain gauge 02105500 indicated approximately 0.04 inches of precipitation in the November 2021 sample collection event, and no precipitation in the October or December 2021 sample collection events.

Seep and Surface Water QA/QC Samples

Table 3+ PFAS concentrations for surface water QA/QC samples are reported in Table A2-1. Six (6) equipment blanks were collected and no compound was detected above the reporting limit, except for PFMOAA in the equipment blanks collected in the October 2021 sampling event (CAP1021-EQBLK-IS-101921 and CAP1021-EQBLK-PP-101921). Because of this, a B qualifier is assigned to PFMOAA in the sample collected at Rive Mile 76 (CAP1021-CFR-RM-76-101921). Two field duplicates were collected at the Seep-C-EFF location on October 20, 2021 and December 15, 2021. PFAS results for the primary (CAP1021-SEEP-C-EFF-24-102021, CAP1221-SEEP-C-EFF-24-121521) and duplicate samples (CAP1021-SEEP-C-EFF-24-102021-D, CAP1221-SEEP-C-EFF-24-121521-D) had relative percent differences less than 30% for the reported compounds.

Seeps and Surface Flow Gauging

A summary of flow rates measured for the three monthly seep and surface water events in Q4 2021 are presented in Table A3. Surface water flow gauging locations for the Q4 2021 events are shown on Figures 4A, 4B, 4C and 5 and listed in Table 2 of the main report. Details on estimated flow measurements along with measurement methods at each flow gauging location are included in Appendix B.

Seeps and Surface Water Field Parameters

Field parameters recorded for surface water samples collected during the Q4 2021 events are presented in Table A4 and the field forms are provided in Appendix C. Recorded field parameter data are generally consistent with expectations.

Seep and Surface Water PFAS Analytical Results

Analytical results for the seep, surface, and river water samples are summarized in Table A2-1 (Table 3+) and A2-2 (PFCAs). Figures A1-1 through A1-3, and A2 show the Total Table 3+ concentrations reported for samples collected in Q4 2021 and Figure A3 presents the HFPO-DA concentrations for Cape Fear River samples, respectively. Laboratory and DVM reports are included in Appendix D.

In general, Total Table 3+ concentrations were lowest at Intake at the Facility, Outfall 002, in the near-site/downstream river samples, and the effluents to the seep FTCs, 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 7.6 ng/L (at CFR-MILE-76 in December 2021) to 94 ng/L (downstream sample at CFR-TARHEEL in October 2021). Among the creeks, the Total Table 3+ concentration ranges were similar at Georgia Branch Creek (1,400 to 1,800 ng/L) and at Willis Creek (1,800 to 2,700 ng/L) for the samples collected in Q4 2021. Among the seeps and Old Outfall 002, Seep-D effluents generally had the lowest Total Table 3+ concentrations (ranging from 15 to 67 ng/L in Q4 2021), while Lock-Dam Seep had the highest Total Table 3+ concentrations ranging from 88,000 to 130,000 ng/L in Q4 2021.

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 October, November, and December 2021) to 14 ng/L (downstream sample at CFR-TARHEEL and CFR-KINGS in November 2021).

PFAS Mass Loading Model Sampling Groundwater Results

Three synoptic water level surveys of the onsite groundwater monitoring well network were completed in Q4 2021 (October 4, November 11, and December 2). Field parameters and groundwater samples were collected from 18 of the 20 CO Paragraph 16 monitoring wells in each of October, November, and December 2021 (Tables A5-1 and A5-2; Figure A7). 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 Q4 2021, and PW-11 was being pumped as part of the interim groundwater remediation activities and could not be sampled in Q4 2021.

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:

- Nine equipment blank samples and one field blank sample were collected over the three sampling events. No PFAS were detected above the associated reporting limits in any of the equipment blank or field blank samples.
- Three field duplicate samples were collected at SMW-10 (October and November 2021) and at PZ-22 (December 2021). PFAS results for the primary (CAP1021-SMW-10-102521, CAP1121-SMW-10-110321, CAP1221-PZ-22-120621) and duplicate samples (CAP1021-SMW-10-102521-D, CAP1121-SMW-10-110321-D, CAP1221-PZ-22-120621-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 three synoptic water level measurement surveys performed in October, November, and December 2021 (Table A6). Groundwater elevations from these synoptic water levels were used to develop potentiometric maps for the Perched Zone, Surficial Aquifer and Black Creek Aquifer (Figures A4-1 to A6-3).

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

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

Groundwater in the Black Creek Aquifer flows in a predominantly easterly direction to the Cape Fear River (Figure A4-3, A5-3 and A6-3) similar to groundwater elevations discussed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021b; Geosyntec, 2021c; Geosyntec, 2021d; Geosyntec, 2021e). 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 Q4 2021 are summarized in Tables A5-1 (Table 3+), Table A5-2 (PFCAs), and Figure A7. Laboratory and DVM reports are included in Appendix D. Total Table 3+ concentrations ranged from non-detectable above associated reporting limits (PW-09; October, November, and December 2021 samples) to 200,000 ng/L (PZ-22, October 2021 sample). 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 A7).

In general, the largest proportion of Total Table 3+ concentrations are comprised of HFPO-DA, PFMOAA, PFO2HxA and perfluoro-2-methoxypropionic acid (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 A7) were similar to the Lock-Dam Seep concentrations (Figures A1-1 to A1-3). Overall, results from the Q4 2021 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). One exception to this observation is the sample collected at LTW-01 during the October 2021 sampling event, where the total Table 3+ concentration is higher than other recent samples at that location. The concentrations at LTW-01 in November and December 2021 are more similar to other recent results (Figure A7; Geosyntec, 2021c; Geosyntec, 2021d; Geosyntec, 2021e).

The results from the Q4 2021 groundwater monitoring event were used to calculate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass discharge to the Cape Fear River. The details of the calculations can be found in Appendix E.

References

Geosyntec, 2019a. Corrective Action Plan. Chemours Fayetteville Works. December 31, 2019.

Geosyntec, 2019b. On and Offsite Assessment. Chemours Fayetteville Works. September 30, 2019.

Geosyntec, 2020a. Matrix Interference During Analysis of Table 3+ Compounds. Chemours Fayetteville Works. June 30, 2020.

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.

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 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**	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
Location ID	FBLK	EB
Field Sample ID	CFR-TARHEEL-FB-060120	CAP3Q20-EQBLK-ISCO-072920
Sample Date	6/1/2020	7/29/2020
Sample Type	Grab	Grab
Sample Start Date and Time	-	-
Sample Stop Date and Time	-	-
Composite Duration (hours)	-	-
QA/QC	Field Blank	Equipment Blank
Sample Delivery Group (SDG)	320-61452-1	320-63228-1
Lab Sample ID	320-61452-3	320-63228-4
Table 3+ SOP (ng/L)		
HFPO-DA	<2	<2
PFMOAA	<2	<2
PFO2HxA	<2	<2
PFO3OA	<2	<2
PFO4DA	<2	<2
PFO5DA	<2	<2
PMPA	<13	<20
PEPA	<2	<10
PS Acid	<2	<2
Hydro-PS Acid	<2	<2
R-PSDA	<2	<2 UJ
Hydrolyzed PSDA	<2	<2 UJ
R-PSDCA	<2	<2
NVHOS	<2	<2
EVE Acid	<2	<2
Hydro-EVE Acid	<2	<2
R-EVE	<2	<2 UJ
PES	<2	<2
PFECA B	<2	<2
PFECA-G	<2	<2
Perfluoroheptanoic Acid	<2 UJ	<2
Total Attachment C[1,2]	ND	ND
Total Table 3+ (17 compounds)[2,3]	ND	ND
Total Table 3+ (20 compounds)[2]	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[4]	CFR-MILE-76
Field Sample ID	CAP1021-CFR-BLADEN-102021	CAP1021-CFR-KINGS-102621	CAP1021-CFR-RM-76-101921	CAP1021-CFR-RM-76-101921
Sample Date	10/20/2021	10/26/2021	10/19/2021	10/19/2021
QA/QC				
Sample Delivery Group (SDG)	320-80690-1 / 320-80690-2	320-81066-1 / 320-81066-2	320-80696-1 / 320-80696-2	320-80696-3
Lab Sample ID	320-80690-2	320-81066-1	320-80696-4	320-80696-4
Table 3+ SOP (ng/L)				
HFPO-DA	**13**	**11**	<2.0	<2.0 UJ
PFMOAA	**30**	**26**	**3.0 B**	<2.0 UJ
PFO2HxA	**15**	**12**	<2.0	<2.0 UJ
PFO3OA	**3.3 J**	**3.1**	<2.0	<2.0 UJ
PFO4DA	<2.0	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0 UJ
PMPA	**11**	**14**	**12**	<10 UJ
PEPA	<20	<20	<20	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0 UJ
R-PSDA	**11 J**	**6.5 J**	<2.0	<2.0 UJ
Hydrolyzed PSDA	**10 J**	**7.1 J**	**2.0 J**	<2.0 UJ
R-PSDCA	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	**5.3**	<2.0	**5.3**	**5.0 J**
EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ
R-EVE	**3.1 J**	**3.7 J**	<2.0	<2.0 UJ
PES	<2.0	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	**3.2**	**2.3**	**3.3**	3.1 J
Total Attachment C[1,2]	**72**	**66**	**15**	ND
Total Table 3+ (17 compounds)[2,3]	**78**	**66**	**20**	**5.0**
Total Table 3+ (20 compounds)[2]	**100**	**83**	**22**	**5.0**

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

Location ID	CFR-TARHEEL	CFR-TARHEEL	GBC-1	Intake at Facility
Field Sample ID	CAP1021-CFR-TARHEEL-102021	CAP1021-CFR-TARHEEL-24-102121	CAP1021-GBC-1-101921	RIVER-WATER-INTAKE2-24-102021
Sample Date	10/20/2021	10/21/2021	10/19/2021	10/20/2021
QA/QC				
Sample Delivery Group (SDG)	320-80690-1 / 320-80690-2	320-80692-1 / 320-80692-2	320-80696-1 / 320-80696-2	320-80690-1 / 320-80690-2
Lab Sample ID	320-80690-3	320-80692-3	320-80696-3	320-80690-4
Table 3+ SOP (ng/L)				
HFPO-DA	**13**	**13**	**480**	**17**
PFMOAA	**30**	**33**	**67**	**11**
PFO2HxA	**17**	**18**	**340**	**16**
PFO3OA	**4.1 J**	**4.3 J**	**52**	**2.7 J**
PFO4DA	<2.0	<2.0	**16**	<2.0
PFO5DA	<2.0	<2.0	**2.0**	<2.0
PMPA	**16**	**19**	**630**	**62**
PEPA	<20	<20	**200**	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	**23**	<2.0
R-PSDA	**11 J**	**11 J**	**35 J**	<2.0
Hydrolyzed PSDA	**12 J**	**12 J**	<2.0	**5.0 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**6.1**	**6.6**	**3.3**	**6.2**
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	**3.5 J**	**12 J**	<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	**3.4**	**3.5**	**2.6**	**3.4**
Total Attachment C[1,2]	**80**	**87**	**1,800**	**110**
Total Table 3+ (17 compounds)[2,3]	**86**	**94**	**1,800**	**110**
Total Table 3+ (20 compounds)[2]	**110**	**120**	**1,900**	**120**

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

Location ID	Lock-Dam North	Lock-Dam Seep	OLDOF-1	OUTFALL 002
Field Sample ID	CAP1021-LOCK-DAM-NORTH-101921	CAP1021-LOCK-DAM-SEEP-101921	CAP1021-OLDOF-1-24-102021	CAP1021-OUTFALL-002-24-102021
Sample Date	10/19/2021	10/19/2021	10/20/2021	10/20/2021
QA/QC				
Sample Delivery Group (SDG)	320-80690-1 / 320-80690-2	320-80696-1 / 320-80696-2	320-80698-1 / 320-80698-2	320-80690-1 / 320-80690-2
Lab Sample ID	320-80690-1	320-80696-5	320-80698-1	320-80690-5
Table 3+ SOP (ng/L)				
HFPO-DA	**2,000**	**8,700**	**200**	**110**
PFMOAA	**1,400**	**71,000**	**750**	**20**
PFO2HxA	**1,600**	**26,000**	**360**	**24**
PFO3OA	**280 J**	**12,000**	**130**	**5.4 J**
PFO4DA	**90 J**	**1,700**	**47**	**2.9 J**
PFO5DA	**16 J**	**91**	**16**	<2.0
PMPA	**2,500**	**6,700**	**160**	**67**
PEPA	**890**	**2,500**	**57**	<20
PS Acid	<2.0	<20	<2.0	**8.8 J**
Hydro-PS Acid	**86 J**	**130**	**8.3**	**2.7 J**
R-PSDA	**140 J**	**770 J**	<2.0	**10 J**
Hydrolyzed PSDA	<2.0	**710 J**	**15 J**	**60 J**
R-PSDCA	<2.0	<17	<2.0	<2.0
NVHOS	**26**	**1,200**	**15**	**5.6**
EVE Acid	<2.0	<17	<2.0	<2.0
Hydro-EVE Acid	**11**	**130**	**4.0**	<2.0
R-EVE	**65 J**	**250 J**	<2.0	**4.6 J**
PES	<2.0	<6.7	<2.0	<2.0
PFECA B	<2.0	<27	<2.0	<2.0
PFECA-G	<2.4	<48	<2.0	<2.0
Perfluoroheptanoic Acid	**5.5**	**67 J**	<2.0	**8.6**
Total Attachment C[1,2]	**8,900**	**130,000**	**1,700**	**240**
Total Table 3+ (17 compounds)[2,3]	**8,900**	**130,000**	**1,700**	**250**
Total Table 3+ (20 compounds)[2]	**9,100**	**130,000**	**1,800**	**320**

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

Location ID	SEEP-A-EFF	SEEP-A-EFF[5]	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	CAP1021-SEEP-A-EFF-24-102021	CAP1021-SEEP-A-EFF-24-102021	CAP1021-SEEP-B-EFF-24-102021	CAP1021-SEEP-C-EFF-24-102021
Sample Date	10/20/2021	10/20/2021	10/20/2021	10/20/2021
QA/QC				
Sample Delivery Group (SDG)	320-80698-1 / 320-80698-2	320-80698-3	320-80698-1 / 320-80698-2	320-80692-1 / 320-80692-2
Lab Sample ID	320-80698-3	320-80698-3	320-80698-4	320-80692-1
Table 3+ SOP (ng/L)				
HFPO-DA	**40**	**36 J**	**7.1**	**21**
PFMOAA	**120**	**99 J**	**45**	**340**
PFO2HxA	**62**	**64 J**	**6.1**	**59**
PFO3OA	**19**	**19 J**	<2.0	**6.6 J**
PFO4DA	**3.9**	**3.7 J**	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	<10	**37 J**	**21**	**61**
PEPA	<20	<20 UJ	<20	<20
PS Acid	**8.8**	**6.8 J**	<2.0	<2.0
Hydro-PS Acid	**2.6**	**2.6 J**	<2.0	<2.0
R-PSDA	<2.0	**7.5 J**	<2.0	<2.0
Hydrolyzed PSDA	**42 J**	**66 J**	<2.0	<2.0
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0
NVHOS	**3.3**	**2.5 J**	<2.0	<2.0
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0 UJ	<2.0	<2.0
Total Attachment C[1,2]	**260**	**270**	**79**	**490**
Total Table 3+ (17 compounds)[2,3]	**260**	**270**	**79**	**490**
Total Table 3+ (20 compounds)[2]	**300**	**340**	**79**	**490**

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

Location ID	SEEP-C-EFF	SEEP-C-EFF[5]	SEEP-D-EFF	WC-1
Field Sample ID	CAP1021-SEEP-C-EFF-24-102021-D	CAP1021-SEEP-C-EFF-24-102021	CAP1021-SEEP-D-EFF-24-102021	CAP1021-WC-1-24-102021
Sample Date	10/20/2021	10/20/2021	10/20/2021	10/20/2021
QA/QC	Field Duplicate			
Sample Delivery Group (SDG)	320-80692-1 / 320-80692-2	320-80692-3	320-80698-1 / 320-80698-2	320-80698-1 / 320-80698-2
Lab Sample ID	320-80692-2	320-80692-1	320-80698-5	320-80698-2
Table 3+ SOP (ng/L)				
HFPO-DA	**23**	**21 J**	**5.6**	**470**
PFMOAA	**340**	**380 J**	**23**	**860**
PFO2HxA	**56**	**55 J**	**7.3**	**560**
PFO3OA	**6.6 J**	**6.2 J**	**2.7**	**100**
PFO4DA	<2.0	<2.0 UJ	<2.0	**24**
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	**62**	**63 J**	<10	**490**
PEPA	<20	<20 UJ	<20	**140**
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	**16**
R-PSDA	<2.0	<2.0 UJ	<2.0	**48 J**
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2.0	**300 J**
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0
NVHOS	<2.0	**2.4 J**	<2.0	**16**
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	**7.5**
R-EVE	<2.0	<2.0 UJ	<2.0	**23 J**
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0 UJ	<2.0	**2.9**
Total Attachment C[1,2]	**490**	**530**	**39**	**2,700**
Total Table 3+ (17 compounds)[2,3]	**490**	**530**	**39**	**2,700**
Total Table 3+ (20 compounds)[2]	**490**	**530**	**39**	**3,100**

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

Location ID	EB	EB	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP1021-EQBLK-IS-101921	CAP1021-EQBLK-PP-101921	CAP1121-CFR-BLADEN-111021	CAP1121-CFR-KINGS-111721
Sample Date	10/19/2021	10/19/2021	11/10/2021	11/17/2021
QA/QC	Equipment Blank	Equipment Blank		
Sample Delivery Group (SDG)	320-80696-1 / 320-80696-2	320-80696-1 / 320-80696-2	320-81667-1	320-81997-1
Lab Sample ID	320-80696-1	320-80696-2	320-81667-1	320-81997-1
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	<2.0	**13**	**14**
PFMOAA	**2.1**	**3.7**	**19**	**20**
PFO2HxA	<2.0	<2.0	**13**	**15**
PFO3OA	<2.0	<2.0	**3.2**	**3.9**
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	**24**	**27**
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	**9.0 J**	**8.4 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**6.8**	**6.2**
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	**5.5**	**5.0**
Total Attachment C[1,2]	**2.1**	**3.7**	**72**	**80**
Total Table 3+ (17 compounds)[2,3]	**2.1**	**3.7**	**79**	**86**
Total Table 3+ (20 compounds)[2]	**2.1**	**3.7**	**88**	**95**

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

Location ID	CFR-MILE-76[4]	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	**CAP1121-CFR-RM-76-110921**	**CAP1121-CFR-RM-76-110921**	**CAP1121-CFR-TARHEEL-111021**	**CAP1121-CFR-TARHEEL-24-111121**
Sample Date	**11/9/2021**	**11/9/2021**	**11/10/2021**	**11/11/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-81663-1**	**320-81663-2**	**320-81667-1**	**320-81997-1**
Lab Sample ID	**320-81663-4**	**320-81663-4**	**320-81667-2**	**320-81997-2**
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	<2.0 UJ	**14**	**13**
PFMOAA	**2.2**	<2.0 UJ	**20**	**18**
PFO2HxA	<2.0	<2.0 UJ	**14**	**14**
PFO3OA	<2.0	<2.0 UJ	**3.5**	**3.6**
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	**19**	<10 UJ	**27**	**29**
PEPA	<20	<20 UJ	<20	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	<2.0	<2.0 UJ	<2.0	<2.0
Hydrolyzed PSDA	**2.4 J**	<2.0 UJ	**7.8 J**	**8.0 J**
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0
NVHOS	**6.8**	**7.7 J**	**6.1**	**6.1**
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	**5.6**	5.1 J	**5.1**	**5.3**
Total Attachment C[1,2]	**21**	ND	**79**	**78**
Total Table 3+ (17 compounds)[2,3]	**28**	**7.7**	**85**	**84**
Total Table 3+ (20 compounds)[2]	**30**	**7.7**	**92**	**92**

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

Location ID	GBC-1	Intake at Facility	Intake at Facility	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP1121-GBC-1-110921	RIVER-WATER-INTAKE2-24-111021	RIVER-WATER-INTAKE2-24-111021-D	CAP1121-LOCK-DAM-NORTH-110921	CAP1121-LOCK-DAM-SEEP-110921
Sample Date	11/9/2021	11/10/2021	11/10/2021	11/9/2021	11/09/2021
QA/QC			Field Duplicate		
Sample Delivery Group (SDG)	320-81663-1	320-81661-1	320-81661-1	320-81663-1	320-81663-1
Lab Sample ID	320-81663-1	320-81661-1	320-81661-2	320-81663-3	320-81663-2
Table 3+ SOP (ng/L)					
HFPO-DA	**480**	**44**	**43**	**2,100**	**8,600**
PFMOAA	**49**	**37 J**	**38 J**	**1,300**	**65,000**
PFO2HxA	**280**	**36**	**36**	**1,500**	**23,000**
PFO3OA	**47**	**6.8**	**7.3**	**270**	**11,000**
PFO4DA	**14**	<2.0	<2.0	**91**	**2,200**
PFO5DA	<2.0	<2.0	<2.0	**13**	<78
PMPA	**560**	**56**	**53**	**2,100**	**5,800**
PEPA	**190**	<20	<20	**960**	**2,500**
PS Acid	<2.0	<2.0	<2.0	<2.0	<20
Hydro-PS Acid	**20**	<2.0	<2.0	**76**	**82**
R-PSDA	**33 J**	<2.0	<2.0	**120 J**	**710 J**
Hydrolyzed PSDA	<2.0	**23 J**	**24 J**	<2.0	**630 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<17
NVHOS	**3.3**	**7.5**	**7.8**	**23**	**980**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<17
Hydro-EVE Acid	<2.0	<2.0	<2.0	**9.9**	**100**
R-EVE	**16 J**	<2.0	<2.0	**66 J**	**260 J**
PES	<2.0	<2.0	<2.0	<2.0	<6.7
PFECA B	<2.0	<2.0	<2.0	<2.0	<27
PFECA-G	<2.0	<2.0	<2.0	<2.4	<48
Perfluoroheptanoic Acid	**2.8**	**4.4**	**4.6**	**6.3**	<94
Total Attachment C[1,2]	**1,600**	**180**	**180**	**8,400**	**120,000**
Total Table 3+ (17 compounds)[2,3]	**1,600**	**190**	**190**	**8,400**	**120,000**
Total Table 3+ (20 compounds)[2]	**1,700**	**210**	**210**	**8,600**	**120,000**

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

Location ID	OLDOF-1	OUTFALL 002	SEEP-A-EFF	SEEP-B-EFF
Field Sample ID	CAP1121-OLDOF-1-24-111021	CAP1121-OUTFALL-002-24-111121	CAP1121-SEEP-A-EFF-24-111021	CAP1121-SEEP-B-EFF-24-111021
Sample Date	11/10/2021	11/11/2021	11/10/2021	11/10/2021
QA/QC				
Sample Delivery Group (SDG)	320-81665-1	320-82222-1	320-81665-1	320-81665-1
Lab Sample ID	320-81665-5	320-82222-1	320-81665-1	320-81665-2
Table 3+ SOP (ng/L)				
HFPO-DA	**170**	**160**	**6.5**	**19**
PFMOAA	**510**	**40**	**18**	**42**
PFO2HxA	**250**	**48**	**7.6**	**17**
PFO3OA	**91**	**9.7**	**2.4**	**4.1**
PFO4DA	**33**	**2.8**	<2.0	<2.0
PFO5DA	**8.8**	<2.0	<2.0	<2.0
PMPA	**110**	**73**	**11**	**32**
PEPA	**45**	<20	<20	<20
PS Acid	<2.0	**4.7**	<2.0	<2.0
Hydro-PS Acid	**5.1**	**2.3**	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**8.2 J**	**40 J**	**4.9 J**	**15 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**10**	**6.0**	<2.0	<2.0
EVE Acid	<2.0	**7.8**	<2.0	<2.0
Hydro-EVE Acid	**3.1**	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**5.4**	<2.0	<2.0
Total Attachment C[1,2]	**1,200**	**340**	**46**	**110**
Total Table 3+ (17 compounds)[2,3]	**1,200**	**350**	**46**	**110**
Total Table 3+ (20 compounds)[2]	**1,200**	**390**	**50**	**130**

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

Location ID	SEEP-B-EFF[5]	SEEP-C-EFF	SEEP-C-EFF[5]	SEEP-D-EFF
Field Sample ID	CAP1121-SEEP-B-EFF-24-111021	CAP1121-SEEP-C-EFF-24-111021	CAP1121-SEEP-C-EFF-24-111021	CAP1121-SEEP-D-EFF-24-111021
Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021
QA/QC				
Sample Delivery Group (SDG)	320-81665-2	320-81665-1	320-81665-2	320-81665-1
Lab Sample ID	320-81665-2	320-81665-3	320-81665-3	320-81665-4
Table 3+ SOP (ng/L)				
HFPO-DA	**20 J**	**9.7**	**11 J**	**2.2**
PFMOAA	**55 J**	**420**	**620 J**	**50**
PFO2HxA	**20 J**	**26**	**36 J**	**4.4**
PFO3OA	**4.6 J**	<2.0	**2.3 J**	<2.0
PFO4DA	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PMPA	**37 J**	**75**	**97 J**	**10**
PEPA	<20 UJ	<20	<20 UJ	<20
PS Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0
R-PSDA	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydrolyzed PSDA	**21 J**	<2.0	<2.0 UJ	<2.0
R-PSDCA	<2.0 UJ	<2.0	<2.0 UJ	<2.0
NVHOS	<2.0 UJ	<2.0	<2.0 UJ	<2.0
EVE Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0
R-EVE	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PES	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Total Attachment C[1,2]	**140**	**530**	**770**	**67**
Total Table 3+ (17 compounds)[2,3]	**140**	**530**	**770**	**67**
Total Table 3+ (20 compounds)[2]	**160**	**530**	**770**	**67**

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

Location ID	WC-1	EB	EB	CFR-BLADEN
Field Sample ID	CAP1121-WC-1-24-111021	CAP1121-EQBLK-IS-111021	CAP1121-EQBLK-PP-111021	CAP1221-CFR-BLADEN-121521
Sample Date	11/10/2021	11/10/2021	11/10/2021	12/15/2021
QA/QC		Equipment Blank	Equipment Blank	
Sample Delivery Group (SDG)	320-81661-1	320-81667-1	320-81667-1	320-83103-1
Lab Sample ID	320-81661-3	320-81667-4	320-81667-3	320-83103-4
Table 3+ SOP (ng/L)				
HFPO-DA	**480**	<2.0	<2.0	**2.4 J**
PFMOAA	**720**	<2.0	<2.0	**20 J**
PFO2HxA	**510**	<2.0	<2.0	**12 J**
PFO3OA	**93**	<2.0	<2.0	**3.5 J**
PFO4DA	**22**	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0 UJ
PMPA	**490**	<10	<10	**14 J**
PEPA	**140**	<20	<20	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	**12**	<2.0	<2.0	<2.0 UJ
R-PSDA	**50 J**	<2.0	<2.0	**9.9 J**
Hydrolyzed PSDA	**300 J**	<2.0	<2.0	**11 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	**19**	<2.0	<2.0	**11 J**
EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	**7.9**	<2.0	<2.0	<2.0 UJ
R-EVE	**25 J**	<2.0	<2.0	**5.0 J**
PES	<2.0	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	**3.1**	<2.0	<2.0	**5.5 J**
Total Attachment C[1,2]	**2,500**	ND	ND	**52**
Total Table 3+ (17 compounds)[2,3]	**2,500**	ND	ND	**63**
Total Table 3+ (20 compounds)[2]	**2,900**	ND	ND	**89**

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

Location ID	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	**CAP1221-CFR-KINGS-122021**	**CAP1221-CFR-RM-76-121421**	**CAP1221-CFR-TARHEEL-121521**	**CAP1221-CFR-TARHEEL-24-121621**
Sample Date	**12/20/2021**	**12/14/2021**	**12/15/2021**	**12/16/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-83355-1**	**320-83103-1**	**320-83103-1**	**320-83105-1**
Lab Sample ID	**320-83355-1**	**320-83103-2**	**320-83103-5**	**320-83105-4**
Table 3+ SOP (ng/L)				
HFPO-DA	**2.8 J**	<2.0 UJ	<2.0 UJ	**5.4 J**
PFMOAA	**25 J**	<2.0 UJ	**18 J**	**30 J**
PFO2HxA	**13 J**	<2.0 UJ	**11 J**	**14 J**
PFO3OA	**3.2 J**	<2.0 UJ	**3.0 J**	**3.0 J**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	<10 UJ	<10 UJ	<10 UJ	<10 UJ
PEPA	<20 UJ	<20 UJ	<20 UJ	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDA	<2.0 UJ	**4.5 J**	**4.8 J**	<2.0 UJ
Hydrolyzed PSDA	<2.0 UJ	<2.0 UJ	<2.0 UJ	**8.2 J**
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	**5.8 J**	**7.6 J**	**9.9 J**	**12 J**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0 UJ	<2.0 UJ	**4.4 J**	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**4.3 J**	**5.3 J**	**5.0 J**	**5.0 J**
Total Attachment C[1,2]	**44**	ND	**32**	**52**
Total Table 3+ (17 compounds)[2,3]	**50**	**7.6**	**42**	**64**
Total Table 3+ (20 compounds)[2]	**50**	**12**	**51**	**73**

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

Location ID	GBC-1	Intake at Facility	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP1221-GBC-1-121421	RIVER-WATER-INTAKE2-24-121521	CAP1221-LOCK-DAM-NORTH-121621	CAP1221-LOCK-DAM-SEEP-121621
Sample Date	12/14/2021	12/15/2021	12/16/2021	12/16/2021
QA/QC				
Sample Delivery Group (SDG)	320-83103-1	320-83098-1	320-83098-1	320-83103-1
Lab Sample ID	320-83103-3	320-83098-3	320-83098-6	320-83103-6
Table 3+ SOP (ng/L)				
HFPO-DA	**440 J**	**20 J**	**2,000 J**	**5,700 J**
PFMOAA	**48 J**	**26 J**	**1,200 J**	**48,000 J**
PFO2HxA	**220 J**	**24 J**	**1,400 J**	**17,000 J**
PFO3OA	**40 J**	**5.3 J**	**290 J**	**9,600 J**
PFO4DA	**12 J**	<2.0 UJ	**93 J**	**2,200 J**
PFO5DA	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
PMPA	**490 J**	**26 J**	**2,000 J**	**4,500 J**
PEPA	**180 J**	<20 UJ	**870 J**	<2,000 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
Hydro-PS Acid	**16 J**	<2.0 UJ	**92 J**	<200 UJ
R-PSDA	**28 J**	**6.1 J**	**150 J**	**870 J**
Hydrolyzed PSDA	<2.0 UJ	**12 J**	<20 UJ	**1,400 J**
R-PSDCA	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
NVHOS	**2.9 J**	**9.6 J**	**24 J**	**810 J**
EVE Acid	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
R-EVE	**14 J**	**6.3 J**	**85 J**	**270 J**
PES	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<20 UJ	<200 UJ
Perfluoroheptanoic Acid	**2.3 J**	**3.8 J**	<20 UJ	<200 UJ
Total Attachment C[1,2]	**1,400**	**100**	**7,900**	**87,000**
Total Table 3+ (17 compounds)[2,3]	**1,400**	**110**	**8,000**	**88,000**
Total Table 3+ (20 compounds)[2]	**1,500**	**140**	**8,200**	**90,000**

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

Location ID	OLDOF-1	OUTFALL 002	SEEP-A-EFF	SEEP-A-EFF[5]
Field Sample ID	CAP1221-OLDOF-1-15-121521	CAP1221-OUTFALL-002-24-121521	CAP1221-SEEP-A-EFF-17-121521	CAP1221-SEEP-A-EFF-17-121521
Sample Date	12/15/2021	12/15/2021	12/15/2021	12/15/2021
QA/QC				
Sample Delivery Group (SDG)	320-83183-1	320-83105-1	320-83183-1	320-83183-2
Lab Sample ID	320-83183-2	320-83105-1	320-83183-1	320-83183-1
Table 3+ SOP (ng/L)				
HFPO-DA	**160 J**	**45 J**	**2.2 J**	**8.4 J**
PFMOAA	**750 J**	**20 J**	**96 J**	**70 J**
PFO2HxA	**250 J**	**24 J**	**16 J**	**18 J**
PFO3OA	**80 J**	**5.5 J**	<2.0 UJ	**2.2 J**
PFO4DA	**34 J**	**2.0 J**	<2.0 UJ	<2.0 UJ
PFO5DA	**12 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**130 J**	**33 J**	**21 J**	**23 J**
PEPA	**44 J**	<20 UJ	<20 UJ	<20 UJ
PS Acid	<2.0 UJ	**3.0 J**	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	**5.9 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDA	**12 J**	**5.6 J**	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**19 J**	**20 J**	**11 J**	**6.2 J**
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	**12 J**	**8.8 J**	<2.0 UJ	<2.0 UJ
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	**3.2 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	**10 J**	**6.4 J**	<2.0 UJ	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	<2.0 UJ	**2.9 J**	<2.0 UJ	<2.0 UJ
Total Attachment C[1,2]	**1,500**	**130**	**140**	**120**
Total Table 3+ (17 compounds)[2,3]	**1,500**	**140**	**140**	**120**
Total Table 3+ (20 compounds)[2]	**1,500**	**170**	**150**	**130**

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

Location ID	SEEP-B-EFF	SEEP-C-EFF	SEEP-C-EFF	SEEP-D-EFF
Field Sample ID	CAP1221-SEEP-B-EFF-24-121521	CAP1221-SEEP-C-EFF-24-121521	CAP1221-SEEP-C-EFF-24-121521-D	CAP1221-SEEP-D-EFF-24-121521
Sample Date	12/15/2021	12/15/2021	12/15/2021	12/15/2021
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-83098-1	320-83105-1	320-83105-1	320-83098-1
Lab Sample ID	320-83098-1	320-83105-2	320-83105-3	320-83098-2
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFMOAA	**21 J**	**17 J**	**17 J**	**15 J**
PFO2HxA	**5.9 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO3OA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**11 J**	<10 UJ	<10 UJ	<10 UJ
PEPA	<20 UJ	<20 UJ	<20 UJ	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**8.8 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Total Attachment C[1,2]	**38**	**17**	**17**	**15**
Total Table 3+ (17 compounds)[2,3]	**38**	**17**	**17**	**15**
Total Table 3+ (20 compounds)[2]	**47**	**17**	**17**	**15**

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

Location ID	WC-1	EB	EB
Field Sample ID	**CAP1221-WC-1-24-121521**	**CAP1221-EQBLK-IS-121521**	**CAP1221-EQBLK-PP-121521**
Sample Date	**12/15/2021**	**12/15/2021**	**12/15/2021**
QA/QC		**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-83098-1**	**320-83103-1**	**320-83098-1**
Lab Sample ID	**320-83098-4**	**320-83103-1**	**320-83098-5**
Table 3+ SOP (ng/L)			
HFPO-DA	**340 J**	<2.0 UJ	<2.0 UJ
PFMOAA	**530 J**	<2.0 UJ	<2.0 UJ
PFO2HxA	**340 J**	<2.0 UJ	<2.0 UJ
PFO3OA	**67 J**	<2.0 UJ	<2.0 UJ
PFO4DA	**15 J**	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**370 J**	<10 UJ	<10 UJ
PEPA	**110 J**	<20 UJ	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	**10 J**	<2.0 UJ	<2.0 UJ
R-PSDA	**29 J**	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**190 J**	<2.0 UJ	<2.0 UJ
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	**12 J**	<2.0 UJ	<2.0 UJ
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	**6.3 J**	<2.0 UJ	<2.0 UJ
R-EVE	**17 J**	<2.0 UJ	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Total Attachment C[1,2]	**1,800**	ND	ND
Total Table 3+ (17 compounds)[2,3]	**1,800**	ND	ND
Total Table 3+ (20 compounds)[2]	**2,000**	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 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 - Samples collected at CFR-MILE-76 on October 19, 2021 and CFR-MILE-76 on November 9, 2021 were reanalyzed. Following data quality review, the original results were used in mass loading calculations.
5 - Samples collected at Seep A Effluent and Seep C Effluent on October 20, 2021, Seep B Effluent and Seep C Effluent on November 10, 2021, and Seep A Effluent on December 15, 2021 were reanalyzed. Following data quality review, the reanalyzed results were used in mass loading calculations.

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
Field Sample ID	CAP1021-CFR-BLADEN-102021	CAP1021-CFR-KINGS-102621	CAP1021-CFR-RM-76-101921	CAP1021-CFR-TARHEEL-102021
Sample Date	10/20/2021	10/26/2021	10/19/2021	10/20/2021
QA/QC				
Sample Delivery Group (SDG)	320-80690-1 / 320-80690-2	320-81066-1 / 320-81066-2	320-80696-1 / 320-80696-2	320-80690-1 / 320-80690-2
Lab Sample ID	320-80690-2	320-81066-1	320-80696-4	320-80690-3
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ	<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	**9.5 J**	**5.5 J**	**10 J**	**8.4 J**
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	**8.8 J**	**6.1 J**	**9.9 J**	**8.9 J**
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	**4.6 J**	**3.8 J**	**4.7 J**	**5.0 J**

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

Location ID	CFR-TARHEEL	GBC-1	Intake at Facility	Lock-Dam North
Field Sample ID	CAP1021-CFR-TARHEEL-24-102121	CAP1021-GBC-1-101921	RIVER-WATER-INTAKE2-24-102021	CAP1021-LOCK-DAM-NORTH-101921
Sample Date	10/21/2021	10/19/2021	10/20/2021	10/19/2021
QA/QC				
Sample Delivery Group (SDG)	320-80692-1 / 320-80692-2	320-80696-1 / 320-80696-2	320-80690-1 / 320-80690-2	320-80690-1 / 320-80690-2
Lab Sample ID	320-80692-3	320-80696-3	320-80690-4	320-80690-1
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0 UJ	**8.5 J**	**7.0 J**	**27 J**
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	**8.4 J**	**2.5 J**	**11 J**	**5.8 J**
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	**9.4 J**	**9.2 J**	**10 J**	**39 J**
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	**4.6 J**	**2.8 J**	**4.6 J**	**11 J**

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

Location ID	Lock-Dam Seep	OLDOF-1	OUTFALL 002	SEEP-A-EFF
Field Sample ID	CAP1021-LOCK-DAM-SEEP-101921	CAP1021-OLDOF-1-24-102021	CAP1021-OUTFALL-002-24-102021	CAP1021-SEEP-A-EFF-24-102021
Sample Date	10/19/2021	10/20/2021	10/20/2021	10/20/2021
QA/QC				
Sample Delivery Group (SDG)	320-80696-1 / 320-80696-2	320-80698-1 / 320-80698-2	320-80690-1 / 320-80690-2	320-80698-1 / 320-80698-2
Lab Sample ID	320-80696-5	320-80698-1	320-80690-5	320-80698-3
537 Mod (ng/L)				
Perfluorobutanoic Acid	**82 J**	<5.0 UJ	**12 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	**17 J**	<2.0 UJ	**42 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	**490 J**	**5.4 J**	**17 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	**9.0 J**	<2.0 UJ	**6.3 J**	<2.0 UJ

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

Location ID	SEEP-B-EFF	SEEP-C-EFF	SEEP-C-EFF	SEEP-D-EFF
Field Sample ID	CAP1021-SEEP-B-EFF-24-102021	CAP1021-SEEP-C-EFF-24-102021	CAP1021-SEEP-C-EFF-24-102021-D	CAP1021-SEEP-D-EFF-24-102021
Sample Date	10/20/2021	10/20/2021	10/20/2021	10/20/2021
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-80698-1 / 320-80698-2	320-80692-1 / 320-80692-2	320-80692-1 / 320-80692-2	320-80698-1 / 320-80698-2
Lab Sample ID	320-80698-4	320-80692-1	320-80692-2	320-80698-5
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ	<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	<2.0 UJ	<2.0 UJ	<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	<2.0 UJ	<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 A2-2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	WC-1	EB	EB
Field Sample ID	CAP1021-WC-1-24-102021	CAP1021-EQBLK-IS-101921	CAP1021-EQBLK-PP-101921
Sample Date	10/20/2021	10/19/2021	10/19/2021
QA/QC		Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-80698-1 / 320-80698-2	320-80696-1 / 320-80696-2	320-80696-1 / 320-80696-2
Lab Sample ID	320-80698-2	320-80696-1	320-80696-2
537 Mod (ng/L)			
Perfluorobutanoic Acid	**8.1 J**	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**3.9 J**	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**10 J**	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**8.1 J**	<2.0 UJ	<2.0 UJ

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

SDG - Sample Delivery Group

< - Analyte not detected above associated reporting limit.

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

Pathway / Location	October 2021			November 2021			December 2021		
	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)
Upstream River Water and Groundwater[2]	10/19/2021	927	416,068	11/09/2021	935	419,658	12/14/2021	1,170	525,134
Willis Creek	10/20/2021	6.7	2,999	11/10/2021	6.4	2,879	12/15/2021	6.9	3,116
Outfall 002	10/20/2021	6.4	2,855	11/11/2021	5.5	2,454	12/15/2021	6.9	3,101
Stormwater Treatment System[3]	--	--	--	--	--	--	--	--	--
Seep A[4]	10/20/2021	0.19	87	11/12/2021	0.19	87	12/15/2021	0.19	87
Seep B	10/20/2021	0.15	69	11/12/2021	0.28	124	12/15/2021	0.27	120
Seep C	10/20/2021	0.056	25	11/12/2021	0.067	30	12/15/2021	0.11	49
Seep D	10/20/2021	0.21	94	11/12/2021	0.49	220	12/14/2021	0.18	80
Lock and Dam Seep	10/19/2021	0.019	8.7	11/09/2021	0.018	7.9	12/16/2021	0.014	6.1
Lock and Dam Seep North	10/19/2021	4.0E-03	1.8	11/09/2021	1.4E-03	0.63	12/16/2021	2.3E-03	1.0
Old Outfall 002	10/20/2021	1.4	642	11/09/2021	1.3	601	12/14/2021	0.53	237
Georgia Branch Creek	10/19/2021	4.1	1,829	11/09/2021	4.0	1,797	12/14/2021	3.8	1,704
CFR-TARHEEL[5]	10/21/2021	912	392,207	11/11/2021	919	395,443	12/16/2021	1,067	443,921
CFR-TARHEEL[6]	10/20/2021	927	416,068	11/10/2021	935	419,658	12/15/2021	1,100	493,716
CFR-BLADEN[7]	10/20/2021	908	407,540	11/10/2021	916	411,131	12/15/2021	1,080	484,739
CFR-KINGS[8]	10/26/2021	1,040	466,786	11/17/2021	1,100	493,716	12/20/2021	1,340	601,436

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 October, November, or December 2021 sampling events, therefore a sample was not collected and flow was not measured at this location for those months.

4 - In October, November, and December 2021, 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 Q4 2020 (Geosyntec, 2021b).

5 - 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 October 20-21, 2021; the composite sample between November 10-11, 2021; the composite sample on December 15-16, 2021.

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 grab sample collection.

7 - 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.

8 - 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	10/20/2021	8.1	7.2	-5.5	8.7	295	21.6
CFR-KINGS	10/26/2021	7.3	6.7	125	11	101	23.4
CFR-TARHEEL	10/20/2021	7.6	7.0	52	11	266	23.3
GBC-1	10/19/2021	4.7	6.8	217	4.6	0.35	24.7
LOCK-DAM-NORTH	10/19/2021	6.2	4.3	148	21	196	24.4
LOCK-DAM-SEEP	10/19/2021	6.4	5.5	157	24	152	18.4
OLDOF-1	10/20/2021	6.9	8.0	128	14	159	22.2
OUTFALL 002	10/20/2021	6.6	7.5	215	25	213	26.8
INTAKE AT FACILITY	10/20/2021	7.2	7.3	365	18	119	26.0
CFR-RM-76	10/19/2021	7.5	6.8	99	10	105	24.2
SEEP-A-EFF	10/20/2021	6.9	3.7	8	1.9	248	17.1
SEEP-B-EFF	10/20/2021	5.6	2.3	203	4.6	91	23.0
SEEP-C-EFF	10/20/2021	7.4	3.9	116	2	116	23.1
SEEP-D-EFF	10/20/2021	6.8	2.4	239	0.79	101	22.5
WC-1	10/20/2021	7.9	0.71	-25	4.4	709	16.8
CFR-BLADEN	11/10/2021	7.3	10	146	1.3	168	19.4
CFR-KINGS	11/17/2021	8.3	7.5	-25	2.5	444	23.4
CFR-RM-76	11/9/2021	7.3	8.6	294	58	168	18.8
CFR-TARHEEL	11/10/2021	7.4	9.4	155	1.5	173	17.3
GBC-1	11/9/2021	4.5	8.9	305	0.0	109	16.1
LOCK-DAM-NORTH	11/9/2021	5.8	6.9	191	1.8	123	20.1
LOCK-DAM-SEEP	11/9/2021	5.8	8.0	171	20	134	15.8
OLDOF-1	11/10/2021	6.4	8.0	114	3.8	166	19.1
OUTFALL 002	11/11/2021	7.7	9.3	24	7.3	305	24.1
INTAKE AT FACILITY	11/10/2021	7.0	8.4	561	4.7	135	21.7
SEEP-A-EFF	11/10/2021	4.9	3.8	284	1.6	119	19.3
SEEP-B-EFF	11/10/2021	5.7	3.8	231	0.92	86	22.1

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)
SEEP-C-EFF	11/10/2021	6.5	3.4	66	34	64	18.8
SEEP-D-EFF	11/10/2021	8.0	3.7	114	3.0	87	19.1
WC-1	11/10/2021	6.4	8.7	-211	3.4	62	19.9
CFR-BLADEN	12/15/2021	7.0	11	169	5.7	144	11.8
CFR-KINGS	12/20/2021	7.2	9.3	156	0.48	130	11.7
CFR-RM-76	12/14/2021	7.7	9.3	454	14	134	14.1
CFR-TARHEEL	12/15/2021	7.1	10	178	5.1	150	11.1
GBC-1	12/14/2021	4.2	10	372	3.4	119	13.1
LOCK-DAM-NORTH	12/16/2021	6.0	5.7	13	34	114	17.2
LOCK-DAM-SEEP	12/16/2021	8.5	8.8	61	9.3	141	14.1
OLDOF-1	12/15/2021	6.0	12	138	1.9	189	15.6
OUTFALL 002	12/15/2021	7.4	9.9	96	7.5	132	22.6
INTAKE AT FACILITY	12/15/2021	7.1	8.6	150	0.41	195	18.6
SEEP-A-EFF	12/15/2021	6.8	4.2	100	0.41	117	13.9
SEEP-B-EFF	12/15/2021	6.7	3.5	161	1.1	159	16.3
SEEP-C-EFF	12/15/2021	6.5	5.2	153	29	164	15.6
SEEP-D-EFF	12/15/2021	6.3	3.2	157	0.53	130	15.2
WC-1	12/15/2021	7.2	9.2	86	2.1	106	17.7

Abbreviations:
°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	CAP1021-LTW-01-100521	CAP1021-LTW-02-100521	CAP1021-LTW-03-102521	CAP1021-LTW-04-101121
Sample Date	10/05/2021	10/05/2021	10/25/2021	10/11/2021
QA/QC				
Sample Delivery Group (SDG)	320-80083-1	320-80083-1	320-81067-1	320-80246-1
Lab Sample ID	320-80083-1	320-80083-2	320-81067-2	320-80246-1
Table 3+ SOP (ng/L)				
HFPO-DA	**40,000**	**8,700**	**10,000**	**20,000**
PFMOAA	**50,000**	**28,000**	**93,000**	**54,000**
PFO2HxA	**44,000**	**15,000**	**31,000**	**22,000**
PFO3OA	**9,200**	**3,200**	**5,400**	**4,000**
PFO4DA	**1,600**	**240**	**170**	**460**
PFO5DA	**220**	<78	<78	<78
PMPA	**31,000**	**5,900**	**11,000**	**15,000**
PEPA	**11,000**	**1,800**	**2,400**	**5,400**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**400**	<6.1	<6.1	**140**
R-PSDA	**1,300 J**	**330 J**	**720 J**	**1,400 J**
Hydrolyzed PSDA	**850 J**	**860 J**	**3,600 J**	**2,800 J**
R-PSDCA	<17	<17	<17	<17
NVHOS	**660**	**370**	**1,100**	**1,200**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**180**	**48**	**41**	**460**
R-EVE	**790 J**	**250 J**	**370 J**	**1,400 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**36**	**12**	**21**	**60**
Total Attachment C[2,3]	**190,000**	**63,000**	**150,000**	**120,000**
Total Table 3+ (17 compounds)[3,4]	**190,000**	**63,000**	**150,000**	**120,000**
Total Table 3+ (20 compounds)[3]	**190,000**	**65,000**	**160,000**	**130,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	**LTW-05**	**PIW-1D**	**PIW-1S**	**PIW-3D**
Field Sample ID	**CAP1021-LTW-05-101221**	**CAP1021-PIW-1D-101121**	**CAP1021-PIW-1S-101121**	**CAP1021-PIW-3D-101121**
Sample Date	**10/12/2021**	**10/11/2021**	**10/11/2021**	**10/11/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-80339-1**	**320-80246-1**	**320-80339-1**	**320-80246-1**
Lab Sample ID	**320-80339-1**	**320-80246-5**	**320-80339-3**	**320-80246-4**
Table 3+ SOP (ng/L)				
HFPO-DA	**15,000**	**10,000**	**15,000**	**11,000**
PFMOAA	**120,000**	**11,000**	**2,000**	**3,600**
PFO2HxA	**38,000**	**8,000**	**11,000**	**7,000**
PFO3OA	**12,000**	**1,500**	**1,700**	**1,300**
PFO4DA	**2,400**	**290**	**600**	**580**
PFO5DA	<78	<78	**140**	<78
PMPA	**3,400**	**7,500**	**13,000**	**7,300**
PEPA	**430**	**2,300**	**5,400**	**2,600**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**240**	**63**	**230**	**130**
R-PSDA	**480 J**	**250 J**	**800 J**	**300 J**
Hydrolyzed PSDA	**910 J**	<38	<38	<38
R-PSDCA	**23**	<17	<17	<17
NVHOS	**1,100**	**140**	**61**	**74**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**880**	**31**	**45**	**40**
R-EVE	**500 J**	**160 J**	**510 J**	**180 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**280**	**14**	**24**	**27**
Total Attachment C[2,3]	**190,000**	**41,000**	**49,000**	**34,000**
Total Table 3+ (17 compounds)[3,4]	**190,000**	**41,000**	**49,000**	**34,000**
Total Table 3+ (20 compounds)[3]	**200,000**	**41,000**	**50,000**	**34,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer
Location ID	**PIW-7D**	**PIW-7S**	**PW-04**	**PW-06**
Field Sample ID	**CAP1021-PIW-7D-101121**	**CAP1021-PIW-7S-101121**	**CAP1021-PW-04-101321**	**CAP1021-PW-06-101221**
Sample Date	**10/11/2021**	**10/11/2021**	**10/13/2021**	**10/12/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-80246-1**	**320-80246-1**	**320-80480-1**	**320-80339-1**
Lab Sample ID	**320-80246-2**	**320-80246-3**	**320-80480-1**	**320-80339-2**
Table 3+ SOP (ng/L)				
HFPO-DA	**12,000**	**10,000**	**490**	**1,600**
PFMOAA	**100,000**	**14,000**	**350**	**380**
PFO2HxA	**28,000**	**8,300**	**520**	**970**
PFO3OA	**3,900**	**2,500**	**230**	**120**
PFO4DA	**890**	**230**	**110**	**91**
PFO5DA	<78	<78	<78	<78
PMPA	**3,200**	**5,900**	<620	**1,300**
PEPA	**510**	**2,000**	**200**	**600**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**100**	**180**	**90**	**55**
R-PSDA	**390 J**	**620 J**	<71	<71
Hydrolyzed PSDA	**650 J**	**53 J**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**890**	**450**	<15	**28**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**310**	**270**	<14	<14
R-EVE	**420 J**	**680 J**	<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	**89**	**35**	**4.3**	**6.3**
Total Attachment C[2,3]	**150,000**	**43,000**	**2,000**	**5,100**
Total Table 3+ (17 compounds)[3,4]	**150,000**	**44,000**	**2,000**	**5,100**
Total Table 3+ (20 compounds)[3]	**150,000**	**45,000**	**2,000**	**5,100**

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	**PW-07**	**PW-09**	**PW-09**	**PZ-22**
Field Sample ID	**CAP1021-PW-07-102521**	**CAP1021-PW-09-102721**	**CAP1021-PW-09-102721-Z**	**CAP1021-PZ-22-101121**
Sample Date	**10/25/2021**	**10/27/2021**	**10/27/2021**	**10/11/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-81067-1**	**320-81067-1**	**320-81067-1**	**320-80246-1**
Lab Sample ID	**320-81067-3**	**320-81067-5**	**320-81067-6**	**320-80246-6**
Table 3+ SOP (ng/L)				
HFPO-DA	**680**	<81	<81	**11,000**
PFMOAA	**230**	<80	<80	**140,000**
PFO2HxA	**750**	<27	<27	**35,000**
PFO3OA	<39	<39	<39	**3,200**
PFO4DA	**85**	<59	<59	**170**
PFO5DA	<78	<78	<78	<78
PMPA	**1,000**	<620	<620	**3,800**
PEPA	**310**	<20	<20	**950**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	<6.1	<6.1	<6.1	<6.1
R-PSDA	<71	<71	<71	**330 J**
Hydrolyzed PSDA	<38	<38	<38	**520 J**
R-PSDCA	<17	<17	<17	<17
NVHOS	<15	<15	<15	**1,000**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	<14	<14	<14	**58**
R-EVE	<72	<72	<72	**270 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**3.8**	<2.0	<2.0	**20**
Total Attachment C[2,3]	**3,100**	ND	ND	**190,000**
Total Table 3+ (17 compounds)[3,4]	**3,100**	ND	ND	**200,000**
Total Table 3+ (20 compounds)[3]	**3,100**	ND	ND	**200,000**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	SMW-10	SMW-10	SMW-11	SMW-12
Field Sample ID	CAP1021-SMW-10-102521	CAP1021-SMW-10-102521-D	CAP1021-SMW-11-102721	CAP1021-SMW-12-102521
Sample Date	10/25/2021	10/25/2021	10/27/2021	10/25/2021
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-81070-1	320-81070-1	320-81067-1	320-81067-1
Lab Sample ID	320-81070-1	320-81070-2	320-81067-4	320-81067-1
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	<2.0	**3,500**	**1,500**
PFMOAA	**60**	**66**	**3,200**	**3,600**
PFO2HxA	**4.4**	**4.8**	**2,700**	**1,700**
PFO3OA	<2.0	<2.0	**460**	**120**
PFO4DA	<2.0	<2.0	**230**	<59
PFO5DA	<2.0	<2.0	<78	<78
PMPA	**11**	**15**	**1,800**	**1,700**
PEPA	<20	<20	**660**	**410**
PS Acid	<2.0	<2.0	<20	<20
Hydro-PS Acid	<2.0	<2.0	**66**	<6.1
R-PSDA	<2.0	<2.0	<71	<71
Hydrolyzed PSDA	<2.0	<2.0	<38	<38
R-PSDCA	<2.0	<2.0	<17	<17
NVHOS	<2.0	<2.0	**100**	**81**
EVE Acid	<2.0	<2.0	<17	<17
Hydro-EVE Acid	<2.0	<2.0	<14	<14
R-EVE	<2.0	<2.0	<72	<72
PES	<2.0	<2.0	<6.7	<6.7
PFECA B	<2.0	<2.0	<27	<27
PFECA-G	<2.0	<2.0	<48	<48
Perfluoroheptanoic Acid	<2.0	<2.0	**12**	<2.0
Total Attachment C[2,3]	**75**	**86**	**13,000**	**9,000**
Total Table 3+ (17 compounds)[3,4]	**75**	**86**	**13,000**	**9,100**
Total Table 3+ (20 compounds)[3]	**75**	**86**	**13,000**	**9,100**

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

Water Bearing Unit[1]	--	--	--	Floodplain Deposits
Location ID	EB	EB	EB	LTW-01
Field Sample ID	CAP1021-EQBLK-PP-101221	CAP1021-EQBLK-PP-101221-Z	CAP1021-EQBLK-DV-102721	CAP1121-LTW-01-110421
Sample Date	10/12/2021	10/12/2021	10/27/2021	11/04/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	
Sample Delivery Group (SDG)	320-80339-1	320-80339-1	320-81070-1	320-81552-1
Lab Sample ID	320-80339-4	320-80339-5	320-81070-3	320-81552-2
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	<2.0	<2.0	**20,000**
PFMOAA	<2.0	<2.0	<2.0	**20,000**
PFO2HxA	<2.0	<2.0	<2.0	**21,000**
PFO3OA	<2.0	<2.0	<2.0	**4,500**
PFO4DA	<2.0	<2.0	<2.0	**930**
PFO5DA	<2.0	<2.0	<2.0	**190**
PMPA	<10	<10	<10	**15,000**
PEPA	<20	<20	<20	**5,300**
PS Acid	<2.0	<2.0	<2.0	<20
Hydro-PS Acid	<2.0	<2.0	<2.0	**290**
R-PSDA	<2.0	<2.0	<2.0	**930 J**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	**400 J**
R-PSDCA	<2.0	<2.0	<2.0	<17
NVHOS	<2.0	<2.0	<2.0	**330**
EVE Acid	<2.0	<2.0	<2.0	<17
Hydro-EVE Acid	<2.0	<2.0	<2.0	**100**
R-EVE	<2.0	<2.0	<2.0	**570 J**
PES	<2.0	<2.0	<2.0	<6.7
PFECA B	<2.0	<2.0	<2.0	<27
PFECA-G	<2.0	<2.0	<2.0	<48
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	**39**
Total Attachment C[2,3]	ND	ND	ND	**87,000**
Total Table 3+ (17 compounds)[3,4]	ND	ND	ND	**88,000**
Total Table 3+ (20 compounds)[3]	ND	ND	ND	**90,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer
Location ID	**LTW-02**	**LTW-03**	**LTW-04**	**LTW-05**
Field Sample ID	**CAP1121-LTW-02-112921**	**CAP1121-LTW-03-110321**	**CAP1121-LTW-04-111821**	**CAP1121-LTW-05-111721**
Sample Date	**11/29/2021**	**11/03/2021**	**11/18/2021**	**11/17/2021**
QA/QC				
Sample Delivery Group (SDG)	**320-82288-1**	**320-81362-1**	**320-82223-1**	**320-81994-1**
Lab Sample ID	**320-82288-5**	**320-81362-3**	**320-82223-1**	**320-81994-4**
Table 3+ SOP (ng/L)				
HFPO-DA	**6,600**	**9,700**	**21,000**	**14,000**
PFMOAA	**18,000**	**97,000**	**55,000**	**110,000**
PFO2HxA	**10,000**	**28,000**	**23,000**	**32,000**
PFO3OA	**2,100**	**4,800**	**4,700**	**9,300**
PFO4DA	**170**	**140**	**480**	**1,900**
PFO5DA	<78	<78	<78	<78
PMPA	**3,700**	**9,100**	**15,000**	**3,100**
PEPA	**1,500**	**2,600**	**6,500**	**420**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	<6.1	<6.1	**150**	**190**
R-PSDA	<71	<71	**1,700 J**	**440 J**
Hydrolyzed PSDA	**610 J**	**2,700 J**	**3,600 J**	**770 J**
R-PSDCA	<17	<17	<17	**20**
NVHOS	**240**	**840**	**1,200**	**870**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**36**	<14	**480**	**680**
R-EVE	**320 J**	<72	**2,100 J**	**610 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**9.1**	**20**	**61**	**250**
Total Attachment C[2,3]	**42,000**	**150,000**	**130,000**	**170,000**
Total Table 3+ (17 compounds)[3,4]	**42,000**	**150,000**	**130,000**	**170,000**
Total Table 3+ (20 compounds)[3]	**43,000**	**150,000**	**130,000**	**170,000**

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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	PIW-1D	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP1121-PIW-1D-111621	CAP1121-PIW-3D-112921	CAP1121-PIW-7D-111721	CAP1121-PIW-7S-112321
Sample Date	11/16/2021	11/29/2021	11/17/2021	11/23/2021
QA/QC				
Sample Delivery Group (SDG)	320-81993-1	320-82288-1	320-81994-1	320-82288-1
Lab Sample ID	320-81993-2	320-82288-4	320-81994-1	320-82288-3
Table 3+ SOP (ng/L)				
HFPO-DA	**10,000**	**10,000**	**12,000**	**9,900**
PFMOAA	**9,500**	**4,300**	**99,000**	**10,000**
PFO2HxA	**7,800**	**7,500**	**31,000**	**7,200**
PFO3OA	**1,500**	**1,500**	**4,100**	**2,800**
PFO4DA	**300**	**610**	**990**	**340**
PFO5DA	<78	**120**	<78	<78
PMPA	**7,300**	**7,200**	**3,100**	**6,100**
PEPA	**2,500**	**3,000**	**580**	**2,900**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**65**	**140**	**100**	**190**
R-PSDA	**300 J**	**460 J**	**360 J**	**740 J**
Hydrolyzed PSDA	<38	<38	**700 J**	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**140**	**110**	**840**	**450**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	<14	**52**	**330**	**320**
R-EVE	**220 J**	**290 J**	**550 J**	**1,100 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**14**	**24**	**77**	**41**
Total Attachment C[2,3]	**39,000**	**34,000**	**150,000**	**39,000**
Total Table 3+ (17 compounds)[3,4]	**39,000**	**35,000**	**150,000**	**40,000**
Total Table 3+ (20 compounds)[3]	**40,000**	**35,000**	**150,000**	**42,000**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PW-04	PW-06	PW-07	PW-09
Field Sample ID	CAP1121-PW-04-110421	CAP1121-PW-06-111221	CAP1121-PW-07-112321	CAP1121-PW-09-111621
Sample Date	11/04/2021	11/12/2021	11/23/2021	11/16/2021
QA/QC				
Sample Delivery Group (SDG)	320-81552-1	320-81993-1	320-82288-1	320-81993-1
Lab Sample ID	320-81552-1	320-81993-1	320-82288-2	320-81993-4
Table 3+ SOP (ng/L)				
HFPO-DA	**890**	**1,600**	**560**	<81
PFMOAA	**270**	**290**	**340**	<80
PFO2HxA	**670**	**810**	**620**	<27
PFO3OA	**310**	<39	<39	<39
PFO4DA	**110**	**100**	**66**	<59
PFO5DA	<78	<78	<78	<78
PMPA	**730**	**1,200**	**1,100**	<620
PEPA	**290**	**490**	**230**	<20
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**81**	<6.1	<6.1	<6.1
R-PSDA	<71	<71	<71	<71
Hydrolyzed PSDA	<38	<38	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	<15	<15	<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	**6.3**	**5.4**	**3.4**	<2.0
Total Attachment C[2,3]	**3,400**	**4,500**	**2,900**	ND
Total Table 3+ (17 compounds)[3,4]	**3,400**	**4,500**	**2,900**	ND
Total Table 3+ (20 compounds)[3]	**3,400**	**4,500**	**2,900**	ND

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GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	**PW-09**	**PZ-22**	**SMW-10**	**SMW-10**
Field Sample ID	**CAP1121-PW-09-111621-Z**	**CAP1121-PZ-22-111821**	**CAP1121-SMW-10-110321**	**CAP1121-SMW-10-110321-D**
Sample Date	**11/16/2021**	**11/18/2021**	**11/03/2021**	**11/03/2021**
QA/QC				**Field Duplicate**
Sample Delivery Group (SDG)	**320-81993-1**	**320-82223-1**	**320-81362-1**	**320-81362-1**
Lab Sample ID	**320-81993-5**	**320-82223-2**	**320-81362-1**	**320-81362-2**
Table 3+ SOP (ng/L)				
HFPO-DA	<81	**11,000**	**2.1**	**2.0**
PFMOAA	<80	**120,000**	**53**	**61**
PFO2HxA	<27	**32,000**	**4.9**	**4.8**
PFO3OA	<39	**3,000**	<2.0	<2.0
PFO4DA	<59	**160**	<2.0	<2.0
PFO5DA	<78	<78	<2.0	<2.0
PMPA	<620	**3,700**	**12**	**11**
PEPA	<20	**820**	<20	<20
PS Acid	<20	<20	<2.0	<2.0
Hydro-PS Acid	<6.1	<6.1	<2.0	<2.0
R-PSDA	<71	**450 J**	<2.0	<2.0
Hydrolyzed PSDA	<38	**550 J**	<2.0	<2.0
R-PSDCA	<17	<17	<2.0	<2.0
NVHOS	<15	**880**	<2.0	<2.0
EVE Acid	<17	<17	<2.0	<2.0
Hydro-EVE Acid	<14	**42**	<2.0	<2.0
R-EVE	<72	**400 J**	<2.0	<2.0
PES	<6.7	<6.7	<2.0	<2.0
PFECA B	<27	<27	<2.0	<2.0
PFECA-G	<48	<48	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**15**	<2.0	<2.0
Total Attachment C[2,3]	ND	**170,000**	**72**	**79**
Total Table 3+ (17 compounds)[3,4]	ND	**170,000**	**72**	**79**
Total Table 3+ (20 compounds)[3]	ND	**170,000**	**72**	**79**

TABLE A5-1
GROUNDWATER ANALYTICAL RESULTS
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Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	--	--
Location ID	SMW-11	SMW-12	EB	EB
Field Sample ID	CAP1121-SMW-11-111621	CAP1121-SMW-12-112221	CAP1121-EQBLK-PP-110321	CAP1121-EQBLK-DV-111621
Sample Date	11/16/2021	11/22/2021	11/03/2021	11/16/2021
QA/QC			Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-81993-1	320-82288-1	320-81362-1	320-81994-1
Lab Sample ID	320-81993-3	320-82288-1	320-81362-4	320-81994-2
Table 3+ SOP (ng/L)				
HFPO-DA	**4,000**	**1,500**	<2.0	<2.0
PFMOAA	**3,300**	**3,700**	<2.0	<2.0
PFO2HxA	**2,600**	**1,500**	<2.0	<2.0
PFO3OA	**480**	<39	<2.0	<2.0
PFO4DA	**230**	<59	<2.0	<2.0
PFO5DA	<78	<78	<2.0	<2.0
PMPA	**1,900**	**2,100**	<10	<10
PEPA	**620**	**440**	<20	<20
PS Acid	<20	<20	<2.0	<2.0
Hydro-PS Acid	**57**	<6.1	<2.0	<2.0
R-PSDA	<71	<71	<2.0	<2.0
Hydrolyzed PSDA	<38	<38	<2.0	<2.0
R-PSDCA	<17	<17	<2.0	<2.0
NVHOS	**90**	**62**	<2.0	<2.0
EVE Acid	<17	<17	<2.0	<2.0
Hydro-EVE Acid	<14	<14	<2.0	<2.0
R-EVE	<72	<72	<2.0	<2.0
PES	<6.7	<6.7	<2.0	<2.0
PFECA B	<27	<27	<2.0	<2.0
PFECA-G	<48	<48	<2.0	<2.0
Perfluoroheptanoic Acid	**12**	<2.0	<2.0	<2.0
Total Attachment C[2,3]	**13,000**	**9,200**	ND	ND
Total Table 3+ (17 compounds)[3,4]	**13,000**	**9,300**	ND	ND
Total Table 3+ (20 compounds)[3]	**13,000**	**9,300**	ND	ND

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

Water Bearing Unit[1]	--	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits
Location ID	EB	LTW-01	LTW-02	LTW-03
Field Sample ID	CAP1121-EQBLK-PP-111621-Z	CAP1221-LTW-01-122821	CAP1221-LTW-02-122821	CAP1221-LTW-03-120821
Sample Date	11/16/2021	12/28/2021	12/28/2021	12/08/2021
QA/QC	Equipment Blank			
Sample Delivery Group (SDG)	320-81994-1	320-83493-1	320-83493-1	320-83090-1
Lab Sample ID	320-81994-3	320-83493-1	320-83493-2	320-83090-1
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	**20,000**	**7,000**	**8,100 J**
PFMOAA	<2.0	**21,000**	**15,000**	**84,000 J**
PFO2HxA	<2.0	**23,000**	**9,500**	**29,000 J**
PFO3OA	<2.0	**4,800**	**2,000**	**5,400 J**
PFO4DA	<2.0	**1,200**	<59	<200 UJ
PFO5DA	<2.0	**210**	<78	<200 UJ
PMPA	<10	**17,000**	**4,000**	**9,600 J**
PEPA	<20	**6,000**	**1,200**	**2,600 J**
PS Acid	<2.0	<20	<20	<200 UJ
Hydro-PS Acid	<2.0	**290**	<6.1	<200 UJ
R-PSDA	<2.0	**720 J**	**170 J**	**860 J**
Hydrolyzed PSDA	<2.0	**280 J**	**380 J**	**7,500 J**
R-PSDCA	<2.0	<17	<17	<200 UJ
NVHOS	<2.0	**350**	**260**	**1,200 J**
EVE Acid	<2.0	<17	<17	<200 UJ
Hydro-EVE Acid	<2.0	**120**	**31**	<200 UJ
R-EVE	<2.0	**450 J**	**100 J**	**520 J**
PES	<2.0	<6.7	<6.7	<200 UJ
PFECA B	<2.0	<27	<27	<200 UJ
PFECA-G	<2.0	<48	<48	<200 UJ
Perfluoroheptanoic Acid	<2.0	**94**	<94	<200 UJ
Total Attachment C[2,3]	ND	**94,000**	**39,000**	**140,000**
Total Table 3+ (17 compounds)[3,4]	ND	**94,000**	**39,000**	**140,000**
Total Table 3+ (20 compounds)[3]	ND	**95,000**	**40,000**	**150,000**

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-04	LTW-05	PIW-1D	PIW-3D
Field Sample ID	CAP1221-LTW-04-120621	CAP1221-LTW-05-122221	CAP1221-PIW-1D-122721	CAP1221-PIW-3D-122121
Sample Date	12/06/2021	12/22/2021	12/27/2021	12/21/2021
QA/QC				
Sample Delivery Group (SDG)	320-82724-1	320-83492-1	320-83492-1	320-83492-1
Lab Sample ID	320-82724-3	320-83492-4	320-83492-5	320-83492-2
Table 3+ SOP (ng/L)				
HFPO-DA	**22,000 J**	**14,000**	**9,900**	**12,000**
PFMOAA	**42,000 J**	**110,000**	**6,400**	**3,200**
PFO2HxA	**21,000 J**	**34,000**	**6,300**	**6,700**
PFO3OA	**4,700 J**	**8,000**	**1,100**	**1,100**
PFO4DA	**560 J**	**2,100**	**330**	**580**
PFO5DA	<200 UJ	<78	<78	**100**
PMPA	**13,000 J**	**4,000**	**6,600**	**6,800**
PEPA	**6,100 J**	**450**	**2,000**	**2,300**
PS Acid	<200 UJ	<20	<20	<20
Hydro-PS Acid	<200 UJ	**190**	**62**	**120**
R-PSDA	**2,500 J**	**260 J**	**220 J**	**180 J**
Hydrolyzed PSDA	**6,500 J**	**490 J**	<38	<38
R-PSDCA	<200 UJ	**19**	<17	<17
NVHOS	**1,200 J**	**840**	**150**	**110**
EVE Acid	<200 UJ	<17	<17	<17
Hydro-EVE Acid	**490 J**	**790**	**26**	**39**
R-EVE	**2,900 J**	**350 J**	<72	**76 J**
PES	<200 UJ	**7.0**	<6.7	<6.7
PFECA B	<200 UJ	<27	<27	<27
PFECA-G	<200 UJ	<48	<48	<48
Perfluoroheptanoic Acid	<200 UJ	**320**	<94	<94
Total Attachment C[2,3]	**110,000**	**170,000**	**33,000**	**33,000**
Total Table 3+ (17 compounds)[3,4]	**110,000**	**170,000**	**33,000**	**33,000**
Total Table 3+ (20 compounds)[3]	**120,000**	**180,000**	**33,000**	**33,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7D	PIW-7S	PW-04	PW-04
Field Sample ID	CAP1221-PIW-7D-120621	CAP1221-PIW-7S-120621	CAP1221-PW-04-122821	CAP1221-PW-04-122821-Z
Sample Date	12/06/2021	12/06/2021	12/28/2021	12/28/2021
QA/QC				
Sample Delivery Group (SDG)	320-82749-1	320-82749-1	320-83493-1	320-83493-1
Lab Sample ID	320-82749-2	320-82749-3	320-83493-3	320-83493-4
Table 3+ SOP (ng/L)				
HFPO-DA	**14,000**	**14,000**	**970**	**1,100**
PFMOAA	**100,000**	**12,000**	**250**	**240**
PFO2HxA	**30,000**	**8,900**	**970**	**1,000**
PFO3OA	**4,900**	**3,500**	**330**	**470**
PFO4DA	**1,100**	**450**	<59	<59
PFO5DA	<78	<78	<78	<78
PMPA	**3,200**	**7,100**	**1,100**	**1,300**
PEPA	**610**	**3,200**	**360**	**440**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**100**	**300**	**40**	<6.1
R-PSDA	**490 J**	**1,000 J**	<71	<71
Hydrolyzed PSDA	**660 J**	**54 J**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**850**	**560**	**37**	**44**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**340**	**470**	<14	<14
R-EVE	**600 J**	**1,300 J**	<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	**130**	<94	<94	<94
Total Attachment C[2,3]	**150,000**	**49,000**	**4,000**	**4,600**
Total Table 3+ (17 compounds)[3,4]	**160,000**	**50,000**	**4,100**	**4,600**
Total Table 3+ (20 compounds)[3]	**160,000**	**53,000**	**4,100**	**4,600**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-06	PW-07	PW-09	PW-09
Field Sample ID	CAP1221-PW-06-120621	CAP1221-PW-07-120821	CAP1221-PW-09-121621	CAP1221-PW-09-121621-Z
Sample Date	12/06/2021	12/08/2021	12/16/2021	12/16/2021
QA/QC				
Sample Delivery Group (SDG)	320-82749-1	320-83090-1	320-83090-1	320-83090-1
Lab Sample ID	320-82749-1	320-83090-2	320-83090-3	320-83090-4
Table 3+ SOP (ng/L)				
HFPO-DA	**1,600**	**620 J**	<2.0 UJ	<2.0 UJ
PFMOAA	**200**	**140 J**	<2.0 UJ	<2.0 UJ
PFO2HxA	**760**	**480 J**	<2.0 UJ	<2.0 UJ
PFO3OA	<39	**79 J**	<2.0 UJ	<2.0 UJ
PFO4DA	**77**	**60 J**	<2.0 UJ	<2.0 UJ
PFO5DA	<78	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**1,100**	**540 J**	<10 UJ	<10 UJ
PEPA	**540**	**170 J**	<20 UJ	<20 UJ
PS Acid	<20	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<6.1	**8.2 J**	<2.0 UJ	<2.0 UJ
R-PSDA	<71	**46 J**	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	<38	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDCA	<17	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	<15	<2.0 UJ	<2.0 UJ	<2.0 UJ
EVE Acid	<17	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<14	**4.5 J**	<2.0 UJ	<2.0 UJ
R-EVE	<72	**20 J**	<2.0 UJ	<2.0 UJ
PES	<6.7	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<27	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<48	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	<94	**4.1 J**	<2.0 UJ	<2.0 UJ
Total Attachment C[2,3]	**4,300**	**2,100**	ND	ND
Total Table 3+ (17 compounds)[3,4]	**4,300**	**2,100**	ND	ND
Total Table 3+ (20 compounds)[3]	**4,300**	**2,200**	ND	ND

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	**PZ-22**	**PZ-22**	**SMW-10**	**SMW-11**
Field Sample ID	**CAP1221-PZ-22-120621**	**CAP1221-PZ-22-120621-D**	**CAP1221-SMW-10-122721**	**CAP1221-SMW-11-121621**
Sample Date	**12/06/2021**	**12/06/2021**	**12/27/2021**	**12/16/2021**
QA/QC		**Field Duplicate**		
Sample Delivery Group (SDG)	**320-82724-1**	**320-82724-1**	**320-83492-1**	**320-83090-1**
Lab Sample ID	**320-82724-1**	**320-82724-2**	**320-83492-6**	**320-83090-5**
Table 3+ SOP (ng/L)				
HFPO-DA	**11,000 J**	**8,700 J**	**2.2**	**4,200 J**
PFMOAA	**99,000 J**	**98,000 J**	**55**	**3,800 J**
PFO2HxA	**32,000 J**	**31,000 J**	<2.0	**2,600 J**
PFO3OA	**3,100 J**	**3,200 J**	<2.0	**410 J**
PFO4DA	<200 UJ	<200 UJ	<2.0	**200 J**
PFO5DA	<200 UJ	<200 UJ	<2.0	**6.6 J**
PMPA	**3,200 J**	**3,200 J**	**20**	**2,100 J**
PEPA	<2,000 UJ	<2,000 UJ	<20	**630 J**
PS Acid	<200 UJ	<200 UJ	<2.0	<2.0 UJ
Hydro-PS Acid	<200 UJ	<200 UJ	<2.0	**52 J**
R-PSDA	**450 J**	**340 J**	<2.0	**180 J**
Hydrolyzed PSDA	**1,100 J**	**920 J**	<2.0	**17 J**
R-PSDCA	<200 UJ	<200 UJ	<2.0	<2.0 UJ
NVHOS	**960 J**	**750 J**	<2.0	**63 J**
EVE Acid	<200 UJ	<200 UJ	<2.0	<2.0 UJ
Hydro-EVE Acid	<200 UJ	<200 UJ	<2.0	**15 J**
R-EVE	**520 J**	**550 J**	<2.0	**140 J**
PES	<200 UJ	<200 UJ	<2.0	<2.0 UJ
PFECA B	<200 UJ	<200 UJ	<2.0	<2.0 UJ
PFECA-G	<200 UJ	<200 UJ	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	<200 UJ	<200 UJ	<2.0	**13 J**
Total Attachment C[2,3]	**150,000**	**140,000**	**77**	**14,000**
Total Table 3+ (17 compounds)[3,4]	**150,000**	**140,000**	**77**	**14,000**
Total Table 3+ (20 compounds)[3]	**150,000**	**150,000**	**77**	**14,000**

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

Water Bearing Unit[1]	**Black Creek Aquifer**	**--**	**--**
Location ID	**SMW-12**	**FBLK**	**EB**
Field Sample ID	**CAP1221-SMW-12-122121**	**CAP1221-FBLK-120621**	**CAP1221-EQBLK-PP-120621**
Sample Date	**12/21/2021**	**12/06/2021**	**12/06/2021**
QA/QC		**Field Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-83492-1**	**320-82749-1**	**320-82749-1**
Lab Sample ID	**320-83492-1**	**320-82749-4**	**320-82749-5**
Table 3+ SOP (ng/L)			
HFPO-DA	**1,600**	<2.0	<2.0
PFMOAA	**2,700**	<2.0	<2.0
PFO2HxA	**1,200**	<2.0	<2.0
PFO3OA	<39	<2.0	<2.0
PFO4DA	<59	<2.0	<2.0
PFO5DA	<78	<2.0	<2.0
PMPA	**2,300**	<10	<10
PEPA	**390**	<20	<20
PS Acid	<20	<2.0	<2.0
Hydro-PS Acid	<6.1	<2.0	<2.0
R-PSDA	<71	<2.0	<2.0
Hydrolyzed PSDA	<38	<2.0	<2.0
R-PSDCA	<17	<2.0	<2.0
NVHOS	**95**	<2.0	<2.0
EVE Acid	<17	<2.0	<2.0
Hydro-EVE Acid	<14	<2.0	<2.0
R-EVE	<72	<2.0	<2.0
PES	<6.7	<2.0	<2.0
PFECA B	<27	<2.0	<2.0
PFECA-G	<48	<2.0	<2.0
Perfluoroheptanoic Acid	<94	<2.0	<2.0
Total Attachment C[2,3]	**8,200**	ND	ND
Total Table 3+ (17 compounds)[3,4]	**8,300**	ND	ND
Total Table 3+ (20 compounds)[3]	**8,300**	ND	ND

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

Water Bearing Unit[1]	**--**	**--**
Location ID	**EB**	**EB**
Field Sample ID	**CAP1221-EQBLK-DV-122121**	**CAP1221-EQBLK-PP-122821-Z**
Sample Date	**12/21/2021**	**12/28/2021**
QA/QC	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-83492-1**	**320-83493-1**
Lab Sample ID	**320-83492-3**	**320-83493-5**
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	Surficial Aquifer	Floodplain Deposits
Location ID	LTW-01	LTW-02	LTW-03	LTW-04
Field Sample ID	CAP1021-LTW-01-100521	CAP1021-LTW-02-100521	CAP1021-LTW-03-102521	CAP1021-LTW-04-101121
Sample Date	10/05/2021	10/05/2021	10/25/2021	10/11/2021
QA/QC				
Sample Delivery Group (SDG)	320-80083-1	320-80083-1	320-81067-1	320-80246-1
Lab Sample ID	320-80083-1	320-80083-2	320-81067-2	320-80246-1
537 Mod (ng/L)				
Perfluorobutanoic Acid	**150**	**69**	**150**	**420**
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	**22**	**7.7**	**13**	**35**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**300**	**240**	**590**	**1,400**
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	**36**	<2.0	<2.0	**7.3**

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

Water Bearing Unit[1]	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-05	PIW-1D	PIW-1S	PIW-3D
Field Sample ID	CAP1021-LTW-05-101221	CAP1021-PIW-1D-101121	CAP1021-PIW-1S-101121	CAP1021-PIW-3D-101121
Sample Date	10/12/2021	10/11/2021	10/11/2021	10/11/2021
QA/QC				
Sample Delivery Group (SDG)	320-80339-1	320-80246-1	320-80339-1	320-80246-1
Lab Sample ID	320-80339-1	320-80246-5	320-80339-3	320-80246-4
537 Mod (ng/L)				
Perfluorobutanoic Acid	**190**	**57**	**83**	**63**
Perfluorodecanoic Acid	<2.0	<2.0	**2.9**	<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	**50**	**9.3**	**16**	**16**
Perfluorononanoic Acid	<2.0	<2.0	**6.5**	**4.5**
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**1,400**	**140**	**140**	**130**
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	**3.8**	**8.2**	**30**	**36**

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7D	PIW-7S	PW-04	PW-06
Field Sample ID	CAP1021-PIW-7D-101121	CAP1021-PIW-7S-101121	CAP1021-PW-04-101321	CAP1021-PW-06-101221
Sample Date	10/11/2021	10/11/2021	10/13/2021	10/12/2021
QA/QC				
Sample Delivery Group (SDG)	320-80246-1	320-80246-1	320-80480-1	320-80339-1
Lab Sample ID	320-80246-2	320-80246-3	320-80480-1	320-80339-2
537 Mod (ng/L)				
Perfluorobutanoic Acid	**150**	**110**	**5.2**	**13**
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	**27**	**18**	<2.0	**4.4**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**1,100**	**450**	**6.7**	**16**
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	**3.2**	**8.3**	**3.7**	**8.5**

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

Water Bearing Unit[1]	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PW-07	PW-09	PW-09	PZ-22
Field Sample ID	CAP1021-PW-07-102521	CAP1021-PW-09-102721	CAP1021-PW-09-102721-Z	CAP1021-PZ-22-101121
Sample Date	10/25/2021	10/27/2021	10/27/2021	10/11/2021
QA/QC				
Sample Delivery Group (SDG)	320-81067-1	320-81067-1	320-81067-1	320-80246-1
Lab Sample ID	320-81067-3	320-81067-5	320-81067-6	320-80246-6
537 Mod (ng/L)				
Perfluorobutanoic Acid	**22**	<5.0	<5.0	**120**
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	**2.9**	<2.0	<2.0	**14**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**15**	<2.0	<2.0	**830**
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	**3.3**	<2.0	<2.0	<2.0

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	SMW-10	SMW-10	SMW-11	SMW-12
Field Sample ID	CAP1021-SMW-10-102521	CAP1021-SMW-10-102521-D	CAP1021-SMW-11-102721	CAP1021-SMW-12-102521
Sample Date	10/25/2021	10/25/2021	10/27/2021	10/25/2021
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-81070-1	320-81070-1	320-81067-1	320-81067-1
Lab Sample ID	320-81070-1	320-81070-2	320-81067-4	320-81067-1
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0	<5.0	**23**	**19**
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	<2.0	<2.0	**8.4**	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0	**33**	**45**
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	<2.0	<2.0	**67**	<2.0

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

Water Bearing Unit[1]	--	--	--	Floodplain Deposits
Location ID	EB	EB	EB	LTW-01
Field Sample ID	CAP1021-EQBLK-PP-101221	CAP1021-EQBLK-PP-101221-Z	CAP1021-EQBLK-DV-102721	CAP1121-LTW-01-110421
Sample Date	10/12/2021	10/12/2021	10/27/2021	11/04/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	
Sample Delivery Group (SDG)	320-80339-1	320-80339-1	320-81070-1	320-81552-1
Lab Sample ID	320-80339-4	320-80339-5	320-81070-3	320-81552-2
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	**140**
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	<2.0	<2.0	<2.0	**18**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0	<2.0	**270**
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	<2.0	<2.0	<2.0	**37**

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

Water Bearing Unit[1]	Surficial Aquifer	Floodplain Deposits	Black Creek Aquifer	Surficial Aquifer
Location ID	LTW-02	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP1121-LTW-02-112921	CAP1121-LTW-03-110321	CAP1121-LTW-04-111821	CAP1121-LTW-05-111721
Sample Date	11/29/2021	11/03/2021	11/18/2021	11/17/2021
QA/QC				
Sample Delivery Group (SDG)	320-82288-1	320-81362-1	320-82223-1	320-81994-1
Lab Sample ID	320-82288-5	320-81362-3	320-82223-1	320-81994-4
537 Mod (ng/L)				
Perfluorobutanoic Acid	**45**	**150**	**370**	**150**
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	**6.7**	**13**	**37**	**42**
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**180**	**660**	**1,400**	**1,300**
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	<2.0	<2.0	**7.3**	**3.4**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-1D	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP1121-PIW-1D-111621	CAP1121-PIW-3D-112921	CAP1121-PIW-7D-111721	CAP1121-PIW-7S-112321
Sample Date	11/16/2021	11/29/2021	11/17/2021	11/23/2021
QA/QC				
Sample Delivery Group (SDG)	320-81993-1	320-82288-1	320-81994-1	320-82288-1
Lab Sample ID	320-81993-2	320-82288-4	320-81994-1	320-82288-3
537 Mod (ng/L)				
Perfluorobutanoic Acid	**58**	**61**	**160**	**120**
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	**9.2**	**14**	**24**	**19**
Perfluorononanoic Acid	<2.0	**3.8**	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**130**	**110**	**1,100**	**360**
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	**10**	**32**	**3.2**	**11**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PW-04	PW-06	PW-07	PW-09
Field Sample ID	CAP1121-PW-04-110421	CAP1121-PW-06-111221	CAP1121-PW-07-112321	CAP1121-PW-09-111621
Sample Date	11/04/2021	11/12/2021	11/23/2021	11/16/2021
QA/QC				
Sample Delivery Group (SDG)	320-81552-1	320-81993-1	320-82288-1	320-81993-1
Lab Sample ID	320-81552-1	320-81993-1	320-82288-2	320-81993-4
537 Mod (ng/L)				
Perfluorobutanoic Acid	**9.4**	**11**	**22**	<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	**2.4**	**4.1**	**2.7**	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**15**	**16**	**14**	<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	**2.1**	**8.1**	**2.3**	<2.0

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	PW-09	PZ-22	SMW-10	SMW-10
Field Sample ID	CAP1121-PW-09-111621-Z	CAP1121-PZ-22-111821	CAP1121-SMW-10-110321	CAP1121-SMW-10-110321-D
Sample Date	11/16/2021	11/18/2021	11/03/2021	11/03/2021
QA/QC				Field Duplicate
Sample Delivery Group (SDG)	320-81993-1	320-82223-1	320-81362-1	320-81362-1
Lab Sample ID	320-81993-5	320-82223-2	320-81362-1	320-81362-2
537 Mod (ng/L)				
Perfluorobutanoic Acid	<5.0	**100**	<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	<2.0	**13**	<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	<2.0	**890**	<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	<2.0	<2.0	<2.0	<2.0

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	CAP1121-SMW-11-111621	CAP1121-SMW-12-112221	CAP1121-EQBLK-PP-110321
Sample Date	11/16/2021	11/22/2021	11/03/2021
QA/QC			Equipment Blank
Sample Delivery Group (SDG)	320-81993-1	320-82288-1	320-81362-1
Lab Sample ID	320-81993-3	320-82288-1	320-81362-4
537 Mod (ng/L)			
Perfluorobutanoic Acid	**22**	**16**	<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	**9.6**	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**33**	**47**	<2.0
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	**71**	<2.0	<2.0

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

Water Bearing Unit[1]	**--**	**--**
Location ID	**EB**	**EB**
Field Sample ID	**CAP1121-EQBLK-DV-111621**	**CAP1121-EQBLK-PP-111621-Z**
Sample Date	**11/16/2021**	**11/16/2021**
QA/QC	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-81994-1**	**320-81994-1**
Lab Sample ID	**320-81994-2**	**320-81994-3**
537 Mod (ng/L)		
Perfluorobutanoic Acid	<5.0	<5.0
Perfluorodecanoic Acid	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0
PFOA	<2.0	<2.0

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 - Q4 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Black Creek Aquifer	BCA-01	10/4/2021	399779.96	2050662.48	91 to 101	146.25	NM	--
Onsite	Black Creek Aquifer	BCA-02	10/4/2021	396242.02	2051062.07	92 to 102	148.37	73.02	75.35
Onsite	Black Creek Aquifer	BCA-03R	10/4/2021	398582.23	2049522.22	88 to 98	150.82	48.75	102.07
Onsite	Black Creek Aquifer	BCA-04	10/4/2021	395877.665	2047823.03	94 to 104	150.31	27.33	122.98
Onsite	Black Creek Aquifer	EW-1	10/4/2021	399934.65	2051297.51	40-60	91.33	31.65	59.68
Onsite	Black Creek Aquifer	EW-2	10/4/2021	396164.48	2052232.61	40-65	77.25	32.2	45.05
Onsite	Black Creek Aquifer	EW-3	10/4/2021	395059.78	2052214.66	37-67	76.48	14.82	61.66
Onsite	Black Creek Aquifer	EW-4	10/4/2021	398581.51	2051805.58	53-73	80.64	30.22	50.42
Onsite	Black Creek Aquifer	EW-5	10/4/2021	397200.16	2052052.65	37-67	78.50	33.21	45.29
Onsite	Perched Zone	FTA-01	10/4/2021	397906.09	2049370.01	12.0-22.0	149.60	17.11	132.49
Onsite	Perched Zone	FTA-02	10/4/2021	397784.99	2049203.29	11.5-22.0	149.30	17.75	131.55
Onsite	Perched Zone	FTA-03	10/4/2021	397766.23	2049310.46	12.0-22.0	150.10	17.89	132.21
Onsite	Surficial Aquifer	INSITU-01	10/4/2021	401657.39	2046078.99	7.0-17.0	89.12	6.1	83.02
Onsite	Surficial Aquifer	INSITU-02	10/4/2021	401863.46	2049136.62	7.0-17.0	113.12	DRY	--
Onsite	Floodplain Deposits	LTW-01	10/4/2021	399565.01	2052150.62	11.0-26.0	52.71	16.51	36.2
Onsite	Black Creek Aquifer	LTW-02	10/4/2021	398847.57	2052355.48	28.0-38.0	51.39	9.28	42.11
Onsite	Floodplain Deposits	LTW-03	10/4/2021	398114.45	2052558.35	15.0-30.0	51.75	13	38.75
Onsite	Floodplain Deposits	LTW-04	10/4/2021	397279.61	2052584.95	12.0-27.0	50.66	3.14	47.52
Onsite	Black Creek Aquifer	LTW-05	10/4/2021	396430.31	2052740.4	29.0-44.0	50.94	9.4	41.54
Onsite	Perched Zone	MW-11	10/4/2021	396544.4	2049051.06	11.5-21.5	148.53	23.31	125.22
Onsite	Perched Zone	MW-12S	10/4/2021	397262.9	2049269.37	17.5-22.5	151.08	20.41	130.67
Onsite	Surficial Aquifer	MW-13D	10/4/2021	397119.015	2049821.123	57 to 67	148.65	43.66	104.99
Onsite	Surficial Aquifer	MW-14D	10/4/2021	396974.485	2049074.561	62 to 72	149.73	39	110.73
Onsite	Surficial Aquifer	MW-15DRR	10/4/2021	398580.71	2049511.75	52.5 to 62.5	150.92	46.81	104.11
Onsite	Surficial Aquifer	MW-16D	10/4/2021	398493.703	2048402.838	72 to 82	148.41	34.46	113.95
Onsite	Surficial Aquifer	MW-17D	10/4/2021	398401.741	2047366.496	57 to 67	146.12	27.62	118.497
Onsite	Surficial Aquifer	MW-18D	10/4/2021	400947.3	2046574.35	50 to 60	108.10	19.53	88.57
Onsite	Surficial Aquifer	MW-19D	10/4/2021	401151.43	2048272.93	46 to 56	139.36	50.36	89
Onsite	Perched Zone	MW-1S	10/4/2021	397080.69	2049117.99	21.0-24.0	148.88	19.16	129.72
Onsite	Surficial Aquifer	MW-20D	10/4/2021	400791.01	2048733.71	65 to 75	137.20	46.67	90.53
Onsite	Surficial Aquifer	MW-21D	10/4/2021	399501.88	2047074.92	72 to 82	151.42	44.55	106.87
Onsite	Surficial Aquifer	MW-22D	10/4/2021	398518.4	2048362.48	52 to 72	149.09	34.34	114.75
Onsite	Perched Zone	MW-23	10/4/2021	396237.61	2051063.25	9.5 to 14.5	148.34	14.38	133.96
Onsite	Perched Zone	MW-24	10/4/2021	397303.94	2048767.69	18.8 to 23.8	150.31	22.09	128.22
Onsite	Perched Zone	MW-25	10/4/2021	396753.37	2050989.82	12 to 17	147.59	14.24	133.35
Onsite	Perched Zone	MW-26	10/4/2021	396265.18	2051484.67	5 to 10	147.70	12.63	135.07
Onsite	Perched Zone	MW-27	10/4/2021	396010.33	2051472	10 to 15	146.83	15.14	131.69
Onsite	Perched Zone	MW-28	10/4/2021	395719.79	2051165.93	9 to 14	144.70	14.34	130.36
Onsite	Perched Zone	MW-30	10/4/2021	397340.79	2050776.09	10 to 15	147.67	14.52	133.15
Onsite	Perched Zone	MW-31	10/4/2021	396390.698	2049622.884	17-22	147.70	15.83	131.869
Onsite	Perched Zone	MW-32	10/4/2021	396359.577	2049651.789	13-18.5	147.11	14.81	132.296
Onsite	Perched Zone	MW-33	10/4/2021	396337.507	2049678.558	12-17	146.82	14.31	132.51

TABLE A6
GROUNDWATER ELEVATIONS - Q4 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Perched Zone	MW-34	10/4/2021	396352.902	2049619.086	17-22	147.97	15.82	132.152
Onsite	Perched Zone	MW-35	10/4/2021	396332.943	2049631.155	14-19	147.54	15.32	132.221
Onsite	Perched Zone	MW-36	10/4/2021	396320.088	2049651.174	12-17	147.89	16.61	131.279
Onsite	Perched Zone	MW-7S	10/4/2021	397444.5245	2049809.731	NA	147.47	11.15	136.32
Onsite	Perched Zone	MW-9S	10/4/2021	396760.1617	2049734.296	17.5-22.5	154.39	21.46	132.93
Onsite	Perched Zone	NAF-01	10/4/2021	398348.58	2050339.68	5.0-15.0	148.65	9.47	139.18
Onsite	Perched Zone	NAF-02	10/4/2021	398660.16	2050634.55	5.0-15.0	149.28	10.4	138.88
Onsite	Perched Zone	NAF-03	10/4/2021	398578.63	2050743.04	5.0-15.0	149.41	15.64	133.77
Onsite	Perched Zone	NAF-04	10/4/2021	398445.89	2050713.13	5.0-15.0	146.77	7.68	139.09
Onsite	Perched Zone	NAF-06	10/4/2021	398808.81	2050913.93	2.75-12.75	145.43	11.8	133.63
Onsite	Perched Zone	NAF-07	10/4/2021	398898.69	2050618.12	5.5-15.5	149.03	10.35	138.68
Onsite	Perched Zone	NAF-08A	10/4/2021	398098.22	2050886.93	5.0-15.0	147.74	9.95	137.79
Onsite	Surficial Aquifer	NAF-08B	10/4/2021	398095.97	2050880.18	43.5-53.5	147.83	52.63	95.2
Onsite	Perched Zone	NAF-09	10/4/2021	397708.78	2050807.44	7.0-17.0	148.62	12.47	136.15
Onsite	Perched Zone	NAF-10	10/4/2021	397611.81	2050425.2	8.25-18.25	149.25	13	136.25
Onsite	Perched Zone	NAF-11A	10/4/2021	398907.08	2050999.77	2.5-7.5	139.74	6.91	132.83
Onsite	Surficial Aquifer	NAF-11B	10/4/2021	398911.13	2050995.88	33.5-43.5	140.74	46.64	94.1
Onsite	Perched Zone	NAF-12	10/4/2021	398270.555	2050777.49	18 to 23	145.79	15.64	130.15
Onsite	Black Creek Aquifer	OW-10	10/4/2021	399948.17	2051291.21	40-50	94.39	34.44	59.95
Onsite	Black Creek Aquifer	OW-1	10/4/2021	399930.53	2051287.87	40-50	95.01	35.07	59.94
Onsite	Black Creek Aquifer	OW-2	10/4/2021	398572.28	2051801.62	63-73	84.37	34.21	50.16
Onsite	Black Creek Aquifer	OW-3	10/4/2021	398601.08	2051812.32	63-73	84.64	34.64	50
Onsite	Black Creek Aquifer	OW-4	10/4/2021	395049.16	2052210.81	47-57	80.85	19.17	61.68
Onsite	Black Creek Aquifer	OW-5	10/4/2021	395070.03	2052196.97	54-64	81.61	19.74	61.87
Onsite	Black Creek Aquifer	OW-6	10/4/2021	396168.41	2052223.54	50-60	80.53	37.79	42.74
Onsite	Black Creek Aquifer	OW-7	10/4/2021	397180.06	2052052.69	57-67	81.45	36.22	45.23
Onsite	Black Creek Aquifer	OW-8	10/4/2021	397202.33	2052041.98	57-67	82.30	37.81	44.49
Onsite	Black Creek Aquifer	OW-9	10/4/2021	395075.14	2052211.07	54-64	79.78	17.96	61.82
Onsite	Black Creek Aquifer	PIW-10DR	10/4/2021	395093.99	2052297.3	53 - 58	75.91	14.31	61.6
Onsite	Surficial Aquifer	PIW-10S	10/4/2021	395104.95	2052296.98	7 - 17	76.32	18.81	57.51
Onsite	Black Creek Aquifer	PIW-11	10/4/2021	401911.03	2050416.29	47-57	67.02	29.9	37.12
Onsite	Black Creek Aquifer	PIW-12	10/4/2021	401703.1	2051025.77	64-74	83.78	49.39	34.39
Onsite	Black Creek Aquifer	PIW-13	10/4/2021	401464.29	2051122.6	54-64	83.18	48.63	34.55
Onsite	Black Creek Aquifer	PIW-14	10/4/2021	401163.98	2051186.57	56-66	87.43	52.1	35.33
Onsite	Black Creek Aquifer	PIW-15	10/4/2021	400706.51	2051532.8	34-44	67.85	34.36	33.49
Onsite	Black Creek Aquifer	PIW-16D	10/4/2021	396257.96	2046587.07	90-100	150.06	20.04	130.02
Onsite	Black Creek Aquifer	PIW-16S	10/4/2021	396267.84	2046586.09	35-45	149.74	18.26	131.48
Onsite	Surficial Aquifer	PIW-1D	10/4/2021	400548	2051801.28	24.5 to 29.5	52.16	18.89	33.27
Onsite	Floodplain Deposits	PIW-1S	10/4/2021	400541.03	2051792.39	7.8 - 17.8	54.04	21.53	32.51
Onsite	Black Creek Aquifer	PIW-2D	10/4/2021	399925.4	2051315.8	40 - 50	96.19	36.32	59.87
Onsite	Black Creek Aquifer	PIW-3D	10/4/2021	399711.25	2052086.94	19 - 24	53.42	17.5	35.92
Onsite	Black Creek Aquifer	PIW-4D	10/4/2021	398816.52	2052101.94	32.3 - 37.3	52.85	10.39	42.46

TABLE A6
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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	PIW-5S	10/4/2021	398519.7	2051950.49	9.8 - 19.8	75.02	14.23	60.79
Onsite	Floodplain Deposits	PIW-6S	10/4/2021	398117.93	2052539.79	18 - 28	53.40	14.51	38.89
Onsite	Black Creek Aquifer	PIW-7D	10/4/2021	396787.77	2052595.65	29 - 34	48.93	5.42	43.51
Onsite	Floodplain Deposits	PIW-7S	10/4/2021	396786.97	2052589.1	7 - 17	47.97	5.31	42.66
Onsite	Black Creek Aquifer	PIW-8D	10/4/2021	396403.37	2052682.1	35.5 - 40	48.66	7.1	41.56
Onsite	Black Creek Aquifer	PIW-9D	10/4/2021	396155.84	2052250.84	40 - 45	79.64	37.03	42.61
Onsite	Surficial Aquifer	PIW-9S	10/4/2021	396148.52	2052251.03	24.8 - 29.8	79.64	29.54	50.1
Onsite	Perched Zone	PW-01	10/4/2021	399064.799	2049654.303	11 - 21	149.55	15.91	133.637
Onsite	Surficial Aquifer	PW-02	10/4/2021	399779.064	2050649.466	50 - 60	146.43	55.39	91.041
Onsite	Surficial Aquifer	PW-03	10/4/2021	397339.809	2050765.319	35 - 45	147.97	41.92	106.047
Onsite	Surficial Aquifer	PW-04	10/4/2021	394659.549	2050940.657	17 - 27	97.75	26.58	71.171
Onsite	Surficial Aquifer	PW-05	10/4/2021	395873.1	2047812.929	65 - 75	150.34	27.82	122.516
Onsite	Surficial Aquifer	PW-06	10/4/2021	392868	2045288.765	19 - 29	147.69	19.23	128.461
Onsite	Surficial Aquifer	PW-07	10/4/2021	390847.706	2049258.256	28 - 38	148.16	38.28	109.88
Onsite	Black Creek Aquifer	PW-09	10/4/2021	402000.079	2048979.111	44 - 54	72.93	25.08	47.845
Onsite	Black Creek Aquifer	PW-10R	10/4/2021	398516.115	2051936.585	57 - 67	75.90	27.71	48.19
Onsite	Black Creek Aquifer	PW-11	10/4/2021	394354.363	2052226.721	53 - 63	73.26	31.35	41.913
Onsite	Black Creek Aquifer	PW-12	10/4/2021	399500.447	2047063.51	109 - 119	150.61	57.07	93.54
Onsite	Black Creek Aquifer	PW-13	10/4/2021	397584.263	2048029.184	120 - 130	149.36	30.88	118.48
Onsite	Black Creek Aquifer	PW-14	10/4/2021	397325.648	2050766.359	136 - 146	147.97	60.49	87.48
Onsite	Black Creek Aquifer	PW-15R	10/4/2021	398900.875	2051011.753	110 - 120	136.14	NM	--
Onsite	Perched Zone	PZ-11	10/4/2021	398646.2549	2049820.937	15-20	151.03	11.29	139.74
Onsite	Perched Zone	PZ-12	10/4/2021	399091.19	2048978.89	15.1-20.1	149.89	20.1	129.79
Onsite	Perched Zone	PZ-13	10/4/2021	397707.82	2050985.25	7.1-12.1	148.14	12.18	135.96
Onsite	Perched Zone	PZ-14	10/4/2021	397589.9185	2050618.271	9.0-14.0	148.38	11.64	136.74
Onsite	Perched Zone	PZ-15	10/4/2021	396806.39	2050107.5	10.2-15.2	147.76	13.63	134.13
Onsite	Perched Zone	PZ-17	10/4/2021	396614.815	2048872.689	21.1-26.1	150.08	28.24	121.84
Onsite	Perched Zone	PZ-19R	10/4/2021	397998.663	2049919.516	16-21	150.05	13.84	136.206
Onsite	Perched Zone	PZ-20R	10/4/2021	398185.809	2049784.598	15-20	151.29	15.21	136.08
Onsite	Perched Zone	PZ-21R	10/4/2021	398445.157	2049883.125	17-22	150.67	13.79	136.884
Onsite	Black Creek Aquifer	PZ-22	10/4/2021	397271.94	2052585.34	42.5-47.5	50.70	7.12	43.58
Onsite	Perched Zone	PZ-24	10/4/2021	396117.94	2050744.07	11 to 16	147.53	14.54	132.99
Onsite	Perched Zone	PZ-25R	10/4/2021	395971.54	2050748.23	6 to 16	147.51	19.02	128.49
Onsite	Perched Zone	PZ-26	10/4/2021	396059.78	2050382.35	11 to 16	147.70	12.8	134.9
Onsite	Perched Zone	PZ-27	10/4/2021	395922.11	2050376.76	12 to 17	147.17	13.1	134.07
Onsite	Perched Zone	PZ-28	10/4/2021	396304.55	2049933.79	13 to 18	148.64	13.12	135.52
Onsite	Perched Zone	PZ-29	10/4/2021	396377.59	2049771.59	12 to 18	147.74	14.35	133.39
Onsite	Perched Zone	PZ-31	10/4/2021	396428.73	2049594.355	14 to 19	148.00	17.5	130.499
Onsite	Perched Zone	PZ-32	10/4/2021	396418.471	2049713.787	13 to 18	148.47	15.26	133.211
Onsite	Perched Zone	PZ-33	10/4/2021	396308.915	2049707.661	12.5-17.5	146.72	14.01	132.705
Onsite	Perched Zone	PZ-34	10/4/2021	396292.05	2049595.039	13.5-18.5	147.70	15.88	131.815
Onsite	Perched Zone	PZ-35	10/4/2021	398232.643	2050020.494	13 to 18	150.43	13.33	137.1

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Perched Zone	PZ-36	10/4/2021	396086.17	2051331.44	5 to 8.5	135.20	2.3	132.9
Onsite	Perched Zone	PZ-37	10/4/2021	396042.4	2051050.05	5 to 8	135.56	1.92	133.64
Onsite	Perched Zone	PZ-38	10/4/2021	395970.01	2050569.66	5 to 9	137.34	DRY	--
Onsite	Perched Zone	PZ-39	10/4/2021	395921.87	2050238.18	5 to 10	137.93	2.74	135.19
Onsite	Perched Zone	PZ-40	10/4/2021	395943.02	2050031.9	5 to 9	138.51	3.12	135.39
Onsite	Perched Zone	PZ-41	10/4/2021	395979.29	2050048.97	5 to 8.5	138.13	2.54	135.59
Onsite	Perched Zone	PZ-42	10/4/2021	395961.73	2050230.23	3 to 7	138.17	2.84	135.33
Onsite	Perched Zone	PZ-43	10/4/2021	396011.61	2050567.89	5 to 9	137.06	5.78	131.28
Onsite	Perched Zone	PZ-44	10/4/2021	396082.75	2051045.25	5 to 7	136.26	2.37	133.89
Onsite	Perched Zone	PZ-45	10/4/2021	396124.41	2051323.03	2 to 4	135.69	2.5	133.19
Onsite	Surficial Aquifer	PZ-L	10/4/2021	396745.804	2048684.008	13-28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	10/4/2021	395297.97	2043688.29	5.0-15.0	150.58	12.82	137.76
Onsite	Perched Zone	SMW-02	10/4/2021	399982.23	2050655.91	5.0-20.0	144.59	13.94	130.65
Onsite	Surficial Aquifer	SMW-02B	10/4/2021	399983.75	2050654.77	43.0-53.0	147.93	55.98	91.95
Onsite	Perched Zone	SMW-03	10/4/2021	399779.32	2049445.32	10.0-20.0	151.09	DRY	--
Onsite	Black Creek Aquifer	SMW-03B	10/4/2021	399785.752	2049421.539	72 to 82	150.43	55.75	94.68
Onsite	Perched Zone	SMW-04A	10/4/2021	399668.71	2048387.57	19.5-34.5	148.09	37.1	110.99
Onsite	Surficial Aquifer	SMW-04B	10/4/2021	399666.21	2048392.37	43.0-53.0	147.65	44.42	103.23
Onsite	Perched Zone	SMW-05	10/4/2021	399334.0651	2048557.335	10.0-20.0	148.10	22.91	125.189
Onsite	Surficial Aquifer	SMW-05P	10/4/2021	399391.46	2049235.07	45.0-60.0	149.66	42.99	106.67
Onsite	Perched Zone	SMW-06	10/4/2021	399172.346	2048759.478	12.0-22.0	150.97	DRY	--
Onsite	Surficial Aquifer	SMW-06B	10/4/2021	399144.744	2048764.939	58 to 68	150.32	46.16	104.16
Onsite	Perched Zone	SMW-07	10/4/2021	398931.13	2048611.74	13.0-23.0	146.79	19.86	126.93
Onsite	Perched Zone	SMW-08	10/4/2021	399064.972	2048468.783	21.0-31.0	151.02	DRY	--
Onsite	Surficial Aquifer	SMW-08B	10/4/2021	399058.325	2048478.84	58 to 68	148.81	39.61	109.2
Onsite	Surficial Aquifer	SMW-09	10/4/2021	401076.889	2050017.409	52 to 62	141.43	55.08	86.35
Onsite	Surficial Aquifer	SMW-10	10/4/2021	402307.305	2047923.84	39 to 49	76.26	29.51	46.75
Onsite	Surficial Aquifer	SMW-11	10/4/2021	401996.154	2048975.382	13 to 23	71.95	13.35	58.6
Onsite	Black Creek Aquifer	SMW-12	10/4/2021	401314.202	2051007.222	88 to 98	118.22	83.93	34.29
Onsite	Black Creek Aquifer	BCA-01	11/11/2021	399779.96	2050662.48	91 to 101	146.25	NM	--
Onsite	Black Creek Aquifer	BCA-02	11/11/2021	396242.02	2051062.07	92 to 102	148.37	NM	--
Onsite	Black Creek Aquifer	BCA-03R	11/11/2021	398582.23	2049522.22	88 to 98	150.82	49.32	101.50
Onsite	Black Creek Aquifer	BCA-04	11/11/2021	395877.665	2047823.03	94 to 104	150.31	28.12	122.19
Onsite	Black Creek Aquifer	EW-1	11/11/2021	399934.65	2051297.51	40-60	91.33	31.85	59.48
Onsite	Black Creek Aquifer	EW-2	11/11/2021	396164.48	2052232.61	40-65	77.25	32.39	44.86
Onsite	Black Creek Aquifer	EW-3	11/11/2021	395059.78	2052214.66	37-67	76.48	15.48	61.00
Onsite	Black Creek Aquifer	EW-4	11/11/2021	398581.51	2051805.58	53-73	80.64	30.36	50.28
Onsite	Black Creek Aquifer	EW-5	11/11/2021	397200.16	2052052.65	37-67	78.5	32.32	46.18
Onsite	Perched Zone	FTA-01	11/11/2021	397906.09	2049370.01	12.0-22.0	149.6	17.22	132.38
Onsite	Perched Zone	FTA-02	11/11/2021	397784.99	2049203.29	11.5-22.0	149.3	18.03	131.27
Onsite	Perched Zone	FTA-03	11/11/2021	397766.23	2049310.46	12.0-22.0	150.1	18.17	131.93
Onsite	Surficial Aquifer	INSITU-01	11/11/2021	401657.39	2046078.99	7.0-17.0	89.12	6.25	82.87

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	INSITU-02	11/11/2021	401863.46	2049136.62	7.0-17.0	113.12	DRY	--
Onsite	Floodplain Deposits	LTW-01	11/11/2021	399565.01	2052150.62	11.0-26.0	52.71	16.61	36.10
Onsite	Black Creek Aquifer	LTW-02	11/11/2021	398847.57	2052355.48	28.0-38.0	51.39	9.26	42.13
Onsite	Floodplain Deposits	LTW-03	11/11/2021	398114.45	2052558.35	15.0-30.0	51.75	12.95	38.80
Onsite	Floodplain Deposits	LTW-04	11/11/2021	397279.61	2052584.95	12.0-27.0	50.66	8.32	42.34
Onsite	Black Creek Aquifer	LTW-05	11/11/2021	396430.31	2052740.4	29.0-44.0	50.94	9.49	41.45
Onsite	Perched Zone	MW-11	11/11/2021	396544.4	2049051.06	11.5-21.5	148.53	23.53	125.00
Onsite	Perched Zone	MW-12S	11/11/2021	397262.9	2049269.37	17.5-22.5	151.08	20.71	130.37
Onsite	Surficial Aquifer	MW-13D	11/11/2021	397119.015	2049821.123	57 to 67	148.65	44.06	104.59
Onsite	Surficial Aquifer	MW-14D	11/11/2021	396974.485	2049074.561	62 to 72	149.73	39.67	110.06
Onsite	Surficial Aquifer	MW-15DRR	11/11/2021	398580.71	2049511.75	52.5 to 62.5	150.92	47.33	103.59
Onsite	Surficial Aquifer	MW-16D	11/11/2021	398493.703	2048402.838	72 to 82	148.41	35.2	113.21
Onsite	Surficial Aquifer	MW-17D	11/11/2021	398401.741	2047366.496	57 to 67	146.117	28.48	117.64
Onsite	Surficial Aquifer	MW-18D	11/11/2021	400947.3	2046574.35	50 to 60	108.1	19.86	88.24
Onsite	Surficial Aquifer	MW-19D	11/11/2021	401151.43	2048272.93	46 to 56	139.36	50.83	88.53
Onsite	Perched Zone	MW-1S	11/11/2021	397080.69	2049117.99	21.0-24.0	148.88	19.43	129.45
Onsite	Surficial Aquifer	MW-20D	11/11/2021	400791.01	2048733.71	65 to 75	137.2	47.12	90.08
Onsite	Surficial Aquifer	MW-21D	11/11/2021	399501.88	2047074.92	72 to 82	151.42	45.14	106.28
Onsite	Surficial Aquifer	MW-22D	11/11/2021	398518.4	2048362.48	52 to 72	149.09	35.08	114.01
Onsite	Perched Zone	MW-23	11/11/2021	396237.61	2051063.25	9.5 to 14.5	148.34	15.02	133.32
Onsite	Perched Zone	MW-24	11/11/2021	397303.94	2048767.69	18.8 to 23.8	150.31	22.14	128.17
Onsite	Perched Zone	MW-25	11/11/2021	396753.37	2050989.82	12 to 17	147.59	14.47	133.12
Onsite	Perched Zone	MW-26	11/11/2021	396265.18	2051484.67	5 to 10	147.7	12.74	134.96
Onsite	Perched Zone	MW-27	11/11/2021	396010.33	2051472	10 to 15	146.83	15.33	131.50
Onsite	Perched Zone	MW-28	11/11/2021	395719.79	2051165.93	9 to 14	144.7	14.41	130.29
Onsite	Perched Zone	MW-30	11/11/2021	397340.79	2050776.09	10 to 15	147.67	14.95	132.72
Onsite	Perched Zone	MW-31	11/11/2021	396390.698	2049622.884	17-22	147.699	16.56	131.14
Onsite	Perched Zone	MW-32	11/11/2021	396359.577	2049651.789	13-18.5	147.106	15.49	131.62
Onsite	Perched Zone	MW-33	11/11/2021	396337.507	2049678.558	12-17	146.82	14.99	131.83
Onsite	Perched Zone	MW-34	11/11/2021	396352.902	2049619.086	17-22	147.972	16.41	131.56
Onsite	Perched Zone	MW-35	11/11/2021	396332.943	2049631.155	14-19	147.541	15.87	131.67
Onsite	Perched Zone	MW-36	11/11/2021	396320.088	2049651.174	12-17	147.889	16.16	131.73
Onsite	Perched Zone	MW-7S	11/11/2021	397444.5245	2049809.731	NA	147.47	11.61	135.86
Onsite	Perched Zone	MW-8S	11/11/2021	397096.4767	2049867.768	NA	146.48	5.18	141.30
Onsite	Perched Zone	MW-9S	11/11/2021	396760.1617	2049734.296	17.5-22.5	154.39	21.83	132.56
Onsite	Perched Zone	NAF-01	11/11/2021	398348.58	2050339.68	5.0-15.0	148.65	10.21	138.44
Onsite	Perched Zone	NAF-02	11/11/2021	398660.16	2050634.55	5.0-15.0	149.28	10.87	138.41
Onsite	Perched Zone	NAF-03	11/11/2021	398578.63	2050743.04	5.0-15.0	149.41	14.45	134.96
Onsite	Perched Zone	NAF-04	11/11/2021	398445.89	2050713.13	5.0-15.0	146.77	8.17	138.60
Onsite	Perched Zone	NAF-06	11/11/2021	398808.81	2050913.93	2.75-12.75	145.43	11.86	133.57
Onsite	Perched Zone	NAF-07	11/11/2021	398898.69	2050618.12	5.5-15.5	149.03	10.71	138.32
Onsite	Perched Zone	NAF-08A	11/11/2021	398098.22	2050886.93	5.0-15.0	147.74	10.36	137.38

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	NAF-08B	11/11/2021	398095.97	2050880.18	43.5-53.5	147.83	52.66	95.17
Onsite	Perched Zone	NAF-09	11/11/2021	397708.78	2050807.44	7.0-17.0	148.62	13.03	135.59
Onsite	Perched Zone	NAF-10	11/11/2021	397611.81	2050425.2	8.25-18.25	149.25	13.59	135.66
Onsite	Perched Zone	NAF-11A	11/11/2021	398907.08	2050999.77	2.5-7.5	139.74	7.49	132.25
Onsite	Surficial Aquifer	NAF-11B	11/11/2021	398911.13	2050995.88	33.5-43.5	140.74	46.66	94.08
Onsite	Perched Zone	NAF-12	11/11/2021	398270.555	2050777.49	18 to 23	145.79	19.38	126.41
Onsite	Black Creek Aquifer	OW-1	11/11/2021	399930.53	2051287.87	40-50	95.01	35.32	59.69
Onsite	Black Creek Aquifer	OW-10	11/11/2021	399948.17	2051291.21	40-50	94.39	34.66	59.73
Onsite	Black Creek Aquifer	OW-2	11/11/2021	398572.28	2051801.62	63-73	84.37	34.36	50.01
Onsite	Black Creek Aquifer	OW-3	11/11/2021	398601.08	2051812.32	63-73	84.64	34.81	49.83
Onsite	Black Creek Aquifer	OW-4	11/11/2021	395049.16	2052210.81	47-57	80.85	19.8	61.05
Onsite	Black Creek Aquifer	OW-5	11/11/2021	395070.03	2052196.97	54-64	81.61	20.34	61.27
Onsite	Black Creek Aquifer	OW-6	11/11/2021	396168.41	2052223.54	50-60	80.53	37.94	42.59
Onsite	Black Creek Aquifer	OW-7	11/11/2021	397180.06	2052052.69	57-67	81.45	36.32	45.13
Onsite	Black Creek Aquifer	OW-8	11/11/2021	397202.33	2052041.98	57-67	82.3	37.93	44.37
Onsite	Black Creek Aquifer	OW-9	11/11/2021	395075.14	2052211.07	54-64	79.78	18.58	61.20
Onsite	Black Creek Aquifer	PIW-10DR	11/11/2021	395093.99	2052297.3	53 - 58	75.91	15.34	60.57
Onsite	Surficial Aquifer	PIW-10S	11/11/2021	395104.95	2052296.98	7 - 17	76.32	18.86	57.46
Onsite	Black Creek Aquifer	PIW-11	11/11/2021	401911.03	2050416.29	47-57	67.02	22.69	44.33
Onsite	Black Creek Aquifer	PIW-12	11/11/2021	401703.1	2051025.77	64-74	83.78	49.52	34.26
Onsite	Black Creek Aquifer	PIW-13	11/11/2021	401464.29	2051122.6	54-64	83.18	48.85	34.33
Onsite	Black Creek Aquifer	PIW-14	11/11/2021	401163.98	2051186.57	56-66	87.43	52.46	34.97
Onsite	Black Creek Aquifer	PIW-15	11/11/2021	400706.51	2051532.8	34-44	67.85	34.64	33.21
Onsite	Black Creek Aquifer	PIW-16D	11/11/2021	396257.96	2046587.07	90-100	150.06	20.89	129.17
Onsite	Black Creek Aquifer	PIW-16S	11/11/2021	396267.84	2046586.09	35-45	149.74	17.15	132.59
Onsite	Surficial Aquifer	PIW-1D	11/11/2021	400548	2051801.28	24.5 to 29.5	52.16	19.22	32.94
Onsite	Floodplain Deposits	PIW-1S	11/11/2021	400541.03	2051792.39	7.8 - 17.8	54.04	21.65	32.39
Onsite	Black Creek Aquifer	PIW-2D	11/11/2021	399925.4	2051315.8	40 - 50	96.19	36.54	59.65
Onsite	Black Creek Aquifer	PIW-3D	11/11/2021	399711.25	2052086.94	19 - 24	53.42	17.64	35.78
Onsite	Black Creek Aquifer	PIW-4D	11/11/2021	398816.52	2052101.94	32.3 - 37.3	52.85	10.37	42.48
Onsite	Surficial Aquifer	PIW-5S	11/11/2021	398519.7	2051950.49	9.8 - 19.8	75.02	14.41	60.61
Onsite	Floodplain Deposits	PIW-6S	11/11/2021	398117.93	2052539.79	18 - 28	53.4	14.5	38.90
Onsite	Black Creek Aquifer	PIW-7D	11/11/2021	396787.77	2052595.65	29 - 34	48.93	5.51	43.42
Onsite	Floodplain Deposits	PIW-7S	11/11/2021	396786.97	2052589.1	7 - 17	47.97	5.34	42.63
Onsite	Black Creek Aquifer	PIW-8D	11/11/2021	396403.37	2052682.1	35.5 - 40	48.66	7.2	41.46
Onsite	Black Creek Aquifer	PIW-9D	11/11/2021	396155.84	2052250.84	40 - 45	79.64	37.18	42.46
Onsite	Surficial Aquifer	PIW-9S	11/11/2021	396148.52	2052251.03	24.8 - 29.8	79.64	29.95	49.69
Onsite	Perched Zone	PW-01	11/11/2021	399064.799	2049654.303	11 - 21	149.547	16.29	133.26
Onsite	Surficial Aquifer	PW-02	11/11/2021	399779.064	2050649.466	50 - 60	146.431	55.89	90.54
Onsite	Surficial Aquifer	PW-03	11/11/2021	397339.809	2050765.319	35 - 45	147.967	42.14	105.83
Onsite	Surficial Aquifer	PW-04	11/11/2021	394659.549	2050940.657	17 - 27	97.751	27.47	70.28
Onsite	Surficial Aquifer	PW-05	11/11/2021	395873.1	2047812.929	65 - 75	150.336	28.64	121.70

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	PW-06	11/11/2021	392868	2045288.765	19 - 29	147.691	19.37	128.32
Onsite	Surficial Aquifer	PW-07	11/11/2021	390847.706	2049258.256	28 - 38	148.16	39.28	108.88
Onsite	Black Creek Aquifer	PW-09	11/11/2021	402000.079	2048979.111	44 - 54	72.925	25.19	47.74
Onsite	Black Creek Aquifer	PW-10R	11/11/2021	398516.115	2051936.585	57 - 67	75.9	27.08	48.82
Onsite	Black Creek Aquifer	PW-11	11/11/2021	394354.363	2052226.721	53 - 63	73.263	32.11	41.15
Onsite	Black Creek Aquifer	PW-12	11/11/2021	399500.447	2047063.51	109 - 119	150.61	57.47	93.14
Onsite	Black Creek Aquifer	PW-13	11/11/2021	397584.263	2048029.184	120 - 130	149.36	31.67	117.69
Onsite	Black Creek Aquifer	PW-14	11/11/2021	397325.648	2050766.359	136 - 146	147.97	NM	--
Onsite	Black Creek Aquifer	PW-15R	11/11/2021	398900.875	2051011.753	110 - 120	136.14	NM	--
Onsite	Perched Zone	PZ-11	11/11/2021	398646.2549	2049820.937	15-20	151.03	11.86	139.17
Onsite	Perched Zone	PZ-12	11/11/2021	399091.19	2048978.89	15.1-20.1	149.89	20.22	129.67
Onsite	Perched Zone	PZ-13	11/11/2021	397707.82	2050985.25	7.1-12.1	148.14	12.39	135.75
Onsite	Perched Zone	PZ-14	11/11/2021	397589.9185	2050618.271	9.0-14.0	148.38	12.3	136.08
Onsite	Perched Zone	PZ-15	11/11/2021	396806.39	2050107.5	10.2-15.2	147.76	14.05	133.71
Onsite	Perched Zone	PZ-17	11/11/2021	396614.815	2048872.689	21.1-26.1	150.08	28.25	121.83
Onsite	Perched Zone	PZ-19R	11/11/2021	397998.663	2049919.516	16-21	150.046	14.49	135.56
Onsite	Perched Zone	PZ-20R	11/11/2021	398185.809	2049784.598	15-20	151.29	15.8	135.49
Onsite	Perched Zone	PZ-21R	11/11/2021	398445.157	2049883.125	17-22	150.674	14.49	136.18
Onsite	Black Creek Aquifer	PZ-22	11/11/2021	397271.94	2052585.34	42.5-47.5	50.7	7.25	43.45
Onsite	Perched Zone	PZ-24	11/11/2021	396117.94	2050744.07	11 to 16	147.53	14.97	132.56
Onsite	Perched Zone	PZ-25R	11/11/2021	395971.54	2050748.23	6 to 16	147.51	19.01	128.50
Onsite	Perched Zone	PZ-26	11/11/2021	396059.78	2050382.35	11 to 16	147.7	12.7	135.00
Onsite	Perched Zone	PZ-27	11/11/2021	395922.11	2050376.76	12 to 17	147.17	14.55	132.62
Onsite	Perched Zone	PZ-28	11/11/2021	396304.55	2049933.79	13 to 18	148.64	13.88	134.76
Onsite	Perched Zone	PZ-29	11/11/2021	396377.59	2049771.59	12 to 18	147.74	15.36	132.38
Onsite	Perched Zone	PZ-31	11/11/2021	396428.73	2049594.355	14 to 19	147.999	18.73	129.27
Onsite	Perched Zone	PZ-32	11/11/2021	396418.471	2049713.787	13 to 18	148.471	16.22	132.25
Onsite	Perched Zone	PZ-33	11/11/2021	396308.915	2049707.661	12.5-17.5	146.715	14.68	132.04
Onsite	Perched Zone	PZ-34	11/11/2021	396292.05	2049595.039	13.5-18.5	147.695	16.22	131.48
Onsite	Perched Zone	PZ-35	11/11/2021	398232.643	2050020.494	13 to 18	150.43	14.07	136.36
Onsite	Perched Zone	PZ-36	11/11/2021	396086.17	2051331.44	5 to 8.5	135.2	3.01	132.19
Onsite	Perched Zone	PZ-37	11/11/2021	396042.4	2051050.05	5 to 8	135.56	3.13	132.43
Onsite	Perched Zone	PZ-38	11/11/2021	395970.01	2050569.66	5 to 9	137.34	DRY	--
Onsite	Perched Zone	PZ-39	11/11/2021	395921.87	2050238.18	5 to 10	137.93	4.01	133.92
Onsite	Perched Zone	PZ-40	11/11/2021	395943.02	2050031.9	5 to 9	138.51	4.34	134.17
Onsite	Perched Zone	PZ-41	11/11/2021	395979.29	2050048.97	5 to 8.5	138.13	3.69	134.44
Onsite	Perched Zone	PZ-42	11/11/2021	395961.73	2050230.23	3 to 7	138.17	3.99	134.18
Onsite	Perched Zone	PZ-43	11/11/2021	396011.61	2050567.89	5 to 9	137.06	DRY	--
Onsite	Perched Zone	PZ-44	11/11/2021	396082.75	2051045.25	5 to 7	136.26	3.56	132.70
Onsite	Perched Zone	PZ-45	11/11/2021	396124.41	2051323.03	2 to 4	135.69	3.29	132.40
Onsite	Surficial Aquifer	PZ-L	11/11/2021	396745.804	2048684.008	13-28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	11/11/2021	395297.97	2043688.29	5.0-15.0	150.58	12.99	137.59

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Perched Zone	SMW-02	11/11/2021	399982.23	2050655.91	5.0-20.0	144.59	14.74	129.85
Onsite	Surficial Aquifer	SMW-02B	11/11/2021	399983.75	2050654.77	43.0-53.0	147.93	55.98	91.95
Onsite	Perched Zone	SMW-03	11/11/2021	399779.32	2049445.32	10.0-20.0	151.094	DRY	--
Onsite	Black Creek Aquifer	SMW-03B	11/11/2021	399785.752	2049421.539	72 to 82	150.43	56.39	94.04
Onsite	Perched Zone	SMW-04A	11/11/2021	399668.71	2048387.57	19.5-34.5	148.09	37.09	111.00
Onsite	Surficial Aquifer	SMW-04B	11/11/2021	399666.21	2048392.37	43.0-53.0	147.65	45.04	102.61
Onsite	Perched Zone	SMW-05	11/11/2021	399334.0651	2048557.335	10.0-20.0	148.099	22.92	125.18
Onsite	Surficial Aquifer	SMW-05P	11/11/2021	399391.46	2049235.07	45.0-60.0	149.66	43.64	106.02
Onsite	Perched Zone	SMW-06	11/11/2021	399172.346	2048759.478	12.0-22.0	150.97	DRY	--
Onsite	Surficial Aquifer	SMW-06B	11/11/2021	399144.744	2048764.939	58 to 68	150.32	46.82	103.50
Onsite	Perched Zone	SMW-07	11/11/2021	398931.13	2048611.74	13.0-23.0	146.79	19.61	127.18
Onsite	Perched Zone	SMW-08	11/11/2021	399064.972	2048468.783	21.0-31.0	151.017	DRY	--
Onsite	Surficial Aquifer	SMW-08B	11/11/2021	399058.325	2048478.84	58 to 68	148.81	40.27	108.54
Onsite	Surficial Aquifer	SMW-09	11/11/2021	401076.889	2050017.409	52 to 62	141.43	55.63	85.80
Onsite	Surficial Aquifer	SMW-10	11/11/2021	402307.305	2047923.84	39 to 49	76.26	29.53	46.73
Onsite	Surficial Aquifer	SMW-11	11/11/2021	401996.154	2048975.382	13 to 23	71.95	13.61	58.34
Onsite	Black Creek Aquifer	SMW-12	11/11/2021	401314.202	2051007.222	88 to 98	118.22	84.27	33.95
Onsite	Black Creek Aquifer	BCA-01	12/2/2021	399779.96	2050662.48	91 to 101	146.25	NM	--
Onsite	Black Creek Aquifer	BCA-02	12/2/2021	396242.02	2051062.07	92 to 102	148.37	NM	--
Onsite	Black Creek Aquifer	BCA-03R	12/2/2021	398582.23	2049522.22	88 to 98	150.82	49.63	101.19
Onsite	Black Creek Aquifer	BCA-04	12/2/2021	395877.665	2047823.03	94 to 104	150.31	28.6	121.71
Onsite	Black Creek Aquifer	EW-1	12/2/2021	399934.65	2051297.51	40-60	91.33	31.95	59.38
Onsite	Black Creek Aquifer	EW-2	12/2/2021	396164.48	2052232.61	40-65	77.25	32.35	44.90
Onsite	Black Creek Aquifer	EW-3	12/2/2021	395059.78	2052214.66	37-67	76.48	15.02	61.46
Onsite	Black Creek Aquifer	EW-4	12/2/2021	398581.51	2051805.58	53-73	80.64	30.35	50.29
Onsite	Black Creek Aquifer	EW-5	12/2/2021	397200.16	2052052.65	37-67	78.5	33.18	45.32
Onsite	Perched Zone	FTA-01	12/2/2021	397906.09	2049370.01	12.0-22.0	149.6	17.71	131.89
Onsite	Perched Zone	FTA-02	12/2/2021	397784.99	2049203.29	11.5-22.0	149.3	18.17	131.13
Onsite	Perched Zone	FTA-03	12/2/2021	397766.23	2049310.46	12.0-22.0	150.1	18.42	131.68
Onsite	Surficial Aquifer	INSITU-01	12/2/2021	401657.39	2046078.99	7.0-17.0	89.12	6.25	82.87
Onsite	Surficial Aquifer	INSITU-02	12/2/2021	401863.46	2049136.62	7.0-17.0	113.12	DRY	--
Onsite	Floodplain Deposits	LTW-01	12/2/2021	399565.01	2052150.62	11.0-26.0	52.71	16.61	36.10
Onsite	Black Creek Aquifer	LTW-02	12/2/2021	398847.57	2052355.48	28.0-38.0	51.39	9.2	42.19
Onsite	Floodplain Deposits	LTW-03	12/2/2021	398114.45	2052558.35	15.0-30.0	51.75	12.85	38.90
Onsite	Floodplain Deposits	LTW-04	12/2/2021	397279.61	2052584.95	12.0-27.0	50.66	8.55	42.11
Onsite	Black Creek Aquifer	LTW-05	12/2/2021	396430.31	2052740.4	29.0-44.0	50.94	9.36	41.58
Onsite	Perched Zone	MW-11	12/2/2021	396544.4	2049051.06	11.5-21.5	148.53	23.55	124.98
Onsite	Perched Zone	MW-12S	12/2/2021	397262.9	2049269.37	17.5-22.5	151.08	20.87	130.21
Onsite	Surficial Aquifer	MW-13D	12/2/2021	397119.015	2049821.123	57 to 67	148.65	44.41	104.24
Onsite	Surficial Aquifer	MW-14D	12/2/2021	396974.485	2049074.561	62 to 72	149.73	40.15	109.58
Onsite	Surficial Aquifer	MW-15DRR	12/2/2021	398580.71	2049511.75	52.5 to 62.5	150.92	47.66	103.26
Onsite	Surficial Aquifer	MW-16D	12/2/2021	398493.703	2048402.838	72 to 82	148.41	35.67	112.74

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	MW-17D	12/2/2021	398401.741	2047366.496	57 to 67	146.117	28.98	117.14
Onsite	Surficial Aquifer	MW-18D	12/2/2021	400947.3	2046574.35	50 to 60	108.1	20.04	88.06
Onsite	Surficial Aquifer	MW-19D	12/2/2021	401151.43	2048272.93	46 to 56	139.36	51.08	88.28
Onsite	Perched Zone	MW-1S	12/2/2021	397080.69	2049117.99	21.0-24.0	148.88	19.55	129.33
Onsite	Surficial Aquifer	MW-20D	12/2/2021	400791.01	2048733.71	65 to 75	137.2	47.37	89.83
Onsite	Surficial Aquifer	MW-21D	12/2/2021	399501.88	2047074.92	72 to 82	151.42	45.47	105.95
Onsite	Surficial Aquifer	MW-22D	12/2/2021	398518.4	2048362.48	52 to 72	149.09	35.57	113.52
Onsite	Perched Zone	MW-23	12/2/2021	396237.61	2051063.25	9.5 to 14.5	148.34	15.16	133.18
Onsite	Perched Zone	MW-24	12/2/2021	397303.94	2048767.69	18.8 to 23.8	150.31	22.27	128.04
Onsite	Perched Zone	MW-25	12/2/2021	396753.37	2050989.82	12 to 17	147.59	14.65	132.94
Onsite	Perched Zone	MW-26	12/2/2021	396265.18	2051484.67	5 to 10	147.7	DRY	--
Onsite	Perched Zone	MW-27	12/2/2021	396010.33	2051472	10 to 15	146.83	15.51	131.32
Onsite	Perched Zone	MW-28	12/2/2021	395719.79	2051165.93	9 to 14	144.7	14.52	130.18
Onsite	Perched Zone	MW-30	12/2/2021	397340.79	2050776.09	10 to 15	147.67	DRY	--
Onsite	Perched Zone	MW-31	12/2/2021	396390.698	2049622.884	17-22	147.699	16.71	130.99
Onsite	Perched Zone	MW-32	12/2/2021	396359.577	2049651.789	13-18.5	147.106	15.63	131.48
Onsite	Perched Zone	MW-33	12/2/2021	396337.507	2049678.558	12-17	146.82	15.13	131.69
Onsite	Perched Zone	MW-34	12/2/2021	396352.902	2049619.086	17-22	147.972	16.54	131.43
Onsite	Perched Zone	MW-35	12/2/2021	396332.943	2049631.155	14-19	147.541	15.98	131.56
Onsite	Perched Zone	MW-36	12/2/2021	396320.088	2049651.174	12-17	147.889	16.29	131.60
Onsite	Perched Zone	MW-7S	12/2/2021	397444.5245	2049809.731	NA	147.47	11.85	135.62
Onsite	Perched Zone	MW-9S	12/2/2021	396760.1617	2049734.296	17.5-22.5	154.39	22.08	132.31
Onsite	Perched Zone	NAF-01	12/2/2021	398348.58	2050339.68	5.0-15.0	148.65	10.52	138.13
Onsite	Perched Zone	NAF-02	12/2/2021	398660.16	2050634.55	5.0-15.0	149.28	11.08	138.20
Onsite	Perched Zone	NAF-03	12/2/2021	398578.63	2050743.04	5.0-15.0	149.41	15.91	133.50
Onsite	Perched Zone	NAF-04	12/2/2021	398445.89	2050713.13	5.0-15.0	146.77	8.37	138.40
Onsite	Perched Zone	NAF-06	12/2/2021	398808.81	2050913.93	2.75-12.75	145.43	12.08	133.35
Onsite	Perched Zone	NAF-07	12/2/2021	398898.69	2050618.12	5.5-15.5	149.03	10.95	138.08
Onsite	Perched Zone	NAF-08A	12/2/2021	398098.22	2050886.93	5.0-15.0	147.74	10.55	137.19
Onsite	Surficial Aquifer	NAF-08B	12/2/2021	398095.97	2050880.18	43.5-53.5	147.83	52.74	95.09
Onsite	Perched Zone	NAF-09	12/2/2021	397708.78	2050807.44	7.0-17.0	148.62	13.22	135.40
Onsite	Perched Zone	NAF-10	12/2/2021	397611.81	2050425.2	8.25-18.25	149.25	13.97	135.28
Onsite	Perched Zone	NAF-11A	12/2/2021	398907.08	2050999.77	2.5-7.5	139.74	7.85	131.89
Onsite	Surficial Aquifer	NAF-11B	12/2/2021	398911.13	2050995.88	33.5-43.5	140.74	46.66	94.08
Onsite	Perched Zone	NAF-12	12/2/2021	398270.555	2050777.49	18 to 23	145.79	NM	--
Onsite	Black Creek Aquifer	OW-1	12/2/2021	399930.53	2051287.87	40-50	95.01	35.42	59.59
Onsite	Black Creek Aquifer	OW-10	12/2/2021	399948.17	2051291.21	40-50	94.39	34.78	59.61
Onsite	Black Creek Aquifer	OW-2	12/2/2021	398572.28	2051801.62	63-73	84.37	34.32	50.05
Onsite	Black Creek Aquifer	OW-3	12/2/2021	398601.08	2051812.32	63-73	84.64	34.77	49.87
Onsite	Black Creek Aquifer	OW-4	12/2/2021	395049.16	2052210.81	47-57	80.85	19.34	61.51
Onsite	Black Creek Aquifer	OW-5	12/2/2021	395070.03	2052196.97	54-64	81.61	19.88	61.73
Onsite	Black Creek Aquifer	OW-6	12/2/2021	396168.41	2052223.54	50-60	80.53	37.82	42.71

TABLE A6
GROUNDWATER ELEVATIONS - Q4 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Black Creek Aquifer	OW-7	12/2/2021	397180.06	2052052.69	57-67	81.45	36.18	45.27
Onsite	Black Creek Aquifer	OW-8	12/2/2021	397202.33	2052041.98	57-67	82.3	37.79	44.51
Onsite	Black Creek Aquifer	OW-9	12/2/2021	395075.14	2052211.07	54-64	79.78	18.29	61.49
Onsite	Black Creek Aquifer	PIW-10DR	12/2/2021	395093.99	2052297.3	53 - 58	75.91	14.3	61.61
Onsite	Surficial Aquifer	PIW-10S	12/2/2021	395104.95	2052296.98	7 - 17	76.32	18.89	57.43
Onsite	Black Creek Aquifer	PIW-11	12/2/2021	401911.03	2050416.29	47-57	67.02	22.8	44.22
Onsite	Black Creek Aquifer	PIW-12	12/2/2021	401703.1	2051025.77	64-74	83.78	49.48	34.30
Onsite	Black Creek Aquifer	PIW-13	12/2/2021	401464.29	2051122.6	54-64	83.18	48.85	34.33
Onsite	Black Creek Aquifer	PIW-14	12/2/2021	401163.98	2051186.57	56-66	87.43	52.42	35.01
Onsite	Black Creek Aquifer	PIW-15	12/2/2021	400706.51	2051532.8	34-44	67.85	34.69	33.16
Onsite	Black Creek Aquifer	PIW-16D	12/2/2021	396257.96	2046587.07	90-100	150.06	21.36	128.70
Onsite	Black Creek Aquifer	PIW-16S	12/2/2021	396267.84	2046586.09	35-45	149.74	17.67	132.07
Onsite	Surficial Aquifer	PIW-1D	12/2/2021	400548	2051801.28	24.5 to 29.5	52.16	19.33	32.83
Onsite	Floodplain Deposits	PIW-1S	12/2/2021	400541.03	2051792.39	7.8 - 17.8	54.04	DRY	--
Onsite	Black Creek Aquifer	PIW-2D	12/2/2021	399925.4	2051315.8	40 - 50	96.19	36.66	59.53
Onsite	Black Creek Aquifer	PIW-3D	12/2/2021	399711.25	2052086.94	19 - 24	53.42	17.69	35.73
Onsite	Black Creek Aquifer	PIW-4D	12/2/2021	398816.52	2052101.94	32.3 - 37.3	52.85	10.3	42.55
Onsite	Surficial Aquifer	PIW-5S	12/2/2021	398519.7	2051950.49	9.8 - 19.8	75.02	14.5	60.52
Onsite	Floodplain Deposits	PIW-6S	12/2/2021	398117.93	2052539.79	18 - 28	53.4	14.25	39.15
Onsite	Black Creek Aquifer	PIW-7D	12/2/2021	396787.77	2052595.65	29 - 34	48.93	5.34	43.59
Onsite	Floodplain Deposits	PIW-7S	12/2/2021	396786.97	2052589.1	7 - 17	47.97	5.2	42.77
Onsite	Black Creek Aquifer	PIW-8D[5]	12/2/2021	396403.37	2052682.1	35.5 - 40	48.66	7.11	41.55
Onsite	Black Creek Aquifer	PIW-9D	12/2/2021	396155.84	2052250.84	40 - 45	79.64	37.15	42.49
Onsite	Surficial Aquifer	PIW-9S	12/2/2021	396148.52	2052251.03	24.8 - 29.8	79.64	30.17	49.47
Onsite	Perched Zone	PW-01	12/2/2021	399064.799	2049654.303	11 - 21	149.547	11.05	138.50
Onsite	Surficial Aquifer	PW-02	12/2/2021	399779.064	2050649.466	50 - 60	146.431	56.18	90.25
Onsite	Surficial Aquifer	PW-03	12/2/2021	397339.809	2050765.319	35 - 45	147.967	42.16	105.81
Onsite	Surficial Aquifer	PW-04	12/2/2021	394659.549	2050940.657	17 - 27	97.751	27.91	69.84
Onsite	Surficial Aquifer	PW-05	12/2/2021	395873.1	2047812.929	65 - 75	150.336	29.15	121.19
Onsite	Surficial Aquifer	PW-06	12/2/2021	392868	2045288.765	19 - 29	147.691	19.47	128.22
Onsite	Surficial Aquifer	PW-07	12/2/2021	390847.706	2049258.256	28 - 38	148.16	39.86	108.30
Onsite	Black Creek Aquifer	PW-09	12/2/2021	402000.079	2048979.111	44 - 54	72.925	24.98	47.95
Onsite	Black Creek Aquifer	PW-10R	12/2/2021	398516.115	2051936.585	57 - 67	75.9	27.02	48.88
Onsite	Black Creek Aquifer	PW-11	12/2/2021	394354.363	2052226.721	53 - 63	73.263	37.37	35.89
Onsite	Black Creek Aquifer	PW-12	12/2/2021	399500.447	2047063.51	109 - 119	150.61	57.68	92.93
Onsite	Black Creek Aquifer	PW-13	12/2/2021	397584.263	2048029.184	120 - 130	149.36	32.11	117.25
Onsite	Black Creek Aquifer	PW-14	12/2/2021	397325.648	2050766.359	136 - 146	147.97	NM	--
Onsite	Black Creek Aquifer	PW-15R	12/2/2021	398900.875	2051011.753	110 - 120	136.14	NM	--
Onsite	Perched Zone	PZ-11	12/2/2021	398646.2549	2049820.937	15-20	151.03	12.33	138.70
Onsite	Perched Zone	PZ-12	12/2/2021	399091.19	2048978.89	15.1-20.1	149.89	20.32	129.57
Onsite	Perched Zone	PZ-13	12/2/2021	397707.82	2050985.25	7.1-12.1	148.14	DRY	--

TABLE A6
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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Perched Zone	PZ-14	12/2/2021	397589.9185	2050618.271	9.0-14.0	148.38	12.71	135.67
Onsite	Perched Zone	PZ-15	12/2/2021	396806.39	2050107.5	10.2-15.2	147.76	14.27	133.49
Onsite	Perched Zone	PZ-17	12/2/2021	396614.815	2048872.689	21.1-26.1	150.08	DRY	--
Onsite	Perched Zone	PZ-19R	12/2/2021	397998.663	2049919.516	16-21	150.046	14.81	135.24
Onsite	Perched Zone	PZ-20R	12/2/2021	398185.809	2049784.598	15-20	151.29	16.09	135.20
Onsite	Perched Zone	PZ-21R	12/2/2021	398445.157	2049883.125	17-22	150.674	14.96	135.71
Onsite	Black Creek Aquifer	PZ-22	12/2/2021	397271.94	2052585.34	42.5-47.5	50.7	7.08	43.62
Onsite	Perched Zone	PZ-24	12/2/2021	396117.94	2050744.07	11 to 16	147.53	14.75	132.78
Onsite	Perched Zone	PZ-25R	12/2/2021	395971.54	2050748.23	6 to 16	147.51	DRY	--
Onsite	Perched Zone	PZ-26	12/2/2021	396059.78	2050382.35	11 to 16	147.7	11.67	136.03
Onsite	Perched Zone	PZ-27	12/2/2021	395922.11	2050376.76	12 to 17	147.17	14.51	132.66
Onsite	Perched Zone	PZ-28	12/2/2021	396304.55	2049933.79	13 to 18	148.64	13.84	134.80
Onsite	Perched Zone	PZ-29	12/2/2021	396377.59	2049771.59	12 to 18	147.74	15.51	132.23
Onsite	Perched Zone	PZ-31	12/2/2021	396428.73	2049594.355	14 to 19	147.999	18.88	129.12
Onsite	Perched Zone	PZ-32	12/2/2021	396418.471	2049713.787	13 to 18	148.471	16.4	132.07
Onsite	Perched Zone	PZ-33	12/2/2021	396308.915	2049707.661	12.5-17.5	146.715	14.81	131.91
Onsite	Perched Zone	PZ-34	12/2/2021	396292.05	2049595.039	13.5-18.5	147.695	16.32	131.38
Onsite	Perched Zone	PZ-35	12/2/2021	398232.643	2050020.494	13 to 18	150.43	15.48	134.95
Onsite	Perched Zone	PZ-36	12/2/2021	396086.17	2051331.44	5 to 8.5	135.2	3.18	132.02
Onsite	Perched Zone	PZ-37	12/2/2021	396042.4	2051050.05	5 to 8	135.56	3.14	132.42
Onsite	Perched Zone	PZ-38	12/2/2021	395970.01	2050569.66	5 to 9	137.34	8.03	129.31
Onsite	Perched Zone	PZ-39	12/2/2021	395921.87	2050238.18	5 to 10	137.93	4.02	133.91
Onsite	Perched Zone	PZ-40	12/2/2021	395943.02	2050031.9	5 to 9	138.51	4.29	134.22
Onsite	Perched Zone	PZ-41	12/2/2021	395979.29	2050048.97	5 to 8.5	138.13	3.24	134.89
Onsite	Perched Zone	PZ-42	12/2/2021	395961.73	2050230.23	3 to 7	138.17	3.28	134.89
Onsite	Perched Zone	PZ-43	12/2/2021	396011.61	2050567.89	5 to 9	137.06	6.19	130.87
Onsite	Perched Zone	PZ-44	12/2/2021	396082.75	2051045.25	5 to 7	136.26	3.69	132.57
Onsite	Perched Zone	PZ-45	12/2/2021	396124.41	2051323.03	2 to 4	135.69	3.37	132.32
Onsite	Surficial Aquifer	PZ-L	12/2/2021	396745.804	2048684.008	13-28	147.86	DRY	--
Onsite	Surficial Aquifer	SMW-01	12/2/2021	395297.97	2043688.29	5.0-15.0	150.58	13.12	137.46
Onsite	Perched Zone	SMW-02	12/2/2021	399982.23	2050655.91	5.0-20.0	144.59	15.37	129.22
Onsite	Surficial Aquifer	SMW-02B	12/2/2021	399983.75	2050654.77	43.0-53.0	147.93	56	91.93
Onsite	Perched Zone	SMW-03	12/2/2021	399779.32	2049445.32	10.0-20.0	151.094	DRY	--
Onsite	Black Creek Aquifer	SMW-03B	12/2/2021	399785.752	2049421.539	72 to 82	150.43	55.76	94.67
Onsite	Perched Zone	SMW-04A	12/2/2021	399668.71	2048387.57	19.5-34.5	148.09	DRY	--
Onsite	Surficial Aquifer	SMW-04B	12/2/2021	399666.21	2048392.37	43.0-53.0	147.65	45.4	102.25
Onsite	Perched Zone	SMW-05	12/2/2021	399334.0651	2048557.335	10.0-20.0	148.099	DRY	--
Onsite	Surficial Aquifer	SMW-05P	12/2/2021	399391.46	2049235.07	45.0-60.0	149.66	44.06	105.60
Onsite	Perched Zone	SMW-06	12/2/2021	399172.346	2048759.478	12.0-22.0	150.97	DRY	--
Onsite	Surficial Aquifer	SMW-06B	12/2/2021	399144.744	2048764.939	58 to 68	150.32	47.2	103.12
Onsite	Perched Zone	SMW-07	12/2/2021	398931.13	2048611.74	13.0-23.0	146.79	19.76	127.03
Onsite	Perched Zone	SMW-08	12/2/2021	399064.972	2048468.783	21.0-31.0	151.017	DRY	--

TABLE A6
GROUNDWATER ELEVATIONS - Q4 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Onsite	Surficial Aquifer	SMW-08B	12/2/2021	399058.325	2048478.84	58 to 68	148.81	40.68	108.13
Onsite	Surficial Aquifer	SMW-09	12/2/2021	401076.889	2050017.409	52 to 62	141.43	55.92	85.51
Onsite	Surficial Aquifer	SMW-10	12/2/2021	402307.305	2047923.84	39 to 49	76.26	29.38	46.88
Onsite	Surficial Aquifer	SMW-11	12/2/2021	401996.154	2048975.382	13 to 23	71.95	13.73	58.22
Onsite	Black Creek Aquifer	SMW-12	12/2/2021	401314.202	2051007.222	88 to 98	118.22	84.21	34.01
Offsite	Black Creek Aquifer	BLADEN-1D	10/4/2021	387522.245	2050247.399	37 - 47	76.96	19.72	57.24
Offsite	Surficial Aquifer	BLADEN-1S	10/4/2021	387518.967	2050233.347	5 - 10	76.74	DRY	--
Offsite	Black Creek Aquifer	BLADEN-2D	10/4/2021	368827.094	2042878.344	70 - 75	138.27	19.8	118.47
Offsite	Surficial Aquifer	BLADEN-2S	10/4/2021	368821.463	2042882.917	10 - 20	138.04	7.32	130.72
Offsite	Black Creek Aquifer	BLADEN-3D	10/4/2021	396856.978	2059006.562	33.75 - 43.75	75.52	10.15	65.37
Offsite	Surficial Aquifer	BLADEN-3S	10/4/2021	396862.307	2059012.932	5 - 15	74.27	9.32	64.95
Offsite	Black Creek Aquifer	BLADEN-4D	10/4/2021	363255.115	2087636.869	46.75 - 51.75	59.66	1.45	58.21
Offsite	Surficial Aquifer	BLADEN-4S	10/4/2021	363263.191	2087637.461	4.75 - 14.75	59.68	6.09	53.59
Offsite	Black Creek Aquifer	CUMBERLAND-1D	10/4/2021	431459.947	2011071.39	40 - 50	174.60	7.2	167.4
Offsite	Surficial Aquifer	CUMBERLAND-1S	10/4/2021	431459.947	2011071.39	15 - 25	174.73	7.05	167.68
Offsite	Black Creek Aquifer	CUMBERLAND-2D	10/4/2021	449987.54	2074019.139	47 - 57	129.23	5.97	123.26
Offsite	Surficial Aquifer	CUMBERLAND-2S	10/4/2021	449979.1	2074020.858	7 - 17	129.06	6.44	122.62
Offsite	Black Creek Aquifer	CUMBERLAND-3D	10/4/2021	423248.115	2060409.157	22 - 27	78.79	8.43	70.36
Offsite	Surficial Aquifer	CUMBERLAND-3S	10/4/2021	423254.641	2060413.302	9 - 14	79.06	9.1	69.963
Offsite	Black Creek Aquifer	CUMBERLAND-4D	10/4/2021	413095.774	2078249.953	57 - 67	119.22	13.84	105.38
Offsite	Surficial Aquifer	CUMBERLAND-4S	10/4/2021	413086.626	2078255.528	10 - 20	119.36	7.71	111.652
Offsite	Surficial Aquifer	CUMBERLAND-5S	10/4/2021	405623.274	2138233.369	14 - 24	106.65	4.47	102.18
Offsite	Black Creek Aquifer	ROBESON-1D	10/4/2021	381416.282	2020158.933	42.75 - 52.75	156.36	14.93	141.43
Offsite	Surficial Aquifer	ROBESON-1S	10/4/2021	381408.19	2020156.855	17 - 27	156.66	12.78	143.88
Offsite	Black Creek Aquifer	BLADEN-1D	11/11/2021	387522.245	2050247.399	37 - 47	76.96	19.75	57.21
Offsite	Surficial Aquifer	BLADEN-1S	11/11/2021	387518.967	2050233.347	5 - 10	76.74	DRY	--
Offsite	Black Creek Aquifer	BLADEN-2D	11/11/2021	368827.094	2042878.344	70 - 75	138.27	19.59	118.68
Offsite	Surficial Aquifer	BLADEN-2S	11/11/2021	368821.463	2042882.917	10 - 20	138.04	7.57	130.47
Offsite	Black Creek Aquifer	BLADEN-3D	11/11/2021	396856.978	2059006.562	33.75 - 43.75	75.52	10.57	64.95
Offsite	Surficial Aquifer	BLADEN-3S	11/11/2021	396862.307	2059012.932	5 - 15	74.27	9.59	64.68
Offsite	Black Creek Aquifer	BLADEN-4D	11/11/2021	363255.115	2087636.869	46.75 - 51.75	59.66	1.88	57.78
Offsite	Surficial Aquifer	BLADEN-4S	11/11/2021	363263.191	2087637.461	4.75 - 14.75	59.68	6.53	53.15
Offsite	Black Creek Aquifer	CUMBERLAND-1D	11/11/2021	431459.947	2011071.39	40 - 50	174.6	7.84	166.76
Offsite	Surficial Aquifer	CUMBERLAND-1S	11/11/2021	431459.947	2011071.39	15 - 25	174.73	7.69	167.04
Offsite	Black Creek Aquifer	CUMBERLAND-2D	11/11/2021	449987.54	2074019.139	47 - 57	129.23	6.61	122.62
Offsite	Surficial Aquifer	CUMBERLAND-2S	11/11/2021	449979.1	2074020.858	7 - 17	129.06	7.04	122.02
Offsite	Black Creek Aquifer	CUMBERLAND-3D	11/11/2021	423248.115	2060409.157	22 - 27	78.79	9.02	69.77
Offsite	Surficial Aquifer	CUMBERLAND-3S	11/11/2021	423254.641	2060413.302	9 - 14	79.063	9.66	69.40
Offsite	Black Creek Aquifer	CUMBERLAND-4D	11/11/2021	413095.774	2078249.953	57 - 67	119.22	14.57	104.65
Offsite	Surficial Aquifer	CUMBERLAND-4S	11/11/2021	413086.626	2078255.528	10 - 20	119.362	8.26	111.10
Offsite	Black Creek Aquifer	CUMBERLAND-5D	11/11/2021	405619.17	2138238.586	52 - 57	106.67	9.63	97.04
Offsite	Surficial Aquifer	CUMBERLAND-5S	11/11/2021	405623.274	2138233.369	14 - 24	106.65	5.42	101.23

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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)
Offsite	Black Creek Aquifer	ROBESON-1D	11/11/2021	381416.282	2020158.933	42.75 - 52.75	156.36	15.95	140.41
Offsite	Surficial Aquifer	ROBESON-1S	11/11/2021	381408.19	2020156.855	17 - 27	156.66	13.73	142.93
Offsite	Black Creek Aquifer	BLADEN-1D	12/3/2021	387522.245	2050247.399	37 - 47	76.96	19.75	57.21
Offsite	Surficial Aquifer	BLADEN-1S	12/3/2021	387518.967	2050233.347	5 - 10	76.74	10.14	66.60
Offsite	Surficial Aquifer	BLADEN-2S	12/3/2021	368821.463	2042882.917	10 - 20	138.04	9.1	128.94
Offsite	Black Creek Aquifer	BLADEN-2D	12/3/2021	368827.094	2042878.344	70 - 75	138.27	19.76	118.51
Offsite	Black Creek Aquifer	BLADEN-3D	12/2/2021	396856.978	2059006.562	33.75 - 43.75	75.52	10.63	64.89
Offsite	Surficial Aquifer	BLADEN-3S	12/2/2021	396862.307	2059012.932	5 - 15	74.27	9.71	64.56
Offsite	Black Creek Aquifer	BLADEN-4D	12/2/2021	363255.115	2087636.869	46.75 - 51.75	59.66	2.03	57.63
Offsite	Surficial Aquifer	BLADEN-4S	12/2/2021	363263.191	2087637.461	4.75 - 14.75	59.68	6.67	53.01
Offsite	Black Creek Aquifer	CUMBERLAND-1D	12/3/2021	431459.947	2011071.39	40 - 50	174.6	8.11	166.49
Offsite	Surficial Aquifer	CUMBERLAND-1S	12/3/2021	431459.947	2011071.39	15 - 25	174.73	7.98	166.75
Offsite	Black Creek Aquifer	CUMBERLAND-2D	12/2/2021	449987.54	2074019.139	47 - 57	129.23	6.76	122.47
Offsite	Surficial Aquifer	CUMBERLAND-2S	12/2/2021	449979.1	2074020.858	7 - 17	129.06	7.14	121.92
Offsite	Black Creek Aquifer	CUMBERLAND-3D	12/2/2021	423248.115	2060409.157	22 - 27	78.79	9.29	69.50
Offsite	Surficial Aquifer	CUMBERLAND-3S	12/2/2021	423254.641	2060413.302	9 - 14	79.063	9.78	69.28
Offsite	Black Creek Aquifer	CUMBERLAND-4D	12/2/2021	413095.774	2078249.953	57 - 67	119.22	14.88	104.34
Offsite	Surficial Aquifer	CUMBERLAND-4S	12/2/2021	413086.626	2078255.528	10 - 20	119.362	8.6	110.76
Offsite	Black Creek Aquifer	CUMBERLAND-5D	12/2/2021	405619.17	2138238.586	52 - 57	106.67	9.15	97.52
Offsite	Surficial Aquifer	CUMBERLAND-5S	12/2/2021	405623.274	2138233.369	14 - 24	106.65	6.21	100.44
Offsite	Black Creek Aquifer	ROBESON-1D	12/3/2021	381416.282	2020158.933	42.75 - 52.75	156.36	16.4	139.96
Offsite	Surficial Aquifer	ROBESON-1S	12/3/2021	381408.19	2020156.855	17 - 27	156.66	14.27	142.39

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.

5 - Groundwater elevation for PIW-8D is based on the water level recorded on December 2, 2022 by the data logger installed in this well. The water level recorded during manual depth to water measurements was erroneous and is not reported here.

ft - feet

NAVD88 - North American Vertical Datum of 1988

NM - Not measured, well inaccessible during monitoring event.

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	10/5/2021	15:55	3.9	0.17	260	6.8	122	20.3
LTW-02	10/5/2021	14:35	4.5	0.04	-38	0.29	80	20.0
LTW-03	10/25/2021	10:20	4.1	0.16	185	3.4	87	18.0
LTW-04	10/11/2021	9:45	4.8	0.09	92	9.7	66	19.3
LTW-05	10/12/2021	12:15	4.2	0.07	91	13	86	19.6
PIW-1D	10/11/2021	13:40	3.6	0.08	112	11	141	18.9
PIW-1S	10/11/2021	14:05	4.0	2.6	128	17	184	19.6
PIW-3D	10/11/2021	14:10	4.3	0.03	10	9.9	86	18.0
PIW-7D	10/11/2021	11:15	4.1	0.06	75	17	96	18.8
PIW-7S	10/11/2021	12:35	5.6	0.03	-71	3.8	124	18.8
PW-04	10/13/2021	16:05	3.6	0.37	306	8.2	272	24.5
PW-06	10/12/2021	13:40	4.3	3.0	89	0.87	40	19.2
PW-07	10/25/2021	14:40	4.7	7.4	188	3.1	21	23.5
PW-09[1]	10/27/2021	15:45	6.5	0.15	-107	30	75	17.5
PZ-22	10/11/2021	10:50	4.5	0.05	86	1.6	76	18.6
SMW-10	10/25/2021	13:50	5.1	0.06	31	2.2	67	19.3
SMW-11	10/27/2021	10:50	3.9	4.1	229	3.3	45	17.9
SMW-12	10/25/2021	13:30	3.6	0.15	-33	4.4	204	18.7
LTW-01	11/4/2021	12:20	3.8	0.28	321	0.0	121	16.2
LTW-02	11/29/2021	12:25	5.0	0.05	87	12	73	17.3
LTW-03	11/3/2021	11:11	4.5	0.07	117	1.6	71	17.0
LTW-04	11/18/2021	13:30	4.7	0.16	192	16	87	18.5
LTW-05	11/17/2021	11:55	4.8	0.09	162	12	98	19.4

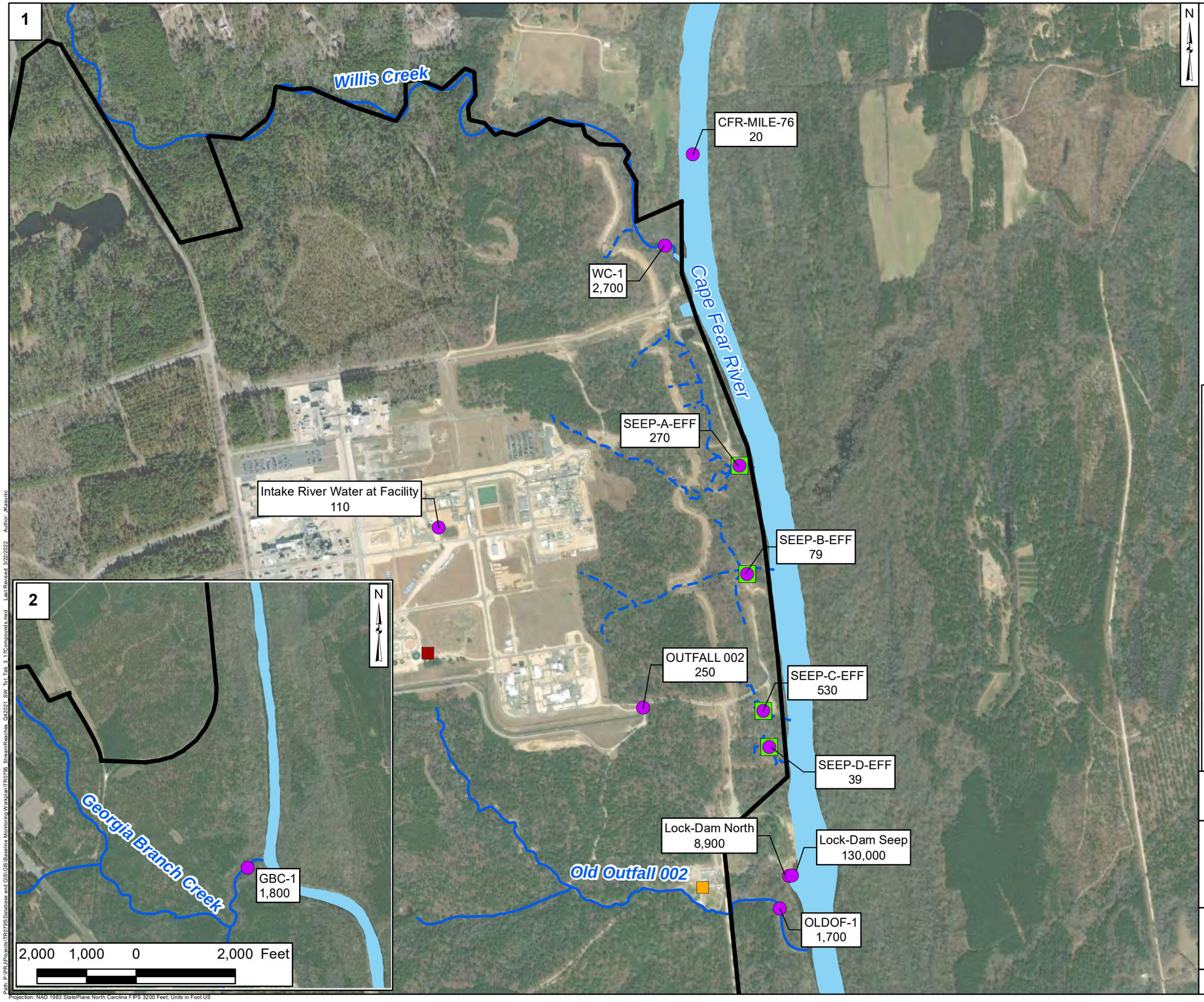
TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

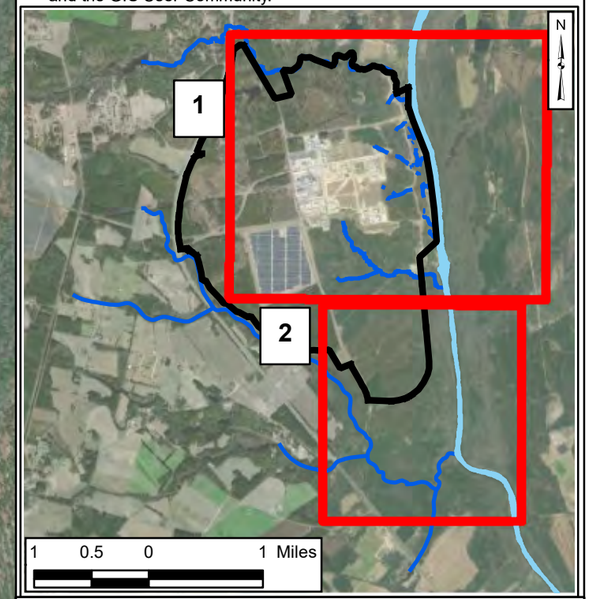
Location	Date	Time	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (µS/cm)	Temperature (°C)
PIW-1D	11/16/2021	15:25	3.6	0.20	298	1.7	162	17.3
PIW-3D	11/29/2021	13:20	4.7	0.07	-30	9.0	78	16.8
PIW-7D	11/17/2021	14:20	4.5	0.05	-71	14	80	18.4
PIW-7S	11/23/2021	12:35	5.7	0.05	-131	4.3	154	16.3
PW-04	11/4/2021	13:10	3.4	0.34	300	17	281	16.1
PW-06	11/12/2021	12:30	4.2	3.2	198	9.5	61	19.1
PW-07	11/22/2021	13:40	4.7	7.9	187	30	180	18.9
PW-09[1]	11/16/2021	15:20	6.7	0.19	-131	63	76	17.3
PZ-22	11/18/2021	14:30	4.5	0.09	69	0.0	97	18.8
SMW-10	11/3/2021	13:30	5.4	0.07	-94	3.6	57	16.6
SMW-11	11/16/2021	11:40	4.2	4.2	227	2.8	49	17.9
SMW-12	11/22/2021	11:50	3.7	0.47	-26	13	208	17
LTW-01	12/28/2021	13:35	4.0	0.26	290	0.0	116	19.1
LTW-02	12/28/2021	14:40	5.0	0.07	95	0.58	61	18.3
LTW-03	12/8/2021	15:40	4.5	0.26	214	0.51	97	16.9
LTW-04	12/6/2021	11:35	4.7	0.20	206	16	84	18.7
LTW-05	12/22/2021	15:40	4.1	0.10	160	16	113	17.0
PIW-1D	12/27/2021	12:20	3.5	0.05	367	13.6	171	17.5
PIW-3D	12/21/2021	15:12	4.6	0.05	84	1.6	94	16.3
PIW-7D	12/6/2021	14:55	4.2	0.05	24	0.39	96	18.4
PIW-7S	12/6/2021	16:05	5.7	0.03	-41	5.8	158	18.4
PW-04[1]	12/28/2021	11:55	3.2	0.29	374	32	508	19.1
PW-06	12/6/2021	14:15	4.4	2.8	221	0.67	47	18.3

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)
PW-07	12/8/2021	13:45	5.2	8.7	198	1.0	31	17.9
PW-09[1]	12/16/2021	14:45	6.6	0.25	-44	59	79	17.4
PZ-22	12/6/2021	12:40	4.5	0.05	125	0.14	94	18.5
SMW-10	12/27/2021	11:10	5.3	0.18	162	4.2	86	17.0
SMW-11	12/16/2021	10:50	4.2	4.7	336	0.34	55	16.8
SMW-12	12/21/2021	12:52	3.7	0.09	189	5.6	246	15.7

Notes:
1 - samples collected at PW-09 in all months and PW-04 in December 2021 were field filtered before lab analysis due to high turbidity.
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - nephelometric Turbidity Unit
S.U. - Standard Units





Legend

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

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

Notes:
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 - October 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

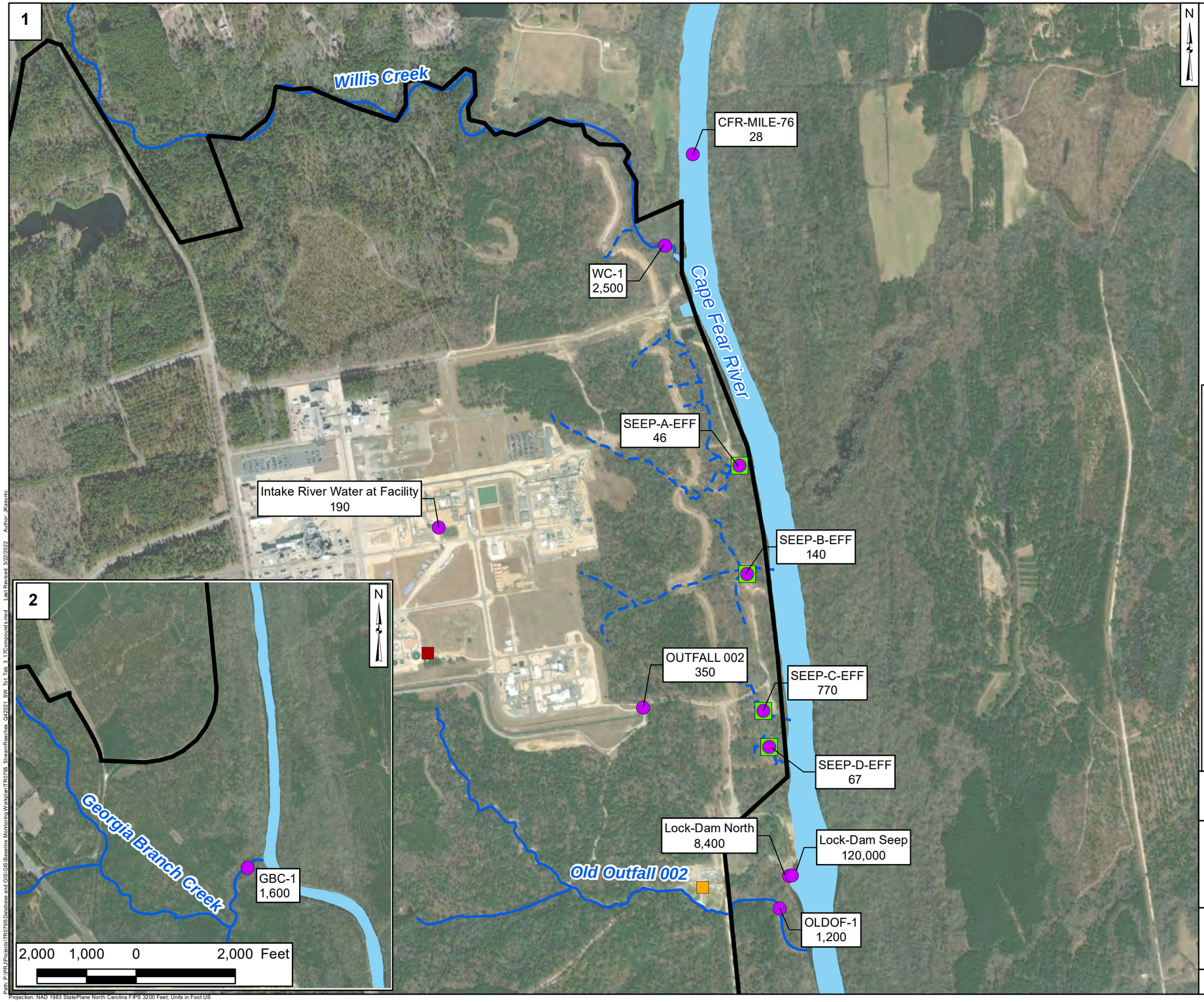
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

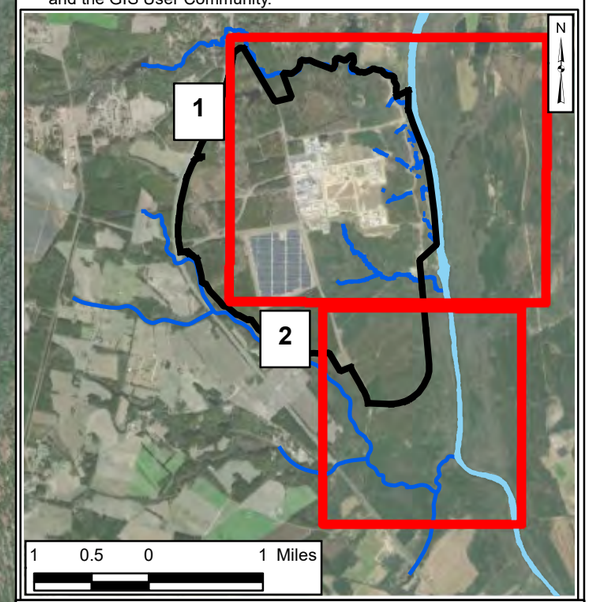
Raleigh | March 2022

Figure
A1-1

Path: P:\PRJ\Projects\TR0799\Database and GIS\GIS\Baseline Monitoring Workplan\TR0796_StreamReaches_Q42021_SW_To1_Tab_3_17Compounds.mxd Last Revised: 3/22/2022 Author: JKeuris

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





Legend

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

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

Notes:
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 - November 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

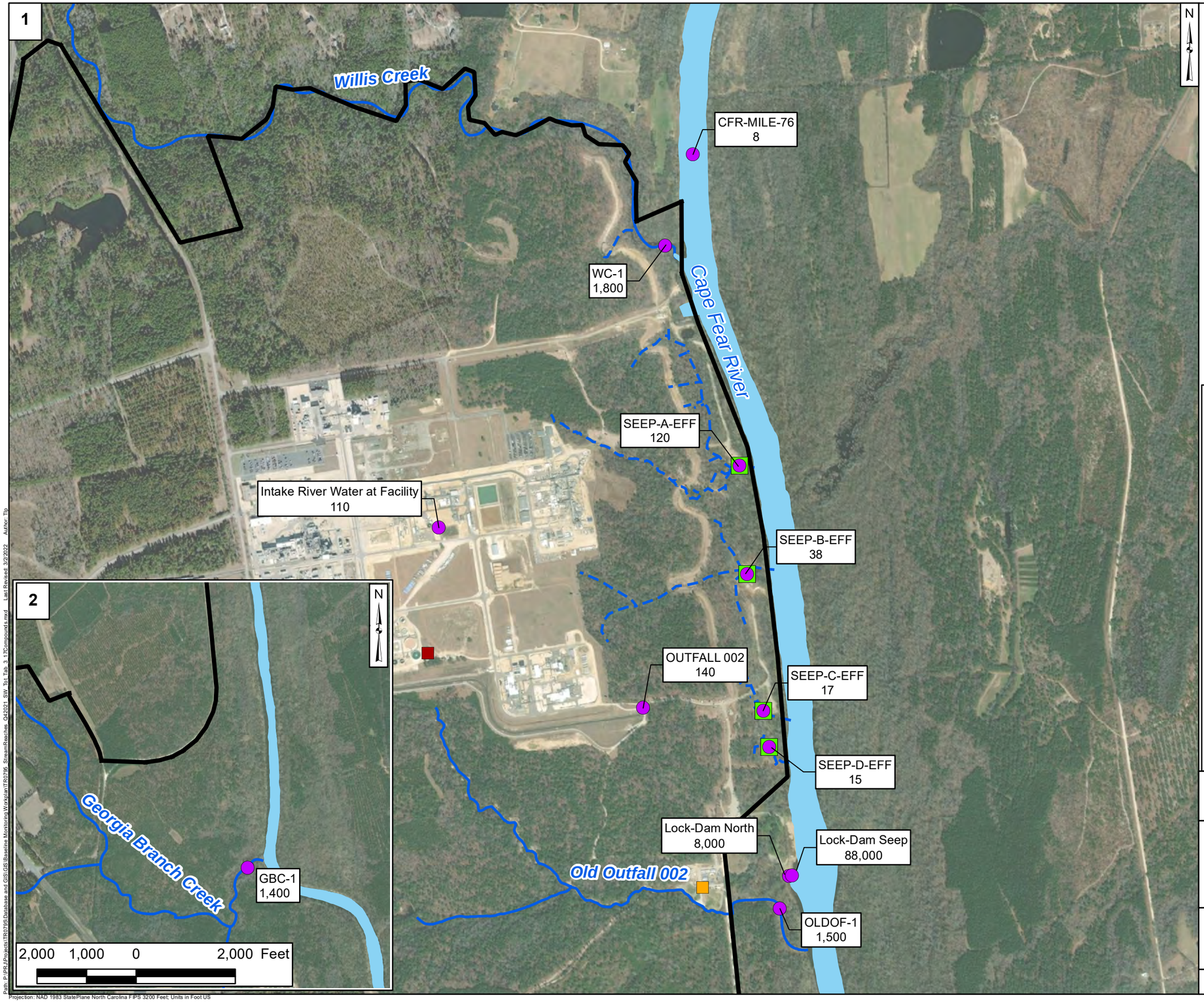
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

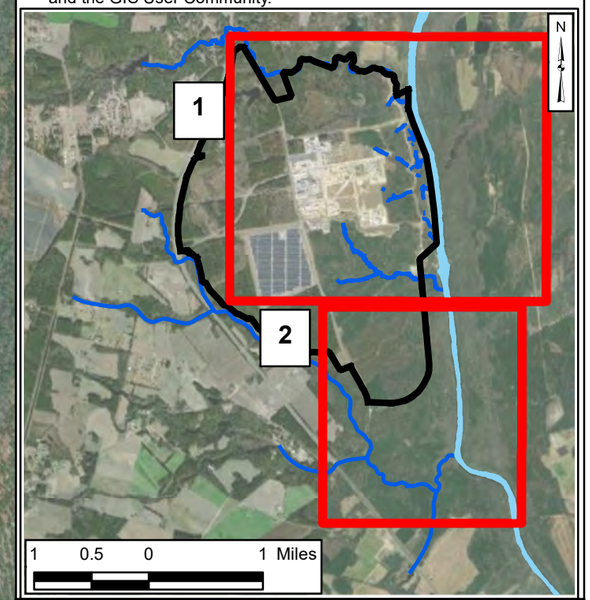
Raleigh | March 2022

Figure
A1-2

Path: P:\PR\Projects\TR0796\Database and GIS\GIS\Baseline Monitoring Workplan\TR0796_StreamReaches_Q42021_SW_To1_Tab_3_17Compounds.mxd Last Revised: 3/22/2022 Author: JKeuris

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





Legend

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

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

Notes:
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 - December 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | March 2022

Figure
A1-3

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_StreamReaches_Q42021_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 3/2/2022 Author: Tlp

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

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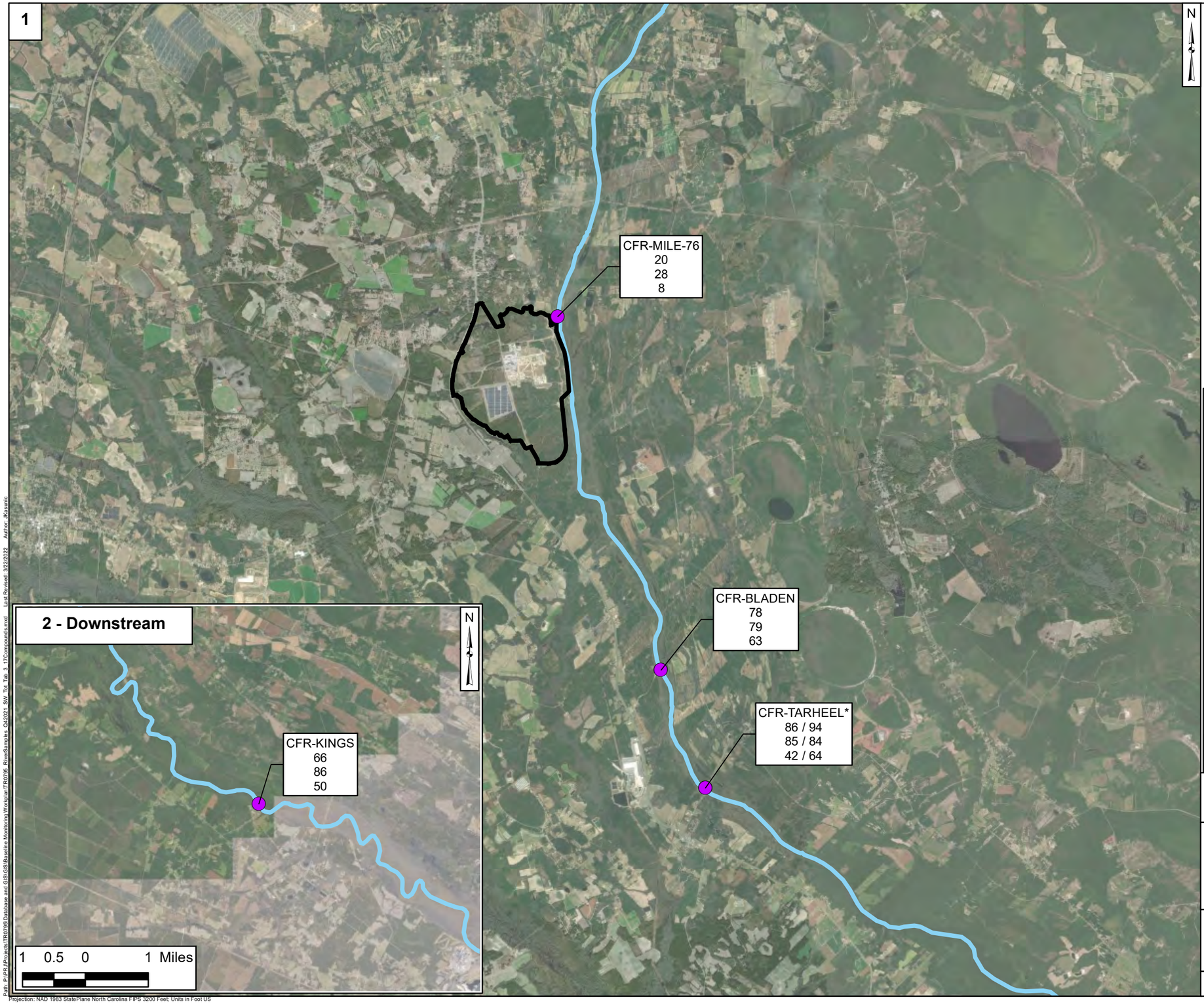


2 - Downstream

Legend

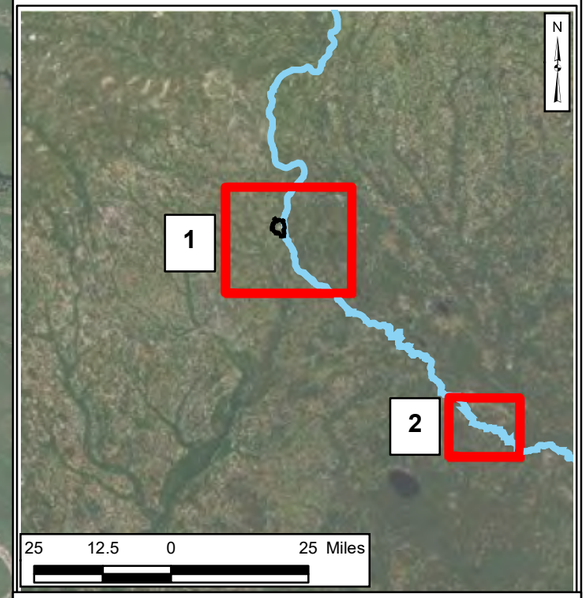
- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN — Location Name
78 — October 2021
79 — November 2021
63 — December 2021

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) - Q4 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | March 2022

Figure **A2**

Author: JKasunic
Last Revised: 3/22/2022
Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring\Workplan\TR0795_RiverSamples_Q42021_SW_Tot_Tab_3_17Compounds.mxd
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

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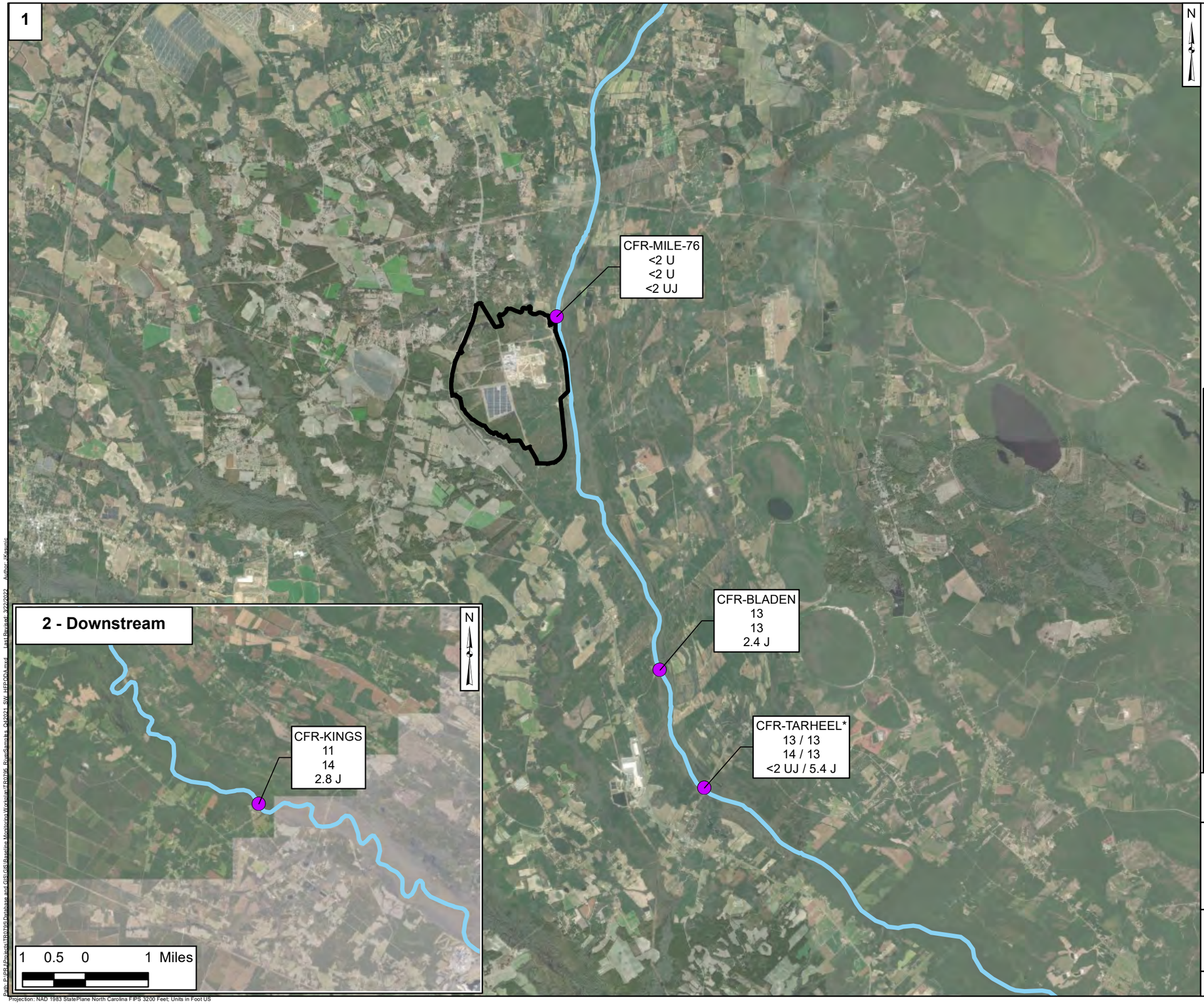


Legend

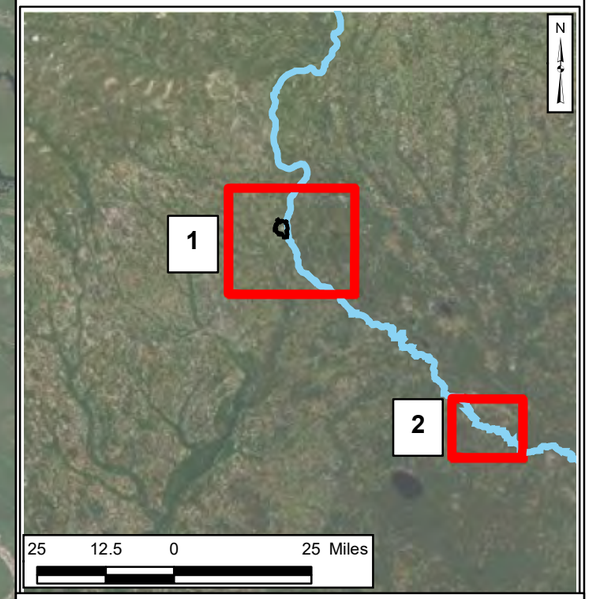
Sample Location

Cape Fear River

Site Boundary

CFR-BLADEN — Location Name
13 — October 2021
13 — November 2021
2.4 J — December 2021

Notes:
* - Multiple results are shown at CFR-TARHEEL for grab and composite samples.
< - Analyte not detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
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.



2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations - Q4 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

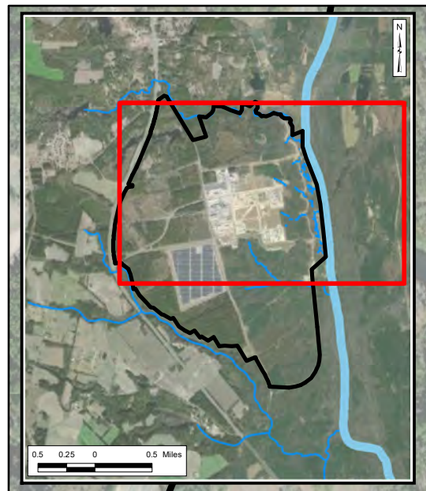
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure **A3**

Path: P:\PR_JP\projects\TR0706\Database and GIS\GIS\Baseline Monitoring\Workplan\TR0706_RiverSamples_Q42021_SW_HFPODA.mxd Last Revised: 3/22/2022 Author: IKaunis

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



Willis Creek

Cape Fear River

Seep A

Seep B

Seep C

Seep D

SMW-03 DRY
SMW-02 130.65
SMW-04A 110.99
SMW-06 DRY
SMW-05 125.19
PW-01 133.64
PZ-12 129.79
NAF-03 133.77
NAF-06 133.63
NAF-07 138.68
SMW-08 DRY
PZ-11 139.74
NAF-11A 132.83
NAF-02 138.88
PZ-21R 136.88
SMW-07 126.93
NAF-04 139.09
PZ-35 137.10
FTA-01 132.49
NAF-12 130.15
PZ-20R 136.08
NAF-08A 137.79
FTA-02 131.55
NAF-01 139.18
PZ-13 135.96
NAF-10 136.25
FTA-03 132.21
PZ-19R 136.21
NAF-09 136.15
MW-7S 136.32
MW-24 128.22
MW-12S 130.67
MW-30 133.15
PZ-14 136.74
MW-1S 129.72
MW-9S 132.93
PZ-15 134.13
MW-25 133.35
MW-26 135.07
PZ-17 121.84
PZ-28 135.52
MW-23 133.96
PZ-45 133.19
MW-11 125.22
PZ-41 135.59
PZ-42 135.33
MW-27 131.69
PZ-40 135.39
PZ-36 132.90
PZ-39 135.19
PZ-26 134.90
PZ-44 133.89
PZ-27 134.07
PZ-37 133.64
PZ-43 131.28
MW-28 130.36
PZ-38 DRY
PZ-24 132.99
PZ-25R 128.49

130
135

Pilot Test Area for PlumeStop™

PZ-31 130.50
PZ-32 133.21
MW-31 131.87
PZ-29 133.39
MW-34 132.15
MW-35 132.22
PZ-33 132.71
MW-33 132.51
PZ-34 131.82
MW-36 131.28
MW-32 132.30

70 35 0 70 Feet

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

1,000 500 0 1,000 Feet

Groundwater Elevation Map Perched Zone - October 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

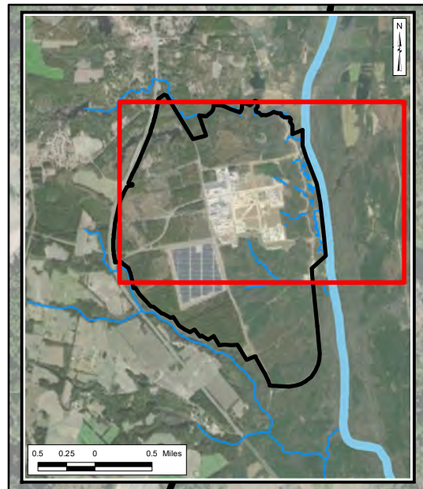
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure A4-1

Path: P:\PRJP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Perched Q420.21.mxd Last Revised: 3/2/2022 Author: Tp

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



Willis Creek

SMW-10
46.75

SMW-11
58.60

INSITU-02
DRY

INSITU-01
83.02

MW-19D
89.00

SMW-09
86.35

MW-20D
90.53

MW-18D
88.57

SMW-02B
91.95

PW-02
91.04

SMW-04B
103.23

MW-21D
106.87

SMW-05P
106.67

SMW-06B
104.16

NAF-11B
94.10

MW-22D
114.75

SMW-08B
109.20

MW-15DRR
104.11

PIW-5S
60.79

MW-17D
118.50

MW-16D
113.95

NAF-08B
95.20

Cape Fear River

Seep A

Seep B

PW-03
106.05

MW-13D
104.99

MW-14D
110.73

PZ-L
117.82

PIW-16S
131.48

PIW-9S
50.10

Seep C

PW-05
122.52

Seep D

SMW-01
137.76

PIW-10S
57.51

PW-04
71.17

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

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - October 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

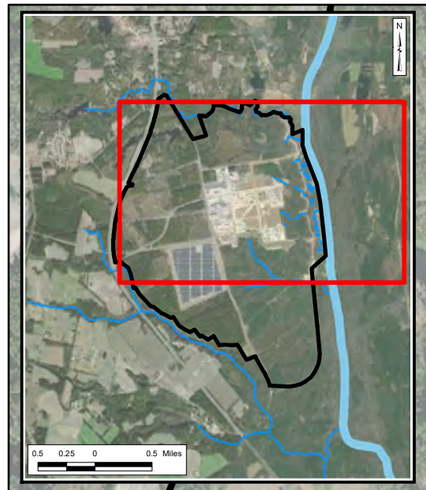
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A4-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Surficial Q42021.mxd Last Revised: 3/2/2022 Author: Tlp

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



Willis Creek

PW-09 47.84
PIW-11 37.12
PIW-12 34.39
PIW-13 34.55
SMW-12 34.29
PIW-14 35.33
PIW-15 33.49
PIW-1S 32.51
PIW-1D 33.27
PIW-3D 35.92
LTW-01 36.20
OW-1 59.94
OW-10 59.95
EW-1 59.68
PIW-2D 59.87
BCA-01 NM
SMW-03B 94.68
PW-12 93.54
LTW-02 42.11
PIW-4D 42.46
PW-15R NM
BCA-03R 102.07
EW-4 50.42
PW-10R 48.19
OW-2 50.16
OW-3 50.00
LTW-03 38.75
PIW-6S 38.89
PW-13 118.48
PZ-22 43.58
LTW-04 47.52
PW-14 87.48
EW-5 45.29
OW-7 45.23
PIW-7S 42.66
PIW-7D 43.51
OW-8 44.49
LTW-05 41.54
PIW-16D 130.02
PIW-8D 41.56
BCA-02 75.35
PIW-9D 42.61
EW-2 45.05
OW-6 42.74
BCA-04 122.98
PIW-10DR 61.60
EW-3 61.66
OW-4 61.68
OW-5 61.87
OW-9 61.82
PW-11 41.91

50 60 70 80 90 100 110 120 130

Cape Fear River

Seep A
Seep B
Seep C
Seep D

N

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

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - October 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

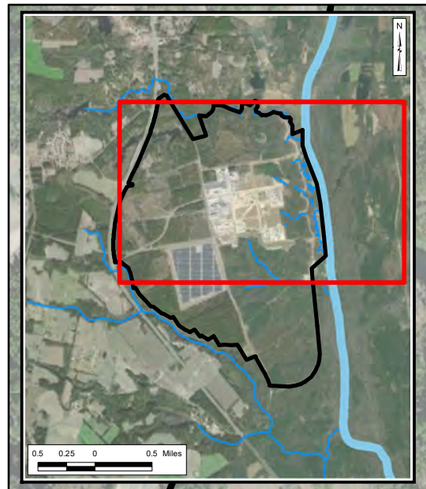
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A4-3

Path: P:\PRJP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q42021.mxd Last Revised: 3/2/2022 Author: Tip

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



Willis Creek

Cape Fear River

Seep A

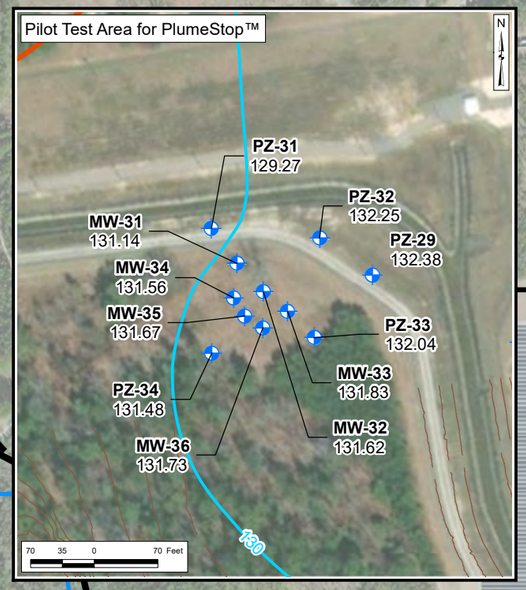
Seep B

Seep C

Seep D

SMW-03 DRY
SMW-02 129.85
SMW-04A 111.00
SMW-06 DRY
SMW-05 125.18
PW-01 133.26
PZ-12 129.67
NAF-03 134.96
NAF-06 133.57
NAF-07 138.32
SMW-08 DRY
PZ-11 139.17
NAF-02 138.41
NAF-11A 132.25
PZ-21R 136.18
SMW-07 127.18
NAF-04 138.60
PZ-35 136.36
FTA-01 132.38
NAF-12 126.41
PZ-20R 135.49
NAF-08A 137.38
FTA-02 131.27
NAF-01 138.44
NAF-10 135.66
PZ-13 135.75
FTA-03 131.93
PZ-19R 135.56
NAF-09 135.59
MW-7S 135.86
MW-24 128.17
MW-12S 130.37
MW-8S 141.30
MW-30 132.72
PZ-14 136.08
MW-1S 129.45
MW-9S 132.56
PZ-15 133.71
MW-25 133.12
MW-26 134.96
PZ-17 121.83
PZ-28 134.76
PZ-42 134.18
MW-23 133.32
PZ-45 132.40
MW-11 125.00
PZ-41 134.44
MW-27 131.50
PZ-40 134.17
PZ-36 132.19
PZ-39 133.92
PZ-44 132.70
PZ-26 135.00
PZ-37 132.43
PZ-27 132.62
MW-28 130.29
PZ-43 DRY
PZ-24 132.56
PZ-38 DRY
PZ-25R 128.50

130
135
140



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 November 11, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - November 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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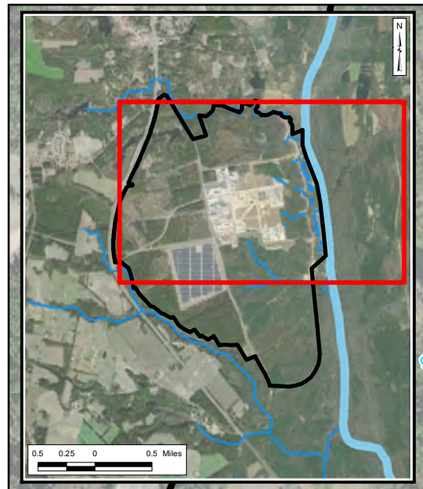
Figure
A5-1

Path: P:\PRJP\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Perched Q4\2021.mxd Last Revised: 3/2/2022 Author: Tp

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



Willis Creek

SMW-10
46.73

SMW-11
58.34

INSITU-02
DRY

INSITU-01
82.87

MW-19D
88.53

SMW-09
85.80

MW-20D
90.08

MW-18D
88.24

SMW-02B
91.95

PW-02
90.54

SMW-04B
102.61

MW-21D
106.28

SMW-05P
106.02

SMW-06B
103.50

NAF-11B
94.08

MW-22D
114.01

SMW-08B
108.54

MW-15DRR
103.59

PIW-5S
60.61

MW-17D
117.64

MW-16D
113.21

NAF-08B
95.17

Cape Fear River

Seep A

Seep B

PW-03
105.83

MW-13D
104.59

MW-14D
110.06

PZ-L
117.82

PIW-16S
132.59

PIW-9S
49.69

Seep C

PW-05
121.70

Seep D

SMW-01
137.59

PIW-10S
57.46

PW-04
70.28

60 70 80 90 100 110 120 130

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 November 11, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - November 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

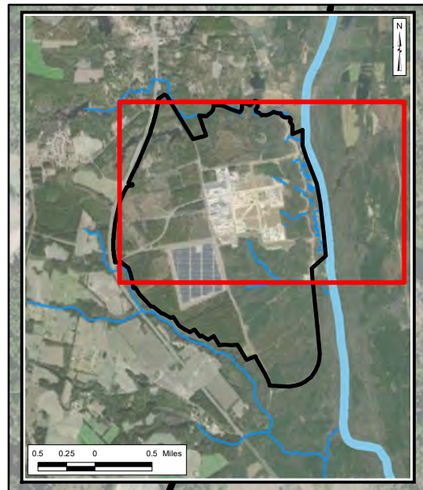
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A5-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Surficial Q420211.mxd Last Revised: 3/2/2022 Author: Tlp

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



Willis Creek

PW-09 47.74
PIW-11 44.33
PIW-12 34.26
PIW-13 34.33
SMW-12 33.95
PIW-14 34.97
PIW-15 33.21
PIW-1S 32.39
PIW-1D 32.94
PIW-3D 35.78
LTW-01 36.10
OW-1 59.69
OW-10 59.73
EW-1 59.48
PIW-2D 59.65
BCA-01 NM
SMW-03B 94.04
PW-12 93.14
LTW-02 42.13
PIW-4D 42.48
PW-15R NM
BCA-03R 101.50
EW-4 50.28
OW-2 50.01
OW-3 49.83
PW-10R 48.82
LTW-03 38.80
PIW-6S 38.90
Seep A
Seep B
PZ-22 43.45
LTW-04 42.34
PW-13 117.69
PW-14 NM
EW-5 46.18
OW-7 45.13
OW-8 44.37
PIW-7S 42.63
PIW-7D 43.42
LTW-05 41.45
PIW-16D 129.17
PIW-8D 41.46
PIW-9D 42.46
BCA-02 NM
EW-2 44.86
OW-6 42.59
Seep C
Seep D
BCA-04 122.19
PIW-10DR 60.57
EW-3 61.00
OW-4 61.05
OW-5 61.27
OW-9 61.20
PW-11 41.15

50 60 70 80 90 100 110 120

Cape Fear River

N

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 November 11, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - November 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

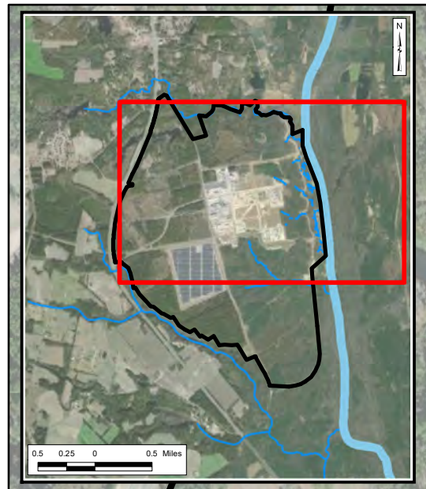
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A5-3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q42021.mxd Last Revised: 3/2/2022 Author: Tip

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



Willis Creek

Cape Fear River

Seep A

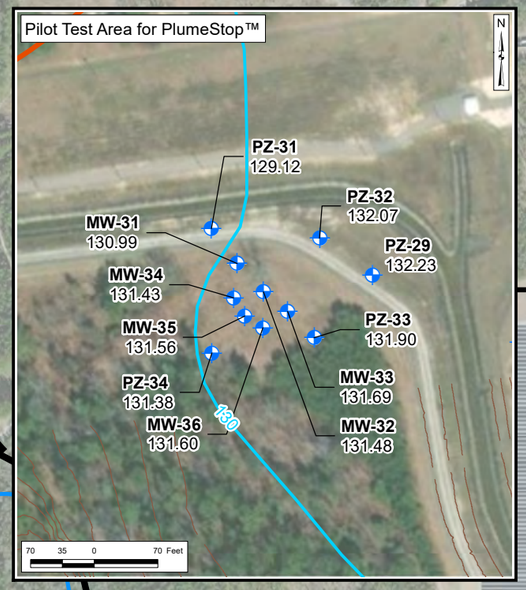
Seep B

Seep C

Seep D

SMW-03 DRY
SMW-02 129.22
SMW-04A DRY
SMW-06 DRY
SMW-05 DRY
PW-01 138.50
PZ-12 129.57
NAF-03 133.50
NAF-06 133.35
NAF-07 138.08
SMW-08 DRY
PZ-11 138.70
NAF-11A 131.89
NAF-02 138.20
PZ-21R 135.71
SMW-07 127.03
NAF-04 138.40
PZ-35 134.95
NAF-12 NM
FTA-01 131.89
PZ-20R 135.20
NAF-08A 137.19
FTA-02 131.13
NAF-01 138.13
PZ-13 DRY
NAF-10 135.28
FTA-03 131.68
PZ-19R 135.24
NAF-09 135.40
MW-7S 135.62
MW-24 128.04
MW-12S 130.21
MW-30 DRY
PZ-14 135.67
MW-1S 129.33
MW-9S 132.31
PZ-15 133.49
PZ-17 DRY
MW-25 132.94
MW-26 DRY
PZ-28 134.80
MW-23 133.18
PZ-45 132.32
MW-11 124.98
PZ-41 134.89
PZ-42 134.89
MW-27 131.32
PZ-40 134.22
PZ-36 132.02
PZ-39 133.91
PZ-26 136.03
PZ-44 132.57
PZ-27 132.66
PZ-37 132.42
PZ-43 130.87
MW-28 130.18
PZ-38 129.31
PZ-24 132.78
PZ-25R DRY

130
135



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

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - December 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

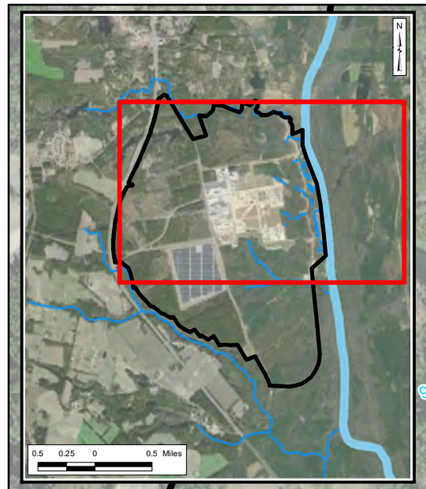
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A6-1

Path: P:\PRJP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Perched_Q420211.mxd Last Revised: 3/2/2022 Author: Tp

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



Willis Creek

SMW-10
46.88

SMW-11
58.22

INSITU-02
DRY

INSITU-01
82.87

MW-19D
88.28

SMW-09
85.51

MW-20D
89.83

MW-18D
88.06

SMW-02B
91.93

PW-02
90.25

SMW-04B
102.25

MW-21D
105.95

SMW-05P
105.60

SMW-06B
103.12

NAF-11B
94.08

SMW-08B
108.13

MW-22D
113.52

MW-15DRR
103.26

PIW-5S
60.52

MW-17D
117.14

MW-16D
112.74

NAF-08B
95.09

Cape Fear River

Seep A

Seep B

PW-03
105.81

MW-13D
104.24

MW-14D
109.58

PZ-L
DRY

PIW-16S
132.07

PW-05
121.19

PIW-9S
49.47

Seep C

Seep D

SMW-01
137.46

PIW-10S
57.43

PW-04
69.84

60 70 80 90 100 110 120 130

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 December 2, 2021.
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3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
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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 - December 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

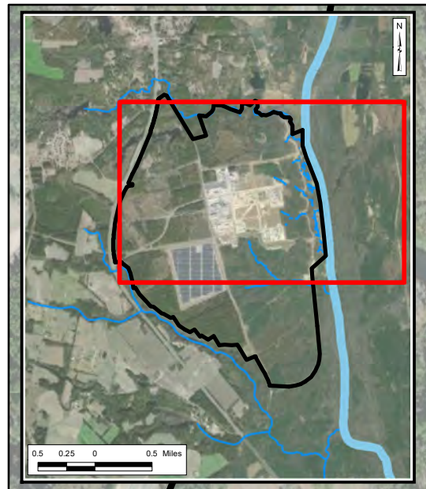
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | March 2022

Figure
A6-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Surficial Q42021.mxd Last Revised: 3/2/2022 Author: Tlp

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



Willis Creek

PW-09 47.94
PIW-11 44.22
PIW-12 34.30
PIW-13 34.33
SMW-12 34.01
PIW-14 35.01
PIW-15 33.16
PIW-1S DRY
PIW-1D 32.83
PIW-3D 35.73
LTW-01 36.10
OW-1 59.59
OW-10 59.61
EW-1 59.38
PIW-2D 59.53
SMW-03B 94.67
BCA-01 NM
PW-12 92.93
LTW-02 42.19
PIW-4D 42.55
PW-15R NM
BCA-03R 101.19
EW-4 50.29
OW-2 50.05
OW-3 49.87
PW-10R 48.88
LTW-03 38.90
PIW-6S 39.15
Seep A
Seep B
Seep C
Seep D
PZ-22 43.62
LTW-04 42.11
PW-13 117.25
PW-14 NM
EW-5 45.32
OW-7 45.27
OW-8 44.51
PIW-7S 42.77
PIW-7D 43.59
LTW-05 41.58
PIW-16D 128.70
PIW-8D 41.55*
PIW-9D 42.49
BCA-02 NM
EW-2 44.90
OW-6 42.71
BCA-04 121.71
PIW-10DR 61.61
EW-3 61.46
OW-4 61.51
OW-5 61.73
OW-9 61.49
PW-11 35.89

50 60 70 80 90 100 110 120

Cape Fear River

N

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:

* - Groundwater elevation for PIW-8D is based on the water level recorded on December 2, 2021 by the data logger installed in this well. The water level recorded during manual depth to water measurements was erroneous and is not shown here.

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

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - December 2021

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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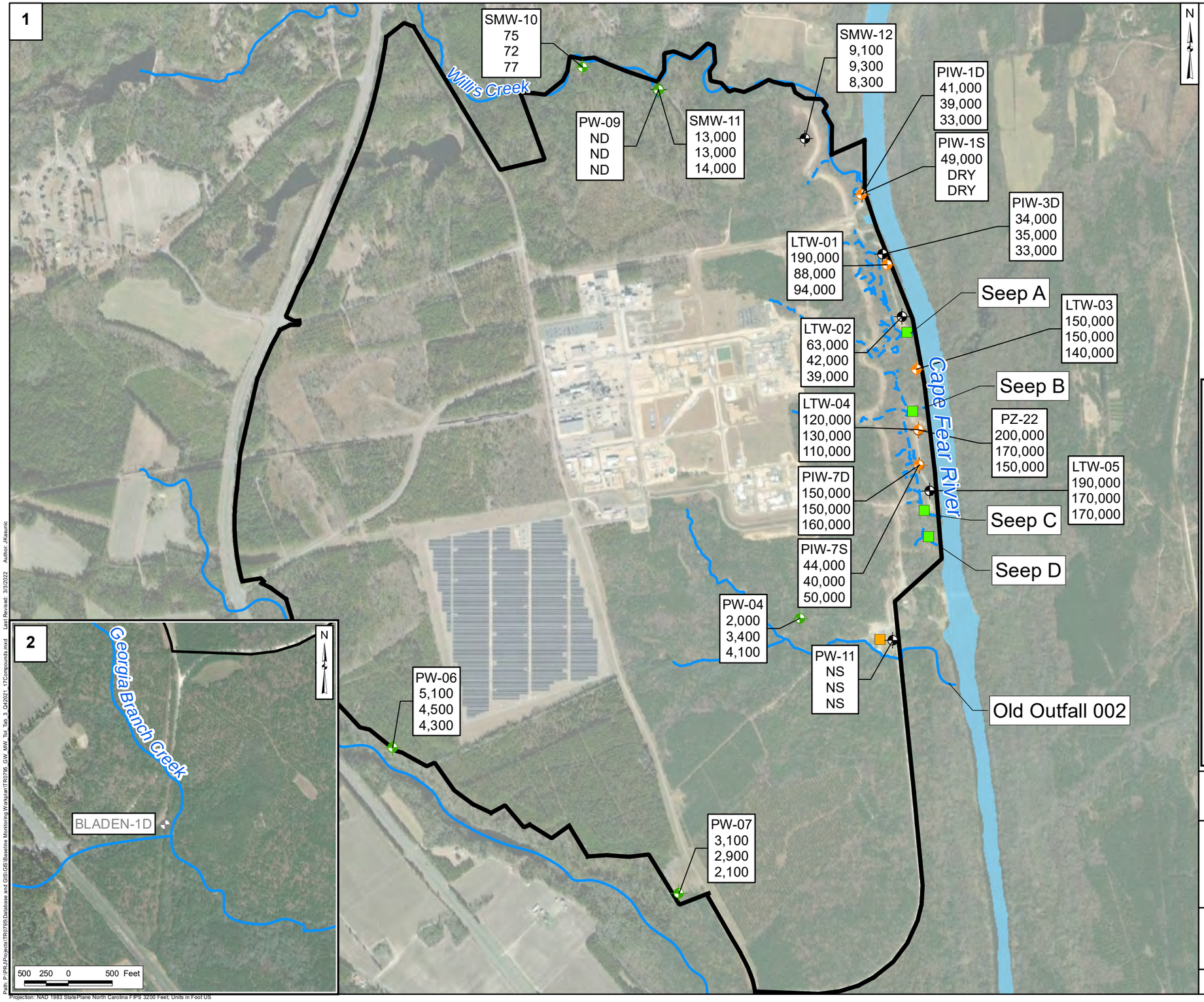
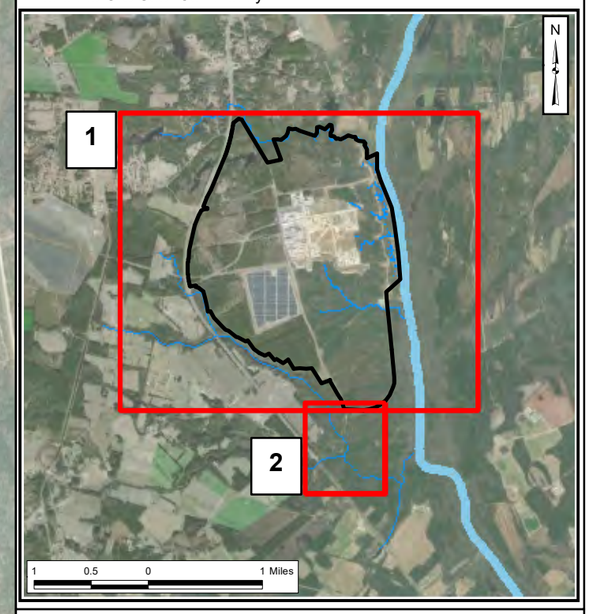
Figure
A6-3

Path: P:\PRJP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q42021.mxd Last Revised: 3/2/2022 Author: Tip

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



Notes:
ND - no Table 3+ analytes (17 compounds) were detected above the associated reporting limits
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 - Q4 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure **A7**

Path: P:\PR\JProjects\1TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\1TR0795_GW_MW_Tot_Tab_3_Q42021_17Compounds.mxd Last Revised: 3/3/2022 Author: JKasunic

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

Appendix B
Supplemental Tables

TABLE B1-1
SEEP B FLUME DATA - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
10/19/2021	11:27:44 AM	1.243	0.42	69.23	2,077
10/19/2021	11:57:44 AM	1.264	0.42	72.35	2,171
10/19/2021	12:27:44 PM	1.213	0.41	64.93	1,948
10/19/2021	12:57:44 PM	1.266	0.42	72.65	2,180
10/19/2021	1:27:44 PM	1.151	0.39	56.56	1,697
10/19/2021	1:57:44 PM	1.25	0.42	70.26	2,108
10/19/2021	2:27:44 PM	1.189	0.40	61.60	1,848
10/19/2021	2:57:44 PM	1.277	0.43	74.33	2,230
10/19/2021	3:27:44 PM	1.211	0.41	64.64	1,939
10/19/2021	3:57:44 PM	1.274	0.43	73.87	2,216
10/19/2021	4:27:44 PM	1.261	0.42	71.90	2,157
10/19/2021	4:57:44 PM	1.29	0.43	76.33	2,290
10/19/2021	5:27:44 PM	1.306	0.44	78.85	2,365
10/19/2021	5:57:44 PM	1.265	0.42	72.50	2,175
10/19/2021	6:27:44 PM	1.318	0.44	80.77	2,423
10/19/2021	6:57:44 PM	1.254	0.42	70.86	2,126
10/19/2021	7:27:44 PM	1.315	0.44	80.29	2,409
10/19/2021	7:57:44 PM	1.231	0.41	67.49	2,025
10/19/2021	8:27:44 PM	1.246	0.42	69.67	2,090
10/19/2021	8:57:44 PM	1.229	0.41	67.20	2,016
10/19/2021	9:27:44 PM	1.273	0.43	73.72	2,211
10/19/2021	9:57:44 PM	1.224	0.41	66.49	1,995
10/19/2021	10:27:44 PM	1.221	0.41	66.06	1,982
10/19/2021	10:57:44 PM	1.228	0.41	67.06	2,012
10/19/2021	11:27:44 PM	1.222	0.41	66.20	1,986
10/19/2021	11:57:44 PM	1.223	0.41	66.34	1,990
10/20/2021	12:27:44 AM	1.239	0.41	68.65	2,059
10/20/2021	12:57:44 AM	1.2	0.40	63.11	1,893
10/20/2021	1:27:44 AM	1.22	0.41	65.92	1,977
10/20/2021	1:57:44 AM	1.211	0.41	64.64	1,939
10/20/2021	2:27:44 AM	1.196	0.40	62.56	1,877
10/20/2021	2:57:44 AM	1.225	0.41	66.63	1,999
10/20/2021	3:27:44 AM	1.232	0.41	67.63	2,029
10/20/2021	3:57:44 AM	1.212	0.41	64.79	1,944
10/20/2021	4:27:44 AM	1.206	0.40	63.94	1,918
10/20/2021	4:57:44 AM	1.221	0.41	66.06	1,982
10/20/2021	5:27:44 AM	1.237	0.41	68.36	2,051
10/20/2021	5:57:44 AM	1.207	0.40	64.08	1,923
10/20/2021	6:27:44 AM	1.267	0.42	72.81	2,184
10/20/2021	6:57:44 AM	1.225	0.41	66.63	1,999
10/20/2021	7:27:44 AM	1.264	0.42	72.35	2,171
10/20/2021	7:57:44 AM	1.219	0.41	65.77	1,973
10/20/2021	8:27:44 AM	1.242	0.42	69.09	2,073
10/20/2021	8:57:44 AM	1.245	0.42	69.53	2,086
10/20/2021	9:27:44 AM	1.27	0.42	73.26	2,198
10/20/2021	9:57:44 AM	1.255	0.42	71.01	2,130
10/20/2021	10:27:44 AM	1.634	0.55	142.14	4,264
Total					**99,334**

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 B1-2
SEEP B FLUME DATA - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
11/19/2021	11:12:32 AM	1.277	0.43	74.33	2,230
11/19/2021	11:42:32 AM	1.256	0.42	71.16	2,135
11/19/2021	12:12:32 PM	1.263	0.42	72.20	2,166
11/19/2021	12:42:32 PM	1.203	0.40	63.53	1,906
11/19/2021	1:12:32 PM	1.622	0.54	139.41	4,182
11/19/2021	1:42:32 PM	1.355	0.45	86.87	2,606
11/19/2021	2:12:32 PM	1.206	0.40	63.94	1,918
11/19/2021	2:42:32 PM	1.056	0.35	45.09	1,353
11/19/2021	3:12:32 PM	1.046	0.35	43.98	1,319
11/19/2021	3:42:32 PM	1.021	0.34	41.27	1,238
11/19/2021	4:12:32 PM	1.22	0.41	65.92	1,977
11/19/2021	4:42:32 PM	1.712	0.57	160.69	4,821
11/19/2021	5:12:32 PM	1.778	0.59	177.49	5,325
11/19/2021	5:42:32 PM	1.822	0.61	189.28	5,678
11/19/2021	6:12:32 PM	1.736	0.58	166.68	5,000
11/19/2021	6:42:32 PM	1.8	0.60	183.33	5,500
11/19/2021	7:12:32 PM	1.71	0.57	160.19	4,806
11/19/2021	7:42:32 PM	1.781	0.60	178.28	5,348
11/19/2021	8:12:32 PM	1.682	0.56	153.39	4,602
11/19/2021	8:42:32 PM	1.708	0.57	159.70	4,791
11/19/2021	9:12:32 PM	1.687	0.56	154.59	4,638
11/19/2021	9:42:32 PM	1.721	0.58	162.92	4,888
11/19/2021	10:12:32 PM	1.678	0.56	152.43	4,573
11/19/2021	10:42:32 PM	1.74	0.58	167.69	5,031
11/19/2021	11:12:32 PM	1.652	0.55	146.29	4,389
11/19/2021	11:42:32 PM	1.669	0.56	150.29	4,509
11/20/2021	12:12:32 AM	1.619	0.54	138.73	4,162
11/20/2021	12:42:32 AM	1.637	0.55	142.83	4,285
11/20/2021	1:12:32 AM	1.629	0.55	141.00	4,230
11/20/2021	1:42:32 AM	1.637	0.55	142.83	4,285
11/20/2021	2:12:32 AM	1.606	0.54	135.82	4,075
11/20/2021	2:42:32 AM	1.6	0.54	134.49	4,035
11/20/2021	3:12:32 AM	1.582	0.53	130.55	3,916
11/20/2021	3:42:32 AM	1.559	0.52	125.62	3,769
11/20/2021	4:12:32 AM	1.566	0.52	127.11	3,813
11/20/2021	4:42:32 AM	1.555	0.52	124.77	3,743
11/20/2021	5:12:32 AM	1.581	0.53	130.33	3,910
11/20/2021	5:42:32 AM	1.612	0.54	137.16	4,115
11/20/2021	6:12:32 AM	1.556	0.52	124.98	3,749
11/20/2021	6:42:32 AM	1.569	0.52	127.75	3,832
11/20/2021	7:12:32 AM	1.547	0.52	123.09	3,693
11/20/2021	7:42:32 AM	1.58	0.53	130.12	3,903
11/20/2021	8:12:32 AM	1.533	0.51	120.18	3,605
11/20/2021	8:42:32 AM	1.569	0.52	127.75	3,832
11/20/2021	9:12:32 AM	1.532	0.51	119.98	3,599
11/20/2021	9:42:32 AM	1.578	0.53	129.68	3,891
11/20/2021	10:12:32 AM	1.442	0.48	102.32	3,069
Total					**178,440**

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 B1-3
SEEP B FLUME DATA - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
12/14/2021	12:14:02 PM	1.013	0.34	40.42	1,213
12/14/2021	12:44:02 PM	1.073	0.36	47.03	1,411
12/14/2021	1:14:02 PM	0.926	0.31	31.92	958
12/14/2021	1:44:02 PM	1.554	0.52	124.56	3,737
12/14/2021	2:14:02 PM	1.601	0.54	134.71	4,041
12/14/2021	2:44:02 PM	1.631	0.55	141.45	4,244
12/14/2021	3:14:02 PM	1.64	0.55	143.52	4,305
12/14/2021	3:44:02 PM	1.633	0.55	141.91	4,257
12/14/2021	4:14:02 PM	1.636	0.55	142.60	4,278
12/14/2021	4:44:02 PM	1.638	0.55	143.06	4,292
12/14/2021	5:14:02 PM	1.687	0.56	154.59	4,638
12/14/2021	5:44:02 PM	1.629	0.55	141.00	4,230
12/14/2021	6:14:02 PM	1.676	0.56	151.95	4,559
12/14/2021	6:44:02 PM	1.555	0.52	124.77	3,743
12/14/2021	7:14:02 PM	1.595	0.53	133.39	4,002
12/14/2021	7:44:02 PM	1.637	0.55	142.83	4,285
12/14/2021	8:14:02 PM	1.689	0.57	155.07	4,652
12/14/2021	8:44:02 PM	1.651	0.55	146.06	4,382
12/14/2021	9:14:02 PM	1.688	0.56	154.83	4,645
12/14/2021	9:44:02 PM	1.58	0.53	130.12	3,903
12/14/2021	10:14:02 PM	1.622	0.54	139.41	4,182
12/14/2021	10:44:02 PM	1.57	0.53	127.96	3,839
12/14/2021	11:14:02 PM	1.588	0.53	131.86	3,956
12/14/2021	11:44:02 PM	1.53	0.51	119.56	3,587
12/15/2021	12:14:02 AM	1.473	0.49	108.20	3,246
12/15/2021	12:44:02 AM	1.534	0.51	120.39	3,612
12/15/2021	1:14:02 AM	1.514	0.51	116.30	3,489
12/15/2021	1:44:02 AM	1.539	0.51	121.42	3,643
12/15/2021	2:14:02 AM	1.543	0.52	122.25	3,668
12/15/2021	2:44:02 AM	1.559	0.52	125.62	3,769
12/15/2021	3:14:02 AM	1.561	0.52	126.04	3,781
12/15/2021	3:44:02 AM	1.527	0.51	118.95	3,568
12/15/2021	4:14:02 AM	1.52	0.51	117.52	3,526
12/15/2021	4:44:02 AM	1.553	0.52	124.35	3,730
12/15/2021	5:14:02 AM	1.533	0.51	120.18	3,605
12/15/2021	5:44:02 AM	1.546	0.52	122.88	3,686
12/15/2021	6:14:02 AM	1.617	0.54	138.28	4,149
12/15/2021	6:44:02 AM	1.487	0.50	110.93	3,328
12/15/2021	7:14:02 AM	1.492	0.50	111.91	3,357
12/15/2021	7:44:02 AM	1.504	0.50	114.29	3,429
12/15/2021	8:14:02 AM	1.499	0.50	113.30	3,399
12/15/2021	8:44:02 AM	1.526	0.51	118.74	3,562
12/15/2021	9:14:02 AM	1.594	0.53	133.17	3,995
12/15/2021	9:44:02 AM	1.466	0.49	106.86	3,206
12/15/2021	10:14:02 AM	1.457	0.49	105.14	3,154
12/15/2021	10:44:02 AM	1.365	0.46	88.56	2,657
12/15/2021	11:14:02 AM	1.277	0.43	74.33	2,230
12/15/2021	11:44:02 AM	1.293	0.43	76.80	2,304
Total					**173,430**

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 B2-1
SEEP C FLUME DATA - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
10/19/2021	12:17:27 PM	0.843	0.28	24.93	748
10/19/2021	12:47:27 PM	0.752	0.25	18.46	554
10/19/2021	1:17:27 PM	0.774	0.26	19.92	598
10/19/2021	1:47:27 PM	0.664	0.22	13.31	399
10/19/2021	2:17:27 PM	0.786	0.26	20.74	622
10/19/2021	2:47:27 PM	0.705	0.24	15.58	467
10/19/2021	3:17:27 PM	0.8	0.27	21.73	652
10/19/2021	3:47:27 PM	0.78	0.26	20.33	610
10/19/2021	4:17:27 PM	0.878	0.29	27.75	832
10/19/2021	4:47:27 PM	0.878	0.29	27.75	832
10/19/2021	5:17:27 PM	0.918	0.31	31.20	936
10/19/2021	5:47:27 PM	0.923	0.31	31.65	949
10/19/2021	6:17:27 PM	0.923	0.31	31.65	949
10/19/2021	6:47:27 PM	0.988	0.33	37.85	1,136
10/19/2021	7:17:27 PM	0.917	0.31	31.11	933
10/19/2021	7:47:27 PM	0.977	0.33	36.75	1,103
10/19/2021	8:17:27 PM	0.858	0.29	26.12	784
10/19/2021	8:47:27 PM	0.879	0.29	27.83	835
10/19/2021	9:17:27 PM	0.87	0.29	27.09	813
10/19/2021	9:47:27 PM	0.903	0.30	29.88	896
10/19/2021	10:17:27 PM	0.826	0.28	23.63	709
10/19/2021	10:47:27 PM	0.822	0.28	23.33	700
10/19/2021	11:17:27 PM	0.838	0.28	24.55	736
10/19/2021	11:47:27 PM	0.844	0.28	25.01	750
10/20/2021	12:17:27 AM	0.844	0.28	25.01	750
10/20/2021	12:47:27 AM	0.84	0.28	24.70	741
10/20/2021	1:17:27 AM	0.838	0.28	24.55	736
10/20/2021	1:47:27 AM	0.815	0.27	22.81	684
10/20/2021	2:17:27 AM	0.808	0.27	22.30	669
10/20/2021	2:47:27 AM	0.777	0.26	20.12	604
10/20/2021	3:17:27 AM	0.843	0.28	24.93	748
10/20/2021	3:47:27 AM	0.847	0.28	25.25	757
10/20/2021	4:17:27 AM	0.816	0.27	22.89	687
10/20/2021	4:47:27 AM	0.835	0.28	24.32	729
10/20/2021	5:17:27 AM	0.839	0.28	24.62	739
10/20/2021	5:47:27 AM	0.895	0.30	29.18	876
10/20/2021	6:17:27 AM	0.865	0.29	26.68	800
10/20/2021	6:47:27 AM	0.898	0.30	29.44	883
10/20/2021	7:17:27 AM	0.859	0.29	26.20	786
10/20/2021	7:47:27 AM	0.915	0.31	30.93	928
10/20/2021	8:17:27 AM	0.855	0.29	25.88	776
10/20/2021	8:47:27 AM	0.866	0.29	26.76	803
10/20/2021	9:17:27 AM	0.873	0.29	27.34	820
10/20/2021	9:47:27 AM	0.909	0.30	30.40	912
10/20/2021	10:17:27 AM	0.853	0.29	25.72	772
10/20/2021	10:47:27 AM	0.822	0.28	23.33	700
10/20/2021	11:17:27 AM	0.847	0.28	25.25	757
Total					**36,203**

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 B2-2
SEEP C FLUME DATA - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
11/9/2021	12:03:13 PM	1.002	0.34	39.28	1,178
11/9/2021	12:33:13 PM	0.924	0.31	31.74	952
11/9/2021	1:03:13 PM	1.021	0.34	41.27	1,238
11/9/2021	1:33:13 PM	0.925	0.31	31.83	955
11/9/2021	2:03:13 PM	1.035	0.35	42.77	1,283
11/9/2021	2:33:13 PM	0.956	0.32	34.71	1,041
11/9/2021	3:03:13 PM	1.04	0.35	43.32	1,300
11/9/2021	3:33:13 PM	0.983	0.33	37.35	1,120
11/9/2021	4:03:13 PM	1.048	0.35	44.20	1,326
11/9/2021	4:33:13 PM	1.017	0.34	40.84	1,225
11/9/2021	5:03:13 PM	1.048	0.35	44.20	1,326
11/9/2021	5:33:13 PM	1.029	0.34	42.12	1,264
11/9/2021	6:03:13 PM	0.962	0.32	35.29	1,059
11/9/2021	6:33:13 PM	0.927	0.31	32.01	960
11/9/2021	7:03:13 PM	0.904	0.30	29.96	899
11/9/2021	7:33:13 PM	0.928	0.31	32.10	963
11/9/2021	8:03:13 PM	0.874	0.29	27.42	823
11/9/2021	8:33:13 PM	0.881	0.29	28.00	840
11/9/2021	9:03:13 PM	0.855	0.29	25.88	776
11/9/2021	9:33:13 PM	0.855	0.29	25.88	776
11/9/2021	10:03:13 PM	0.863	0.29	26.52	796
11/9/2021	10:33:13 PM	0.859	0.29	26.20	786
11/9/2021	11:03:13 PM	0.865	0.29	26.68	800
11/9/2021	11:33:13 PM	0.854	0.29	25.80	774
11/10/2021	12:03:13 AM	0.859	0.29	26.20	786
11/10/2021	12:33:13 AM	0.815	0.27	22.81	684
11/10/2021	1:03:13 AM	0.863	0.29	26.52	796
11/10/2021	1:33:13 AM	0.842	0.28	24.86	746
11/10/2021	2:03:13 AM	0.866	0.29	26.76	803
11/10/2021	2:33:13 AM	0.864	0.29	26.60	798
11/10/2021	3:03:13 AM	0.857	0.29	26.04	781
11/10/2021	3:33:13 AM	0.827	0.28	23.71	711
11/10/2021	4:03:13 AM	0.871	0.29	27.17	815
11/10/2021	4:33:13 AM	0.882	0.30	28.08	842
11/10/2021	5:03:13 AM	0.858	0.29	26.12	784
11/10/2021	5:33:13 AM	0.856	0.29	25.96	779
11/10/2021	6:03:13 AM	0.877	0.29	27.67	830
11/10/2021	6:33:13 AM	0.925	0.31	31.83	955
11/10/2021	7:03:13 AM	0.859	0.29	26.20	786
11/10/2021	7:33:13 AM	0.881	0.29	28.00	840
11/10/2021	8:03:13 AM	0.871	0.29	27.17	815
11/10/2021	8:33:13 AM	0.872	0.29	27.25	818
11/10/2021	9:03:13 AM	0.884	0.30	28.25	848
11/10/2021	9:33:13 AM	0.944	0.32	33.58	1,007
11/10/2021	10:03:13 AM	0.888	0.30	28.59	858
11/10/2021	10:33:13 AM	0.951	0.32	34.24	1,027
11/10/2021	11:03:13 AM	0.955	0.32	34.62	1,038
Total					**43,607**

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 B2-3
SEEP C FLUME DATA - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
12/14/2021	2:29:48 PM	1.123	0.38	53.01	1,590
12/14/2021	2:59:48 PM	1.138	0.38	54.89	1,647
12/14/2021	3:29:48 PM	1.158	0.39	57.47	1,724
12/14/2021	3:59:48 PM	1.172	0.39	59.31	1,779
12/14/2021	4:29:48 PM	1.161	0.39	57.86	1,736
12/14/2021	4:59:48 PM	1.211	0.41	64.64	1,939
12/14/2021	5:29:48 PM	1.122	0.38	52.89	1,587
12/14/2021	5:59:48 PM	1.167	0.39	58.65	1,759
12/14/2021	6:29:48 PM	1.104	0.37	50.68	1,521
12/14/2021	6:59:48 PM	1.112	0.37	51.66	1,550
12/14/2021	7:29:48 PM	1.133	0.38	54.26	1,628
12/14/2021	7:59:48 PM	1.201	0.40	63.25	1,898
12/14/2021	8:29:48 PM	1.151	0.39	56.56	1,697
12/14/2021	8:59:48 PM	1.203	0.40	63.53	1,906
12/14/2021	9:29:48 PM	1.126	0.38	53.38	1,602
12/14/2021	9:59:48 PM	1.153	0.39	56.82	1,704
12/14/2021	10:29:48 PM	1.116	0.37	52.15	1,564
12/14/2021	10:59:48 PM	1.127	0.38	53.51	1,605
12/14/2021	11:29:48 PM	1.102	0.37	50.44	1,513
12/14/2021	11:59:48 PM	1.056	0.35	45.09	1,353
12/15/2021	12:29:48 AM	1.092	0.37	49.25	1,477
12/15/2021	12:59:48 AM	1.083	0.36	48.19	1,446
12/15/2021	1:29:48 AM	1.084	0.36	48.30	1,449
12/15/2021	1:59:48 AM	1.098	0.37	49.96	1,499
12/15/2021	2:29:48 AM	1.088	0.36	48.77	1,463
12/15/2021	2:59:48 AM	1.125	0.38	53.26	1,598
12/15/2021	3:29:48 AM	1.074	0.36	47.14	1,414
12/15/2021	3:59:48 AM	1.077	0.36	47.49	1,425
12/15/2021	4:29:48 AM	1.104	0.37	50.68	1,521
12/15/2021	4:59:48 AM	1.106	0.37	50.93	1,528
12/15/2021	5:29:48 AM	1.103	0.37	50.56	1,517
12/15/2021	5:59:48 AM	1.148	0.38	56.17	1,685
12/15/2021	6:29:48 AM	1.067	0.36	46.34	1,390
12/15/2021	6:59:48 AM	1.058	0.35	45.32	1,360
12/15/2021	7:29:48 AM	1.083	0.36	48.19	1,446
12/15/2021	7:59:48 AM	1.074	0.36	47.14	1,414
12/15/2021	8:29:48 AM	1.084	0.36	48.30	1,449
12/15/2021	8:59:48 AM	1.163	0.39	58.12	1,744
12/15/2021	9:29:48 AM	1.076	0.36	47.37	1,421
12/15/2021	9:59:48 AM	1.085	0.36	48.42	1,453
12/15/2021	10:29:48 AM	1.018	0.34	40.95	1,228
12/15/2021	10:59:48 AM	0.946	0.32	33.76	1,013
12/15/2021	11:29:48 AM	0.986	0.33	37.65	1,129
12/15/2021	11:59:48 AM	0.852	0.29	25.64	769
12/15/2021	12:29:48 PM	1.001	0.33	39.17	1,175
12/15/2021	12:59:48 PM	0.885	0.30	28.34	850
12/15/2021	1:29:48 PM	1.008	0.34	39.90	1,197
Total					**70,361**

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 B3-1
SEEP D FLUME DATA - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
10/19/2021	2:14:53 PM	1.368	0.46	89.08	2,672
10/19/2021	2:44:53 PM	1.288	0.43	76.02	2,281
10/19/2021	3:14:53 PM	1.38	0.46	91.15	2,734
10/19/2021	3:44:53 PM	1.332	0.45	83.04	2,491
10/19/2021	4:14:53 PM	1.409	0.47	96.27	2,888
10/19/2021	4:44:53 PM	1.403	0.47	95.20	2,856
10/19/2021	5:14:53 PM	1.442	0.48	102.32	3,069
10/19/2021	5:44:53 PM	1.447	0.48	103.25	3,098
10/19/2021	6:14:53 PM	1.442	0.48	102.32	3,069
10/19/2021	6:44:53 PM	1.505	0.50	114.49	3,435
10/19/2021	7:14:53 PM	1.447	0.48	103.25	3,098
10/19/2021	7:44:53 PM	1.501	0.50	113.70	3,411
10/19/2021	8:14:53 PM	1.398	0.47	94.31	2,829
10/19/2021	8:44:53 PM	1.408	0.47	96.09	2,883
10/19/2021	9:14:53 PM	1.405	0.47	95.55	2,867
10/19/2021	9:44:53 PM	1.442	0.48	102.32	3,069
10/19/2021	10:14:53 PM	1.37	0.46	89.42	2,683
10/19/2021	10:44:53 PM	1.363	0.46	88.22	2,647
10/19/2021	11:14:53 PM	1.38	0.46	91.15	2,734
10/19/2021	11:44:53 PM	1.379	0.46	90.97	2,729
10/20/2021	12:14:53 AM	1.379	0.46	90.97	2,729
10/20/2021	12:44:53 AM	1.373	0.46	89.94	2,698
10/20/2021	1:14:53 AM	1.364	0.46	88.39	2,652
10/20/2021	1:44:53 AM	1.36	0.46	87.71	2,631
10/20/2021	2:14:53 AM	1.351	0.45	86.20	2,586
10/20/2021	2:44:53 AM	1.327	0.44	82.23	2,467
10/20/2021	3:14:53 AM	1.379	0.46	90.97	2,729
10/20/2021	3:44:53 AM	1.384	0.46	91.84	2,755
10/20/2021	4:14:53 AM	1.36	0.46	87.71	2,631
10/20/2021	4:44:53 AM	1.376	0.46	90.45	2,714
10/20/2021	5:14:53 AM	1.379	0.46	90.97	2,729
10/20/2021	5:44:53 AM	1.438	0.48	101.57	3,047
10/20/2021	6:14:53 AM	1.411	0.47	96.63	2,899
10/20/2021	6:44:53 AM	1.453	0.49	104.38	3,131
10/20/2021	7:14:53 AM	1.416	0.47	97.53	2,926
10/20/2021	7:44:53 AM	1.474	0.49	108.40	3,252
10/20/2021	8:14:53 AM	1.42	0.48	98.26	2,948
10/20/2021	8:44:53 AM	1.434	0.48	100.83	3,025
10/20/2021	9:14:53 AM	1.44	0.48	101.94	3,058
10/20/2021	9:44:53 AM	1.479	0.49	109.37	3,281
10/20/2021	10:14:53 AM	1.431	0.48	100.28	3,008
10/20/2021	10:44:53 AM	1.4	0.47	94.66	2,840
10/20/2021	11:14:53 AM	1.433	0.48	100.64	3,019
10/20/2021	11:44:53 AM	1.392	0.47	93.25	2,797
10/20/2021	12:14:53 PM	1.431	0.48	100.28	3,008
10/20/2021	12:44:53 PM	1.373	0.46	89.94	2,698
10/20/2021	1:14:53 PM	1.428	0.48	99.72	2,992
Total					**134,796**

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 B3-2
SEEP D FLUME DATA - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
11/9/2021	12:23:20 PM	1.347	0.45	85.53	2,566
11/9/2021	12:53:20 PM	1.442	0.48	102.32	3,069
11/9/2021	1:23:20 PM	1.34	0.45	84.36	2,531
11/9/2021	1:53:20 PM	2.264	0.76	335.11	10,053
11/9/2021	2:23:20 PM	2.258	0.76	332.78	9,983
11/9/2021	2:53:20 PM	2.372	0.79	378.80	11,364
11/9/2021	3:23:20 PM	2.317	0.78	356.14	10,684
11/9/2021	3:53:20 PM	2.356	0.79	372.12	11,164
11/9/2021	4:23:20 PM	2.302	0.77	350.11	10,503
11/9/2021	4:53:20 PM	2.306	0.77	351.71	10,551
11/9/2021	5:23:20 PM	2.309	0.77	352.91	10,587
11/9/2021	5:53:20 PM	2.241	0.75	326.23	9,787
11/9/2021	6:23:20 PM	2.202	0.74	311.51	9,345
11/9/2021	6:53:20 PM	2.181	0.73	303.76	9,113
11/9/2021	7:23:20 PM	2.205	0.74	312.63	9,379
11/9/2021	7:53:20 PM	2.127	0.71	284.37	8,531
11/9/2021	8:23:20 PM	2.117	0.71	280.87	8,426
11/9/2021	8:53:20 PM	2.067	0.69	263.76	7,913
11/9/2021	9:23:20 PM	2.043	0.68	255.78	7,673
11/9/2021	9:53:20 PM	2.032	0.68	252.18	7,565
11/9/2021	10:23:20 PM	2.001	0.67	242.18	7,265
11/9/2021	10:53:20 PM	1.986	0.66	237.44	7,123
11/9/2021	11:23:20 PM	1.953	0.65	227.20	6,816
11/9/2021	11:53:20 PM	1.934	0.65	221.43	6,643
11/10/2021	12:23:20 AM	1.87	0.63	202.68	6,080
11/10/2021	12:53:20 AM	1.89	0.63	208.43	6,253
11/10/2021	1:23:20 AM	1.857	0.62	198.99	5,970
11/10/2021	1:53:20 AM	1.859	0.62	199.56	5,987
11/10/2021	2:23:20 AM	1.842	0.62	194.79	5,844
11/10/2021	2:53:20 AM	1.824	0.61	189.83	5,695
11/10/2021	3:23:20 AM	1.773	0.59	176.18	5,286
11/10/2021	3:53:20 AM	1.803	0.60	184.13	5,524
11/10/2021	4:23:20 AM	1.778	0.59	177.49	5,325
11/10/2021	4:53:20 AM	1.745	0.58	168.96	5,069
11/10/2021	5:23:20 AM	1.727	0.58	164.42	4,932
11/10/2021	5:53:20 AM	1.71	0.57	160.19	4,806
11/10/2021	6:23:20 AM	1.746	0.58	169.22	5,076
11/10/2021	6:53:20 AM	1.681	0.56	153.15	4,594
11/10/2021	7:23:20 AM	1.691	0.57	155.55	4,667
11/10/2021	7:53:20 AM	1.676	0.56	151.95	4,559
11/10/2021	8:23:20 AM	1.688	0.56	154.83	4,645
11/10/2021	8:53:20 AM	1.646	0.55	144.90	4,347
11/10/2021	9:23:20 AM	1.71	0.57	160.19	4,806
11/10/2021	9:53:20 AM	1.645	0.55	144.67	4,340
11/10/2021	10:23:20 AM	1.693	0.57	156.04	4,681
11/10/2021	10:53:20 AM	1.67	0.56	150.52	4,516
11/10/2021	11:23:20 AM	1.661	0.56	148.40	4,452
Total					**316,089**

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 B3-3
SEEP D FLUME DATA - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume[1] (Gallon)
12/14/2021	12:48:12 PM	1.237	0.41	68.36	2,051
12/14/2021	1:18:12 PM	1.275	0.43	74.02	2,221
12/14/2021	1:48:12 PM	1.264	0.42	72.35	2,171
12/14/2021	2:18:12 PM	1.271	0.43	73.41	2,202
12/14/2021	2:48:12 PM	1.263	0.42	72.20	2,166
12/14/2021	3:18:12 PM	1.273	0.43	73.72	2,211
12/14/2021	3:48:12 PM	1.291	0.43	76.49	2,295
12/14/2021	4:18:12 PM	1.269	0.42	73.11	2,193
12/14/2021	4:48:12 PM	1.311	0.44	79.64	2,389
12/14/2021	5:18:12 PM	1.253	0.42	70.71	2,121
12/14/2021	5:48:12 PM	1.301	0.44	78.06	2,342
12/14/2021	6:18:12 PM	1.259	0.42	71.60	2,148
12/14/2021	6:48:12 PM	1.276	0.43	74.17	2,225
12/14/2021	7:18:12 PM	1.293	0.43	76.80	2,304
12/14/2021	7:48:12 PM	1.359	0.45	87.54	2,626
12/14/2021	8:18:12 PM	1.317	0.44	80.61	2,418
12/14/2021	8:48:12 PM	1.388	0.46	92.54	2,776
12/14/2021	9:18:12 PM	1.318	0.44	80.77	2,423
12/14/2021	9:48:12 PM	1.359	0.45	87.54	2,626
12/14/2021	10:18:12 PM	1.327	0.44	82.23	2,467
12/14/2021	10:48:12 PM	1.34	0.45	84.36	2,531
12/14/2021	11:18:12 PM	1.335	0.45	83.54	2,506
12/14/2021	11:48:12 PM	1.31	0.44	79.49	2,385
12/15/2021	12:18:12 AM	1.34	0.45	84.36	2,531
12/15/2021	12:48:12 AM	1.331	0.45	82.88	2,486
12/15/2021	1:18:12 AM	1.342	0.45	84.69	2,541
12/15/2021	1:48:12 AM	1.335	0.45	83.54	2,506
12/15/2021	2:18:12 AM	1.338	0.45	84.03	2,521
12/15/2021	2:48:12 AM	1.369	0.46	89.25	2,677
12/15/2021	3:18:12 AM	1.36	0.46	87.71	2,631
12/15/2021	3:48:12 AM	1.344	0.45	85.03	2,551
12/15/2021	4:18:12 AM	1.355	0.45	86.87	2,606
12/15/2021	4:48:12 AM	1.375	0.46	90.28	2,708
12/15/2021	5:18:12 AM	1.356	0.45	87.04	2,611
12/15/2021	5:48:12 AM	1.396	0.47	93.95	2,819
12/15/2021	6:18:12 AM	1.348	0.45	85.69	2,571
12/15/2021	6:48:12 AM	1.338	0.45	84.03	2,521
12/15/2021	7:18:12 AM	1.35	0.45	86.03	2,581
12/15/2021	7:48:12 AM	1.361	0.46	87.88	2,637
12/15/2021	8:18:12 AM	1.352	0.45	86.36	2,591
12/15/2021	8:48:12 AM	1.408	0.47	96.09	2,883
12/15/2021	9:18:12 AM	1.322	0.44	81.41	2,442
12/15/2021	9:48:12 AM	1.355	0.45	86.87	2,606
12/15/2021	10:18:12 AM	1.337	0.45	83.87	2,516
12/15/2021	10:48:12 AM	1.275	0.43	74.02	2,221
12/15/2021	11:18:12 AM	1.343	0.45	84.86	2,546
12/15/2021	11:48:12 AM	1.225	0.41	66.63	1,999
Total					**115,100**

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 B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/10/2020 5:00	79	0.18	2.2
10/10/2020 5:30	87	0.19	2.2
10/10/2020 6:00	78	0.17	2.2
10/10/2020 6:30	82	0.18	2.2
10/10/2020 7:00	75	0.17	2.2
10/10/2020 7:30	68	0.15	2.2
10/10/2020 8:00	80	0.18	2.2
10/10/2020 8:30	88	0.20	2.2
10/10/2020 9:00	76	0.17	2.2
10/10/2020 9:30	70	0.16	2.2
10/10/2020 10:00	76	0.17	2.2
10/10/2020 10:30	70	0.16	2.2
10/10/2020 11:00	85	0.19	2.2
10/10/2020 11:30	80	0.18	2.2
10/10/2020 12:00	74	0.16	2.2
10/10/2020 12:30	65	0.14	2.2
10/10/2020 13:00	69	0.15	2.2
10/10/2020 13:30	54	0.12	2.2
10/10/2020 14:00	63	0.14	2.2
10/10/2020 14:30	53	0.12	2.2
10/10/2020 15:00	74	0.17	2.2
10/10/2020 15:30	72	0.16	2.2
10/10/2020 16:00	73	0.16	2.2
10/10/2020 16:30	67	0.15	2.2
10/10/2020 17:00	79	0.18	2.2
10/10/2020 17:30	88	0.20	2.2
10/10/2020 18:00	74	0.16	2.2
10/10/2020 18:30	76	0.17	2.2
10/10/2020 19:00	73	0.16	2.2
10/10/2020 19:30	76	0.17	2.2
10/10/2020 20:00	71	0.16	2.2
10/10/2020 20:30	70	0.16	2.2
10/10/2020 21:00	74	0.16	2.2
10/10/2020 21:30	75	0.17	2.2
10/10/2020 22:00	74	0.17	2.2
10/10/2020 22:30	75	0.17	2.2
10/10/2020 23:00	65	0.14	2.2
10/10/2020 23:30	54	0.12	2.2
10/11/2020 0:00	67	0.15	2.2
10/11/2020 0:30	57	0.13	2.2
10/11/2020 1:00	65	0.14	2.2
10/11/2020 1:30	52	0.12	2.2
10/11/2020 2:00	66	0.15	2.2
10/11/2020 2:30	61	0.14	2.2
10/11/2020 3:00	62	0.14	2.2
10/11/2020 3:30	52	0.12	2.2
10/11/2020 4:00	62	0.14	2.2
10/11/2020 4:30	55	0.12	2.2
10/11/2020 5:00	70	0.16	2.2
10/11/2020 5:30	84	0.19	2.2

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/11/2020 6:00	103	0.23	2.2
10/11/2020 6:30	240	0.53	2.2
10/11/2020 7:00	253	0.56	2.2
10/11/2020 7:30	447	1.00	2.3
10/11/2020 8:00	457	1.02	2.3
10/11/2020 8:30	379	0.84	2.3
10/11/2020 9:00	420	0.94	2.3
10/11/2020 9:30	600	1.34	2.3
10/11/2020 10:00	608	1.35	2.3
10/11/2020 10:30	482	1.07	2.3
10/11/2020 11:00	428	0.95	2.3
10/11/2020 11:30	384	0.86	2.3
10/11/2020 12:00	313	0.70	2.3
10/11/2020 12:30	244	0.54	2.3
10/11/2020 13:00	244	0.54	2.3
10/11/2020 13:30	183	0.41	2.4
10/11/2020 14:00	193	0.43	2.4
10/11/2020 14:30	158	0.35	2.4
10/11/2020 15:00	172	0.38	2.4
10/11/2020 15:30	161	0.36	2.4
10/11/2020 16:00	176	0.39	2.4
10/11/2020 16:30	259	0.58	2.4
10/11/2020 17:00	411	0.92	2.4
10/11/2020 17:30	537	1.20	2.4
10/11/2020 18:00	419	0.93	2.4
10/11/2020 18:30	363	0.81	2.5
10/11/2020 19:00	314	0.70	2.5
10/11/2020 19:30	314	0.70	2.5
10/11/2020 20:00	277	0.62	2.5
10/11/2020 20:30	253	0.56	2.5
10/11/2020 21:00	227	0.51	2.6
10/11/2020 21:30	205	0.46	2.6
10/11/2020 22:00	199	0.44	2.6
10/11/2020 22:30	186	0.41	2.6
10/11/2020 23:00	161	0.36	2.7
10/11/2020 23:30	151	0.34	2.7
10/12/2020 0:00	142	0.32	2.7
10/12/2020 0:30	131	0.29	2.7
10/12/2020 1:00	129	0.29	2.8
10/12/2020 1:30	121	0.27	2.8
10/12/2020 2:00	119	0.27	2.8
10/12/2020 2:30	107	0.24	2.8
10/12/2020 3:00	109	0.24	2.9
10/12/2020 3:30	96	0.21	2.9
10/12/2020 4:00	108	0.24	2.9
10/12/2020 4:30	106	0.24	3.0
10/12/2020 5:00	110	0.24	3.0
10/12/2020 5:30	114	0.25	3.0
10/12/2020 6:00	105	0.23	3.1
10/12/2020 6:30	112	0.25	3.1

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/12/2020 7:00	99	0.22	3.1
10/12/2020 7:30	102	0.23	3.1
10/12/2020 8:00	100	0.22	3.2
10/12/2020 8:30	107	0.24	3.2
10/12/2020 9:00	95	0.21	3.2
10/12/2020 9:30	104	0.23	3.3
10/12/2020 10:00	92	0.21	3.3
10/12/2020 10:30	92	0.21	3.3
10/12/2020 11:00	87	0.19	3.3
10/12/2020 11:30	86	0.19	3.4
10/12/2020 12:00	82	0.18	3.4
10/12/2020 12:30	77	0.17	3.4
10/12/2020 13:00	74	0.17	3.4
10/12/2020 13:30	56	0.13	3.4
10/12/2020 14:00	79	0.18	3.5
10/12/2020 14:30	74	0.16	3.5
10/12/2020 15:00	73	0.16	3.5
10/12/2020 15:30	66	0.15	3.5
10/12/2020 16:00	82	0.18	3.5
10/12/2020 16:30	87	0.19	3.6
10/12/2020 17:00	78	0.17	3.6
10/12/2020 17:30	82	0.18	3.6
10/12/2020 18:00	79	0.18	3.6
10/12/2020 18:30	85	0.19	3.6
10/12/2020 19:00	76	0.17	3.7
10/12/2020 19:30	83	0.18	3.7
10/12/2020 20:00	81	0.18	3.7
10/12/2020 20:30	96	0.21	3.7
10/12/2020 21:00	74	0.16	3.8
10/12/2020 21:30	76	0.17	3.8
10/12/2020 22:00	77	0.17	3.8
10/12/2020 22:30	87	0.19	3.9
10/12/2020 23:00	73	0.16	3.9
10/12/2020 23:30	66	0.15	4.0
10/13/2020 0:00	69	0.15	4.0
10/13/2020 0:30	66	0.15	4.0
10/13/2020 1:00	69	0.15	4.1
10/13/2020 1:30	71	0.16	4.1
10/13/2020 2:00	74	0.16	4.2
10/13/2020 2:30	78	0.17	4.2
10/13/2020 10:00	72	0.16	4.9
10/13/2020 10:30	73	0.16	5.0
10/13/2020 11:00	74	0.16	5.0
10/13/2020 11:30	81	0.18	5.1
10/13/2020 12:00	70	0.16	5.1
10/13/2020 12:30	61	0.14	5.1
10/13/2020 13:00	71	0.16	5.2
10/13/2020 13:30	63	0.14	5.2
10/13/2020 14:00	68	0.15	5.3
10/16/2020 2:30	61	0.14	4.4

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/16/2020 3:00	65	0.15	4.4
10/16/2020 3:30	61	0.14	4.4
10/16/2020 4:00	66	0.15	4.4
10/16/2020 4:30	65	0.14	4.4
10/16/2020 5:00	65	0.14	4.4
10/16/2020 5:30	66	0.15	4.4
10/16/2020 6:00	66	0.15	4.4
10/16/2020 6:30	65	0.14	4.4
10/16/2020 7:00	68	0.15	4.4
10/16/2020 7:30	73	0.16	4.3
10/16/2020 8:00	74	0.17	4.3
10/16/2020 8:30	83	0.18	4.3
10/16/2020 9:00	73	0.16	4.3
10/16/2020 9:30	79	0.18	4.3
10/16/2020 10:00	73	0.16	4.3
10/16/2020 10:30	134	0.30	4.3
10/16/2020 11:00	97	0.22	4.3
10/16/2020 11:30	102	0.23	4.3
10/16/2020 12:00	95	0.21	4.3
10/16/2020 12:30	102	0.23	4.3
10/16/2020 13:00	79	0.18	4.3
10/16/2020 13:30	70	0.15	4.3
10/16/2020 14:00	83	0.19	4.3
10/16/2020 14:30	67	0.15	4.3
10/16/2020 15:00	86	0.19	4.3
10/16/2020 15:30	84	0.19	4.3
10/16/2020 16:00	96	0.21	4.2
10/16/2020 16:30	103	0.23	4.2
10/16/2020 17:00	82	0.18	4.2
10/16/2020 17:30	81	0.18	4.2
10/16/2020 18:00	91	0.20	4.2
10/16/2020 18:30	105	0.23	4.2
10/16/2020 19:00	88	0.20	4.2
10/16/2020 19:30	111	0.25	4.2
10/16/2020 20:00	84	0.19	4.2
10/16/2020 20:30	87	0.19	4.2
10/16/2020 21:00	79	0.18	4.2
10/16/2020 21:30	91	0.20	4.2
10/16/2020 22:00	88	0.20	4.2
10/16/2020 22:30	102	0.23	4.2
10/16/2020 23:00	78	0.17	4.2
10/16/2020 23:30	68	0.15	4.2
10/17/2020 0:00	71	0.16	4.2
10/17/2020 0:30	78	0.17	4.2
10/17/2020 1:00	70	0.15	4.2
10/17/2020 1:30	75	0.17	4.2
10/17/2020 2:00	79	0.18	4.2
10/17/2020 2:30	76	0.17	4.2
10/17/2020 3:00	71	0.16	4.2
10/17/2020 3:30	72	0.16	4.2

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/17/2020 4:00	69	0.15	4.2
10/17/2020 4:30	75	0.17	4.2
10/17/2020 5:00	76	0.17	4.2
10/17/2020 5:30	90	0.20	4.3
10/17/2020 6:00	80	0.18	4.3
10/17/2020 6:30	104	0.23	4.3
10/17/2020 7:00	70	0.15	4.3
10/17/2020 7:30	78	0.17	4.3
10/17/2020 8:00	80	0.18	4.3
10/17/2020 8:30	109	0.24	4.3
10/17/2020 9:00	73	0.16	4.3
10/17/2020 9:30	81	0.18	4.3
10/17/2020 10:00	73	0.16	4.3
10/25/2020 8:00	103	0.23	2.4
10/25/2020 8:30	179	0.40	2.4
10/25/2020 9:00	163	0.36	2.4
10/25/2020 9:30	131	0.29	2.4
10/25/2020 10:00	128	0.28	2.4
10/25/2020 10:30	144	0.32	2.4
10/25/2020 11:00	122	0.27	2.4
10/25/2020 11:30	131	0.29	2.4
10/25/2020 12:00	125	0.28	2.4
10/25/2020 12:30	110	0.24	2.4
10/25/2020 13:00	99	0.22	2.4
10/25/2020 13:30	101	0.23	2.4
10/25/2020 14:00	89	0.20	2.4
10/25/2020 14:30	101	0.23	2.4
10/25/2020 15:00	92	0.21	2.4
10/25/2020 15:30	102	0.23	2.4
10/25/2020 16:00	108	0.24	2.4
10/25/2020 16:30	100	0.22	2.5
10/25/2020 17:00	106	0.24	2.5
10/25/2020 17:30	94	0.21	2.5
10/25/2020 18:00	100	0.22	2.5
10/25/2020 18:30	96	0.21	2.5
10/25/2020 19:00	109	0.24	2.5
10/25/2020 19:30	90	0.20	2.5
10/25/2020 20:00	102	0.23	2.5
10/25/2020 20:30	85	0.19	2.5
10/25/2020 21:00	89	0.20	2.5
10/25/2020 21:30	86	0.19	2.5
10/25/2020 22:00	81	0.18	2.5
10/25/2020 22:30	85	0.19	2.5
10/25/2020 23:00	94	0.21	2.5
10/25/2020 23:30	76	0.17	2.5
10/26/2020 0:00	62	0.14	2.5
10/26/2020 0:30	81	0.18	2.5
10/26/2020 1:00	86	0.19	2.5
10/26/2020 1:30	73	0.16	2.5
10/26/2020 2:00	77	0.17	2.6

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/26/2020 2:30	68	0.15	2.6
10/26/2020 3:00	65	0.14	2.6
10/26/2020 3:30	73	0.16	2.6
10/26/2020 4:00	76	0.17	2.6
10/26/2020 4:30	63	0.14	2.6
10/26/2020 5:00	58	0.13	2.7
10/26/2020 5:30	75	0.17	2.7
10/26/2020 6:00	89	0.20	2.7
10/26/2020 6:30	74	0.16	2.7
10/26/2020 7:00	84	0.19	2.7
10/26/2020 7:30	69	0.15	2.8
10/26/2020 8:00	74	0.17	2.8
10/26/2020 8:30	71	0.16	2.8
10/26/2020 9:00	80	0.18	2.8
10/26/2020 9:30	74	0.16	2.8
10/26/2020 10:00	82	0.18	2.9
10/26/2020 10:30	70	0.15	2.9
10/26/2020 10:45	3	0.01	2.9
10/26/2020 11:15	79	0.18	2.9
10/26/2020 11:45	80	0.18	2.9
10/26/2020 12:15	80	0.18	2.9
10/26/2020 12:45	70	0.16	2.9
10/26/2020 13:15	53	0.12	3.0
10/26/2020 13:45	69	0.15	3.0
10/26/2020 14:15	57	0.13	3.0
10/26/2020 14:45	68	0.15	3.0
10/26/2020 15:15	58	0.13	3.0
10/26/2020 15:45	79	0.18	3.0
10/26/2020 16:15	78	0.17	3.0
10/26/2020 16:45	82	0.18	3.0
10/26/2020 17:15	82	0.18	3.0
10/26/2020 17:45	82	0.18	3.0
10/26/2020 18:15	90	0.20	3.0
10/26/2020 18:45	80	0.18	3.0
10/26/2020 19:15	83	0.18	3.0
10/26/2020 19:45	86	0.19	3.0
10/26/2020 20:15	94	0.21	3.0
10/26/2020 20:45	80	0.18	3.0
10/26/2020 21:15	82	0.18	3.0
10/26/2020 21:45	82	0.18	3.0
10/26/2020 22:15	89	0.20	3.0
10/26/2020 22:45	82	0.18	3.0
10/26/2020 23:15	87	0.19	3.0
10/26/2020 23:45	75	0.17	3.0
10/27/2020 0:15	77	0.17	3.0
10/27/2020 0:45	77	0.17	3.0
10/27/2020 1:15	81	0.18	3.0
10/27/2020 1:45	84	0.19	3.0
10/27/2020 2:15	94	0.21	3.0
10/27/2020 2:45	68	0.15	3.0

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
10/27/2020 3:15	61	0.13	3.0
10/27/2020 3:45	81	0.18	3.0
10/30/2020 2:45	241	0.54	3.0
10/30/2020 3:15	235	0.52	3.1
10/30/2020 3:45	171	0.38	3.1
10/30/2020 4:15	199	0.44	3.1
10/30/2020 4:45	161	0.36	3.1
10/30/2020 5:15	184	0.41	3.0
10/30/2020 5:45	165	0.37	3.1
10/30/2020 6:15	195	0.43	3.1
10/30/2020 6:45	168	0.37	3.1
10/30/2020 7:15	219	0.49	3.1
10/30/2020 7:45	162	0.36	3.1
10/30/2020 8:15	208	0.46	3.1
10/30/2020 8:45	167	0.37	3.1
10/30/2020 9:15	212	0.47	3.1
10/30/2020 9:45	158	0.35	3.1
10/30/2020 10:15	186	0.41	3.1
10/30/2020 10:45	153	0.34	3.1
10/30/2020 11:15	186	0.41	3.1
10/30/2020 11:45	138	0.31	3.1
10/30/2020 12:15	157	0.35	3.1
10/30/2020 12:45	127	0.28	3.1
10/30/2020 13:15	134	0.30	3.1
10/30/2020 13:45	120	0.27	3.1
10/30/2020 14:15	130	0.29	3.1
10/30/2020 14:45	117	0.26	3.1
10/30/2020 15:15	122	0.27	3.1
10/30/2020 15:45	126	0.28	3.1
10/30/2020 16:15	137	0.31	3.1
10/30/2020 16:45	125	0.28	3.1
10/30/2020 17:15	145	0.32	3.1
10/30/2020 17:45	134	0.30	3.1
10/30/2020 18:15	165	0.37	3.1
10/30/2020 18:45	126	0.28	3.1
10/30/2020 19:15	156	0.35	3.1
10/30/2020 19:45	133	0.30	3.1
10/30/2020 20:15	169	0.38	3.1
10/30/2020 20:45	122	0.27	3.1
10/30/2020 21:15	150	0.33	3.1
10/30/2020 21:45	122	0.27	3.1
10/30/2020 22:15	143	0.32	3.1
10/30/2020 22:45	120	0.27	3.1
10/30/2020 23:15	138	0.31	3.1
10/30/2020 23:45	114	0.25	3.1
10/31/2020 0:15	124	0.28	3.1
10/31/2020 0:45	112	0.25	3.1
10/31/2020 1:15	120	0.27	3.1
10/31/2020 1:45	114	0.25	3.1
10/31/2020 2:15	127	0.28	3.1

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/1/2020 9:45	94	0.21	3.6
11/1/2020 10:15	75	0.17	3.6
11/1/2020 10:45	109	0.24	3.6
11/1/2020 11:15	103	0.23	3.6
11/1/2020 11:45	153	0.34	3.6
11/1/2020 12:15	215	0.48	3.6
11/1/2020 12:45	208	0.46	3.7
11/1/2020 13:15	152	0.34	3.7
11/1/2020 13:45	174	0.39	3.7
11/1/2020 14:15	179	0.40	3.7
11/1/2020 14:45	196	0.44	3.7
11/1/2020 15:15	190	0.42	3.7
11/1/2020 15:45	161	0.36	3.8
11/1/2020 16:15	130	0.29	3.8
11/1/2020 16:45	183	0.41	3.8
11/1/2020 17:15	181	0.40	3.8
11/1/2020 17:45	158	0.35	3.8
11/1/2020 18:15	139	0.31	3.9
11/1/2020 18:45	168	0.37	3.9
11/1/2020 19:15	178	0.40	3.9
11/1/2020 19:45	158	0.35	3.9
11/1/2020 20:15	163	0.36	3.9
11/1/2020 20:45	147	0.33	3.9
11/1/2020 21:15	143	0.32	4.0
11/1/2020 21:45	142	0.32	4.0
11/1/2020 22:15	146	0.32	4.0
11/1/2020 22:45	159	0.36	4.0
11/1/2020 23:15	189	0.42	4.0
11/1/2020 23:45	146	0.33	4.0
11/2/2020 0:15	172	0.38	4.0
11/2/2020 0:45	152	0.34	4.0
11/2/2020 1:15	171	0.38	4.1
11/2/2020 1:45	147	0.33	4.1
11/2/2020 2:15	188	0.42	4.1
11/2/2020 2:45	144	0.32	4.1
11/2/2020 3:15	163	0.36	4.1
11/2/2020 3:45	139	0.31	4.1
11/2/2020 4:15	157	0.35	4.1
11/2/2020 4:45	144	0.32	4.1
11/2/2020 5:15	177	0.40	4.1
11/2/2020 5:45	144	0.32	4.1
11/2/2020 6:15	181	0.40	4.1
11/2/2020 6:45	150	0.33	4.1
11/2/2020 7:15	175	0.39	4.1
11/2/2020 7:45	129	0.29	4.1
11/2/2020 8:15	153	0.34	4.1
11/2/2020 8:45	146	0.32	4.1
11/2/2020 9:15	188	0.42	4.1
11/2/2020 9:45	119	0.27	4.1
11/2/2020 10:15	126	0.28	4.1

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/2/2020 10:45	103	0.23	4.1
11/2/2020 11:15	92	0.21	4.1
11/2/2020 11:45	111	0.25	4.1
11/9/2020 14:45	100	0.22	2.3
11/9/2020 15:15	89	0.20	2.3
11/9/2020 15:45	119	0.27	2.3
11/9/2020 16:15	115	0.26	2.3
11/9/2020 16:45	136	0.30	2.3
11/9/2020 17:15	128	0.29	2.3
11/9/2020 17:45	120	0.27	2.3
11/9/2020 18:15	118	0.26	2.3
11/9/2020 18:45	126	0.28	2.3
11/9/2020 19:15	135	0.30	2.3
11/9/2020 19:45	127	0.28	2.3
11/9/2020 20:15	130	0.29	2.3
11/9/2020 20:45	115	0.26	2.3
11/9/2020 21:15	108	0.24	2.3
11/9/2020 21:45	116	0.26	2.3
11/9/2020 22:15	113	0.25	2.3
11/9/2020 22:45	116	0.26	2.3
11/9/2020 23:15	112	0.25	2.3
11/9/2020 23:45	113	0.25	2.3
11/10/2020 0:15	102	0.23	2.3
11/10/2020 0:45	113	0.25	2.3
11/10/2020 1:15	106	0.24	2.3
11/10/2020 1:45	108	0.24	2.3
11/10/2020 2:15	104	0.23	2.3
11/10/2020 2:45	112	0.25	2.3
11/10/2020 3:15	108	0.24	2.3
11/10/2020 3:45	117	0.26	2.3
11/10/2020 4:15	110	0.24	2.3
11/10/2020 4:45	110	0.24	2.3
11/10/2020 5:15	108	0.24	2.3
11/10/2020 5:45	113	0.25	2.3
11/10/2020 6:15	113	0.25	2.3
11/10/2020 6:45	115	0.26	2.2
11/10/2020 7:15	118	0.26	2.2
11/10/2020 7:45	114	0.25	2.2
11/10/2020 8:15	119	0.27	2.2
11/10/2020 8:45	116	0.26	2.3
11/10/2020 9:15	115	0.26	2.3
11/10/2020 9:45	115	0.26	2.2
11/10/2020 10:15	113	0.25	2.3
11/10/2020 10:45	116	0.26	2.3
11/10/2020 11:15	113	0.25	2.3
11/10/2020 11:45	105	0.23	2.3
11/10/2020 12:15	94	0.21	2.3
11/10/2020 12:45	100	0.22	2.2
11/10/2020 13:15	85	0.19	2.3
11/10/2020 13:45	98	0.22	2.2

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/10/2020 14:15	78	0.17	2.2
11/10/2020 14:45	105	0.23	2.2
11/10/2020 15:15	92	0.21	2.2
11/10/2020 15:45	112	0.25	2.2
11/10/2020 16:15	106	0.24	2.2
11/10/2020 16:45	114	0.25	2.2
11/10/2020 16:30	51	0.11	2.2
11/10/2020 17:00	51	0.11	2.2
11/10/2020 17:30	57	0.13	2.2
11/10/2020 18:00	59	0.13	2.2
11/10/2020 18:30	62	0.14	2.2
11/10/2020 19:00	64	0.14	2.2
11/10/2020 19:30	61	0.14	2.2
11/10/2020 20:00	63	0.14	2.2
11/10/2020 20:30	56	0.13	2.2
11/10/2020 21:00	56	0.13	2.2
11/10/2020 21:30	55	0.12	2.2
11/10/2020 22:00	54	0.12	2.2
11/10/2020 22:30	50	0.11	2.2
11/10/2020 23:00	48	0.11	2.2
11/10/2020 23:30	51	0.11	2.2
11/11/2020 0:00	44	0.10	2.2
11/11/2020 0:30	48	0.11	2.2
11/11/2020 1:00	44	0.10	2.2
11/11/2020 1:30	49	0.11	2.2
11/11/2020 2:00	45	0.10	2.2
11/11/2020 2:30	49	0.11	2.2
11/11/2020 3:00	41	0.09	2.2
11/11/2020 3:30	53	0.12	2.2
11/11/2020 11:00	105	0.23	2.2
11/11/2020 11:30	122	0.27	2.2
11/11/2020 12:00	86	0.19	2.2
11/11/2020 12:30	230	0.51	2.3
11/11/2020 13:00	393	0.88	2.3
11/11/2020 13:30	496	1.11	2.3
11/11/2020 14:00	382	0.85	2.3
11/11/2020 14:30	395	0.88	2.3
11/11/2020 15:00	302	0.67	2.3
11/11/2020 15:30	299	0.67	2.3
11/11/2020 16:00	250	0.56	2.3
11/11/2020 16:30	214	0.48	2.3
11/11/2020 17:00	194	0.43	2.3
11/11/2020 17:30	188	0.42	2.3
11/11/2020 19:00	636	1.42	2.4
11/11/2020 19:30	405	0.90	2.5
11/11/2020 20:00	309	0.69	2.5
11/11/2020 20:30	388	0.86	2.5
11/11/2020 21:00	516	1.15	2.6
11/11/2020 22:00	410	0.91	2.8
11/11/2020 22:30	367	0.82	2.8

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/11/2020 23:00	296	0.66	3.0
11/11/2020 23:30	216	0.48	3.0
11/12/2020 0:00	172	0.38	3.1
11/12/2020 0:30	102	0.23	3.2
11/12/2020 1:00	116	0.26	3.3
11/12/2020 1:30	215	0.48	3.4
11/12/2020 2:00	187	0.42	3.4
11/12/2020 2:30	181	0.40	3.5
11/12/2020 3:00	173	0.39	3.6
11/12/2020 3:30	168	0.37	3.7
11/12/2020 4:00	136	0.30	3.7
11/12/2020 4:30	112	0.25	3.9
11/12/2020 5:00	90	0.20	4.0
11/12/2020 5:30	90	0.20	4.1
11/12/2020 6:00	73	0.16	4.2
11/12/2020 6:30	64	0.14	4.3
11/12/2020 7:00	62	0.14	4.3
11/12/2020 7:30	59	0.13	4.4
11/12/2020 8:00	57	0.13	4.5
11/12/2020 8:30	56	0.13	4.6
11/12/2020 9:00	53	0.12	4.7
11/12/2020 9:30	46	0.10	4.7
11/12/2020 10:00	46	0.10	4.8
11/12/2020 10:30	40	0.09	4.8
11/12/2020 11:00	45	0.10	4.9
11/12/2020 11:30	60	0.13	5.0
11/12/2020 12:00	618	1.38	5.1
11/25/2020 19:00	61	0.14	5.1
11/25/2020 19:30	56	0.13	5.1
11/25/2020 20:00	46	0.10	5.1
11/25/2020 20:30	40	0.09	5.1
11/25/2020 21:00	37	0.08	5.1
11/25/2020 21:30	48	0.11	5.1
11/25/2020 22:00	47	0.10	5.1
11/25/2020 22:30	53	0.12	5.1
11/25/2020 23:00	49	0.11	5.1
11/25/2020 23:30	46	0.10	5.1
11/26/2020 0:00	40	0.09	5.1
11/26/2020 0:30	39	0.09	5.1
11/26/2020 1:00	33	0.07	5.1
11/26/2020 1:30	35	0.08	5.0
11/26/2020 2:00	28	0.06	5.0
11/26/2020 2:30	32	0.07	5.0
11/26/2020 3:00	25	0.06	5.0
11/26/2020 3:30	39	0.09	5.0
11/26/2020 4:00	39	0.09	5.0
11/26/2020 4:30	62	0.14	5.0
11/26/2020 5:00	61	0.14	4.9
11/26/2020 5:30	57	0.13	4.9
11/26/2020 6:00	55	0.12	4.9

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/26/2020 6:30	55	0.12	4.9
11/26/2020 7:00	55	0.12	4.9
11/26/2020 7:30	56	0.12	4.8
11/26/2020 8:00	61	0.14	4.8
11/26/2020 8:30	65	0.15	4.8
11/26/2020 9:00	67	0.15	4.7
11/26/2020 9:30	53	0.12	4.7
11/26/2020 10:00	57	0.13	4.7
11/26/2020 10:30	55	0.12	4.6
11/26/2020 11:00	54	0.12	4.6
11/26/2020 11:30	46	0.10	4.6
11/26/2020 12:00	41	0.09	4.5
11/26/2020 12:30	34	0.08	4.5
11/26/2020 13:00	30	0.07	4.5
11/26/2020 13:30	34	0.08	4.5
11/26/2020 14:00	28	0.06	4.4
11/26/2020 14:30	35	0.08	4.4
11/26/2020 15:00	28	0.06	4.4
11/26/2020 15:30	44	0.10	4.3
11/26/2020 16:00	41	0.09	4.3
11/26/2020 16:30	46	0.10	4.3
11/26/2020 17:00	41	0.09	4.3
11/26/2020 17:30	43	0.10	4.3
11/26/2020 18:00	39	0.09	4.2
11/26/2020 18:30	35	0.08	4.2
11/28/2020 9:00	30	0.07	3.8
11/28/2020 9:30	28	0.06	3.8
11/28/2020 10:00	41	0.09	3.8
11/28/2020 10:30	30	0.07	3.8
11/28/2020 11:00	25	0.06	3.8
11/28/2020 11:30	12	0.03	3.8
11/28/2020 12:00	7	0.02	3.8
11/28/2020 12:30	5	0.01	3.8
11/28/2020 13:00	3	0.01	3.8
11/28/2020 13:30	8	0.02	3.8
11/28/2020 14:00	6	0.01	3.8
11/28/2020 14:30	11	0.02	3.8
11/28/2020 15:00	11	0.02	3.8
11/28/2020 15:30	12	0.03	3.8
11/28/2020 16:00	12	0.03	3.8
11/28/2020 16:30	8	0.02	3.8
11/28/2020 17:00	9	0.02	3.8
11/28/2020 17:30	8	0.02	3.8
11/28/2020 18:00	10	0.02	3.8
11/28/2020 18:30	9	0.02	3.8
11/28/2020 19:00	12	0.03	3.8
11/28/2020 19:30	11	0.02	3.8
11/28/2020 20:00	13	0.03	3.8
11/28/2020 20:30	10	0.02	3.8
11/28/2020 21:00	14	0.03	3.8

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/28/2020 21:30	7	0.02	3.8
11/28/2020 22:00	8	0.02	3.8
11/28/2020 22:30	6	0.01	3.8
11/28/2020 23:00	8	0.02	3.8
11/28/2020 23:30	6	0.01	3.8
11/29/2020 0:00	5	0.01	3.8
11/29/2020 0:30	5	0.01	3.8
11/29/2020 1:00	5	0.01	3.8
11/29/2020 1:30	6	0.01	3.8
11/29/2020 2:00	8	0.02	3.8
11/29/2020 2:30	6	0.01	3.8
11/29/2020 3:00	7	0.02	3.8
11/29/2020 3:30	3	0.01	3.8
11/29/2020 4:00	3	0.01	3.8
11/29/2020 4:30	4	0.01	3.8
11/29/2020 5:00	3	0.01	3.8
11/29/2020 5:30	6	0.01	3.8
11/29/2020 6:00	6	0.01	3.8
11/29/2020 6:30	7	0.02	3.8
11/29/2020 7:00	11	0.02	3.8
11/29/2020 7:30	9	0.02	3.8
11/29/2020 8:00	10	0.02	3.8
11/29/2020 8:30	6	0.01	3.8
11/29/2020 9:00	7	0.02	3.8
11/29/2020 9:30	6	0.01	3.8
11/29/2020 10:00	6	0.01	3.8
11/29/2020 10:30	5	0.01	3.8
11/29/2020 11:00	5	0.01	3.8
11/29/2020 11:30	2	4.1E-03	3.8
11/29/2020 19:30	4	0.01	3.8
11/29/2020 20:00	3	0.01	3.8
11/29/2020 20:30	4	0.01	3.8
11/29/2020 21:00	4	0.01	3.8
11/29/2020 21:30	11	0.02	3.8
11/29/2020 22:00	8	0.02	3.8
11/29/2020 22:30	13	0.03	3.8
11/29/2020 23:00	11	0.02	3.8
11/29/2020 23:30	15	0.03	3.8
11/30/2020 0:00	5	0.01	3.8
11/30/2020 0:30	10	0.02	3.8
11/30/2020 1:00	14	0.03	3.8
11/30/2020 1:30	35	0.08	3.8
11/30/2020 2:00	25	0.06	3.8
11/30/2020 2:30	48	0.11	3.8
11/30/2020 3:00	29	0.06	3.9
11/30/2020 3:30	27	0.06	3.9
11/30/2020 4:00	13	0.03	3.9
11/30/2020 4:30	25	0.06	3.9
11/30/2020 5:00	13	0.03	3.9
11/30/2020 5:30	23	0.05	3.9

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
11/30/2020 6:00	11	0.02	4.0
11/30/2020 6:30	21	0.05	4.0
11/30/2020 7:00	18	0.04	4.0
11/30/2020 7:30	22	0.05	4.0
11/30/2020 8:00	17	0.04	4.0
11/30/2020 8:30	31	0.07	4.0
11/30/2020 9:00	23	0.05	4.0
11/30/2020 9:30	22	0.05	4.1
11/30/2020 10:00	9	0.02	4.1
11/30/2020 10:30	17	0.04	4.1
11/30/2020 11:00	16	0.04	4.1
11/30/2020 11:30	17	0.04	4.1
11/30/2020 12:00	14	0.03	4.1
11/30/2020 12:30	21	0.05	4.2
11/30/2020 13:00	19	0.04	4.2
11/30/2020 13:30	35	0.08	4.2
11/30/2020 14:00	37	0.08	4.2
11/30/2020 14:30	31	0.07	4.3
11/30/2020 15:00	38	0.08	4.3
11/30/2020 15:30	48	0.11	4.3
11/30/2020 16:00	62	0.14	4.3
11/30/2020 16:30	54	0.12	4.4
11/30/2020 17:00	67	0.15	4.4
11/30/2020 17:30	36	0.08	4.4
11/30/2020 18:00	45	0.10	4.4
11/30/2020 18:30	38	0.09	4.5
11/30/2020 19:00	45	0.10	4.5
11/30/2020 19:30	42	0.09	4.5
11/30/2020 20:00	51	0.11	4.6
11/30/2020 20:30	32	0.07	4.6
11/30/2020 21:00	37	0.08	4.6
11/30/2020 21:30	28	0.06	4.6
11/30/2020 22:00	31	0.07	4.7
11/30/2020 22:30	31	0.07	4.7
11/30/2020 23:00	33	0.07	4.7
11/30/2020 23:30	25	0.06	4.8
12/1/2020 0:00	27	0.06	4.8
12/1/2020 0:30	26	0.06	4.9
12/1/2020 1:00	30	0.07	4.9
12/1/2020 1:30	27	0.06	5.0
12/1/2020 2:00	33	0.07	5.0
12/1/2020 2:30	31	0.07	5.0
12/1/2020 3:00	37	0.08	5.1
12/1/2020 3:30	28	0.06	5.2
12/1/2020 4:00	34	0.07	5.2
12/1/2020 4:30	29	0.06	5.3
12/1/2020 5:00	35	0.08	5.3
12/1/2020 5:30	39	0.09	5.4
12/1/2020 6:00	61	0.14	5.4
12/1/2020 6:30	74	0.16	5.5

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
12/1/2020 7:00	117	0.26	5.5
12/1/2020 7:30	118	0.26	5.6
12/1/2020 8:00	168	0.38	5.6
12/1/2020 8:30	177	0.39	5.7
12/5/2020 0:00	147	0.33	5.5
12/5/2020 0:30	241	0.54	5.5
12/5/2020 1:00	251	0.56	5.5
12/5/2020 1:30	160	0.36	5.5
12/5/2020 2:00	166	0.37	5.5
12/5/2020 2:30	205	0.46	5.5
12/5/2020 3:00	224	0.50	5.5
12/5/2020 3:30	196	0.44	5.5
12/5/2020 4:00	220	0.49	5.5
12/5/2020 4:30	205	0.46	5.4
12/5/2020 5:00	234	0.52	5.4
12/5/2020 5:30	199	0.44	5.4
12/5/2020 6:00	217	0.48	5.4
12/5/2020 6:30	180	0.40	5.4
12/5/2020 7:00	199	0.44	5.4
12/5/2020 7:30	177	0.39	5.4
12/5/2020 8:00	196	0.44	5.4
12/5/2020 8:30	168	0.37	5.4
12/5/2020 9:00	188	0.42	5.4
12/5/2020 9:30	161	0.36	5.4
12/5/2020 10:00	170	0.38	5.4
12/5/2020 10:30	140	0.31	5.4
12/5/2020 11:00	130	0.29	5.3
12/5/2020 11:30	109	0.24	5.3
12/5/2020 12:00	100	0.22	5.3
12/5/2020 12:30	106	0.24	5.3
12/5/2020 13:00	99	0.22	5.3
12/5/2020 13:30	108	0.24	5.3
12/5/2020 14:00	102	0.23	5.3
12/5/2020 14:30	107	0.24	5.3
12/5/2020 15:00	105	0.23	5.3
12/5/2020 15:30	109	0.24	5.3
12/5/2020 16:00	112	0.25	5.3
12/5/2020 16:30	127	0.28	5.3
12/5/2020 17:00	130	0.29	5.3
12/5/2020 17:30	128	0.28	5.3
12/5/2020 18:00	139	0.31	5.3
12/5/2020 18:30	138	0.31	5.3
12/5/2020 19:00	148	0.33	5.3
12/5/2020 19:30	132	0.29	5.2
12/5/2020 20:00	141	0.31	5.2
12/5/2020 20:30	125	0.28	5.2
12/5/2020 21:00	129	0.29	5.2
12/5/2020 21:30	117	0.26	5.2
12/5/2020 22:00	125	0.28	5.2
12/5/2020 22:30	120	0.27	5.2

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
12/5/2020 23:00	126	0.28	5.2
12/5/2020 23:30	109	0.24	5.2
12/6/2020 0:00	111	0.25	5.2
12/7/2020 3:00	56	0.12	5.4
12/7/2020 3:30	87	0.19	5.4
12/7/2020 4:00	79	0.18	5.4
12/7/2020 4:30	104	0.23	5.4
12/7/2020 5:00	106	0.24	5.4
12/7/2020 5:30	79	0.18	5.4
12/7/2020 6:00	70	0.16	5.4
12/7/2020 6:30	90	0.20	5.4
12/7/2020 7:00	82	0.18	5.5
12/7/2020 7:30	116	0.26	5.5
12/7/2020 8:00	114	0.25	5.5
12/7/2020 8:30	106	0.24	5.5
12/7/2020 9:00	100	0.22	5.5
12/7/2020 9:30	102	0.23	5.5
12/7/2020 10:00	99	0.22	5.5
12/7/2020 10:30	112	0.25	5.5
12/7/2020 11:00	105	0.23	5.5
12/7/2020 11:30	99	0.22	5.5
12/7/2020 12:00	82	0.18	5.5
12/7/2020 12:30	82	0.18	5.5
12/7/2020 13:00	66	0.15	5.5
12/7/2020 13:30	96	0.21	5.5
12/7/2020 14:00	85	0.19	5.5
12/7/2020 14:30	132	0.29	5.5
12/7/2020 15:00	138	0.31	5.5
12/7/2020 15:30	166	0.37	5.5
12/7/2020 16:00	200	0.45	5.5
12/7/2020 16:30	192	0.43	5.6
12/7/2020 17:00	221	0.49	5.5
12/7/2020 17:30	198	0.44	5.5
12/7/2020 18:00	229	0.51	5.5
12/7/2020 18:30	201	0.45	5.5
12/7/2020 19:00	231	0.51	5.5
12/7/2020 19:30	193	0.43	5.5
12/7/2020 20:00	207	0.46	5.5
12/7/2020 20:30	166	0.37	5.5
12/7/2020 21:00	181	0.40	5.5
12/7/2020 21:30	193	0.43	5.5
12/7/2020 22:00	209	0.47	5.5
12/7/2020 22:30	191	0.43	5.5
12/7/2020 23:00	208	0.46	5.5
12/7/2020 23:30	154	0.34	5.5
12/8/2020 0:00	159	0.35	5.5
12/8/2020 0:30	136	0.30	5.5
12/8/2020 1:00	131	0.29	5.5
12/8/2020 1:30	158	0.35	5.5
12/8/2020 2:00	173	0.39	5.5

TABLE B4
HISTORICAL SEEP A FLUME DATA - Q4 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
12/8/2020 2:30	167	0.37	5.5
12/8/2020 3:00	179	0.40	5.5
12/8/2020 3:30	159	0.35	5.5
12/8/2020 4:00	177	0.40	5.5
12/8/2020 4:30	154	0.34	5.5
12/8/2020 5:00	169	0.38	5.5
12/8/2020 5:30	155	0.34	5.5
12/8/2020 6:00	163	0.36	5.5
12/8/2020 6:30	160	0.36	5.5
12/8/2020 7:00	169	0.38	5.5
12/8/2020 7:30	158	0.35	5.5
12/8/2020 8:00	180	0.40	5.5
12/8/2020 8:30	177	0.39	5.5
12/8/2020 9:00	196	0.44	5.5
12/8/2020 9:30	153	0.34	5.5
12/8/2020 10:00	160	0.36	5.5
12/8/2020 10:30	134	0.30	5.5
12/8/2020 11:00	130	0.29	5.5
12/8/2020 11:30	110	0.25	5.5
12/8/2020 12:00	99	0.22	5.5
12/8/2020 12:30	96	0.21	5.5
12/8/2020 13:00	83	0.19	5.5
12/8/2020 13:30	98	0.22	0.0
12/8/2020 14:00	84	0.19	5.5
12/8/2020 14:30	115	0.26	5.5
12/8/2020 15:00	109	0.24	5.5
12/8/2020 15:30	129	0.29	5.5
12/8/2020 16:00	134	0.30	5.5
12/8/2020 16:30	162	0.36	5.5
12/8/2020 17:00	184	0.41	5.5
12/8/2020 17:30	157	0.35	5.4
Median Flow Rate	87.2	0.19	

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

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

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.14	0.00	0.63	0.09
Bottom	0.5	0.55	0.28	0.53	1.31	0.36
Middle	0.5	0.28		1.25		
Top	0.5	0.00		1.25		
Bottom	1	0.55	0.25	1.03	1.22	0.31
Middle	1	0.28		1.36		
Top	1	0.00		1.40		
Bottom	1.5	0.45	0.23	1.01	1.13	0.25
Middle	1.5	0.23		1.08		
Top	1.5	0.00		1.09		
Bottom	2	0.45	0.23	1.08	1.10	0.25
Middle	2	0.23		1.18		
Top	2	0.00		1.26		
Bottom	2.5	0.45	0.19	0.61	0.83	0.16
Middle	2.5	0.23		1.02		
Top	2.5	0.00		1.05		
Bottom	3	0.30	0.08	0.34	0.32	0.02
Middle	3	0.15		0.64		
Top	3	0.00		0.70		
North Bank	3.5	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			1.4
			(gpm)			642
			(L/s)			41

Associated Measurement Notes
Location: Chemours Fayetteville
Station: OLDOF-1
Date: October 20, 2021

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 B5-2

OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - NOVEMBER 2021

Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.10	0.00	0.65	0.07
Bottom	0.5	0.40	0.25	1.29	1.23	0.31
Middle	0.5	0.20		1.30		
Top	0.5	0.00		1.31		
Bottom	1	0.60	0.28	0.95	1.09	0.30
Middle	1	0.30		1.15		
Top	1	0.00		1.26		
Bottom	1.5	0.50	0.24	0.74	1.02	0.24
Middle	1.5	0.25		1.03		
Top	1.5	0.00		1.19		
Bottom	2	0.45	0.24	0.65	0.96	0.23
Middle	2	0.23		1.01		
Top	2	0.00		1.14		
Bottom	2.5	0.50	0.23	0.65	0.75	0.17
Middle	2.5	0.25		0.90		
Top	2.5	0.00		1.02		
Bottom	3	0.40	0.10	0.32	0.30	0.03
Middle	3	0.20		0.60		
Top	3	0.00		0.65		
North Bank	3.5	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			1.3
			(gpm)			601
			(L/s)			38

Associated Measurement Notes

Location: Chemours Fayetteville

Station: OLDOF-1

Date: November 10, 2021

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 B5-3

OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - DECEMBER 2021

Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.13	0.00	0.33	0.04
Bottom	0.5	0.50	0.25	0.45	0.61	0.15
Middle	0.5	0.25		0.66		
Top	0.5	0.00		0.68		
Bottom	1	0.50	0.23	0.38	0.56	0.13
Middle	1	0.25		0.55		
Top	1	0.00		0.65		
Bottom	1.5	0.40	0.20	0.49	0.55	0.109
Middle	1.5	0.20		0.57		
Top	1.5	0.00		0.68		
Bottom	2	0.40	0.20	0.36	0.39	0.08
Middle	2	0.20		0.52		
Top	2	0.00		0.62		
Bottom	2.5	0.40	0.15	0.15	0.15	0.02
Middle	2.5	0.20		0.25		
Top	2.5	0.00		0.25		
Bottom	3	0.20	0.05	0.01	0.02	0.00
Top	3	0.00		0.07		
North Bank	3.5	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			0.5
			(gpm)			237
			(L/s)			15

Associated Measurement Notes

Location: Chemours Fayetteville

Station: OLDOF-1

Date: December 15, 2021

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

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	1.35	0.00	0.42	0.56
Bottom	3	0.90	2.10	0.07	1.04	2.18
Middle	3	0.45		0.83		
Top	3	0.00		0.96		
Bottom	6	0.50	1.43	0.35	1.18	1.68
Middle	6	0.25		1.25		
Top	6	0.00		1.33		
Bottom	9	0.45	1.35	0.86	1.07	1.44
Middle	9	0.23		1.11		
Top	9	0.00		1.21		
Bottom	12	0.45	1.13	0.30	0.67	0.75
Middle	12	0.23		1.03		
Top	12	0.00		1.25		
Bottom	15	0.30	0.38	0.23	0.16	0.06
Middle	15	0.15		0.31		
Top	15	0.00		0.45		
North Bank	17.5	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			6.7
			(gpm)			2,999
			(L/s)			189

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: October 20, 2021

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 B6-2
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
North Bank	0	0.00	0.97	0.00	0.44	0.42
Bottom	2.5	0.78	1.59	0.35	0.855	1.36
Middle	2.5	0.39		0.87		
Top	2.5	0.00		1.12		
Bottom	5	0.50	1.25	0.55	0.95	1.19
Middle	5	0.25		0.84		
Top	5	0.00		1.05		
Bottom	7.5	0.50	1.25	0.80	1.20	1.50
Middle	7.5	0.25		1.06		
Top	7.5	0.00		1.37		
Bottom	10	0.50	1.25	0.66	1.26	1.58
Middle	10	0.25		1.34		
Top	10	0.00		1.40		
Bottom	12.5	0.50	0.63	0.66	0.59	0.37
Middle	12.5	0.25		1.18		
Top	12.5	0.00		1.26		
South Bank	15	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			6.4
			(gpm)			2,879
			(L/s)			182

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: November 10, 2021

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 B6-3

WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - DECEMBER 2021

Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
Bank	0	0.00	0.23	0.00	0.14	0.03
Bottom	3	0.15	0.68	0.22	0.41	0.28
Middle	3	0.08		0.28		
Top	3	0.00		0.32		
Bottom	6	0.30	0.68	0.21	0.61	0.41
Middle	6	0.15		0.54		
Top	6	0.00		0.85		
Bottom	9	0.15	0.60	0.60	0.91	0.54
Middle	9	0.08		0.68		
Top	9	0.00		0.84		
Bottom	12	0.25	0.83	0.90	1.11	0.91
Middle	12	0.13		1.13		
Top	12	0.00		1.13		
Bottom	15	0.30	1.43	0.85	1.02	1.45
Middle	15	0.15		1.08		
Top	15	0.00		1.14		
Bottom	18	0.65	1.88	0.54	0.92	1.73
Middle	18	0.33		0.96		
Top	18	0.00		1.02		
Bottom	21	0.60	1.73	0.58	0.81	1.39
Middle	21	0.30		0.88		
Top	21	0.00		0.89		
Bottom	24	0.55	0.55	0.38	0.37	0.20
Middle	24	0.23		0.73		
Top	24	0.00		0.78		
Bank	26	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			6.9
			(gpm)			3,116
			(L/s)			197

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Willis Creek 01 (SW-WC-01)

Date: December 15, 2021

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 B7-1

GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - OCTOBER 2021

Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
Bank	0	0.00	0.18	0.00	0.02	0.00
B	1	0.35	0.18	0.04	0.02	0.00
M	1	0.18		0.04		
T	1	0.00		0.00		
Sand Bar	2	0.00	0.18	0.00	0.04	0.01
B	3	0.35	0.43	0.05	0.41	0.17
M	3	0.18		0.07		
T	3	0.00		0.05		
B	4	0.50	0.53	0.39	1.03	0.54
M	4	0.25		0.75		
T	4	0.00		1.05		
B	5	0.55	0.48	0.50	1.09	0.52
M	5	0.18		1.30		
T	5	0.00		1.35		
B	6	0.40	0.33	1.09	1.28	0.41
M	6	0.20		0.88		
T	6	0.00		1.70		
B	7	0.25	0.33	1.47	1.46	0.47
M	7	0.13		1.67		
T	7	0.00		2.05		
B	8	0.40	0.40	1.15	1.28	0.51
M	8	0.20		1.25		
T	8	0.00		1.66		
B	9	0.40	0.40	1.22	1.33	0.53
M	9	0.20		1.30		
T	9	0.00		1.61		
B	10	0.40	0.45	1.11	1.33	0.60
M	10	0.20		1.35		
T	10	0.00		1.40		
B	11	0.50	0.38	1.08	0.78	0.29
M	11	0.25		1.30		
T	11	0.00		1.50		
B	12	0.25	0.13	0.30	0.13	0.02
M	12	0.13		0.25		
T	12	0.00		0.41		
Bank	13	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			4.1
			(gpm)			1,829
			(L/s)			115

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Georgia Branch 01 (SW-GB-01)

Date: October 19, 2021

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

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.20	0.00	0.14	0.03
Bottom	1	0.40	0.50	0.27	0.71	0.35
Middle	1	0.20		0.27		
Top	1	0.00		0.38		
Bottom	2	0.60	0.70	0.78	1.34	0.93
Middle	2	0.30		1.14		
Top	2	0.00		1.08		
Bottom	3	0.80	0.75	1.25	1.49	1.11
Middle	3	0.40		1.53		
Top	3	0.00		1.68		
Bottom	4	0.70	0.55	0.99	1.61	0.88
Middle	4	0.35		1.44		
Top	4	0.00		1.50		
Bottom	5	0.40	0.30	1.34	0.98	0.29
Middle	5	0.20		1.77		
Top	5	0.00		1.70		
Bottom[3]	6	0.20	0.25	0.12	0.18	0.05
Bottom	7	0.30	0.35	0.24	0.73	0.25
Top	7	0.00		0.60		
Bottom	8	0.40	0.20	0.72	0.52	0.10
Middle	8	0.20		1.03		
Top	8	0.00		1.18		
North Bank	9	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			4.0
			(gpm)			1,797
			(L/s)			113

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 01 (SW-GB-01)
Date: November 9, 2021

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.

3 - Weeds growing at this station.

TABLE B7-3

GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - DECEMBER 2021

Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
Bank	0	0.00	0.23	0.00	0.30	0.07
Bottom	1.5	0.30	0.45	0.31	0.55	0.25
Middle	1.5	0.15		0.59		
Top	1.5	0.00		0.70		
Bottom	3	0.30	0.53	0.44	0.65	0.34
Middle	3	0.15		0.50		
Top	3	0.00		0.52		
Bottom	4.5	0.40	0.75	0.44	0.83	0.62
Middle	4.5	0.20		0.79		
Top	4.5	0.00		0.87		
Bottom	6	0.60	1.35	0.35	0.79	1.06
Middle	6	0.30		0.87		
Top	6	0.00		1.09		
Bottom	7.5	1.20	1.65	0.28	0.71	1.16
Middle	7.5	0.60		0.70		
Top	7.5	0.00		1.11		
Bottom	9	1.00	0.85	0.20	0.36	0.30
Middle	9	0.50		0.71		
Top	9	0.00		0.70		
Bank	10.7	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			3.8
			(gpm)			1,704
			(L/s)			108

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Georgia Branch 01 (SW-GB-01)

Date: December 14, 2021

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 - Q4 2021
Chemours Fayetteville Works, North Carolina

Q4 2021 Monthly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
October 2021[1]	10/19/2021	4.058	4,058,000	9.6	1,628,836
	10/20/2021	4.457	4,457,000	13.4	2,482,301
	10/19/2021 2:22:00 PM to 10/20/2021 1:22:00 PM			23	4,111,138
November 2021[2]	11/10/2021	2.597	2,597,000	9.8	1,062,245
	11/11/2021	4.500	4,500,000	13.2	2,471,875
	11/10/2021 2:11:00 PM to 11/11/2021 1:11:00 PM			23	3,534,120
September 2021[3]	12/14/2021	4.397	4,397,000	8.9	1,636,661
	12/15/2021	4.826	4,826,000	14.1	2,828,572
	12/14/2021 3:04:00 PM to 12/15/2021 2:04:00 PM			23	4,465,233

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 1:22 pm on 10/20/2021 approximated based on flow rates for 10/19/2021 and 10/20/2021
2 - Total flow volume for 24-hour temporal composite sample collected at 1:11 pm on 11/10/2021 approximated based on flow rates for 11/10/2021 and 11/11/2021
3 - Total flow volume for 24-hour temporal composite sample collected at 2:04 pm on 12/15/2021 approximated based on flow rates for 12/14/2021 and 12/15/2021
Acronyms:
gal - gallons
MGD - millions of gallons per day

TABLE B9-1
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - Q4 2021
Chemours Fayetteville Works, North Carolina

Q4 2021 Monthly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Travel Time Offset (hr)[2]	Adjusted Flow Gauging Timepoint	Composite Sample 24-Hour Flow Volume (MGD)[3]	Grab Sample Instantaneous Flow Rate (ft^3/s)[4]
October 2021	Upstream River Water and Groundwater	10/19/2021 11:42	William O Huske Lock and Dam	--	10/19/2021 11:42	--	927
	Tarheel (Composite Sample)	10/21/2021 3:24	William O Huske Lock and Dam	7	10/20/2021 10:30	912	--
	Tarheel (Grab Sample)	10/20/2021 11:50	William O Huske Lock and Dam	7	10/19/2021 19:30	--	927
	Bladen Bluff	10/20/2021 10:55	William O Huske Lock and Dam	5	10/19/2021 23:45	--	908
	Kings Bluff	10/26/2021 12:50	Cape Fear River Lock and Dam #1	--	10/26/2021 12:50	--	1,040
November 2021	Upstream River Water and Groundwater	11/9/2021 11:40	William O Huske Lock and Dam	--	11/9/2021 11:40	--	935
	Tarheel (Composite Sample)	11/11/2021 3:36	William O Huske Lock and Dam	7	11/10/2021 10:45	919	--
	Tarheel (Grab Sample)	11/10/2021 10:50	William O Huske Lock and Dam	7	11/9/2021 18:30	--	935
	Bladen Bluff	11/10/2021 10:10	William O Huske Lock and Dam	5	11/9/2021 23:00	--	916
	Kings Bluff	11/17/2021 12:10	Cape Fear River Lock and Dam #1	--	11/17/2021 12:10	--	1,100
December 2021	Upstream River Water and Groundwater	12/14/2021 11:50	William O Huske Lock and Dam	--	12/14/2021 11:50	--	1,170
	Tarheel (Composite Sample)	12/16/2021 8:16	William O Huske Lock and Dam	7	12/15/2021 17:15	1,067	--
	Tarheel (Grab Sample)	12/15/2021 10:50	William O Huske Lock and Dam	7	12/14/2021 20:45	--	1,100
	Bladen Bluff	12/15/2021 10:15	William O Huske Lock and Dam	5	12/15/2021 0:30	--	1,080
	Kings Bluff	12/20/2021 15:35	Cape Fear River Lock and Dam #1	--	12/20/2021 15:35	--	1,340

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 - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/19/2021 0:00	937	6,308,306	1.35	0
10/19/2021 0:15	937	6,308,306	1.35	0
10/19/2021 0:30	927	6,240,981	1.34	0
10/19/2021 0:45	927	6,240,981	1.34	0
10/19/2021 1:00	927	6,240,981	1.34	0
10/19/2021 1:15	937	6,308,306	1.35	0
10/19/2021 1:30	927	6,240,981	1.34	0
10/19/2021 1:45	917	6,173,657	1.33	0
10/19/2021 2:00	937	6,308,306	1.35	0
10/19/2021 2:15	937	6,308,306	1.35	0
10/19/2021 2:30	937	6,308,306	1.35	0
10/19/2021 2:45	927	6,240,981	1.34	0
10/19/2021 3:00	927	6,240,981	1.34	0
10/19/2021 3:15	927	6,240,981	1.34	0
10/19/2021 3:30	937	6,308,306	1.35	0
10/19/2021 3:45	927	6,240,981	1.34	0
10/19/2021 4:00	927	6,240,981	1.34	0
10/19/2021 4:15	927	6,240,981	1.34	0
10/19/2021 4:30	927	6,240,981	1.34	0
10/19/2021 4:45	927	6,240,981	1.34	0
10/19/2021 5:00	917	6,173,657	1.33	0
10/19/2021 5:15	927	6,240,981	1.34	0
10/19/2021 5:30	917	6,173,657	1.33	0
10/19/2021 5:45	927	6,240,981	1.34	0
10/19/2021 6:00	917	6,173,657	1.33	0
10/19/2021 6:15	917	6,173,657	1.33	0
10/19/2021 6:30	917	6,173,657	1.33	0
10/19/2021 6:45	917	6,173,657	1.33	0
10/19/2021 7:00	917	6,173,657	1.33	0
10/19/2021 7:15	917	6,173,657	1.33	0
10/19/2021 7:30	917	6,173,657	1.33	0
10/19/2021 7:45	917	6,173,657	1.33	0
10/19/2021 8:00	917	6,173,657	1.33	0
10/19/2021 8:15	917	6,173,657	1.33	0
10/19/2021 8:30	917	6,173,657	1.33	0
10/19/2021 8:45	917	6,173,657	1.33	0
10/19/2021 9:00	917	6,173,657	1.33	0
10/19/2021 9:15	917	6,173,657	1.33	0
10/19/2021 9:30	917	6,173,657	1.33	0
10/19/2021 9:45	917	6,173,657	1.33	0
10/19/2021 10:00	917	6,173,657	1.33	0
10/19/2021 10:15	917	6,173,657	1.33	0
10/19/2021 10:30	917	6,173,657	1.33	0
10/19/2021 10:45	917	6,173,657	1.33	0
10/19/2021 11:00	917	6,173,657	1.33	0
10/19/2021 11:15	917	6,173,657	1.33	0
10/19/2021 11:30	927	6,240,981	1.34	0
10/19/2021 11:45	927	6,240,981	1.34	0
10/19/2021 12:00	927	6,240,981	1.34	0
10/19/2021 12:15	927	6,240,981	1.34	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/19/2021 12:30	927	6,240,981	1.34	0
10/19/2021 12:45	927	6,240,981	1.34	0
10/19/2021 13:00	927	6,240,981	1.34	0
10/19/2021 13:15	927	6,240,981	1.34	0
10/19/2021 13:30	927	6,240,981	1.34	0
10/19/2021 13:45	927	6,240,981	1.34	0
10/19/2021 14:00	927	6,240,981	1.34	0
10/19/2021 14:15	937	6,308,306	1.35	0
10/19/2021 14:30	937	6,308,306	1.35	0
10/19/2021 14:45	927	6,240,981	1.34	0
10/19/2021 15:00	927	6,240,981	1.34	0
10/19/2021 15:15	927	6,240,981	1.34	0
10/19/2021 15:30	927	6,240,981	1.34	0
10/19/2021 15:45	927	6,240,981	1.34	0
10/19/2021 16:00	927	6,240,981	1.34	0
10/19/2021 16:15	927	6,240,981	1.34	0
10/19/2021 16:30	927	6,240,981	1.34	0
10/19/2021 16:45	927	6,240,981	1.34	0
10/19/2021 17:00	927	6,240,981	1.34	0
10/19/2021 17:15	927	6,240,981	1.34	0
10/19/2021 17:30	927	6,240,981	1.34	0
10/19/2021 17:45	927	6,240,981	1.34	0
10/19/2021 18:00	927	6,240,981	1.34	0
10/19/2021 18:15	927	6,240,981	1.34	0
10/19/2021 18:30	927	6,240,981	1.34	0
10/19/2021 18:45	927	6,240,981	1.34	0
10/19/2021 19:00	927	6,240,981	1.34	0
10/19/2021 19:15	927	6,240,981	1.34	0
10/19/2021 19:30	927	6,240,981	1.34	0
10/19/2021 19:45	917	6,173,657	1.33	0
10/19/2021 20:00	917	6,173,657	1.33	0
10/19/2021 20:15	917	6,173,657	1.33	0
10/19/2021 20:30	917	6,173,657	1.33	0
10/19/2021 20:45	908	6,113,065	1.32	0
10/19/2021 21:00	908	6,113,065	1.32	0
10/19/2021 21:15	917	6,173,657	1.33	0
10/19/2021 21:30	908	6,113,065	1.32	0
10/19/2021 21:45	908	6,113,065	1.32	0
10/19/2021 22:00	908	6,113,065	1.32	0
10/19/2021 22:15	908	6,113,065	1.32	0
10/19/2021 22:30	908	6,113,065	1.32	0
10/19/2021 22:45	908	6,113,065	1.32	0
10/19/2021 23:00	908	6,113,065	1.32	0
10/19/2021 23:15	908	6,113,065	1.32	0
10/19/2021 23:30	908	6,113,065	1.32	0
10/19/2021 23:45	908	6,113,065	1.32	0
10/20/2021 0:00	898	6,045,740	1.31	0
10/20/2021 0:15	908	6,113,065	1.32	0
10/20/2021 0:30	908	6,113,065	1.32	0
10/20/2021 0:45	908	6,113,065	1.32	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/20/2021 1:00	908	6,113,065	1.32	0
10/20/2021 1:15	908	6,113,065	1.32	0
10/20/2021 1:30	908	6,113,065	1.32	0
10/20/2021 1:45	898	6,045,740	1.31	0
10/20/2021 2:00	898	6,045,740	1.31	0
10/20/2021 2:15	908	6,113,065	1.32	0
10/20/2021 2:30	908	6,113,065	1.32	0
10/20/2021 2:45	898	6,045,740	1.31	0
10/20/2021 3:00	898	6,045,740	1.31	0
10/20/2021 3:15	898	6,045,740	1.31	0
10/20/2021 3:30	898	6,045,740	1.31	0
10/20/2021 3:45	898	6,045,740	1.31	0
10/20/2021 4:00	898	6,045,740	1.31	0
10/20/2021 4:15	898	6,045,740	1.31	0
10/20/2021 4:30	898	6,045,740	1.31	0
10/20/2021 4:45	898	6,045,740	1.31	0
10/20/2021 5:00	898	6,045,740	1.31	0
10/20/2021 5:15	898	6,045,740	1.31	0
10/20/2021 5:30	898	6,045,740	1.31	0
10/20/2021 5:45	898	6,045,740	1.31	0
10/20/2021 6:00	898	6,045,740	1.31	0
10/20/2021 6:15	898	6,045,740	1.31	0
10/20/2021 6:30	898	6,045,740	1.31	0
10/20/2021 6:45	898	6,045,740	1.31	0
10/20/2021 7:00	898	6,045,740	1.31	0
10/20/2021 7:15	898	6,045,740	1.31	0
10/20/2021 7:30	898	6,045,740	1.31	0
10/20/2021 7:45	898	6,045,740	1.31	0
10/20/2021 8:00	898	6,045,740	1.31	0
10/20/2021 8:15	898	6,045,740	1.31	0
10/20/2021 8:30	898	6,045,740	1.31	0
10/20/2021 8:45	898	6,045,740	1.31	0
10/20/2021 9:00	898	6,045,740	1.31	0
10/20/2021 9:15	898	6,045,740	1.31	0
10/20/2021 9:30	898	6,045,740	1.31	0
10/20/2021 9:45	908	6,113,065	1.32	0
10/20/2021 10:00	898	6,045,740	1.31	0
10/20/2021 10:15	908	6,113,065	1.32	0
10/20/2021 10:30	908	6,113,065	1.32	0
10/20/2021 10:45	908	6,113,065	1.32	0
10/20/2021 11:00	908	6,113,065	1.32	0
10/20/2021 11:15	908	6,113,065	1.32	0
10/20/2021 11:30	908	6,113,065	1.32	0
10/20/2021 11:45	908	6,113,065	1.32	0
10/20/2021 12:00	908	6,113,065	1.32	0
10/20/2021 12:15	917	6,173,657	1.33	0
10/20/2021 12:30	917	6,173,657	1.33	0
10/20/2021 12:45	917	6,173,657	1.33	0
10/20/2021 13:00	917	6,173,657	1.33	0
10/20/2021 13:15	917	6,173,657	1.33	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/20/2021 13:30	917	6,173,657	1.33	0
10/20/2021 13:45	927	6,240,981	1.34	0
10/20/2021 14:00	927	6,240,981	1.34	0
10/20/2021 14:15	927	6,240,981	1.34	0
10/20/2021 14:30	927	6,240,981	1.34	0
10/20/2021 14:45	917	6,173,657	1.33	0
10/20/2021 15:00	927	6,240,981	1.34	0
10/20/2021 15:15	927	6,240,981	1.34	0
10/20/2021 15:30	927	6,240,981	1.34	0
10/20/2021 15:45	917	6,173,657	1.33	0
10/20/2021 16:00	917	6,173,657	1.33	0
10/20/2021 16:15	927	6,240,981	1.34	0
10/20/2021 16:30	917	6,173,657	1.33	0
10/20/2021 16:45	917	6,173,657	1.33	0
10/20/2021 17:00	917	6,173,657	1.33	0
10/20/2021 17:15	917	6,173,657	1.33	0
10/20/2021 17:30	917	6,173,657	1.33	0
10/20/2021 17:45	917	6,173,657	1.33	0
10/20/2021 18:00	917	6,173,657	1.33	0
10/20/2021 18:15	917	6,173,657	1.33	0
10/20/2021 18:30	917	6,173,657	1.33	0
10/20/2021 18:45	917	6,173,657	1.33	0
10/20/2021 19:00	917	6,173,657	1.33	0
10/20/2021 19:15	908	6,113,065	1.32	0
10/20/2021 19:30	917	6,173,657	1.33	0
10/20/2021 19:45	917	6,173,657	1.33	0
10/20/2021 20:00	917	6,173,657	1.33	0
10/20/2021 20:15	917	6,173,657	1.33	0
10/20/2021 20:30	917	6,173,657	1.33	0
10/20/2021 20:45	908	6,113,065	1.32	0
10/20/2021 21:00	908	6,113,065	1.32	0
10/20/2021 21:15	908	6,113,065	1.32	0
10/20/2021 21:30	898	6,045,740	1.31	0
10/20/2021 21:45	898	6,045,740	1.31	0
10/20/2021 22:00	898	6,045,740	1.31	0
10/20/2021 22:15	898	6,045,740	1.31	0
10/20/2021 22:30	898	6,045,740	1.31	0
10/20/2021 22:45	898	6,045,740	1.31	0
10/20/2021 23:00	898	6,045,740	1.31	0
10/20/2021 23:15	898	6,045,740	1.31	0
10/20/2021 23:30	898	6,045,740	1.31	0
10/20/2021 23:45	898	6,045,740	1.31	0
10/21/2021 0:00	889	5,985,148	1.30	0
10/21/2021 0:15	898	6,045,740	1.31	0
10/21/2021 0:30	898	6,045,740	1.31	0
10/21/2021 0:45	889	5,985,148	1.30	0
10/21/2021 1:00	898	6,045,740	1.31	0
10/21/2021 1:15	889	5,985,148	1.30	0
10/21/2021 1:30	889	5,985,148	1.30	0
10/21/2021 1:45	889	5,985,148	1.30	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/21/2021 2:00	889	5,985,148	1.30	0
10/21/2021 2:15	889	5,985,148	1.30	0
10/21/2021 2:30	898	6,045,740	1.31	0
10/21/2021 2:45	889	5,985,148	1.30	0
10/21/2021 3:00	889	5,985,148	1.30	0
10/21/2021 3:15	889	5,985,148	1.30	0
10/21/2021 3:30	889	5,985,148	1.30	0
10/21/2021 3:45	889	5,985,148	1.30	0
10/21/2021 4:00	889	5,985,148	1.30	0
10/21/2021 4:15	889	5,985,148	1.30	0
10/21/2021 4:30	889	5,985,148	1.30	0
10/21/2021 4:45	889	5,985,148	1.30	0
10/21/2021 5:00	889	5,985,148	1.30	0
10/21/2021 5:15	889	5,985,148	1.30	0
10/21/2021 5:30	879	5,917,824	1.29	0
10/21/2021 5:45	879	5,917,824	1.29	0
10/21/2021 6:00	879	5,917,824	1.29	0
10/21/2021 6:15	879	5,917,824	1.29	0
10/21/2021 6:30	889	5,985,148	1.30	0
10/21/2021 6:45	879	5,917,824	1.29	0
10/21/2021 7:00	879	5,917,824	1.29	0
10/21/2021 7:15	879	5,917,824	1.29	0
10/21/2021 7:30	879	5,917,824	1.29	0
10/21/2021 7:45	879	5,917,824	1.29	0
10/21/2021 8:00	879	5,917,824	1.29	0
10/21/2021 8:15	879	5,917,824	1.29	0
10/21/2021 8:30	879	5,917,824	1.29	0
10/21/2021 8:45	870	5,857,231	1.28	0
10/21/2021 9:00	870	5,857,231	1.28	0
10/21/2021 9:15	870	5,857,232	1.28	0
10/21/2021 9:30	870	5,857,231	1.28	0
10/21/2021 9:45	870	5,857,231	1.28	0
10/21/2021 10:00	870	5,857,232	1.28	0
10/21/2021 10:15	870	5,857,231	1.28	0
10/21/2021 10:30	870	5,857,231	1.28	0
10/21/2021 10:45	870	5,857,232	1.28	0
10/21/2021 11:00	861	5,796,639	1.27	0
10/21/2021 11:15	861	5,796,639	1.27	0
10/21/2021 11:30	861	5,796,639	1.27	0
10/21/2021 11:45	861	5,796,639	1.27	0
10/21/2021 12:00	861	5,796,639	1.27	0
10/21/2021 12:15	861	5,796,639	1.27	0
10/21/2021 12:30	870	5,857,231	1.28	0
10/21/2021 12:45	861	5,796,639	1.27	0
10/21/2021 13:00	870	5,857,232	1.28	0
10/21/2021 13:15	851	5,729,315	1.26	0
10/21/2021 13:30	851	5,729,315	1.26	0
10/21/2021 13:45	861	5,796,639	1.27	0
10/21/2021 14:00	842	5,668,723	1.25	0
10/21/2021 14:15	851	5,729,315	1.26	0

TABLE B9-2
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
10/21/2021 14:30	842	5,668,723	1.25	0
10/21/2021 14:45	851	5,729,315	1.26	0
10/21/2021 15:00	842	5,668,723	1.25	0
10/21/2021 15:15	842	5,668,723	1.25	0
10/21/2021 15:30	851	5,729,315	1.26	0
10/21/2021 15:45	842	5,668,723	1.25	0
10/21/2021 16:00	842	5,668,723	1.25	0
10/21/2021 16:15	851	5,729,315	1.26	0
10/21/2021 16:30	851	5,729,315	1.26	0
10/21/2021 16:45	851	5,729,315	1.26	0
10/21/2021 17:00	861	5,796,639	1.27	0
10/21/2021 17:15	851	5,729,315	1.26	0
10/21/2021 17:30	851	5,729,315	1.26	0
10/21/2021 17:45	861	5,796,639	1.27	0
10/21/2021 18:00	861	5,796,639	1.27	0
10/21/2021 18:15	861	5,796,639	1.27	0
10/21/2021 18:30	870	5,857,231	1.28	0
10/21/2021 18:45	870	5,857,231	1.28	0
10/21/2021 19:00	870	5,857,232	1.28	0
10/21/2021 19:15	870	5,857,231	1.28	0
10/21/2021 19:30	870	5,857,231	1.28	0
10/21/2021 19:45	870	5,857,232	1.28	0
10/21/2021 20:00	870	5,857,231	1.28	0
10/21/2021 20:15	870	5,857,231	1.28	0
10/21/2021 20:30	879	5,917,824	1.29	0
10/21/2021 20:45	870	5,857,231	1.28	0
10/21/2021 21:00	870	5,857,231	1.28	0
10/21/2021 21:15	870	5,857,232	1.28	0
10/21/2021 21:30	870	5,857,231	1.28	0
10/21/2021 21:45	870	5,857,231	1.28	0
10/21/2021 22:00	860	5,789,907	1.27	0
10/21/2021 22:15	870	5,857,231	1.28	0
10/21/2021 22:30	860	5,789,907	1.27	0
10/21/2021 22:45	870	5,857,232	1.28	0
10/21/2021 23:00	860	5,789,907	1.27	0
10/21/2021 23:15	860	5,789,907	1.27	0
10/21/2021 23:30	860	5,789,907	1.27	0
10/21/2021 23:45	860	5,789,907	1.27	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 B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/9/2021 0:00	935	6,294,841	1.35	0
11/9/2021 0:15	935	6,294,841	1.35	0
11/9/2021 0:30	935	6,294,841	1.35	0
11/9/2021 0:45	935	6,294,841	1.35	0
11/9/2021 1:00	935	6,294,841	1.35	0
11/9/2021 1:15	935	6,294,841	1.35	0
11/9/2021 1:30	935	6,294,841	1.35	0
11/9/2021 1:45	935	6,294,841	1.35	0
11/9/2021 2:00	935	6,294,841	1.35	0
11/9/2021 2:15	935	6,294,841	1.35	0
11/9/2021 2:30	935	6,294,841	1.35	0
11/9/2021 2:45	935	6,294,841	1.35	0
11/9/2021 3:00	945	6,362,165	1.36	0
11/9/2021 3:15	935	6,294,841	1.35	0
11/9/2021 3:30	935	6,294,841	1.35	0
11/9/2021 3:45	935	6,294,841	1.35	0
11/9/2021 4:00	935	6,294,841	1.35	0
11/9/2021 4:15	935	6,294,841	1.35	0
11/9/2021 4:30	935	6,294,841	1.35	0
11/9/2021 4:45	935	6,294,841	1.35	0
11/9/2021 5:00	925	6,227,516	1.34	0
11/9/2021 5:15	935	6,294,841	1.35	0
11/9/2021 5:30	935	6,294,841	1.35	0
11/9/2021 5:45	925	6,227,516	1.34	0
11/9/2021 6:00	925	6,227,516	1.34	0
11/9/2021 6:15	925	6,227,516	1.34	0
11/9/2021 6:30	925	6,227,516	1.34	0
11/9/2021 6:45	925	6,227,516	1.34	0
11/9/2021 7:00	925	6,227,516	1.34	0
11/9/2021 7:15	925	6,227,516	1.34	0
11/9/2021 7:30	925	6,227,516	1.34	0
11/9/2021 7:45	925	6,227,516	1.34	0
11/9/2021 8:00	925	6,227,516	1.34	0
11/9/2021 8:15	925	6,227,516	1.34	0
11/9/2021 8:30	935	6,294,841	1.35	0
11/9/2021 8:45	925	6,227,516	1.34	0
11/9/2021 9:00	925	6,227,516	1.34	0
11/9/2021 9:15	925	6,227,516	1.34	0
11/9/2021 9:30	935	6,294,841	1.35	0
11/9/2021 9:45	935	6,294,841	1.35	0
11/9/2021 10:00	925	6,227,516	1.34	0
11/9/2021 10:15	935	6,294,841	1.35	0
11/9/2021 10:30	925	6,227,516	1.34	0
11/9/2021 10:45	935	6,294,841	1.35	0
11/9/2021 11:00	925	6,227,516	1.34	0
11/9/2021 11:15	935	6,294,841	1.35	0
11/9/2021 11:30	925	6,227,516	1.34	0
11/9/2021 11:45	935	6,294,841	1.35	0
11/9/2021 12:00	925	6,227,516	1.34	0
11/9/2021 12:15	935	6,294,841	1.35	0
11/9/2021 12:30	935	6,294,841	1.35	0
11/9/2021 12:45	935	6,294,841	1.35	0

TABLE B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/9/2021 13:00	935	6,294,841	1.35	0
11/9/2021 13:15	935	6,294,841	1.35	0
11/9/2021 13:30	935	6,294,841	1.35	0
11/9/2021 13:45	935	6,294,841	1.35	0
11/9/2021 14:00	935	6,294,841	1.35	0
11/9/2021 14:15	935	6,294,841	1.35	0
11/9/2021 14:30	935	6,294,841	1.35	0
11/9/2021 14:45	935	6,294,841	1.35	0
11/9/2021 15:00	935	6,294,841	1.35	0
11/9/2021 15:15	935	6,294,841	1.35	0
11/9/2021 15:30	935	6,294,841	1.35	0
11/9/2021 15:45	935	6,294,841	1.35	0
11/9/2021 16:00	935	6,294,841	1.35	0
11/9/2021 16:15	935	6,294,841	1.35	0
11/9/2021 16:30	935	6,294,841	1.35	0
11/9/2021 16:45	935	6,294,841	1.35	0
11/9/2021 17:00	925	6,227,516	1.34	0
11/9/2021 17:15	935	6,294,841	1.35	0
11/9/2021 17:30	925	6,227,516	1.34	0
11/9/2021 17:45	925	6,227,516	1.34	0
11/9/2021 18:00	925	6,227,516	1.34	0
11/9/2021 18:15	925	6,227,516	1.34	0
11/9/2021 18:30	935	6,294,841	1.35	0
11/9/2021 18:45	935	6,294,841	1.35	0
11/9/2021 19:00	925	6,227,516	1.34	0
11/9/2021 19:15	925	6,227,516	1.34	0
11/9/2021 19:30	925	6,227,516	1.34	0
11/9/2021 19:45	925	6,227,516	1.34	0
11/9/2021 20:00	925	6,227,516	1.34	0
11/9/2021 20:15	925	6,227,516	1.34	0
11/9/2021 20:30	925	6,227,516	1.34	0
11/9/2021 20:45	916	6,166,924	1.33	0
11/9/2021 21:00	925	6,227,516	1.34	0
11/9/2021 21:15	925	6,227,516	1.34	0
11/9/2021 21:30	916	6,166,924	1.33	0
11/9/2021 21:45	916	6,166,924	1.33	0
11/9/2021 22:00	916	6,166,924	1.33	0
11/9/2021 22:15	916	6,166,924	1.33	0
11/9/2021 22:30	916	6,166,924	1.33	0
11/9/2021 22:45	916	6,166,924	1.33	0
11/9/2021 23:00	916	6,166,924	1.33	0
11/9/2021 23:15	916	6,166,924	1.33	0
11/9/2021 23:30	916	6,166,924	1.33	0
11/9/2021 23:45	916	6,166,924	1.33	0
11/10/2021 0:00	916	6,166,924	1.33	0
11/10/2021 0:15	916	6,166,924	1.33	0
11/10/2021 0:30	916	6,166,924	1.33	0
11/10/2021 0:45	916	6,166,924	1.33	0
11/10/2021 1:00	916	6,166,924	1.33	0
11/10/2021 1:15	916	6,166,924	1.33	0
11/10/2021 1:30	916	6,166,924	1.33	0
11/10/2021 1:45	906	6,099,600	1.32	0

TABLE B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/10/2021 2:00	916	6,166,924	1.33	0
11/10/2021 2:15	916	6,166,924	1.33	0
11/10/2021 2:30	916	6,166,924	1.33	0
11/10/2021 2:45	916	6,166,924	1.33	0
11/10/2021 3:00	916	6,166,924	1.33	0
11/10/2021 3:15	916	6,166,924	1.33	0
11/10/2021 3:30	916	6,166,924	1.33	0
11/10/2021 3:45	916	6,166,924	1.33	0
11/10/2021 4:00	916	6,166,924	1.33	0
11/10/2021 4:15	916	6,166,924	1.33	0
11/10/2021 4:30	916	6,166,924	1.33	0
11/10/2021 4:45	906	6,099,600	1.32	0
11/10/2021 5:00	916	6,166,924	1.33	0
11/10/2021 5:15	916	6,166,924	1.33	0
11/10/2021 5:30	916	6,166,924	1.33	0
11/10/2021 5:45	916	6,166,924	1.33	0
11/10/2021 6:00	906	6,099,600	1.32	0
11/10/2021 6:15	906	6,099,600	1.32	0
11/10/2021 6:30	906	6,099,600	1.32	0
11/10/2021 6:45	906	6,099,600	1.32	0
11/10/2021 7:00	897	6,039,008	1.31	0
11/10/2021 7:15	906	6,099,600	1.32	0
11/10/2021 7:30	897	6,039,008	1.31	0
11/10/2021 7:45	897	6,039,008	1.31	0
11/10/2021 8:00	906	6,099,600	1.32	0
11/10/2021 8:15	897	6,039,008	1.31	0
11/10/2021 8:30	897	6,039,008	1.31	0
11/10/2021 8:45	916	6,166,924	1.33	0
11/10/2021 9:00	916	6,166,924	1.33	0
11/10/2021 9:15	906	6,099,600	1.32	0
11/10/2021 9:30	906	6,099,600	1.32	0
11/10/2021 9:45	906	6,099,600	1.32	0
11/10/2021 10:00	897	6,039,008	1.31	0
11/10/2021 10:15	916	6,166,924	1.33	0
11/10/2021 10:30	906	6,099,600	1.32	0
11/10/2021 10:45	906	6,099,600	1.32	0
11/10/2021 11:00	916	6,166,924	1.33	0
11/10/2021 11:15	906	6,099,600	1.32	0
11/10/2021 11:30	906	6,099,600	1.32	0
11/10/2021 11:45	906	6,099,600	1.32	0
11/10/2021 12:00	897	6,039,008	1.31	0
11/10/2021 12:15	897	6,039,008	1.31	0
11/10/2021 12:30	897	6,039,008	1.31	0
11/10/2021 12:45	906	6,099,600	1.32	0
11/10/2021 13:00	897	6,039,008	1.31	0
11/10/2021 13:15	906	6,099,600	1.32	0
11/10/2021 13:30	906	6,099,600	1.32	0
11/10/2021 13:45	906	6,099,600	1.32	0
11/10/2021 14:00	906	6,099,600	1.32	0
11/10/2021 14:15	906	6,099,600	1.32	0
11/10/2021 14:30	906	6,099,600	1.32	0
11/10/2021 14:45	916	6,166,924	1.33	0

TABLE B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/10/2021 15:00	916	6,166,924	1.33	0
11/10/2021 15:15	916	6,166,924	1.33	0
11/10/2021 15:30	916	6,166,924	1.33	0
11/10/2021 15:45	916	6,166,924	1.33	0
11/10/2021 16:00	916	6,166,924	1.33	0
11/10/2021 16:15	916	6,166,924	1.33	0
11/10/2021 16:30	916	6,166,924	1.33	0
11/10/2021 16:45	916	6,166,924	1.33	0
11/10/2021 17:00	906	6,099,600	1.32	0
11/10/2021 17:15	916	6,166,924	1.33	0
11/10/2021 17:30	916	6,166,924	1.33	0
11/10/2021 17:45	916	6,166,924	1.33	0
11/10/2021 18:00	906	6,099,600	1.32	0
11/10/2021 18:15	906	6,099,600	1.32	0
11/10/2021 18:30	906	6,099,600	1.32	0
11/10/2021 18:45	906	6,099,600	1.32	0
11/10/2021 19:00	906	6,099,600	1.32	0
11/10/2021 19:15	906	6,099,600	1.32	0
11/10/2021 19:30	906	6,099,600	1.32	0
11/10/2021 19:45	906	6,099,600	1.32	0
11/10/2021 20:00	906	6,099,600	1.32	0
11/10/2021 20:15	906	6,099,600	1.32	0
11/10/2021 20:30	906	6,099,600	1.32	0
11/10/2021 20:45	906	6,099,600	1.32	0
11/10/2021 21:00	906	6,099,600	1.32	0
11/10/2021 21:15	906	6,099,600	1.32	0
11/10/2021 21:30	906	6,099,600	1.32	0
11/10/2021 21:45	906	6,099,600	1.32	0
11/10/2021 22:00	906	6,099,600	1.32	0
11/10/2021 22:15	906	6,099,600	1.32	0
11/10/2021 22:30	906	6,099,600	1.32	0
11/10/2021 22:45	906	6,099,600	1.32	0
11/10/2021 23:00	906	6,099,600	1.32	0
11/10/2021 23:15	916	6,166,924	1.33	0
11/10/2021 23:30	906	6,099,600	1.32	0
11/10/2021 23:45	906	6,099,600	1.32	0
11/11/2021 0:00	906	6,099,600	1.32	0
11/11/2021 0:15	906	6,099,600	1.32	0
11/11/2021 0:30	916	6,166,924	1.33	0
11/11/2021 0:45	916	6,166,924	1.33	0
11/11/2021 1:00	916	6,166,924	1.33	0
11/11/2021 1:15	916	6,166,924	1.33	0
11/11/2021 1:30	916	6,166,924	1.33	0
11/11/2021 1:45	916	6,166,924	1.33	0
11/11/2021 2:00	916	6,166,924	1.33	0
11/11/2021 2:15	916	6,166,924	1.33	0
11/11/2021 2:30	925	6,227,516	1.34	0
11/11/2021 2:45	925	6,227,516	1.34	0
11/11/2021 3:00	925	6,227,516	1.34	0
11/11/2021 3:15	925	6,227,516	1.34	0
11/11/2021 3:30	925	6,227,516	1.34	0
11/11/2021 3:45	925	6,227,516	1.34	0

TABLE B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/11/2021 4:00	935	6,294,841	1.35	0
11/11/2021 4:15	925	6,227,516	1.34	0
11/11/2021 4:30	935	6,294,841	1.35	0
11/11/2021 4:45	935	6,294,841	1.35	0
11/11/2021 5:00	935	6,294,841	1.35	0
11/11/2021 5:15	935	6,294,841	1.35	0
11/11/2021 5:30	935	6,294,841	1.35	0
11/11/2021 5:45	945	6,362,165	1.36	0
11/11/2021 6:00	945	6,362,165	1.36	0
11/11/2021 6:15	945	6,362,165	1.36	0
11/11/2021 6:30	945	6,362,165	1.36	0
11/11/2021 6:45	954	6,422,757	1.37	0
11/11/2021 7:00	954	6,422,757	1.37	0
11/11/2021 7:15	954	6,422,757	1.37	0
11/11/2021 7:30	954	6,422,757	1.37	0
11/11/2021 7:45	945	6,362,165	1.36	0
11/11/2021 8:00	954	6,422,757	1.37	0
11/11/2021 8:15	954	6,422,757	1.37	0
11/11/2021 8:30	954	6,422,757	1.37	0
11/11/2021 8:45	964	6,490,082	1.38	0
11/11/2021 9:00	964	6,490,082	1.38	0
11/11/2021 9:15	964	6,490,082	1.38	0
11/11/2021 9:30	964	6,490,082	1.38	0
11/11/2021 9:45	974	6,557,406	1.39	0
11/11/2021 10:00	974	6,557,406	1.39	0
11/11/2021 10:15	974	6,557,406	1.39	0
11/11/2021 10:30	984	6,624,731	1.40	0
11/11/2021 10:45	974	6,557,406	1.39	0
11/11/2021 11:00	984	6,624,731	1.40	0
11/11/2021 11:15	984	6,624,731	1.40	0
11/11/2021 11:30	984	6,624,731	1.40	0
11/11/2021 11:45	984	6,624,731	1.40	0
11/11/2021 12:00	984	6,624,731	1.40	0
11/11/2021 12:15	994	6,692,055	1.41	0
11/11/2021 12:30	1,000	6,732,450	1.42	0
11/11/2021 12:45	1,000	6,732,450	1.42	0
11/11/2021 13:00	1,000	6,732,450	1.42	0
11/11/2021 13:15	1,010	6,799,774	1.43	0
11/11/2021 13:30	1,010	6,799,774	1.43	0
11/11/2021 13:45	1,010	6,799,775	1.43	0
11/11/2021 14:00	1,000	6,732,450	1.42	0
11/11/2021 14:15	1,000	6,732,450	1.42	0
11/11/2021 14:30	1,000	6,732,450	1.42	0
11/11/2021 14:45	1,000	6,732,450	1.42	0
11/11/2021 15:00	1,000	6,732,450	1.42	0
11/11/2021 15:15	1,010	6,799,775	1.43	0
11/11/2021 15:30	1,010	6,799,774	1.43	0
11/11/2021 15:45	1,010	6,799,774	1.43	0
11/11/2021 16:00	1,010	6,799,775	1.43	0
11/11/2021 16:15	1,020	6,867,099	1.44	0
11/11/2021 16:30	1,020	6,867,099	1.44	0
11/11/2021 16:45	1,020	6,867,099	1.44	0

TABLE B9-3
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/11/2021 17:00	1,020	6,867,099	1.44	0
11/11/2021 17:15	1,030	6,934,423	1.45	0
11/11/2021 17:30	1,030	6,934,424	1.45	0
11/11/2021 17:45	1,030	6,934,423	1.45	0
11/11/2021 18:00	1,030	6,934,423	1.45	0
11/11/2021 18:15	1,030	6,934,424	1.45	0
11/11/2021 18:30	1,030	6,934,423	1.45	0
11/11/2021 18:45	1,030	6,934,423	1.45	0
11/11/2021 19:00	1,010	6,799,775	1.43	0
11/11/2021 19:15	1,010	6,799,774	1.43	0.02
11/11/2021 19:30	1,010	6,799,774	1.43	0
11/11/2021 19:45	1,010	6,799,775	1.43	0
11/11/2021 20:00	1,020	6,867,099	1.44	0.01
11/11/2021 20:15	1,010	6,799,774	1.43	0
11/11/2021 20:30	1,000	6,732,450	1.42	0
11/11/2021 20:45	1,030	6,934,423	1.45	0.01
11/11/2021 21:00	1,010	6,799,774	1.43	0
11/11/2021 21:15	1,020	6,867,099	1.44	0
11/11/2021 21:30	1,020	6,867,099	1.44	0
11/11/2021 21:45	1,010	6,799,774	1.43	0
11/11/2021 22:00	1,030	6,934,424	1.45	0
11/11/2021 22:15	1,030	6,934,423	1.45	0
11/11/2021 22:30	1,030	6,934,423	1.45	0
11/11/2021 22:45	1,030	6,934,424	1.45	0
11/11/2021 23:00	1,030	6,934,423	1.45	0
11/11/2021 23:15	1,050	7,069,072	1.46	0
11/11/2021 23:30	1,030	6,934,424	1.45	0
11/11/2021 23:45	1,030	6,934,424	1.45	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.

-- - not reported at USGS gauging station #02105500.

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

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/14/2021 0:00	1,230	8,280,913	1.63	0
12/14/2021 0:15	1,230	8,280,914	1.63	0
12/14/2021 0:30	1,230	8,280,913	1.63	0
12/14/2021 0:45	1,230	8,280,913	1.63	0
12/14/2021 1:00	1,230	8,280,914	1.63	0
12/14/2021 1:15	1,230	8,280,913	1.63	0
12/14/2021 1:30	1,230	8,280,913	1.63	0
12/14/2021 1:45	1,220	8,213,589	1.62	0
12/14/2021 2:00	1,220	8,213,589	1.62	0
12/14/2021 2:15	1,220	8,213,589	1.62	0
12/14/2021 2:30	1,220	8,213,589	1.62	0
12/14/2021 2:45	1,220	8,213,589	1.62	0
12/14/2021 3:00	1,220	8,213,589	1.62	0
12/14/2021 3:15	1,210	8,146,265	1.61	0
12/14/2021 3:30	1,210	8,146,264	1.61	0
12/14/2021 3:45	1,210	8,146,264	1.61	0
12/14/2021 4:00	1,210	8,146,265	1.61	0
12/14/2021 4:15	1,210	8,146,264	1.61	0
12/14/2021 4:30	1,210	8,146,264	1.61	0
12/14/2021 4:45	1,210	8,146,265	1.61	0
12/14/2021 5:00	1,210	8,146,264	1.61	0
12/14/2021 5:15	1,210	8,146,264	1.61	0
12/14/2021 5:30	1,210	8,146,265	1.61	0
12/14/2021 5:45	1,210	8,146,264	1.61	0
12/14/2021 6:00	1,200	8,078,940	1.60	0
12/14/2021 6:15	1,200	8,078,940	1.60	0
12/14/2021 6:30	1,200	8,078,940	1.60	0
12/14/2021 6:45	1,200	8,078,940	1.60	0
12/14/2021 7:00	1,200	8,078,940	1.60	0
12/14/2021 7:15	1,180	7,944,291	1.59	0
12/14/2021 7:30	1,180	7,944,291	1.59	0
12/14/2021 7:45	1,180	7,944,291	1.59	0
12/14/2021 8:00	1,180	7,944,291	1.59	0
12/14/2021 8:15	1,180	7,944,291	1.59	0
12/14/2021 8:30	1,180	7,944,291	1.59	0
12/14/2021 8:45	1,180	7,944,291	1.59	0
12/14/2021 9:00	1,170	7,876,966	1.58	0
12/14/2021 9:15	1,180	7,944,291	1.59	0
12/14/2021 9:30	1,170	7,876,966	1.58	0
12/14/2021 9:45	1,170	7,876,966	1.58	0
12/14/2021 10:00	1,170	7,876,967	1.58	0
12/14/2021 10:15	1,160	7,809,642	1.57	0
12/14/2021 10:30	1,170	7,876,966	1.58	0
12/14/2021 10:45	1,170	7,876,967	1.58	0
12/14/2021 11:00	1,170	7,876,966	1.58	0
12/14/2021 11:15	1,170	7,876,966	1.58	0
12/14/2021 11:30	1,180	7,944,291	1.59	0
12/14/2021 11:45	1,170	7,876,966	1.58	0
12/14/2021 12:00	1,170	7,876,966	1.58	0
12/14/2021 12:15	1,170	7,876,967	1.58	0
12/14/2021 12:30	1,170	7,876,966	1.58	0

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/14/2021 12:45	1,170	7,876,966	1.58	0
12/14/2021 13:00	1,170	7,876,967	1.58	0
12/14/2021 13:15	1,170	7,876,966	1.58	0
12/14/2021 13:30	1,170	7,876,966	1.58	0
12/14/2021 13:45	1,170	7,876,967	1.58	0
12/14/2021 14:00	1,160	7,809,642	1.57	0
12/14/2021 14:15	1,160	7,809,642	1.57	0
12/14/2021 14:30	1,160	7,809,642	1.57	0
12/14/2021 14:45	1,160	7,809,642	1.57	0
12/14/2021 15:00	1,160	7,809,642	1.57	0
12/14/2021 15:15	1,160	7,809,642	1.57	0
12/14/2021 15:30	1,150	7,742,317	1.56	0
12/14/2021 15:45	1,150	7,742,317	1.56	0
12/14/2021 16:00	1,150	7,742,318	1.56	0
12/14/2021 16:15	1,140	7,674,993	1.55	0
12/14/2021 16:30	1,130	7,607,668	1.54	0
12/14/2021 16:45	1,130	7,607,669	1.54	0
12/14/2021 17:00	1,130	7,607,668	1.54	0
12/14/2021 17:15	1,130	7,607,668	1.54	0
12/14/2021 17:30	1,120	7,540,344	1.53	0
12/14/2021 17:45	1,130	7,607,668	1.54	0
12/14/2021 18:00	1,120	7,540,344	1.53	0
12/14/2021 18:15	1,120	7,540,344	1.53	0
12/14/2021 18:30	1,120	7,540,344	1.53	0
12/14/2021 18:45	1,120	7,540,344	1.53	0
12/14/2021 19:00	1,120	7,540,344	1.53	0
12/14/2021 19:15	1,120	7,540,344	1.53	0
12/14/2021 19:30	1,120	7,540,344	1.53	0
12/14/2021 19:45	1,100	7,405,695	1.51	0
12/14/2021 20:00	1,100	7,405,695	1.51	0
12/14/2021 20:15	1,100	7,405,695	1.51	0
12/14/2021 20:30	1,100	7,405,695	1.51	0
12/14/2021 20:45	1,100	7,405,695	1.51	0
12/14/2021 21:00	1,090	7,338,370	1.50	0
12/14/2021 21:15	1,090	7,338,371	1.50	0
12/14/2021 21:30	1,090	7,338,370	1.50	0
12/14/2021 21:45	1,090	7,338,370	1.50	0
12/14/2021 22:00	1,090	7,338,371	1.50	0
12/14/2021 22:15	1,080	7,271,046	1.49	0
12/14/2021 22:30	1,080	7,271,046	1.49	0
12/14/2021 22:45	1,080	7,271,046	1.49	0
12/14/2021 23:00	1,080	7,271,046	1.49	0
12/14/2021 23:15	1,080	7,271,046	1.49	0
12/14/2021 23:30	1,080	7,271,046	1.49	0
12/14/2021 23:45	1,080	7,271,046	1.49	0
12/15/2021 0:00	1,080	7,271,046	1.49	0
12/15/2021 0:15	1,080	7,271,046	1.49	0
12/15/2021 0:30	1,080	7,271,046	1.49	0
12/15/2021 0:45	1,070	7,203,721	1.48	0
12/15/2021 1:00	1,070	7,203,722	1.48	0
12/15/2021 1:15	1,070	7,203,721	1.48	0

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/15/2021 1:30	1,070	7,203,721	1.48	0
12/15/2021 1:45	1,070	7,203,722	1.48	0
12/15/2021 2:00	1,070	7,203,721	1.48	0
12/15/2021 2:15	1,080	7,271,046	1.49	0
12/15/2021 2:30	1,080	7,271,046	1.49	0
12/15/2021 2:45	1,080	7,271,046	1.49	0
12/15/2021 3:00	1,080	7,271,046	1.49	0
12/15/2021 3:15	1,080	7,271,046	1.49	0
12/15/2021 3:30	1,070	7,203,721	1.48	0
12/15/2021 3:45	1,080	7,271,046	1.49	0
12/15/2021 4:00	1,080	7,271,046	1.49	0
12/15/2021 4:15	1,070	7,203,721	1.48	0
12/15/2021 4:30	1,070	7,203,721	1.48	0
12/15/2021 4:45	1,070	7,203,722	1.48	0
12/15/2021 5:00	1,070	7,203,721	1.48	0
12/15/2021 5:15	1,070	7,203,721	1.48	0
12/15/2021 5:30	1,070	7,203,722	1.48	0
12/15/2021 5:45	1,070	7,203,721	1.48	0
12/15/2021 6:00	1,060	7,136,397	1.47	0
12/15/2021 6:15	1,070	7,203,722	1.48	0
12/15/2021 6:30	1,060	7,136,397	1.47	0
12/15/2021 6:45	1,060	7,136,397	1.47	0
12/15/2021 7:00	1,060	7,136,397	1.47	0
12/15/2021 7:15	1,060	7,136,397	1.47	0
12/15/2021 7:30	1,060	7,136,397	1.47	0
12/15/2021 7:45	1,060	7,136,397	1.47	0
12/15/2021 8:00	1,060	7,136,397	1.47	0
12/15/2021 8:15	1,040	7,001,748	1.46	0
12/15/2021 8:30	1,040	7,001,748	1.46	0
12/15/2021 8:45	1,060	7,136,397	1.47	0
12/15/2021 9:00	1,070	7,203,721	1.48	0
12/15/2021 9:15	1,070	7,203,722	1.48	0
12/15/2021 9:30	1,060	7,136,397	1.47	0
12/15/2021 9:45	1,070	7,203,721	1.48	0
12/15/2021 10:00	1,070	7,203,722	1.48	0
12/15/2021 10:15	1,070	7,203,721	1.48	0
12/15/2021 10:30	1,080	7,271,046	1.49	0
12/15/2021 10:45	1,070	7,203,722	1.48	0
12/15/2021 11:00	1,070	7,203,721	1.48	0
12/15/2021 11:15	1,070	7,203,721	1.48	0
12/15/2021 11:30	1,070	7,203,722	1.48	0
12/15/2021 11:45	1,070	7,203,721	1.48	0
12/15/2021 12:00	1,070	7,203,721	1.48	0
12/15/2021 12:15	1,060	7,136,397	1.47	0
12/15/2021 12:30	1,060	7,136,397	1.47	0
12/15/2021 12:45	1,040	7,001,748	1.46	0
12/15/2021 13:00	1,060	7,136,397	1.47	0
12/15/2021 13:15	1,040	7,001,748	1.46	0
12/15/2021 13:30	1,040	7,001,748	1.46	0
12/15/2021 13:45	1,040	7,001,748	1.46	0
12/15/2021 14:00	1,040	7,001,748	1.46	0

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/15/2021 14:15	1,040	7,001,748	1.46	0
12/15/2021 14:30	1,040	7,001,748	1.46	0
12/15/2021 14:45	1,040	7,001,748	1.46	0
12/15/2021 15:00	1,040	7,001,748	1.46	0
12/15/2021 15:15	1,040	7,001,748	1.46	0
12/15/2021 15:30	1,040	7,001,748	1.46	0
12/15/2021 15:45	1,030	6,934,423	1.45	0
12/15/2021 16:00	1,030	6,934,424	1.45	0
12/15/2021 16:15	1,030	6,934,423	1.45	0
12/15/2021 16:30	1,030	6,934,423	1.45	0
12/15/2021 16:45	1,020	6,867,099	1.44	0
12/15/2021 17:00	1,030	6,934,423	1.45	0
12/15/2021 17:15	1,030	6,934,423	1.45	0
12/15/2021 17:30	1,030	6,934,424	1.45	0
12/15/2021 17:45	1,020	6,867,099	1.44	0
12/15/2021 18:00	1,020	6,867,099	1.44	0
12/15/2021 18:15	1,020	6,867,099	1.44	0
12/15/2021 18:30	1,020	6,867,099	1.44	0
12/15/2021 18:45	1,020	6,867,099	1.44	0
12/15/2021 19:00	1,020	6,867,099	1.44	0
12/15/2021 19:15	1,020	6,867,099	1.44	0
12/15/2021 19:30	1,020	6,867,099	1.44	0
12/15/2021 19:45	1,020	6,867,099	1.44	0
12/15/2021 20:00	1,020	6,867,099	1.44	0
12/15/2021 20:15	1,020	6,867,099	1.44	0
12/15/2021 20:30	1,020	6,867,099	1.44	0
12/15/2021 20:45	1,020	6,867,099	1.44	0
12/15/2021 21:00	1,020	6,867,099	1.44	0
12/15/2021 21:15	1,020	6,867,099	1.44	0
12/15/2021 21:30	1,020	6,867,099	1.44	0
12/15/2021 21:45	1,010	6,799,774	1.43	0
12/15/2021 22:00	1,010	6,799,775	1.43	0
12/15/2021 22:15	1,020	6,867,099	1.44	0
12/15/2021 22:30	1,010	6,799,774	1.43	0
12/15/2021 22:45	1,010	6,799,775	1.43	0
12/15/2021 23:00	1,010	6,799,774	1.43	0
12/15/2021 23:15	1,020	6,867,099	1.44	0
12/15/2021 23:30	1,010	6,799,775	1.43	0
12/15/2021 23:45	1,020	6,867,099	1.44	0
12/16/2021 0:00	1,010	6,799,774	1.43	0
12/16/2021 0:15	1,020	6,867,099	1.44	0
12/16/2021 0:30	1,010	6,799,774	1.43	0
12/16/2021 0:45	1,020	6,867,099	1.44	0
12/16/2021 1:00	1,010	6,799,775	1.43	0
12/16/2021 1:15	1,010	6,799,774	1.43	0
12/16/2021 1:30	1,010	6,799,774	1.43	0
12/16/2021 1:45	1,010	6,799,775	1.43	0
12/16/2021 2:00	1,010	6,799,774	1.43	0
12/16/2021 2:15	1,010	6,799,774	1.43	0
12/16/2021 2:30	1,010	6,799,775	1.43	0
12/16/2021 2:45	1,010	6,799,774	1.43	0

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/16/2021 3:00	1,020	6,867,099	1.44	0
12/16/2021 3:15	1,020	6,867,099	1.44	0
12/16/2021 3:30	1,010	6,799,774	1.43	0
12/16/2021 3:45	1,020	6,867,099	1.44	0
12/16/2021 4:00	1,020	6,867,099	1.44	0
12/16/2021 4:15	1,010	6,799,774	1.43	0
12/16/2021 4:30	1,020	6,867,099	1.44	0
12/16/2021 4:45	1,020	6,867,099	1.44	0
12/16/2021 5:00	1,010	6,799,774	1.43	0
12/16/2021 5:15	1,010	6,799,774	1.43	0
12/16/2021 5:30	1,010	6,799,775	1.43	0
12/16/2021 5:45	1,010	6,799,774	1.43	0
12/16/2021 6:00	1,010	6,799,774	1.43	0
12/16/2021 6:15	1,010	6,799,775	1.43	0
12/16/2021 6:30	1,020	6,867,099	1.44	0
12/16/2021 6:45	1,020	6,867,099	1.44	0
12/16/2021 7:00	1,020	6,867,099	1.44	0
12/16/2021 7:15	1,020	6,867,099	1.44	0
12/16/2021 7:30	1,020	6,867,099	1.44	0
12/16/2021 7:45	1,020	6,867,099	1.44	0
12/16/2021 8:00	1,020	6,867,099	1.44	0
12/16/2021 8:15	1,020	6,867,099	1.44	0
12/16/2021 8:30	1,020	6,867,099	1.44	0
12/16/2021 8:45	1,020	6,867,099	1.44	0
12/16/2021 9:00	1,010	6,799,774	1.43	0
12/16/2021 9:15	1,020	6,867,099	1.44	0
12/16/2021 9:30	1,020	6,867,099	1.44	0
12/16/2021 9:45	1,020	6,867,099	1.44	0
12/16/2021 10:00	1,020	6,867,099	1.44	0
12/16/2021 10:15	1,020	6,867,099	1.44	0
12/16/2021 10:30	1,020	6,867,099	1.44	0
12/16/2021 10:45	1,020	6,867,099	1.44	0
12/16/2021 11:00	1,020	6,867,099	1.44	0
12/16/2021 11:15	1,020	6,867,099	1.44	0
12/16/2021 11:30	1,020	6,867,099	1.44	0
12/16/2021 11:45	1,030	6,934,423	1.45	0
12/16/2021 12:00	1,020	6,867,099	1.44	0
12/16/2021 12:15	1,020	6,867,099	1.44	0
12/16/2021 12:30	1,020	6,867,099	1.44	0
12/16/2021 12:45	1,020	6,867,099	1.44	0
12/16/2021 13:00	1,020	6,867,099	1.44	0
12/16/2021 13:15	1,030	6,934,423	1.45	0
12/16/2021 13:30	1,030	6,934,423	1.45	0
12/16/2021 13:45	1,030	6,934,424	1.45	0
12/16/2021 14:00	1,020	6,867,099	1.44	0
12/16/2021 14:15	1,020	6,867,099	1.44	0
12/16/2021 14:30	1,020	6,867,099	1.44	0
12/16/2021 14:45	1,020	6,867,099	1.44	0
12/16/2021 15:00	1,020	6,867,099	1.44	0
12/16/2021 15:15	1,020	6,867,099	1.44	0
12/16/2021 15:30	1,020	6,867,099	1.44	0

TABLE B9-4
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
12/16/2021 15:45	1,030	6,934,423	1.45	0
12/16/2021 16:00	1,030	6,934,424	1.45	0
12/16/2021 16:15	1,030	6,934,423	1.45	0
12/16/2021 16:30	1,040	7,001,748	1.46	0
12/16/2021 16:45	1,040	7,001,748	1.46	0
12/16/2021 17:00	1,040	7,001,748	1.46	0
12/16/2021 17:15	1,040	7,001,748	1.46	0
12/16/2021 17:30	1,040	7,001,748	1.46	0
12/16/2021 17:45	1,040	7,001,748	1.46	0
12/16/2021 18:00	1,040	7,001,748	1.46	0
12/16/2021 18:15	1,040	7,001,748	1.46	0
12/16/2021 18:30	1,040	7,001,748	1.46	0
12/16/2021 18:45	1,040	7,001,748	1.46	0
12/16/2021 19:00	1,040	7,001,748	1.46	0
12/16/2021 19:15	1,040	7,001,748	1.46	0
12/16/2021 19:30	1,040	7,001,748	1.46	0
12/16/2021 19:45	1,040	7,001,748	1.46	0
12/16/2021 20:00	1,040	7,001,748	1.46	0
12/16/2021 20:15	1,040	7,001,748	1.46	0
12/16/2021 20:30	1,030	6,934,424	1.45	0
12/16/2021 20:45	1,030	6,934,423	1.45	0
12/16/2021 21:00	1,030	6,934,423	1.45	0
12/16/2021 21:15	1,030	6,934,424	1.45	0
12/16/2021 21:30	1,030	6,934,423	1.45	0
12/16/2021 21:45	1,030	6,934,423	1.45	0
12/16/2021 22:00	1,040	7,001,748	1.46	0
12/16/2021 22:15	1,030	6,934,423	1.45	0
12/16/2021 22:30	1,030	6,934,423	1.45	0
12/16/2021 22:45	1,030	6,934,424	1.45	0
12/16/2021 23:00	1,030	6,934,423	1.45	0
12/16/2021 23:15	1,030	6,934,423	1.45	0
12/16/2021 23:30	1,040	7,001,748	1.46	0
12/16/2021 23:45	1,040	7,001,748	1.46	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

FLOW DATA FOR LOCK #1 NR KELLY, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
10/26/2021 2:30	1,040	7,001,748
10/26/2021 6:30	1,040	7,001,748
10/26/2021 10:30	1,040	7,001,748
10/26/2021 14:30	1,040	7,001,748
10/26/2021 18:30	1,040	7,001,748
10/26/2021 22:30	1,040	7,001,748

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 B10-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
11/17/2021 0:00	1,110	7,473,019
11/17/2021 0:15	1,110	7,473,020
11/17/2021 0:30	1,110	7,473,019
11/17/2021 0:45	1,120	7,540,344
11/17/2021 1:00	1,120	7,540,344
11/17/2021 1:15	1,110	7,473,019
11/17/2021 1:30	1,110	7,473,019
11/17/2021 1:45	1,110	7,473,020
11/17/2021 2:00	1,110	7,473,019
11/17/2021 2:15	1,110	7,473,019
11/17/2021 2:30	1,110	7,473,020
11/17/2021 2:45	1,110	7,473,019
11/17/2021 3:00	1,110	7,473,019
11/17/2021 3:15	1,110	7,473,020
11/17/2021 3:30	1,110	7,473,019
11/17/2021 3:45	1,110	7,473,019
11/17/2021 4:00	1,110	7,473,020
11/17/2021 4:15	1,110	7,473,019
11/17/2021 4:30	1,110	7,473,019
11/17/2021 4:45	1,110	7,473,020
11/17/2021 5:00	1,110	7,473,019
11/17/2021 5:15	1,110	7,473,019
11/17/2021 5:30	1,120	7,540,344
11/17/2021 5:45	1,110	7,473,019
11/17/2021 6:00	1,110	7,473,019
11/17/2021 6:15	1,110	7,473,020
11/17/2021 6:30	1,110	7,473,019
11/17/2021 6:45	1,110	7,473,019
11/17/2021 7:00	1,110	7,473,020
11/17/2021 7:15	1,120	7,540,344
11/17/2021 7:30	1,110	7,473,019
11/17/2021 7:45	1,110	7,473,020
11/17/2021 8:00	1,110	7,473,019
11/17/2021 8:15	1,110	7,473,019
11/17/2021 8:30	1,110	7,473,020
11/17/2021 8:45	1,110	7,473,019
11/17/2021 9:00	1,100	7,405,695
11/17/2021 9:15	1,110	7,473,020
11/17/2021 9:30	1,110	7,473,019
11/17/2021 9:45	1,110	7,473,019
11/17/2021 10:00	1,100	7,405,695
11/17/2021 10:15	1,110	7,473,019
11/17/2021 10:30	1,110	7,473,019
11/17/2021 10:45	1,110	7,473,020
11/17/2021 11:00	1,100	7,405,695
11/17/2021 11:15	1,100	7,405,695
11/17/2021 11:30	1,110	7,473,020
11/17/2021 11:45	1,100	7,405,695
11/17/2021 12:00	1,100	7,405,695
11/17/2021 12:15	1,100	7,405,695
11/17/2021 12:30	1,100	7,405,695
11/17/2021 12:45	1,110	7,473,019
11/17/2021 13:00	1,090	7,338,371
11/17/2021 13:15	1,090	7,338,370
11/17/2021 13:30	1,100	7,405,695
11/17/2021 13:45	1,090	7,338,371
11/17/2021 14:00	1,100	7,405,695
11/17/2021 14:15	1,090	7,338,370
11/17/2021 14:30	1,090	7,338,371

TABLE B10-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
11/17/2021 14:45	1,090	7,338,370
11/17/2021 15:00	1,100	7,405,695
11/17/2021 15:15	1,100	7,405,695
11/17/2021 15:30	1,090	7,338,370
11/17/2021 15:45	1,090	7,338,370
11/17/2021 16:00	1,090	7,338,371
11/17/2021 16:15	1,090	7,338,370
11/17/2021 16:30	1,100	7,405,695
11/17/2021 16:45	1,090	7,338,371
11/17/2021 17:00	1,090	7,338,370
11/17/2021 17:15	1,090	7,338,370
11/17/2021 17:30	1,090	7,338,371
11/17/2021 17:45	1,090	7,338,370
11/17/2021 18:00	1,090	7,338,370
11/17/2021 18:15	1,080	7,271,046
11/17/2021 18:30	1,080	7,271,046
11/17/2021 18:45	1,080	7,271,046
11/17/2021 19:00	1,080	7,271,046
11/17/2021 19:15	1,080	7,271,046
11/17/2021 19:30	1,080	7,271,046
11/17/2021 19:45	1,080	7,271,046
11/17/2021 20:00	1,080	7,271,046
11/17/2021 20:15	1,070	7,203,721
11/17/2021 20:30	1,070	7,203,722
11/17/2021 20:45	1,070	7,203,721
11/17/2021 21:00	1,080	7,271,046
11/17/2021 21:15	1,080	7,271,046
11/17/2021 21:30	1,080	7,271,046
11/17/2021 21:45	1,080	7,271,046
11/17/2021 22:00	1,070	7,203,722
11/17/2021 22:15	1,070	7,203,721
11/17/2021 22:30	1,070	7,203,721
11/17/2021 22:45	1,070	7,203,722
11/17/2021 23:00	1,070	7,203,721
11/17/2021 23:15	1,070	7,203,721
11/17/2021 23:30	1,070	7,203,722
11/17/2021 23:45	1,070	7,203,721

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 B10-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
12/20/2021 0:00	1,250	8,415,562
12/20/2021 0:15	1,250	8,415,563
12/20/2021 0:30	1,270	8,550,211
12/20/2021 0:45	1,240	8,348,238
12/20/2021 1:00	1,250	8,415,563
12/20/2021 1:15	1,270	8,550,211
12/20/2021 1:30	1,250	8,415,562
12/20/2021 1:45	1,240	8,348,238
12/20/2021 2:00	1,270	8,550,211
12/20/2021 2:15	1,250	8,415,562
12/20/2021 2:30	1,250	8,415,563
12/20/2021 2:45	1,270	8,550,211
12/20/2021 3:00	1,280	8,617,536
12/20/2021 3:15	1,270	8,550,212
12/20/2021 3:30	1,250	8,415,562
12/20/2021 3:45	1,250	8,415,562
12/20/2021 4:00	1,250	8,415,563
12/20/2021 4:15	1,270	8,550,211
12/20/2021 4:30	1,270	8,550,211
12/20/2021 4:45	1,270	8,550,212
12/20/2021 5:00	1,270	8,550,211
12/20/2021 5:15	1,250	8,415,562
12/20/2021 5:30	1,250	8,415,563
12/20/2021 5:45	1,270	8,550,211
12/20/2021 6:00	1,270	8,550,211
12/20/2021 6:15	1,280	8,617,536
12/20/2021 6:30	1,280	8,617,536
12/20/2021 6:45	1,270	8,550,211
12/20/2021 7:00	1,270	8,550,212
12/20/2021 7:15	1,280	8,617,536
12/20/2021 7:30	1,280	8,617,536
12/20/2021 7:45	1,290	8,684,861
12/20/2021 8:00	1,290	8,684,860
12/20/2021 8:15	1,300	8,752,185
12/20/2021 8:30	1,300	8,752,185
12/20/2021 8:45	1,300	8,752,185
12/20/2021 9:00	1,280	8,617,536
12/20/2021 9:15	1,300	8,752,185
12/20/2021 9:30	1,300	8,752,185
12/20/2021 9:45	1,300	8,752,185
12/20/2021 10:00	1,320	8,886,834
12/20/2021 10:15	1,300	8,752,185
12/20/2021 10:30	1,320	8,886,834
12/20/2021 10:45	1,320	8,886,834
12/20/2021 11:00	1,300	8,752,185
12/20/2021 11:15	1,320	8,886,834
12/20/2021 11:30	1,300	8,752,185
12/20/2021 11:45	1,320	8,886,834
12/20/2021 12:00	1,320	8,886,834
12/20/2021 12:15	1,320	8,886,834
12/20/2021 12:30	1,330	8,954,158
12/20/2021 12:45	1,330	8,954,158
12/20/2021 13:00	1,320	8,886,834
12/20/2021 13:15	1,330	8,954,158
12/20/2021 13:30	1,320	8,886,834
12/20/2021 13:45	1,330	8,954,159
12/20/2021 14:00	1,330	8,954,158
12/20/2021 14:15	1,340	9,021,483
12/20/2021 14:30	1,330	8,954,159

TABLE B10-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
12/20/2021 14:45	1,330	8,954,158
12/20/2021 15:00	1,360	9,156,132
12/20/2021 15:15	1,330	8,954,159
12/20/2021 15:30	1,340	9,021,483
12/20/2021 15:45	1,340	9,021,483
12/20/2021 16:00	1,340	9,021,483
12/20/2021 16:15	1,340	9,021,483
12/20/2021 16:30	1,340	9,021,483
12/20/2021 16:45	1,340	9,021,483
12/20/2021 17:00	1,340	9,021,483
12/20/2021 17:15	1,340	9,021,483
12/20/2021 17:30	1,360	9,156,132
12/20/2021 17:45	1,360	9,156,132
12/20/2021 18:00	1,360	9,156,132
12/20/2021 18:15	1,360	9,156,132
12/20/2021 18:30	1,360	9,156,132
12/20/2021 18:45	1,360	9,156,132
12/20/2021 19:00	1,360	9,156,132
12/20/2021 19:15	1,370	9,223,456
12/20/2021 19:30	1,370	9,223,456
12/20/2021 19:45	1,380	9,290,781
12/20/2021 20:00	1,370	9,223,456
12/20/2021 20:15	1,370	9,223,456
12/20/2021 20:30	1,370	9,223,457
12/20/2021 20:45	1,380	9,290,781
12/20/2021 21:00	1,390	9,358,105
12/20/2021 21:15	1,390	9,358,106
12/20/2021 21:30	1,410	9,492,754
12/20/2021 21:45	1,390	9,358,105
12/20/2021 22:00	1,390	9,358,106
12/20/2021 22:15	1,390	9,358,105
12/20/2021 22:30	1,410	9,492,754
12/20/2021 22:45	1,420	9,560,079
12/20/2021 23:00	1,420	9,560,079
12/20/2021 23:15	1,420	9,560,079
12/20/2021 23:30	1,420	9,560,079
12/20/2021 23:45	1,420	9,560,079

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 - Q4 2021
Chemours Fayetteville Works, North Carolina

Q4 2021 Monthly Event	Date	Intake Flow River Water Total Daily Flow Average (gpm)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
October 2021[1]	10/19/2021	10,271	14,789,557	13.9	8,565,618
	10/20/2021	7,869	11,331,726	9.10	4,296,613
	10/19/2021 10:06 am to 10/20/2021 9:06 am			23.0	12,862,231
November 2021[2]	11/9/2021	6,899	9,934,226	13.9	5,753,573
	11/10/2021	6,739	9,703,858	9.10	3,679,380
	11/9/2021 10:06 am to 11/10/2021 9:06 am			23.0	9,432,952
December 2021[3]	12/14/2021	6,914	9,956,835	12.9	5,351,799
	12/15/2021	6,638	9,558,168	10.1	4,022,396
	12/14/2021 11:06 am to 12/15/2021 10:06 am			23.0	9,374,195

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 9:06 am on 10/20/2021 approximated based on flow rates for 10/19/2021 and 10/20/2021
2 - Total flow volume for 24-hour temporal composite sample collected at 9:06 am on 11/10/2021 approximated based on flow rates for 11/09/2021 and 11/10/2021
3 - Total flow volume for 24-hour temporal composite sample collected at 10:06 am on 12/15/2021 approximated based on flow rates for 12/14/2021 and 12/15/2021
Acronyms:
gal - gallons
gpm - gallons per minute

TABLE B12
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL DATA
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 DATA
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 DATA
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 DATA
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 DATA
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 DATA
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 DATA
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			***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***

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.
kg - kilogram
m^3 - cubic meter

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

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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-24-081220	8/12/20 23:01	24	46	46	72	672,600,000	--	10	10	16
2020 Q3	CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	1,107,700,000	--	9.1	8.9	13
2020 Q3	CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	750,330,000	--	12	11	16
2020 Q3	CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	529,670,000	--	10	10	10
2020 Q3	CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
2020 Q3	CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
2020 Q3	CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
2020 Q3	CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	515,400,000	--	7.4	7.5	9.5
2020 Q3	CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	255,760,000	--	4.9	5	6.2
2020 Q3	CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	146,080,000	--	7.7	7.6	11
2020 Q3	CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	170,490,000	--	4.7	4.9	6.5
2020 Q3	CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	135,600,000	--	4.4	4.9	6.8
2020 Q3	CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	104,290,000	--	13	14	23
2020 Q3	CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	570,840,000	--	11	11	13
2020 Q3	CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	382,980,000	--	8.7	8.6	10
2020 Q3	CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	382,150,000	--	8.8	8.8	11
2020 Q3	CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	703,470,000	--	16	16	19
2020 Q3	CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	841,660,000	--	14	14	16
2020 Q3	CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	792,600,000	--	4.2	4.2	5.6
2020 Q3	CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	971,470,000	--	24	23	31
2020 Q4	CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	847,260,000	--	5.6	5.5	5.5
2020 Q4	CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	126,380,000	--	2.7	2.7	3.2
2020 Q4	CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	231,100,000	--	3	3	3.5
2020 Q4	CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	352,550,000	--	20	20	25
2020 Q4	CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	745,010,000	--	6.3	6.4	8.5
2020 Q4	CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	632,270,000	--	6.6	6.5	8.7
2020 Q4	CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	423,540,000	--	7.1	7	7
2020 Q4	CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	325,130,000	--	6	6.4	8.7
2020 Q4	CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	351,490,000	--	8.1	8.5	11
2020 Q4	CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	547,950,000	--	9.2	9.7	10
2020 Q4	CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	362,140,000	--	7.7	7.8	8.4
2020 Q4	CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	198,700,000	--	5.9	6	8.2
2020 Q4	CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	193,470,000	--	4.7	4.9	7.1
2020 Q4	CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	538,380,000	--	51	51	66
2020 Q4	CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
2020 Q4	CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
2020 Q4	CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13
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

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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)
2020 Q4	CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
2020 Q4	CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
2020 Q4	CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
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

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)
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
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

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)
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

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 - OCTOBER 2021
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)	600	4.3	4.1	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 10/21	CAP SW Sampling 10/21	CAP SW Sampling 10/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS INFLUENT
Field Sample ID	CAP1021-CFR-RM-76-101921	CAP1021-WC-1-24-102021	CAP1021-OUTFALL-002-24-102021	--
Sample Date and Time[2]	10/19/2021	10/20/2021	10/20/2021	--
Sample Delivery Group (SDG)	320-80696-3	320-80698-1 / 320-80698-2	320-80690-1 / 320-80690-2	--
Lab Sample ID	320-80696-4	320-80698-2	320-80690-5	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.09**	**0.02**	--
PFMOAA	**0.079**	**0.16**	**1.6E-03**	--
PFO2HxA	ND	**0.11**	**1.4E-03**	--
PFO3OA	ND	**0.02**	**4.9E-04**	--
PFO4DA	ND	**4.5E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**0.3**	**0.09**	**9.0E-04**	--
PEPA	ND	**0.03**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**3.0E-03**	ND	--
R-PSDA	ND	**0.01**	ND	--
Hydrolyzed PSDA	**0.053**	**0.06**	**9.9E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.14**	**3.0E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.4E-03**	ND	--
R-EVE	ND	**4.4E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**0.39**	**0.51**	**0.02**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.53**	**0.51**	**0.03**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.58**	**0.59**	**0.04**	--

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - OCTOBER 2021
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)	--	--	0.13	0.10	0.04
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	Seep Long-Term Loading Baseline	Seep Long-Term Loading Baseline	Seep Long-Term Loading Baseline
Location ID	--	--	SEEP-A-INF	SEEP-B-INF	SEEP-C-INF
Field Sample ID	--	--	SEEP-A-DRY-INF-24-102121	SEEP-B-DRY-INF-23-102121	SEEP-C-DRY-INF-24-102121
Sample Date and Time[2]	--	--	10/21/2021	10/21/2021	10/21/2021
Sample Delivery Group (SDG)	--	--	320-80700-1	320-80700-1	320-80694-1
Lab Sample ID	--	--	320-80700-1	320-80700-2	320-80694-1
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	0.50	0.52	0.13	0.10	0.03
PFMOAA	2.72	2.95	0.38	0.43	0.09
PFO2HxA	0.85	0.91	0.25	0.18	0.04
PFO3OA	0.45	0.46	0.09	0.04	0.01
PFO4DA	0.53	0.54	0.05	0.01	4.9E-03
PFO5DA	0.15	0.16	0.03	7.0E-04	1.7E-04
PMPA	0.25	0.25	0.12	0.13	0.02
PEPA	0.07	0.07	0.04	0.06	0.01
PS Acid	0.03	0.03	0.01	3.1E-03	ND
Hydro-PS Acid	0.07	0.07	0.01	3.0E-03	6.7E-04
R-PSDA	0.06	0.06	0.01	0.01	ND
Hydrolyzed PSDA	0.14	0.15	0.17	0.11	ND
R-PSDCA	4.7E-03	4.7E-03	2.6E-04	1.5E-04	ND
NVHOS, Acid Form	0.04	0.04	0.01	0.01	1.1E-03
EVE Acid	2.9E-03	2.9E-03	1.5E-03	2.1E-03	ND
Hydro-EVE Acid	0.05	4.9E-02	0.01	0.01	2.1E-03
R-EVE	0.02	2.2E-02	0.01	0.01	ND
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	5.55	5.88	1.10	0.96	0.21
Total Table 3+ Mass Discharge (17 compounds)[8,10]	5.58	5.91	1.15	0.96	0.21
Total Table 3+ Mass Discharge (20 Compounds)[8]	5.85	6.19	1.32	1.09	0.21

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - OCTOBER 2021
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	2.6E-03	0.93
Instantaneous Flow (ft3/sec)	--	--		--
Program	Seep Long-Term Loading Baseline	CAP SW Sampling 10/21	CAP SW Sampling 10/21	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-24-102121	CAP1021-LOCK-DAM-SEEP-101921	CAP1021-LOCK-DAM-NORTH-10192	Influent-1021-3
Sample Date and Time[2]	10/21/2021	10/19/2021	10/19/2021	10/19/2021
Sample Delivery Group (SDG)	320-80700-1	320-80696-1 / 320-80696-2	320-80690-1 / 320-80690-2	410-59772-1
Lab Sample ID	320-80700-3	320-80696-5	320-80690-1	410-59772-1
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.08**	**4.8E-03**	**2.2E-04**	**0.22**
PFMOAA	**0.26**	**0.04**	**1.6E-04**	**0.57**
PFO2HxA	**0.13**	**0.01**	**1.8E-04**	ND
PFO3OA	**0.04**	**0.01**	**3.1E-05**	ND
PFO4DA	**0.01**	**9.3E-04**	**1.0E-05**	ND
PFO5DA	**8.9E-04**	**5.0E-05**	**1.8E-06**	ND
PMPA	**0.04**	**3.7E-03**	**2.8E-04**	**0.14**
PEPA	**0.01**	**1.4E-03**	**1.0E-04**	ND
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	**1.6E-03**	**7.1E-05**	**9.7E-06**	ND
R-PSDA	**4.7E-03**	**4.2E-04**	**1.6E-05**	ND
Hydrolyzed PSDA	**0.01**	**3.9E-04**	ND	ND
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	**3.6E-03**	**6.6E-04**	**2.9E-06**	ND
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	**5.4E-03**	**7.1E-05**	**1.2E-06**	ND
R-EVE	**4.1E-03**	**1.4E-04**	**7.3E-06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.57**	**0.07**	**1.0E-03**	**0.93**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.58**	**0.07**	**1.0E-03**	**0.93**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.59**	**0.07**	**1.0E-03**	**0.93**

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - OCTOBER 2021
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)	**2.6**			**--**
Instantaneous Flow (ft3/sec)	**--**			**927**
Program	**CAP SW Sampling 10/21**			**CAP SW Sampling 10/21**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1021-GBC-1-101921**			**CAP1021-CFR-TARHEEL-102021**
Sample Date and Time[2]	**10/19/2021**			**10/20/2021**
Sample Delivery Group (SDG)	**320-80696-1 / 320-80696-2**			**320-80690-1 / 320-80690-2**
Lab Sample ID	**320-80696-3**			**320-80690-3**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***				
HFPO-DA	**0.06**	**1.23**	**1.24**	**0.34**
PFMOAA	**0.01**	**4.73**	**4.96**	**0.79**
PFO2HxA	**0.04**	**1.62**	**1.68**	**0.45**
PFO3OA	**0.01**	**0.67**	**0.68**	**0.11**
PFO4DA	**1.8E-03**	**0.61**	**0.62**	ND
PFO5DA	**2.3E-04**	**0.19**	**0.19**	ND
PMPA	**0.07**	**1.18**	**1.17**	**0.42**
PEPA	**0.02**	**0.24**	**0.24**	ND
PS Acid	ND	**0.04**	**0.04**	ND
Hydro-PS Acid	**2.7E-03**	**0.09**	**0.09**	ND
R-PSDA	**4.0E-03**	**0.10**	**0.10**	**0.29**
Hydrolyzed PSDA	ND	**0.56**	**0.56**	**0.31**
R-PSDCA	ND	**0.01**	**0.01**	ND
NVHOS, Acid Form	**3.8E-04**	**0.20**	**0.20**	**0.16**
EVE Acid	ND	**0.01**	**0.01**	ND
Hydro-EVE Acid	ND	**0.07**	**0.07**	ND
R-EVE	**1.4E-03**	**0.04**	**0.05**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.21**	**10.5**	**10.9**	**2.10**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.21**	**10.8**	**11.1**	**2.26**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.22**	**11.5**	**11.8**	**2.89**

TABLE B14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff**[6]	**Kings Bluff**[6]
Flow (MG)	**560**	--	--
Instantaneous Flow (ft3/sec)	--	**908**	**1,040**
Program	**CAP SW Sampling 10/21**	**CAP SW Sampling 10/21**	**CAP SW Sampling 10/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1021-CFR-TARHEEL-24-102121**	**CAP1021-CFR-BLADEN-102021**	**CAP1021-CFR-KINGS-102621**
Sample Date and Time[2]	**10/21/2021**	**10/20/2021**	**10/26/2021**
Sample Delivery Group (SDG)	**320-80692-1 / 320-80692-2**	**320-80690-1 / 320-80690-2**	**320-81066-1 / 320-81066-2**
Lab Sample ID	**320-80692-3**	**320-80690-2**	**320-81066-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***			
HFPO-DA	**0.32**	**0.33**	**0.32**
PFMOAA	**0.81**	**0.77**	**0.77**
PFO2HxA	**0.44**	**0.39**	**0.35**
PFO3OA	**0.11**	**0.08**	**0.09**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**0.47**	**0.28**	**0.41**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**0.27**	**0.28**	**0.19**
Hydrolyzed PSDA	**0.29**	**0.26**	**0.21**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.16**	**0.14**	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	**0.1**	**0.08**	**0.11**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**2.13**	**1.85**	**1.94**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**2.31**	**2.01**	**1.94**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.94**	**2.57**	**2.44**

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 October 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 - 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.

7 - 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.

8 - 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.

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

10 - 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 - OCTOBER 2021
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)	600	4.3	4.1	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 10/21	CAP SW Sampling 10/21	CAP SW Sampling 10/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP1021-CFR-RM-76-101921	CAP1021-WC-1-24-102021	CAP1021-OUTFALL-002-24-102021	--
Sample Date and Time[2]	10/19/2021	10/20/2021	10/20/2021	--
Sample Delivery Group (SDG)	320-80696-3	320-80698-1 / 320-80698-2	320-68081-1	--
Lab Sample ID	320-80696-4	320-80698-2	320-68081-2	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.09**	**1.7E-02**	--
PFMOAA	**0.079**	**0.16**	**1.6E-03**	--
PFO2HxA	ND	**0.11**	**1.4E-03**	--
PFO3OA	ND	**0.02**	**4.9E-04**	--
PFO4DA	ND	**4.5E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**0.3**	**0.09**	**9.0E-04**	--
PEPA	ND	**0.03**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**3.0E-03**	ND	--
R-PSDA	ND	**0.01**	ND	--
Hydrolyzed PSDA	**0.053**	**0.06**	**9.9E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.14**	**3.0E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.4E-03**	ND	--
R-EVE	ND	**4.4E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**0.39**	**0.51**	**0.02**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.53**	**0.51**	**0.03**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.58**	**0.59**	**0.04**	--

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - OCTOBER 2021
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)	--	--	0.13	0.10	0.04
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	CAP SW Sampling 10/21	CAP SW Sampling 10/21	CAP SW Sampling 10/21
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	CAP1021-SEEP-A-EFF-24-102021	CAP1021-SEEP-B-EFF-24-102021	CAP1021-SEEP-C-EFF-24-102021
Sample Date and Time[2]	--	--	10/20/2021	10/20/2021	10/20/2021
Sample Delivery Group (SDG)	--	--	320-80698-3	320-80698-1 / 320-80698-2	320-80692-3
Lab Sample ID	--	--	320-80698-3	320-80698-4	320-80692-1
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.50**	**0.52**	**0.00**	**3.1E-05**	**3.3E-05**
PFMOAA	**2.72**	**2.95**	**5.4E-04**	**2.0E-04**	**6.0E-04**
PFO2HxA	**0.85**	**0.91**	**0.00**	**2.7E-05**	**8.7E-05**
PFO3OA	**0.45**	**0.46**	**0.00**	ND	**9.8E-06**
PFO4DA	**0.53**	**0.54**	**0.00**	ND	ND
PFO5DA	**0.15**	**0.16**	ND	ND	ND
PMPA	**0.25**	**0.25**	**0.00**	**9.1E-05**	**1.0E-04**
PEPA	**0.07**	**0.07**	ND	ND	ND
PS Acid	**0.03**	**0.03**	**0.00**	ND	ND
Hydro-PS Acid	**0.07**	**0.07**	**0.00**	ND	ND
R-PSDA	**0.06**	**0.06**	**0.00**	ND	ND
Hydrolyzed PSDA	**0.14**	**0.15**	**0.00**	ND	ND
R-PSDCA	**4.7E-03**	**4.7E-03**	ND	ND	ND
NVHOS, Acid Form	**0.04**	**0.04**	**0.00**	ND	**3.8E-06**
EVE Acid	**2.9E-03**	**2.9E-03**	ND	ND	ND
Hydro-EVE Acid	**0.05**	**0.05**	ND	ND	ND
R-EVE	**0.02**	**0.02**	ND	ND	ND
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**5.55**	**5.88**	**1.5E-03**	**3.4E-04**	**8.4E-04**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**5.58**	**5.91**	**1.5E-03**	**3.4E-04**	**8.4E-04**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**5.85**	**6.19**	**1.9E-03**	**3.4E-04**	**8.4E-04**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - OCTOBER 2021
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	2.6E-03	0.93
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 10/21	CAP SW Sampling 10/21	CAP SW Sampling 10/21	CAP SW Sampling 10/21
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP1021-SEEP-D-EFF-24-102021	CAP1021-LOCK-DAM-SEEP-101921	CAP1021-LOCK-DAM-NORTH-10192	CAP1021-OLDOF-1-24-102021
Sample Date and Time[2]	10/20/2021	10/19/2021	10/19/2021	10/20/2021
Sample Delivery Group (SDG)	320-80698-1 / 320-80698-2	320-80696-1 / 320-80696-2	320-80690-1 / 320-80690-2	320-80698-1 / 320-80698-2
Lab Sample ID	320-80698-5	320-80696-5	320-80690-1	320-80698-1
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**3.3E-05**	**4.8E-03**	**2.2E-04**	**8.1E-03**
PFMOAA	**1.4E-04**	**0.04**	**1.6E-04**	**0.03**
PFO2HxA	**4.3E-05**	**0.01**	**1.8E-04**	**0.01**
PFO3OA	**1.6E-05**	**6.6E-03**	**3.1E-05**	**0.01**
PFO4DA	ND	**9.3E-04**	**1.0E-05**	**1.9E-03**
PFO5DA	ND	**5.0E-05**	**1.8E-06**	**6.5E-04**
PMPA	ND	**3.7E-03**	**2.8E-04**	**0.01**
PEPA	ND	**1.4E-03**	**1.0E-04**	**2.3E-03**
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	**7.1E-05**	**9.7E-06**	**3.4E-04**
R-PSDA	ND	**4.2E-04**	**1.6E-05**	ND
Hydrolyzed PSDA	ND	**3.9E-04**	ND	**6.1E-04**
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	ND	**6.6E-04**	**2.9E-06**	**6.1E-04**
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	**7.1E-05**	**1.2E-06**	**1.6E-04**
R-EVE	ND	**1.4E-04**	**7.3E-06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**2.3E-04**	**0.07**	**1.0E-03**	**0.07**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**2.3E-04**	**0.07**	**1.0E-03**	**0.07**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.3E-04**	**0.07**	**1.0E-03**	**0.07**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - OCTOBER 2021
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)	2.6			--
Instantaneous Flow (ft3/sec)	--			927
Program	CAP SW Sampling 10/21			CAP SW Sampling 10/21
Location ID	GBC-1			CFR-TARHEEL
Field Sample ID	CAP1021-GBC-1-101921			CAP1021-CFR-TARHEEL-102021
Sample Date and Time[2]	10/19/2021			10/20/2021
Sample Delivery Group (SDG)	320-80696-1 / 320-80696-2			320-80690-1 / 320-80690-2
Lab Sample ID	320-80696-3			320-80690-3
Sample Type	Grab			Grab
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.06**	**0.68**	**0.69**	**0.34**
PFMOAA	**0.01**	**3.04**	**3.27**	**0.79**
PFO2HxA	**0.04**	**1.03**	**1.08**	**0.45**
PFO3OA	**0.01**	**0.49**	**0.50**	**0.11**
PFO4DA	**1.8E-03**	**0.54**	**0.55**	ND
PFO5DA	**2.3E-04**	**0.16**	**0.16**	ND
PMPA	**0.07**	**0.74**	**0.74**	**0.42**
PEPA	**0.02**	**0.13**	**0.13**	ND
PS Acid	ND	**0.03**	**0.03**	ND
Hydro-PS Acid	**2.7E-03**	**0.07**	**0.08**	ND
R-PSDA	**4.0E-03**	**0.07**	**0.07**	**0.29**
Hydrolyzed PSDA	ND	**0.26**	**0.27**	**0.31**
R-PSDCA	ND	**4.7E-03**	**4.7E-03**	ND
NVHOS, Acid Form	**3.8E-04**	**0.18**	**0.18**	**0.16**
EVE Acid	ND	**2.9E-03**	**2.9E-03**	ND
Hydro-EVE Acid	ND	**0.05**	**0.05**	ND
R-EVE	**1.4E-03**	**0.03**	**0.03**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.21**	**6.83**	**7.16**	**2.10**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.21**	**6.99**	**7.32**	**2.26**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.22**	**7.41**	**7.76**	**2.89**

TABLE B14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[6]**	**Kings Bluff[6]**
Flow (MG)	**560**	--	--
Instantaneous Flow (ft3/sec)	--	**908**	**1,040**
Program	**CAP SW Sampling 10/21**	**CAP SW Sampling 10/21**	**CAP SW Sampling 10/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1021-CFR-TARHEEL-24-102121**	**CAP1021-CFR-BLADEN-102021**	**CAP1021-CFR-KINGS-102621**
Sample Date and Time[2]	**10/21/2021**	**10/20/2021**	**10/26/2021**
Sample Delivery Group (SDG)	**320-80692-1 / 320-80692-2**	**320-80690-1 / 320-80690-2**	**320-81066-1 / 320-81066-2**
Lab Sample ID	**320-80692-3**	**320-80690-2**	**320-81066-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)			
HFPO-DA	**0.32**	**0.33**	**0.32**
PFMOAA	**0.81**	**0.77**	**0.77**
PFO2HxA	**0.44**	**0.39**	**0.35**
PFO3OA	**0.11**	**0.08**	**0.09**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**0.47**	**0.28**	**0.41**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**0.27**	**0.28**	**0.19**
Hydrolyzed PSDA	**0.29**	**0.26**	**0.21**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.16**	**0.14**	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	**0.09**	**0.08**	**0.11**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**2.13**	**1.85**	**1.94**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**2.31**	**2.01**	**1.94**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.94**	**2.57**	**2.44**

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 October 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 - 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.

7 - 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.

8 - 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.

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

10 - 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 B15-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - NOVEMBER 2021
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)	601	4.1	3.5	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 11/21	CAP SW Sampling 11/21	CAP SW Sampling 11/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS INFLUENT
Field Sample ID	CAP1121-CFR-RM-76-110921	CAP1121-WC-1-24-111021	CAP1121-OUTFALL-002-24-111121	--
Sample Date and Time[2]	11/9/2021	11/10/2021	11/11/2021	--
Sample Delivery Group (SDG)	320-81663-2	320-81661-1	320-82222-1	--
Lab Sample ID	320-81663-4	320-81661-3	320-82222-1	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.09**	**0.02**	--
PFMOAA	**0.058**	**0.13**	**4.6E-04**	--
PFO2HxA	ND	**0.09**	**1.9E-03**	--
PFO3OA	ND	**0.02**	**4.5E-04**	--
PFO4DA	ND	**4.0E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**0.50**	**0.09**	**2.6E-03**	--
PEPA	ND	**0.03**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.2E-03**	ND	--
R-PSDA	ND	**0.01**	ND	--
Hydrolyzed PSDA	**0.063**	**0.05**	**2.6E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.18**	**3.5E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.4E-03**	ND	--
R-EVE	ND	**4.5E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**0.55**	**0.45**	**0.02**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.74**	**0.45**	**0.02**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.79**	**0.53**	**0.03**	--

TABLE B15-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - NOVEMBER 2021
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)	--	--	0.13	0.18	0.04
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	SEEP A FTC	SEEP B FTC	SEEP C FTC
Location ID	--	--	SEEP-A Influent	SEEP-B Influent	SEEP-C INFLUENT
Field Sample ID	--	--	SEEP-A-Influent-324-111221	SEEP-B-Influent-336-111221	Seep-C-Influent-300-111221
Sample Date and Time[2]	--	--	11/12/2021	11/12/2021	11/12/2021
Sample Delivery Group (SDG)	--	--	320-81789-1	320-81789-1	320-81789-1
Lab Sample ID	--	--	320-81789-3	320-81789-4	320-81789-6
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	0.50	0.51	0.15	0.20	0.04
PFMOAA	2.76	2.93	0.40	0.86	0.08
PFO2HxA	0.86	0.91	0.21	0.28	0.04
PFO3OA	0.46	0.46	0.08	0.08	0.01
PFO4DA	0.55	0.54	0.04	0.01	5.0E-03
PFO5DA	0.16	0.16	0.02	1.4E-03	1.9E-04
PMPA	0.24	0.24	0.08	0.20	0.01
PEPA	0.07	0.07	0.04	0.11	0.01
PS Acid	0.03	0.03	0.01	4.1E-03	ND
Hydro-PS Acid	0.07	0.07	0.01	4.7E-03	5.3E-04
R-PSDA	0.06	0.06	0.01	0.03	1.3E-03
Hydrolyzed PSDA	0.15	0.15	0.14	0.20	1.4E-03
R-PSDCA	4.8E-03	4.7E-03	2.5E-04	3.0E-04	ND
NVHOS, Acid Form	0.04	0.04	6.0E-03	0.02	1.1E-03
EVE Acid	3.0E-03	2.9E-03	1.7E-03	3.7E-03	ND
Hydro-EVE Acid	0.05	0.05	0.01	0.01	1.9E-03
R-EVE	0.02	0.02	6.0E-03	0.02	1.3E-03
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**5.63**	**5.84**	**1.04**	**1.72**	**0.19**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**5.64**	**5.86**	**1.04**	**1.80**	**0.19**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**5.91**	**6.12**	**1.21**	**2.03**	**0.21**

TABLE B15-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock-Dam North	Old Outfall 002
Flow (MG)	0.32	0.01	9.13E-04	0.87
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	SEEP D FTC	CAP SW Sampling 11/21	CAP SW Sampling 11/21	Old Outfall 002 Treatment System
Location ID	SEEP-D INFLUENT	Lock-Dam Seep	Lock-Dam North	Old Outfall 002 Influent
Field Sample ID	Seep-D-Influent-336-111221	CAP1121-LOCK-DAM-SEEP-110921	CAP1121-LOCK-DAM-NORTH-110921	Influent-1121-2
Sample Date and Time[2]	11/12/2021	11/9/2021	11/9/2021	11/9/2021
Sample Delivery Group (SDG)	320-81789-1	320-81663-1	320-81663-1	410-62770-1
Lab Sample ID	320-81789-9	320-81663-2	320-81663-3	410-62770-1
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.19**	**4.3E-03**	**8.40E-05**	**0.14**
PFMOAA	**0.68**	**0.03**	**5.20E-05**	**1.06**
PFO2HxA	**0.26**	**0.01**	**6.00E-05**	ND
PFO3OA	**0.09**	**0.01**	**1.08E-05**	ND
PFO4DA	**0.02**	**1.1E-03**	**3.64E-06**	ND
PFO5DA	**1.1E-03**	ND	**5.20E-07**	ND
PMPA	**0.08**	**2.9E-03**	**8.40E-05**	**0.13**
PEPA	**0.03**	**1.2E-03**	**3.84E-05**	ND
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	**3.6E-03**	**4.1E-05**	**3.04E-06**	ND
R-PSDA	**0.01**	**3.5E-04**	**4.80E-06**	ND
Hydrolyzed PSDA	**0.02**	**3.1E-04**	ND	ND
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	**8.2E-03**	**4.9E-04**	**9.20E-07**	ND
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	**0.01**	**5.0E-05**	**3.96E-07**	ND
R-EVE	**0.01**	**1.3E-04**	**2.64E-06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**1.36**	**0.06**	**3.4E-04**	**1.33**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**1.38**	**0.06**	**3.4E-04**	**1.33**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**1.38**	**0.06**	**3.4E-04**	**1.33**

TABLE B15-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - NOVEMBER 2021
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)	**2.6**			**--**
Instantaneous Flow (ft3/sec)	**--**			**935**
Program	**CAP SW Sampling 11/21**			**CAP SW Sampling 11/21**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1121-GBC-1-110921**			**CAP1121-CFR-TARHEEL-111021**
Sample Date and Time[2]	**11/9/2021**			**11/10/2021**
Sample Delivery Group (SDG)	**320-81663-1**			**320-81667-1**
Lab Sample ID	**320-81663-1**			**320-81667-2**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.05**	**1.39**	**1.40**	**0.37**
PFMOAA	**0.01**	**6.07**	**6.24**	**0.53**
PFO2HxA	**0.03**	**1.79**	**1.84**	**0.37**
PFO3OA	**5.3E-03**	**0.75**	**0.75**	**0.09**
PFO4DA	**1.6E-03**	**0.63**	**0.62**	ND
PFO5DA	ND	**0.19**	**0.18**	ND
PMPA	**0.06**	**1.40**	**1.40**	**0.71**
PEPA	**0.02**	**0.30**	**0.30**	ND
PS Acid	ND	**0.04**	**0.04**	ND
Hydro-PS Acid	**2.3E-03**	**0.09**	**0.09**	ND
R-PSDA	**3.7E-03**	**0.12**	**0.12**	ND
Hydrolyzed PSDA	ND	**0.62**	**0.62**	**0.21**
R-PSDCA	ND	**0.01**	**0.01**	ND
NVHOS, Acid Form	**3.7E-04**	**0.25**	**0.25**	**0.16**
EVE Acid	ND	**0.01**	**0.01**	ND
Hydro-EVE Acid	ND	**0.09**	**0.09**	ND
R-EVE	**1.8E-03**	**0.06**	**0.06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.18**	**12.5**	**12.8**	**2.09**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.18**	**12.8**	**13.1**	**2.25**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.19**	**13.7**	**13.9**	**2.44**

TABLE B15-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[6]**	**Kings Bluff[6]**
Flow (MG)	**570**	--	--
Instantaneous Flow (ft3/sec)	--	**916**	**1,100**
Program	**CAP SW Sampling 11/21**	**CAP SW Sampling 11/21**	**CAP SW Sampling 11/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1121-CFR-TARHEEL-24-111121**	**CAP1121-CFR-BLADEN-111021**	**CAP1121-CFR-KINGS-111721**
Sample Date and Time[2]	**11/11/2021**	**11/10/2021**	**11/17/2021**
Sample Delivery Group (SDG)	**320-81997-1**	**320-81667-1**	**320-81997-1**
Lab Sample ID	**320-81997-2**	**320-81667-1**	**320-81997-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)			
HFPO-DA	**0.32**	**0.34**	**0.44**
PFMOAA	**0.45**	**0.49**	**0.62**
PFO2HxA	**0.35**	**0.34**	**0.47**
PFO3OA	**0.09**	**0.08**	**0.12**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**0.72**	**0.62**	**0.84**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.20**	**0.23**	**0.26**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.15**	**0.18**	**0.19**
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[8,9]	**1.95**	**1.87**	**2.49**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**2.10**	**2.05**	**2.68**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.30**	**2.28**	**2.96**

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

7 - 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.

8 - 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.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B15-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - NOVEMBER 2021
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)	601	4.1	3.5	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 11/21	CAP SW Sampling 11/21	CAP SW Sampling 11/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP1121-CFR-RM-76-110921	CAP1121-WC-1-24-111021	CAP1121-OUTFALL-002-24-111121	--
Sample Date and Time[2]	11/9/2021	11/10/2021	11/11/2021	--
Sample Delivery Group (SDG)	320-81663-2	320-81661-1	320-68081-1	--
Lab Sample ID	320-81663-4	320-81661-3	320-68081-2	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.09**	**0.02**	--
PFMOAA	**0.06**	**0.13**	**4.6E-04**	--
PFO2HxA	ND	**0.09**	**1.9E-03**	--
PFO3OA	ND	**0.02**	**4.5E-04**	--
PFO4DA	ND	**4.0E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**0.5**	**0.09**	**2.6E-03**	--
PEPA	ND	**0.03**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.2E-03**	ND	--
R-PSDA	ND	**0.01**	ND	--
Hydrolyzed PSDA	**0.063**	**0.05**	**2.6E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.18**	**3.5E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.4E-03**	ND	--
R-EVE	ND	**4.5E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**0.55**	**0.45**	**0.02**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.74**	**0.45**	**0.02**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.79**	**0.53**	**0.03**	--

TABLE B15-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - NOVEMBER 2021
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)	--	--	0.13	0.18	0.04
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	CAP SW Sampling 11/21	CAP SW Sampling 11/21	CAP SW Sampling 11/21
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	CAP1121-SEEP-A-EFF-24-111021	CAP1121-SEEP-B-EFF-24-111021	CAP1121-SEEP-C-EFF-24-111021
Sample Date and Time[2]	--	--	11/10/2021	11/10/2021	11/10/2021
Sample Delivery Group (SDG)	--	--	320-81665-1	320-81665-2	320-81665-2
Lab Sample ID	--	--	320-81665-1	320-81665-2	320-81665-3
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.50**	**0.51**	**3.6E-05**	**1.6E-04**	**2.1E-05**
PFMOAA	**2.76**	**2.93**	**9.9E-05**	**4.3E-04**	**1.2E-03**
PFO2HxA	**0.86**	**0.91**	**4.2E-05**	**1.6E-04**	**6.9E-05**
PFO3OA	**0.46**	**0.46**	**1.3E-05**	**3.6E-05**	**4.4E-06**
PFO4DA	**0.55**	**0.54**	ND	ND	ND
PFO5DA	**0.16**	**0.16**	ND	ND	ND
PMPA	**0.24**	**0.24**	**6.0E-05**	**2.9E-04**	**1.9E-04**
PEPA	**0.07**	**0.07**	ND	ND	ND
PS Acid	**0.03**	**0.03**	ND	ND	ND
Hydro-PS Acid	**0.07**	**0.07**	ND	ND	ND
R-PSDA	**0.06**	**0.06**	ND	ND	ND
Hydrolyzed PSDA	**0.15**	**0.15**	**2.7E-05**	**1.6E-04**	ND
R-PSDCA	**4.8E-03**	**4.7E-03**	ND	ND	ND
NVHOS, Acid Form	**0.04**	**0.04**	ND	ND	ND
EVE Acid	**3.0E-03**	**2.9E-03**	ND	ND	ND
Hydro-EVE Acid	**0.05**	**0.05**	ND	ND	ND
R-EVE	**0.02**	**0.02**	ND	ND	ND
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**5.63**	**5.84**	**2.5E-04**	**1.1E-03**	**1.5E-03**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**5.64**	**5.86**	**2.5E-04**	**1.1E-03**	**1.5E-03**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**5.91**	**6.12**	**2.7E-04**	**1.3E-03**	**1.5E-03**

TABLE B15-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock-Dam North	Old Outfall 002
Flow (MG)	0.32	0.01	9.13E-04	0.87
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 11/21	CAP SW Sampling 11/21	CAP SW Sampling 11/21	CAP SW Sampling 11/21
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP1121-SEEP-D-EFF-24-111021	CAP1121-LOCK-DAM-SEEP-110921	CAP1121-LOCK-DAM-NORTH-110921	CAP1121-OLDOF-1-24-111021
Sample Date and Time[2]	11/10/2021	11/9/2021	11/9/2021	11/10/2021
Sample Delivery Group (SDG)	320-81665-1	320-81663-1	320-81663-1	320-81665-1
Lab Sample ID	320-81665-4	320-81663-2	320-81663-3	320-81665-5
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**3.0E-05**	**4.3E-03**	**8.40E-05**	**6.4E-03**
PFMOAA	**6.9E-04**	**0.03**	**5.20E-05**	**0.02**
PFO2HxA	**6.1E-05**	**0.01**	**6.00E-05**	**9.5E-03**
PFO3OA	ND	**0.01**	**1.08E-05**	**3.4E-03**
PFO4DA	ND	**1.1E-03**	**3.64E-06**	**1.3E-03**
PFO5DA	ND	ND	**5.20E-07**	**3.3E-04**
PMPA	**1.4E-04**	**2.9E-03**	**8.40E-05**	**4.2E-03**
PEPA	ND	**1.2E-03**	**3.84E-05**	**1.7E-03**
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	**4.1E-05**	**3.04E-06**	**1.9E-04**
R-PSDA	ND	**3.5E-04**	**4.80E-06**	ND
Hydrolyzed PSDA	ND	**3.1E-04**	ND	**3.1E-04**
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	ND	**4.9E-04**	**9.20E-07**	**3.8E-04**
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	**5.0E-05**	**3.96E-07**	**1.2E-04**
R-EVE	ND	**1.3E-04**	**2.64E-06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**9.3E-04**	**0.06**	**3.36E-04**	**0.05**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**9.3E-04**	**0.06**	**3.36E-04**	**0.05**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**9.3E-04**	**0.06**	**3.44E-04**	**0.05**

TABLE B15-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - NOVEMBER 2021
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)	**2.6**			**--**
Instantaneous Flow (ft3/sec)	**--**			**935**
Program	**CAP SW Sampling 11/21**			**CAP SW Sampling 11/21**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1121-GBC-1-110921**			**CAP1121-CFR-TARHEEL-111021**
Sample Date and Time[2]	**11/9/2021**			**11/10/2021**
Sample Delivery Group (SDG)	**320-81663-1**			**320-81667-1**
Lab Sample ID	**320-81663-1**			**320-81667-2**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***				
HFPO-DA	**0.05**	**0.67**	**0.69**	**0.37**
PFMOAA	**0.01**	**3.01**	**3.17**	**0.53**
PFO2HxA	**0.03**	**1.01**	**1.06**	**0.37**
PFO3OA	**5.3E-03**	**0.49**	**0.49**	**0.09**
PFO4DA	**1.6E-03**	**0.56**	**0.55**	ND
PFO5DA	ND	**0.16**	**0.16**	ND
PMPA	**0.06**	**0.90**	**0.90**	**0.71**
PEPA	**0.02**	**0.12**	**0.12**	ND
PS Acid	ND	**0.03**	**0.03**	ND
Hydro-PS Acid	**2.3E-03**	**0.08**	**0.07**	ND
R-PSDA	**3.7E-03**	**0.07**	**0.07**	ND
Hydrolyzed PSDA	ND	**0.27**	**0.27**	**0.21**
R-PSDCA	ND	**4.8E-03**	**4.7E-03**	ND
NVHOS, Acid Form	**3.7E-04**	**0.22**	**0.22**	**0.16**
EVE Acid	ND	**3.0E-03**	**2.9E-03**	ND
Hydro-EVE Acid	ND	**0.05**	**0.05**	ND
R-EVE	**1.8E-03**	**0.03**	**0.03**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.18**	**6.95**	**7.17**	**2.09**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.18**	**7.15**	**7.36**	**2.25**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.19**	**7.56**	**7.77**	**2.44**

TABLE B15-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff**[6]	**Kings Bluff**[6]
Flow (MG)	**570**	--	--
Instantaneous Flow (ft3/sec)	--	**916**	**1,100**
Program	**CAP SW Sampling 11/21**	**CAP SW Sampling 11/21**	**CAP SW Sampling 11/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1121-CFR-TARHEEL-24-111121**	**CAP1121-CFR-BLADEN-111021**	**CAP1121-CFR-KINGS-111721**
Sample Date and Time[2]	**11/11/2021**	**11/10/2021**	**11/17/2021**
Sample Delivery Group (SDG)	**320-81997-1**	**320-81667-1**	**320-81997-1**
Lab Sample ID	**320-81997-2**	**320-81667-1**	**320-81997-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***			
HFPO-DA	**0.32**	**0.34**	**0.44**
PFMOAA	**0.45**	**0.49**	**0.62**
PFO2HxA	**0.35**	**0.34**	**0.47**
PFO3OA	**0.09**	**0.08**	**0.12**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**0.72**	**0.62**	**0.84**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.20**	**0.23**	**0.26**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.15**	**0.18**	**0.19**
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[8,9]	**1.95**	**1.87**	**2.49**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**2.10**	**2.05**	**2.68**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.30**	**2.28**	**2.96**

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

7 - 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.

8 - 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.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B16-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - DECEMBER 2021
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)	750	4.5	4.5	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 12/21	CAP SW Sampling 12/21	CAP SW Sampling 12/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS INFLUENT
Field Sample ID	CAP1221-CFR-RM-76-121421	CAP1221-WC-1-24-121521	CAP1221-OUTFALL-002-24-121521	--
Sample Date and Time[2]	12/14/2021	12/15/2021	12/15/2021	--
Sample Delivery Group (SDG)	320-83103-1	320-83098-1	320-68081-1	--
Lab Sample ID	320-83103-2	320-83098-4	320-68081-2	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.07**	**4.9E-03**	--
PFMOAA	ND	**0.10**	ND	--
PFO2HxA	ND	**0.07**	ND	--
PFO3OA	ND	**0.01**	**3.9E-05**	--
PFO4DA	ND	**2.9E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	ND	**0.07**	**1.4E-03**	--
PEPA	ND	**0.02**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.0E-03**	ND	--
R-PSDA	**0.15**	**5.7E-03**	ND	--
Hydrolyzed PSDA	ND	**0.04**	**1.6E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.25**	**2.4E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.2E-03**	ND	--
R-EVE	ND	**3.3E-03**	**2.0E-05**	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	ND	**0.35**	**5.9E-03**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.25**	**0.35**	**5.9E-03**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.39**	**0.39**	**5.9E-03**	--

TABLE B16-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - DECEMBER 2021
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)	--	--	0.13	0.17	0.07
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	Seep-A FTC	Seep-B FTC	Seep-C FTC
Location ID	--	--	SEEP-A Influent	SEEP-B Influent	SEEP-C Influent
Field Sample ID	--	--	SEEP-A-INFLUENT-336-121521	SEEP-B-INFLUENT-324-121521	SEEP-C-INFLUENT-336-121521
Sample Date and Time[2]	--	--	12/15/2021	12/15/2021	12/15/2021
Sample Delivery Group (SDG)	--	--	320-83154-1	320-83154-1	320-83154-1
Lab Sample ID	--	--	320-83154-7	320-83154-1	320-83154-5
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.60**	**0.64**	**0.08**	**0.15**	**0.03**
PFMOAA	**3.25**	**3.54**	**0.23**	**0.62**	**0.08**
PFO2HxA	**1.02**	**1.11**	**0.14**	**0.24**	**0.04**
PFO3OA	**0.56**	**0.59**	**0.05**	**0.08**	**0.01**
PFO4DA	**0.67**	**0.70**	**0.03**	ND	**0.01**
PFO5DA	**0.20**	**0.20**	**0.02**	ND	ND
PMPA	**0.28**	**0.29**	**0.05**	**0.20**	**0.01**
PEPA	**0.08**	**0.08**	ND	ND	ND
PS Acid	**0.03**	**0.03**	ND	ND	ND
Hydro-PS Acid	**0.09**	**0.09**	ND	ND	**8.0E-04**
R-PSDA	**0.07**	**0.08**	ND	**0.03**	**2.4E-03**
Hydrolyzed PSDA	**0.18**	**0.19**	**0.21**	**0.52**	**3.4E-03**
R-PSDCA	**5.9E-03**	**6.1E-03**	ND	ND	ND
NVHOS, Acid Form	**0.04**	**0.05**	ND	ND	**9.9E-04**
EVE Acid	**3.7E-03**	**3.8E-03**	ND	ND	ND
Hydro-EVE Acid	**0.06**	**0.06**	ND	ND	**2.4E-03**
R-EVE	**0.03**	**0.03**	**0.01**	**0.03**	**3.1E-03**
PES	**6.3E-06**	**8.8E-06**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**6.68**	**7.19**	**0.60**	**1.29**	**0.18**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**6.68**	**7.19**	**0.60**	**1.29**	**0.19**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**7.06**	**7.59**	**0.82**	**1.90**	**0.20**

TABLE B16-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock-Dam North	Old Outfall 002
Flow (MG)	0.12	8.8E-03	1.5E-03	0.34
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	Seep-D FTC	CAP SW Sampling 12/21	CAP SW Sampling 12/21	Old Outfall 002 Treatment System
Location ID	SEEP-D Influent	Lock-Dam Seep	Lock-Dam North	Old Outfall 002 Influent
Field Sample ID	SEEP-D-INFLUENT-330-121421	CAP1221-LOCK-DAM-SEEP-121621	CAP1221-LOCK-DAM-NORTH-121621	Influent-1221-3
Sample Date and Time[2]	12/14/2021	12/16/2021	12/16/2021	12/14/2021
Sample Delivery Group (SDG)	320-83154-1	320-83103-1	320-83098-1	410-66959-1
Lab Sample ID	320-83154-3	320-83103-6	320-83098-6	410-66959-1
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.04**	**2.2E-03**	**1.3E-04**	**0.07**
PFMOAA	**0.14**	**0.02**	**7.8E-05**	**0.28**
PFO2HxA	**0.06**	**0.01**	**9.1E-05**	**0.13**
PFO3OA	**0.02**	**0.00**	**1.9E-05**	**0.03**
PFO4DA	**7.1E-03**	**8.5E-04**	**6.1E-06**	**0.01**
PFO5DA	ND	ND	ND	**6.9E-03**
PMPA	**0.02**	**1.7E-03**	**1.3E-04**	**0.06**
PEPA	ND	ND	**5.7E-05**	**0.02**
PS Acid	ND	ND	ND	**8.8E-03**
Hydro-PS Acid	ND	ND	**6.0E-06**	**3.9E-03**
R-PSDA	**5.5E-03**	**3.3E-04**	**9.8E-06**	**7.0E-03**
Hydrolyzed PSDA	**0.01**	**5.4E-04**	ND	**0.03**
R-PSDCA	ND	ND	ND	**1.2E-04**
NVHOS, Acid Form	**1.9E-03**	**3.1E-04**	**1.6E-06**	**3.9E-03**
EVE Acid	ND	ND	ND	**4.5E-04**
Hydro-EVE Acid	**3.7E-03**	ND	ND	**2.1E-03**
R-EVE	**4.9E-03**	**1.0E-04**	**5.5E-06**	**4.3E-03**
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.29**	**0.03**	**5.2E-04**	**0.63**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.29**	**0.03**	**5.2E-04**	**0.64**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.31**	**0.03**	**5.4E-04**	**0.69**

TABLE B16-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - DECEMBER 2021
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)	**2.5**			**--**
Instantaneous Flow (ft3/sec)	**--**			**1,100**
Program	**CAP SW Sampling 12/21**			**CAP SW Sampling 12/21**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1221-GBC-1-121421**			**CAP1221-CFR-TARHEEL-121521**
Sample Date and Time[2]	**12/14/2021**			**12/15/2021**
Sample Delivery Group (SDG)	**320-83103-1**			**320-83103-1**
Lab Sample ID	**320-83103-3**			**320-83103-5**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***				
HFPO-DA	**0.05**	**1.10**	**1.14**	ND
PFMOAA	**5.2E-03**	**4.71**	**5.01**	**0.56**
PFO2HxA	**0.02**	**1.72**	**1.82**	**0.34**
PFO3OA	**4.3E-03**	**0.78**	**0.81**	**0.09**
PFO4DA	**1.3E-03**	**0.74**	**0.76**	ND
PFO5DA	ND	**0.22**	**0.23**	ND
PMPA	**0.05**	**0.75**	**0.77**	ND
PEPA	**0.02**	**0.14**	**0.15**	ND
PS Acid	ND	**0.04**	**0.04**	ND
Hydro-PS Acid	**1.7E-03**	**0.10**	**0.10**	ND
R-PSDA	**3.0E-03**	**0.27**	**0.27**	**0.15**
Hydrolyzed PSDA	ND	**1.00**	**1.01**	ND
R-PSDCA	ND	**0.01**	**0.01**	ND
NVHOS, Acid Form	**3.1E-04**	**0.30**	**0.31**	**0.31**
EVE Acid	ND	**4.1E-03**	**4.3E-03**	ND
Hydro-EVE Acid	ND	**0.07**	**0.07**	ND
R-EVE	**1.5E-03**	**0.08**	**0.09**	**0.14**
PES	ND	**6.3E-06**	**8.8E-06**	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.15**	**10.2**	**10.7**	**1.00**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.15**	**10.5**	**11.0**	**1.31**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.16**	**12.0**	**12.5**	**1.59**

TABLE B16-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[6]**	**Kings Bluff[6]**
Flow (MG)	**640**	--	--
Instantaneous Flow (ft3/sec)	--	**1,080**	**1,340**
Program	**CAP SW Sampling 12/21**	**CAP SW Sampling 12/21**	**CAP SW Sampling 12/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1221-CFR-TARHEEL-24-121621**	**CAP1221-CFR-BLADEN-121521**	**CAP1221-CFR-KINGS-122021**
Sample Date and Time[2]	**12/16/2021**	**12/15/2021**	**12/20/2021**
Sample Delivery Group (SDG)	**320-83105-1**	**320-83103-1**	**320-83355-1**
Lab Sample ID	**320-83105-4**	**320-83103-4**	**320-83355-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)			
HFPO-DA	**0.15**	**0.07**	**0.11**
PFMOAA	**0.84**	**0.61**	**0.95**
PFO2HxA	**0.39**	**0.37**	**0.49**
PFO3OA	**0.08**	**0.11**	**0.12**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	**0.43**	ND
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	**0.30**	ND
Hydrolyzed PSDA	**0.23**	**0.34**	ND
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.34**	**0.34**	**0.22**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	**0.15**	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**1.46**	**1.59**	**1.67**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**1.79**	**1.93**	**1.90**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.05**	**2.72**	**1.90**

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 December 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 - 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.
7 - 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.
8 - 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.
9 - Total Attachment C does not include Perfluorohepthanoic acid (PFHpA).
10 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed, PSDA, and R-EVE.
Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

TABLE B16-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - DECEMBER 2021
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)	750	4.5	4.5	--
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 12/21	CAP SW Sampling 12/21	CAP SW Sampling 12/21	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP1221-CFR-RM-76-121421	CAP1221-WC-1-24-121521	CAP1221-OUTFALL-002-24-121521	--
Sample Date and Time[2]	12/14/2021	12/15/2021	12/15/2021	--
Sample Delivery Group (SDG)	320-83103-1	320-83098-1	320-83105-1	--
Lab Sample ID	320-83103-2	320-83098-4	320-83105-1	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.07**	**4.9E-03**	--
PFMOAA	ND	**0.10**	ND	--
PFO2HxA	ND	**0.07**	ND	--
PFO3OA	ND	**0.01**	**3.9E-05**	--
PFO4DA	ND	**2.9E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	ND	**0.07**	**1.4E-03**	--
PEPA	ND	**0.02**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.0E-03**	ND	--
R-PSDA	**0.15**	**0.01**	ND	--
Hydrolyzed PSDA	ND	**0.04**	**1.6E-03**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.25**	**2.4E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.2E-03**	ND	--
R-EVE	ND	**3.3E-03**	**2.0E-05**	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	ND	**0.35**	**0.01**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.25**	**0.35**	**0.01**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.39**	**0.39**	**0.01**	--

TABLE B16-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - DECEMBER 2021
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)	--	--	0.13	0.17	0.07
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	--	--	CAP SW Sampling 12/21	CAP SW Sampling 12/21	CAP SW Sampling 12/21
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	CAP1221-SEEP-A-EFF-17-121521	CAP1221-SEEP-B-EFF-24-121521	CAP1221-SEEP-C-EFF-24-121521
Sample Date and Time[2]	--	--	12/15/2021	12/15/2021	12/15/2021
Sample Delivery Group (SDG)	--	--	320-83183-2	320-83098-1	320-83105-1
Lab Sample ID	--	--	320-83183-1	320-83098-1	320-83105-2
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.60**	**0.64**	**4.6E-05**	ND	ND
PFMOAA	**3.25**	**3.54**	**3.8E-04**	**1.6E-04**	**5.2E-05**
PFO2HxA	**1.02**	**1.11**	**9.9E-05**	**4.5E-05**	ND
PFO3OA	**0.56**	**0.59**	**1.2E-05**	ND	ND
PFO4DA	**0.67**	**0.70**	ND	ND	ND
PFO5DA	**0.20**	**0.20**	ND	ND	ND
PMPA	**0.28**	**0.29**	**1.3E-04**	**8.4E-05**	ND
PEPA	**0.08**	**0.08**	ND	ND	ND
PS Acid	**0.03**	**0.03**	ND	ND	ND
Hydro-PS Acid	**0.09**	**0.09**	ND	ND	ND
R-PSDA	**0.07**	**0.08**	ND	ND	ND
Hydrolyzed PSDA	**0.18**	**0.19**	**3.4E-05**	**6.7E-05**	ND
R-PSDCA	**5.9E-03**	**6.1E-03**	ND	ND	ND
NVHOS, Acid Form	**0.04**	**0.05**	ND	ND	ND
EVE Acid	**3.7E-03**	**3.8E-03**	ND	ND	ND
Hydro-EVE Acid	**0.06**	**0.06**	ND	ND	ND
R-EVE	**0.03**	**0.03**	ND	ND	ND
PES	**6.3E-06**	**8.8E-06**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**6.68**	**7.19**	**6.6E-04**	**2.9E-04**	**5.2E-05**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**6.72**	**7.23**	**6.6E-04**	**2.9E-04**	**5.2E-05**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**7.06**	**7.59**	**7.1E-04**	**3.6E-04**	**5.2E-05**

TABLE B16-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock-Dam North	Old Outfall 002
Flow (MG)	0.12	8.8E-03	1.5E-03	0.34
Instantaneous Flow (ft3/sec)	--	--	--	--
Program	CAP SW Sampling 12/21	CAP SW Sampling 12/21	CAP SW Sampling 12/21	CAP SW Sampling 12/21
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP1221-SEEP-D-EFF-24-121521	CAP1221-LOCK-DAM-SEEP-121621	CAP1221-LOCK-DAM-NORTH-121621	CAP1221-OLDOF-1-15-121521
Sample Date and Time[2]	12/15/2021	12/16/2021	12/16/2021	12/15/2021
Sample Delivery Group (SDG)	320-83098-1	320-83103-1	320-83098-1	320-83183-1
Lab Sample ID	320-83098-2	320-83103-6	320-83098-6	320-83183-2
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**2.2E-03**	**1.3E-04**	**2.4E-03**
PFMOAA	**7.6E-05**	**0.02**	**7.8E-05**	**0.01**
PFO2HxA	ND	**0.01**	**9.1E-05**	**3.7E-03**
PFO3OA	ND	**3.7E-03**	**1.9E-05**	**1.2E-03**
PFO4DA	ND	**8.5E-04**	**6.1E-06**	**5.1E-04**
PFO5DA	ND	ND	ND	**1.8E-04**
PMPA	ND	**1.7E-03**	**1.3E-04**	**1.9E-03**
PEPA	ND	ND	**5.7E-05**	**6.6E-04**
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	ND	**6.0E-06**	**8.8E-05**
R-PSDA	ND	**3.3E-04**	**9.8E-06**	**1.8E-04**
Hydrolyzed PSDA	ND	**5.4E-04**	ND	**0.000**
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	ND	**3.1E-04**	**1.6E-06**	**1.8E-04**
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND	**4.8E-05**
R-EVE	ND	**1.0E-04**	**5.5E-06**	**1.5E-04**
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**7.6E-05**	**0.03**	**5.2E-04**	**0.02**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**7.6E-05**	**0.03**	**5.2E-04**	**0.02**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**7.6E-05**	**0.03**	**5.4E-04**	**0.02**

TABLE B16-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - DECEMBER 2021
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)	**2.5**			**--**
Instantaneous Flow (ft3/sec)	**--**			**1,100**
Program	**CAP SW Sampling 12/21**			**CAP SW Sampling 12/21**
Location ID	**GBC-1**			**CFR-TARHEEL**
Field Sample ID	**CAP1221-GBC-1-121421**			**CAP1221-CFR-TARHEEL-121521**
Sample Date and Time[2]	**12/14/2021**			**12/15/2021**
Sample Delivery Group (SDG)	**320-83103-1**			**320-83103-1**
Lab Sample ID	**320-83103-3**			**320-83103-5**
Sample Type	**Grab**			**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***				
HFPO-DA	**0.05**	**0.72**	**0.77**	ND
PFMOAA	**0.01**	**3.38**	**3.68**	**0.56**
PFO2HxA	**0.02**	**1.12**	**1.21**	**0.34**
PFO3OA	**4.3E-03**	**0.59**	**0.61**	**0.09**
PFO4DA	**1.3E-03**	**0.68**	**0.70**	ND
PFO5DA	ND	**0.20**	**0.20**	ND
PMPA	**0.05**	**0.41**	**0.42**	ND
PEPA	**0.02**	**0.12**	**0.13**	ND
PS Acid	ND	**0.03**	**0.03**	ND
Hydro-PS Acid	**1.7E-03**	**0.09**	**0.09**	ND
R-PSDA	**3.0E-03**	**0.23**	**0.23**	**0.15**
Hydrolyzed PSDA	ND	**0.22**	**0.23**	ND
R-PSDCA	ND	**0.01**	**0.01**	ND
NVHOS, Acid Form	**3.1E-04**	**0.30**	**0.30**	**0.31**
EVE Acid	ND	**3.7E-03**	**3.8E-03**	ND
Hydro-EVE Acid	ND	**0.06**	**0.06**	ND
R-EVE	**1.5E-03**	**0.03**	**0.03**	**0.14**
PES	ND	**6.3E-06**	**8.8E-06**	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.15**	**7.25**	**7.76**	**1.00**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.15**	**7.53**	**8.05**	**1.31**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.16**	**8.07**	**8.61**	**1.59**

TABLE B16-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff**[6]	**Kings Bluff**[6]
Flow (MG)	**640**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**1,080**	**1,340**
Program	**CAP SW Sampling 12/21**	**CAP SW Sampling 12/21**	**CAP SW Sampling 12/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP1221-CFR-TARHEEL-24-121621**	**CAP1221-CFR-BLADEN-121521**	**CAP1221-CFR-KINGS-122021**
Sample Date and Time[2]	**12/16/2021**	**12/15/2021**	**12/20/2021**
Sample Delivery Group (SDG)	**320-83105-1**	**320-83103-1**	**320-83355-1**
Lab Sample ID	**320-83105-4**	**320-83103-4**	**320-83355-1**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[7] ***(mg/s)***			
HFPO-DA	**0.15**	**0.07**	**0.11**
PFMOAA	**0.84**	**0.61**	**0.95**
PFO2HxA	**0.39**	**0.37**	**0.49**
PFO3OA	**0.08**	**0.11**	**0.12**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	**0.43**	ND
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	**0.30**	ND
Hydrolyzed PSDA	**0.23**	**0.34**	ND
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.34**	**0.34**	**0.22**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	**0.15**	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**1.46**	**1.59**	**1.67**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**1.79**	**1.93**	**1.90**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**2.05**	**2.72**	**1.90**

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 December 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 - 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.

7 - 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.

8 - 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.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B17
CAPE FEAR RIVER TOTAL PFAS RELATIVE MASS DISCHARGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	October 2021				November 2021				December 2021			
	Total Attachment C[2]		Total Table 3+ (20 Compounds)		Total Attachment C[2]		Total Table 3+ (20 Compounds)		Total Attachment C[2]		Total Table 3+ (20 Compounds)	
	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper
[1] Upstream River Water and Groundwater	4%	4%	5%	5%	4%	4%	6%	6%	<1%	<1%	3%	3%
[2] Willis Creek	5%	5%	5%	5%	4%	4%	4%	4%	3%	3%	3%	3%
[3] Aerial Deposition on Water Features	<1%	<1%	<1%	<1%	<1%	<1%	*<1%*	*<1%*	<1%	<1%	<1%	<1%
[4] Outfall 002	<1%	<1%	<1%	<1%	<1%	<1%	*<1%*	*<1%*	<1%	<1%	<1%	<1%
Outfall 002 (After Remedies)	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]	*--*[3]
[5] Onsite Groundwater	52%	53%	50%	51%	44%	45%	42%	43%	65%	67%	58%	60%
[6] Seeps	27%	26%	28%	27%	34%	34%	35%	35%	23%	22%	27%	26%
Seeps (After Remedies)[4]	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*
[7] Old Outfall 002	9%	8%	8%	8%	10%	10%	9%	9%	6%	6%	6%	5%
Old Outfall 002 (After Remedies)[5]	*1%*	*1%*	*1%*	*1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*	*<1%*
[8] Offsite Adjacent and Downstream Groundwater	1%	1%	2%	2%	2%	2%	2%	2%	<1%	<1%	1%	1%
[9] Georgia Branch Creek	2%	2%	2%	2%	1%	1%	1%	1%	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, 9A, and 10A). 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 October, November and December 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 October to December 2021 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D, Lock and Dam Seep and Lock and Dam North (Tables 8B, 9B, and 10B).

5 - The Old Outfall 002 (After Remedies) relative contributions for October to December 2021 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables 8B, 9B, and 10B).

Appendix C

Field Forms

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	MATT SCHEUER|VALERIA GOFIGAN-MCKENNA|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-20-2021	Time:	10:30	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				
CAP1021-CFR-BLADEN-102021	10-20-2021 10:55		8.11	7.17	-5.50	8.74	295.38	21.64	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7	Distance to River Right:	36
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	36
Total Depth to Bottom of Channel (ft):	14	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

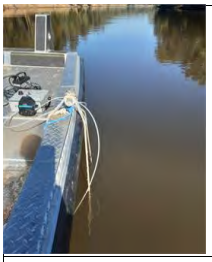
ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: --
Longitude: --



Sample Location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|TAYLOR CRITTENDEN|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-26-2021	Time:	12:42	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				
CAP1021-CFR-KINGS-102621	10-26-2021 12:50		7.30	6.71	124.70	10.50	101.18	23.38	Clear, yellow tint	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8.5	Distance to River Right:	58
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	44
Total Depth to Bottom of Channel (ft):	17	Multi Meter ID:	706770	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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD(HOLD)

WEATHER CONDITIONS

Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	16

Latitude:	34.406527
Longitude:	-78.2946245

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:	MATT SCHEUER|VALERIA GOFIGAN-MCKENNA|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-20-2021	Time:	11:15	General Comments:	Also Collected 24hr Composite sample: CAP1021-CFR-TARHEEL-24-102121, 4:24 10/20/21- 3:24 10/21/21.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1021-CFR-TARHEEL-102021	10-20-2021 11:50		7.60	7.03	51.50	11.44	265.97	23.26	Cloudy	N/A		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7	Distance to River Right:	18
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	49
Total Depth to Bottom of Channel (ft):	14	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

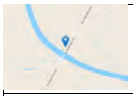
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude: 34.7456564
Longitude: -78.7854628



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	LUIS TORRES|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	14:25	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				
CAP1021-GBC-1-101921	10-19-2021 14:55		4.69	6.78	216.70	4.57	0.35	24.71	Cloudy	No		

Sampling Data

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

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: --
Longitude: --

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM-NORTH	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	12:05	General Comments:	Flow taken using bucket method. 3 readings were taken. Average reading was 225 ml in 2 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				
CAP1021-LOCK-DAM-NORTH-101921	10-19-2021 12:15		6.19	4.30	147.50	20.60	195.94	24.41	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	6.75
		Multi Meter ID:	706751	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)

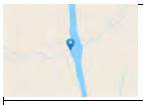
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.833776
Longitude:	-78.8235399



GPS Location (if collected)

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

Sample/flow location

Whole seep.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM-SEEP	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	11:30	General Comments:	Flow measured using bucket method. 3 readings taken. Average of 5.5 liters in 10 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				
CAP1021-LOCK-DAM-SEEP-101921	10-19-2021	11:45	6.40	5.48	156.60	23.50	152.05	18.38	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	33
		Multi Meter ID:	706751	Flow Rate Units:	L/min

SAMPLE SET

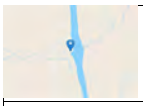
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.8338716
Longitude: -78.8236839



GPS Location (if collected)

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

Sample/FLow location.

Sample/FLow location.

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|MATT SCHEUER	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-05-2021 Time: 14:45

WATER VOLUME CALCULATION

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

Water Volume = 2.003

Initial Depth to Water (ft.): 16.48 Depth to Well Bottom (ft.): 29

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:00	16.94	280.00	1400.00	4.22	0.36	132.50	5.09	116.88	21.72	Clearish	Na	
15:05	17.13	280.00	1400.00	3.88	0.13	160.50	5.53	117.77	20.57	Clear	Na	
15:10	17.15	280.00	1400.00	3.86	0.11	178.50	5.24	117.94	20.51	Clear	Na	
15:15	17.16	280.00	1400.00	3.85	0.12	198.80	10.10	119.89	20.19	Clear	Na	
15:20	17.16	280.00	1400.00	3.8	0.26	241.50	5.91	123.90	20.23	Clear	Na	
15:25	17.11	280.00	1400.00	3.81	0.28	266.10	3.95	124.22	20.61	Clear	Na	
15:30	17.11	280.00	1400.00	3.84	0.24	266.30	3.37	123.53	20.52	Clear	Na	
15:35	17.13	280.00	1400.00	3.85	0.20	264.50	3.50	122.48	20.55	Clear	Na	
15:40	17.12	280.00	1400.00	3.86	0.18	262.50	5.16	122.37	20.91	Clear	Na	
15:45	17.12	280.00	1400.00	3.87	0.17	259.90	3.70	121.87	20.79	Clear	Na	
15:50	17.12	280.00	1400.00	3.87	0.17	260.20	6.81	121.88	20.33	Clear	Na	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-05-2021 Time: 15:55
Field Filtered: No

Purge Start Time: 14:55
Total Volume Purged (mL): 15400

Field Parameters

STABILIZED PARAMETERS	
pH	3.87
Spec. Cond.(µS/cm)	121.88
Turbidity (NTU)	6.81
Temp.(°C)	20.33
DO (mg/L)	0.17
ORP (mV)	260.20

Screen Interval: 11.0-26.0

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

Sample ID: CAP1021-LTW-01-100521
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	93.00
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:	LTW-02	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|MATT SCHEUER	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 36
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-05-2021 Time: 13:15

WATER VOLUME CALCULATION

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

Water Volume = 5.102

Initial Depth to Water (ft.): 9.11 Depth to Well Bottom (ft.): 41

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:55	9.21	280.00	1400.00	6.19	0.08	-39.65	3.14	89.33	21.37	Clear	No	
14:00	9.23	280.00	1400.00	4.3	0.07	-11.70	1.89	80.72	20.83	Clear	No	
14:05	9.24	280.00	1400.00	4.35	0.06	-42.20	0.64	80.44	20.20	Clear	No	
14:10	9.25	280.00	1400.00	4.4	0.05	-4.40	0.48	80.51	20.19	Clear	No	
14:15	9.25	280.00	1400.00	4.42	0.05	-24.70	0.40	80.46	19.89	Clear	No	
14:20	9.25	280.00	1400.00	4.41	0.04	-15.90	0.46	80.17	19.95	Clear	No	
14:25	9.26	280.00	1400.00	4.48	0.04	-34.80	0.22	80.79	20.01	Clear	No	
14:30	9.26	280.00	1400.00	4.46	0.04	-38.10	0.29	80.24	19.98	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-05-2021 Time: 14:35
Field Filtered: No

Purge Start Time: 13:50
Total Volume Purged (mL): 11200

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	80.24
Turbidity (NTU)	0.29
Temp.(°C)	19.98
DO (mg/L)	0.04
ORP (mV)	-38.10

Screen Interval: 28.0-38.0

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

Sample ID: CAP1021-LTW-02-100521
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	92.00
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:	LTW-03	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|SHARON MORAN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-25-2021 Time: 09:54

WATER VOLUME CALCULATION

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

Water Volume = 3.165

Initial Depth to Water (ft.): 12.99 Depth to Well Bottom (ft.): 32.77

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			
10:05	12.99	300.00	1500.00	4.31	0.74	195.20	25.50	93.86	18.74	Clear	No	
10:10	13.54	300.00	1500.00	4.12	0.15	196.30	13.80	93.09	18.52	Clear	No	
10:15	13.78	300.00	1500.00	4.12	0.15	189.00	5.40	93.16	18.02	Clear	No	
10:20	13.91	300.00	1500.00	4.13	0.16	185.30	3.43	87.20	17.96	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-25-2021 Time: 10:20
Field Filtered: No

Purge Start Time: 10:00
Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	4.13
Spec. Cond.(µS/cm)	87.20
Turbidity (NTU)	3.43
Temp.(°C)	17.96
DO (mg/L)	0.16
ORP (mV)	185.30

Screen Interval: 15.0-30.0

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

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

Sample ID: CAP1021-LTW-03-102521
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Cloudy
Precipitation:	
Wind (mph)	0

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:	LUKE TART|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-11-2021 Time: 08:59

WATER VOLUME CALCULATION

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

Water Volume = 3.264

Initial Depth to Water (ft.): 7.88 Depth to Well Bottom (ft.): 28.28

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:25	9.21	290.00	1450.00	4.51	0.13	116.30	11.70	73.90	19.07	Clear	None	
09:30	10.77	290.00	1450.00	4.54	0.09	110.90	9.48	70.79	19.09	Clear	None	
09:35	11.52	250.00	1250.00	4.62	0.09	100.50	9.36	68.06	19.18	Clear	None	
09:40	11.86	220.00	1100.00	4.68	0.09	98.60	9.63	67.05	19.22	Clear	None	
09:45	12.16	220.00	1100.00	4.75	0.09	91.60	9.65	66.05	19.28	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-11-2021 Time: 09:45
Field Filtered: No

Purge Start Time: 09:20
Total Volume Purged (mL): 6350

Field Parameters

STABILIZED PARAMETERS	
pH	4.75
Spec. Cond.(µS/cm)	66.05
Turbidity (NTU)	9.65
Temp.(°C)	19.28
DO (mg/L)	0.09
ORP (mV)	91.60

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: CAP1021-LTW-04-101121
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	67.00
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-05 | Well Diameter: 2 Inches

Samplers: LUIS TORRES|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-12-2021 | Time: 11:40

WATER VOLUME CALCULATION

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

Water Volume = 6.11

Initial Depth to Water (ft.): 9.08 | Depth to Well Bottom (ft.): 47.27

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:40	9.27	160.00	0.00	4.13	0.49	128.20	9.38	100.33	19.83	Clear	No	
11:45	9.25	160.00	800.00	4.03	0.27	128.40	7.21	94.16	19.70	Clear	No	
11:50	9.25	160.00	800.00	4.05	0.17	123.40	8.33	92.28	19.65	Clear	No	
11:55	9.25	160.00	800.00	4.08	0.09	115.40	9.22	89.83	19.59	Clear	No	
12:00	9.25	160.00	800.00	4.13	0.09	106.00	8.96	88.55	19.65	Clear	No	
12:05	9.25	160.00	800.00	4.15	0.07	101.10	8.79	87.04	19.60	Clear	No	
12:10	9.25	160.00	800.00	4.17	0.07	96.30	11.70	86.30	19.62	Clear	No	
12:15	9.25	160.00	800.00	4.19	0.07	91.00	12.70	86.25	19.62	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-12-2021 | Time: 12:15

Field Filtered: No

Purge Start Time: 11:40

Total Volume Purged (mL): 5600

Field Parameters

STABILIZED PARAMETERS	
pH	4.19
Spec. Cond.(µS/cm)	86.25
Turbidity (NTU)	12.70
Temp.(°C)	19.62
DO (mg/L)	0.07
ORP (mV)	91.00

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: CAP1021-LTW-05-101221

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	7

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:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	15:38	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				
CAP1021-OLDOF-1-24-102021	10-20-2021 12:06		6.94	7.96	127.80	14.10	158.93	22.16	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 13:06	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 12:06	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)

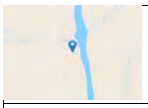
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8317524
Longitude:	-78.8238547



GPS Location (if collected)

ISCO

Sample location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	14:15	General Comments:	Plant turnaround in progress, all systems may not currently be on.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1021-OUTFALL-002-24-102021	10/20/2021 13:22		6.59	7.53	214.80	25.20	213.06	26.76	Clear	No		Debris from vegetation clearing caught in intake line and clogged ISCO. Restarted sample at 14:22.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10/19/2021 14:22	Multi Meter ID:	706751
ISCO End Date and Time:	10/20/2021 13:22	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

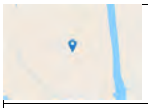
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8383181
Longitude:	-78.8286351



GPS Location (if collected)

ISCO at outfall.

Outfall.

PARSONS

RECORD OF WELL SAMPLING

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

Samplers: LUKE TART|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 26

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-11-2021 | Time: 12:50

WATER VOLUME CALCULATION

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

Water Volume = 2.086

Initial Depth to Water (ft.): 18.48 | Depth to Well Bottom (ft.): 31.52

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	18.55	200.00	600.00	3.56	0.22	118.40	35.30	143.12	18.17	Clear	None	
13:10	18.53	200.00	1000.00	3.55	0.17	117.40	58.70	143.77	18.57	Clear	None	
13:15	18.53	200.00	1000.00	3.56	0.12	115.60	65.00	143.61	18.58	Clear	None	
13:20	18.51	170.00	850.00	3.57	0.11	113.80	45.20	146.67	18.86	Clear	None	
13:25	18.51	170.00	850.00	3.57	0.10	113.60	40.20	142.18	18.82	Clear	None	
13:30	18.50	170.00	850.00	3.58	0.08	112.60	19.90	141.64	18.85	Clear	None	
13:35	18.51	170.00	850.00	3.58	0.08	112.10	14.90	141.18	18.93	Clear	None	
13:40	18.51	170.00	850.00	3.58	0.08	111.70	11.00	140.99	18.86	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-11-2021 | Time: 13:40

Field Filtered: No

Purge Start Time: 13:02

Total Volume Purged (mL): 6850

Field Parameters

STABILIZED PARAMETERS	
pH	3.58
Spec. Cond.(µS/cm)	140.99
Turbidity (NTU)	11.00
Temp.(°C)	18.86
DO (mg/L)	0.08
ORP (mV)	111.70

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: CAP1021-PIW-1D-101121

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Cloudy
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:	PIW-1S	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21.5
Pump Loc: --
Method: Peristaltic Pump Date: 10-11-2021 Time: 14:00

WATER VOLUME CALCULATION

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

Water Volume = 0.106

Initial Depth to Water (ft.): 21.09 Depth to Well Bottom (ft.): 21.75

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			
14:05	21.60	160.00	--	4.02	2.58	128.40	17.20	184.16	19.56	No	No	Well went dry.
--	--	--	--	--	--	--	--	--	--	--	--	Sampled upon well recharge

Sampling Data

Zero HS: --
Method: Purged Dry Date: 10/11/2021 Time: 14:05
Field Filtered: No
Purge Start Time: --
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	4.02
Spec. Cond.(µS/cm)	184.16
Turbidity (NTU)	17.20
Temp.(°C)	19.56
DO (mg/L)	2.58
ORP (mV)	128.40

Screen Interval: 7.8 - 17.8

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP1021-PIW-1S-101121
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	67.00
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: PIW-3D | Well Diameter: 2 Inches

Samplers: JENNESSA PETERSON|LUIS TORRES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 22

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-11-2021 | Time: 13:25

WATER VOLUME CALCULATION

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

Water Volume = 1.518

Initial Depth to Water (ft.): 17.31 | 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			
13:25	17.56	400.00	0.00	4.05	0.24	91.70	17.30	89.29	18.25	Clear	None	
13:30	17.57	400.00	2000.00	4.14	0.14	61.00	9.39	89.31	18.15	Clear	None	
13:35	17.56	400.00	2000.00	4.24	0.06	22.00	8.67	87.61	17.99	Clear	None	
13:40	17.56	400.00	2000.00	4.26	0.05	14.20	4.10	87.39	18.00	Clear	None	
13:45	17.57	400.00	2000.00	4.31	0.04	9.60	5.61	87.27	17.96	Clear	None	
13:50	17.57	400.00	2000.00	4.3	0.04	8.30	5.01	87.10	17.97	Clear	None	
13:55	17.57	400.00	2000.00	4.29	0.03	8.20	6.63	87.25	17.93	Clear	None	
14:00	17.56	400.00	2000.00	4.29	0.03	9.50	7.11	86.66	17.93	Clear	None	
14:05	17.56	400.00	2000.00	4.3	0.03	9.20	8.97	86.47	18.00	Clear	None	
14:10	17.56	400.00	2000.00	4.3	0.03	10.00	9.86	86.01	18.00	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-11-2021 | Time: 14:10

Field Filtered: No

Purge Start Time: 13:25

Total Volume Purged (mL): 18000

Field Parameters

STABILIZED PARAMETERS	
pH	4.30
Spec. Cond.(µS/cm)	86.01
Turbidity (NTU)	9.86
Temp.(°C)	18.00
DO (mg/L)	0.03
ORP (mV)	10.00

Screen Interval: 19 - 24

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

Sample ID: CAP1021-PIW-3D-101121

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

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: JENNESSA PETERSON|LUIS TORRES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 35

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-11-2021 | Time: 08:49

WATER VOLUME CALCULATION

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

Water Volume = 5.093

Initial Depth to Water (ft.): 5.24 | Depth to Well Bottom (ft.): 37.07

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			
09:10	5.27	300.00	1800.00	4.13	0.13	115.90	5.19	92.84	18.74	Clear	None	
09:15	5.28	300.00	1500.00	3.91	0.10	106.50	4.24	92.03	18.62	Clear	None	
09:20	5.28	300.00	1500.00	3.95	0.09	87.50	4.01	91.57	18.51	Clear	None	
09:25	5.29	300.00	1500.00	3.9	0.06	92.40	6.53	91.59	18.51	Clear	None	
09:30	5.28	300.00	1500.00	3.88	0.06	114.50	12.35	92.84	18.46	Clear	None	
09:35	5.28	300.00	1500.00	3.9	0.06	91.70	12.80	92.48	18.46	Clear	None	
09:40	5.28	300.00	1500.00	3.88	0.05	140.00	12.45	92.75	18.40	Clear	None	
09:45	5.28	300.00	1500.00	3.9	0.05	132.50	13.50	92.56	18.42	Clear	None	
09:50	5.28	300.00	1500.00	3.9	0.05	112.30	13.72	93.81	18.32	Clear	None	
09:55	5.28	300.00	1500.00	3.93	0.04	109.80	12.60	93.10	18.36	Clear	None	
10:00	5.28	300.00	1500.00	3.91	0.06	91.20	13.74	94.08	18.39	Clear	None	
10:05	5.28	300.00	1500.00	3.91	0.05	96.40	16.22	94.04	18.28	Clear	None	
10:10	5.28	300.00	1500.00	3.93	0.05	89.40	17.51	95.38	18.36	Clear	Na	
10:15	5.20	300.00	1500.00	3.92	0.05	95.20	23.28	94.53	18.34	Clear	None	
10:20	5.29	300.00	1500.00	3.94	0.04	113.60	26.23	95.29	18.26	Clear	None	
10:25	5.29	300.00	1200.00	3.92	0.04	116.70	16.90	95.07	18.27	Clear	None	
10:30	5.29	300.00	1500.00	3.95	0.06	104.30	23.01	94.19	18.30	Clear	None	
10:35	5.28	240.00	1200.00	4.04	0.05	99.30	17.63	95.06	18.58	Clear	None	
10:40	5.28	240.00	1200.00	4.03	0.05	94.80	16.75	96.23	18.59	Clear	None	
10:45	5.20	240.00	1200.00	4.06	0.07	86.40	20.23	95.27	18.63	Clear	None	
10:50	5.28	240.00	1200.00	4.04	0.05	86.60	29.40	95.40	18.62	Clear	None	
10:55	5.28	240.00	1200.00	4.05	0.06	83.70	17.80	96.92	18.70	None	Clear	
11:00	5.28	240.00	1200.00	4.06	0.06	81.00	18.76	96.67	18.63	Clear	None	
11:05	5.28	240.00	1200.00	4.07	0.06	74.00	11.74	95.82	18.59	Clear	None	
11:10	5.28	240.00	1200.00	4.03	0.06	72.20	13.87	96.35	18.63	Clear	None	
11:15	5.28	240.00	1200.00	4.08	0.06	75.30	16.60	95.92	18.77	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-11-2021 | Time: 11:15

Field Filtered: No

Purge Start Time: 09:04

Total Volume Purged (mL): 36300

Field Parameters

STABILIZED PARAMETERS	
pH	4.08
Spec. Cond.(µS/cm)	95.92
Turbidity (NTU)	16.60
Temp.(°C)	18.77
DO (mg/L)	0.06
ORP (mV)	75.30

Screen Interval: 29 - 34

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP1021-PIW-7D-101121

DuplicateID:

QA/QC:

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	10

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:	JENNESSA PETERSON|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 15
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-11-2021 Time: 11:35

WATER VOLUME CALCULATION

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

Water Volume = 2.419

Initial Depth to Water (ft.): 5.11 Depth to Well Bottom (ft.): 20.23

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:35	5.70	300.00	0.00	5.39	0.15	24.10	61.59	126.77	19.75	Clear	None	
11:40	5.61	300.00	1500.00	5.36	0.10	-11.00	43.81	128.23	19.30	Clear	None	
11:45	5.62	300.00	1500.00	5.38	0.07	-32.90	19.03	130.61	19.02	Clear	None	
11:50	5.64	300.00	1500.00	5.46	0.05	-53.90	34.96	133.04	19.00	Clear	None	
11:55	5.64	300.00	1500.00	5.45	0.04	-66.60	25.60	132.97	18.79	Clear	None	
12:00	5.64	300.00	1500.00	5.51	0.04	-79.30	12.03	131.55	18.79	Clear	None	
12:05	5.65	300.00	1500.00	5.54	0.06	-80.10	7.24	128.61	18.85	Clear	None	
12:10	5.66	300.00	1500.00	5.54	0.05	-81.40	5.48	128.44	18.84	Clear	None	
12:15	5.65	300.00	1500.00	5.58	0.04	-82.30	5.90	127.82	18.83	Clear	None	
12:20	5.65	300.00	1500.00	5.56	0.04	-77.50	3.12	125.67	18.85	Clear	None	
12:25	5.65	300.00	1500.00	5.62	0.03	-77.80	3.29	125.65	18.84	Clear	Na	
12:30	5.65	300.00	1500.00	5.59	0.03	-75.60	4.34	125.32	18.99	Clear	None	
12:35	5.65	300.00	1500.00	5.6	0.03	-71.30	3.76	124.04	18.75	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-11-2021 Time: 12:35
Field Filtered: No

Purge Start Time: 11:35
Total Volume Purged (mL): 18000

Field Parameters

STABILIZED PARAMETERS	
pH	5.60
Spec. Cond.(µS/cm)	124.04
Turbidity (NTU)	3.76
Temp.(°C)	18.75
DO (mg/L)	0.03
ORP (mV)	-71.30

Screen Interval: 7 - 17

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

Sample ID: CAP1021-PIW-7S-101121
DuplicateID:
QA/QC:

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

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:	PW-04	Well Diameter:	2 Inches
Samplers:	JENNESSA PETERSON|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-13-2001 Time: 14:50

WATER VOLUME CALCULATION

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

Water Volume = 0.634

Initial Depth to Water (ft.): 26.84 Depth to Well Bottom (ft.): 30.8

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			
15:15	27.45	200.00	800.00	3.55	0.33	306.60	22.30	239.30	23.62	Clear	None	
15:20	27.63	120.00	600.00	3.38	0.23	368.80	13.68	208.96	24.63	Clear	None	
15:25	28.17	120.00	600.00	3.38	0.28	390.90	17.52	189.89	24.29	Clear	None	
15:30	28.46	120.00	600.00	3.41	0.31	377.50	19.72	189.92	23.70	Clear	None	
15:35	28.88	120.00	600.00	3.45	0.32	363.40	27.26	211.11	24.42	Clear	None	
15:40	29.05	120.00	600.00	3.5	0.32	334.40	33.37	258.42	24.83	Clear	None	
15:45	29.21	120.00	600.00	3.54	0.30	323.70	17.69	277.24	24.98	Clear	None	
15:50	29.40	120.00	600.00	4.57	0.25	319.00	12.27	282.07	25.20	Clear	None	
15:55	20.52	120.00	600.00	3.6	0.27	316.60	13.33	276.50	25.46	Clear	None	
15:00	29.65	120.00	600.00	3.61	0.28	310.60	12.48	278.71	25.56	Clear	None	
16:05	29.92	120.00	600.00	3.62	0.37	305.90	8.17	271.98	24.52	Clear	None	Well Went dry, will sample recharge.

Sampling Data

Zero HS: --
Method: Low-Flow Date: 10/13/2021 Time: 16:05
Field Filtered: No

Purge Start Time: 15:11
Total Volume Purged (mL): 6800

Field Parameters

STABILIZED PARAMETERS	
pH	3.62
Spec. Cond.(µS/cm)	271.98
Turbidity (NTU)	8.17
Temp.(°C)	24.52
DO (mg/L)	0.37
ORP (mV)	305.90

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

Sample ID: CAP1021-PW-04-101321
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

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-04 | Well Diameter: 2 Inches

Samplers: LUIS TORRES|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-12-2021 | Time: 14:15

WATER VOLUME CALCULATION

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

Water Volume = 0.637

Initial Depth to Water (ft.): 26.82 | Depth to Well Bottom (ft.): 30.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:25	27.27	300.00	0.00	3.71	2.61	144.70	18.70	128.79	22.50	Clear	No	
14:30	27.41	200.00	1000.00	3.59	0.28	146.60	12.80	131.72	20.50	Clear	No	
14:35	28.05	200.00	1000.00	3.66	0.17	148.30	8.36	110.14	20.47	Clear	No	
14:40	28.52	100.00	500.00	3.65	0.20	144.30	18.90	148.62	20.64	Clear	No	
14:45	28.76	100.00	500.00	3.65	0.24	143.40	34.60	181.30	21.39	Clear	No	
14:50	28.89	100.00	500.00	3.6	0.19	143.90	36.80	199.95	21.17	Clear	No	
14:55	28.91	100.00	500.00	3.59	0.72	144.50	22.70	205.23	21.88	Clear	No	
15:25	28.18	--	0.00	3.61	1.10	169.20	204.00	229.92	21.56	Clear	No	Well went dry, reading from recharged well.

Sampling Data

Zero HS: --

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

Field Filtered: --

Purge Start Time: 14:25

Total Volume Purged (mL): 1100

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):	73.00
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: LUIS TORRES|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 25

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-12-2021 | Time: 12:57

WATER VOLUME CALCULATION

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

Water Volume = 2.174

Initial Depth to Water (ft.): 19.25 | Depth to Well Bottom (ft.): 32.84

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			
13:10	20.65	300.00	1500.00	4.12	5.22	113.90	2.05	41.88	19.66	Clear	No	
13:15	20.88	300.00	1500.00	4.16	3.55	104.70	1.38	39.23	19.41	Clear	No	
13:20	20.99	300.00	1500.00	4.19	3.22	92.40	1.14	40.62	19.38	Clear	No	
13:25	21.03	300.00	1500.00	4.2	2.75	94.70	1.03	39.87	19.22	Clear	No	
13:30	21.03	300.00	1500.00	4.21	3.04	90.20	0.96	40.32	19.18	Clear	No	
13:35	21.03	300.00	1500.00	4.26	2.97	86.70	0.79	40.23	19.24	Clear	No	
13:40	21.04	300.00	1500.00	4.25	2.96	88.90	0.87	39.86	19.22	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-12-2021 | Time: 13:40

Field Filtered: No

Purge Start Time: 13:05

Total Volume Purged (mL): 10500

Field Parameters

STABILIZED PARAMETERS	
pH	4.25
Spec. Cond.(µS/cm)	39.86
Turbidity (NTU)	0.87
Temp.(°C)	19.22
DO (mg/L)	2.96
ORP (mV)	88.90

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)

Sample ID: CAP1021-PW-06-101221

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Cloudy
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:	PW-07	Well Diameter:	2 Inches
Samplers:	LUKE TART|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 41.7
Pump Loc: bottom of well
Method: Double valve pump Date: 10-25-2021 Time: 09:45

WATER VOLUME CALCULATION

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

Water Volume = 0.47

Initial Depth to Water (ft.): 38.84 Depth to Well Bottom (ft.): 41.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	41.78	--	--	5.7	9.64	153.40	95.70	46.95	20.06	Cloudy	No	
14:14	--	--	--	--	--	--	--	--	--	--	--	Returning to well to continue purge.
14:25	40.02	60.00	660.00	4.63	7.48	173.90	38.50	26.88	24.47	Clear	No	
14:30	40.85	60.00	300.00	4.71	7.46	178.20	10.80	21.27	23.63	Clear	No	
14:35	39.70	60.00	300.00	4.69	7.39	183.70	5.02	21.05	23.16	Clear	No	
14:40	39.78	60.00	300.00	4.67	7.36	188.20	3.09	20.75	23.50	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-25-2021 Time: 14:40
Field Filtered: No

Purge Start Time: 10:42
Total Volume Purged (mL): 1560

Field Parameters

STABILIZED PARAMETERS	
pH	4.67
Spec. Cond.(µS/cm)	20.75
Turbidity (NTU)	3.09
Temp.(°C)	23.50
DO (mg/L)	7.36
ORP (mV)	188.20

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: CAP1021-PW-07-102521
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	72.00
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-09 | Well Diameter: 2 Inches

Samplers: LUKE TART|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 49.5

Pump Loc: within screen

Method: Double valve pump | Date: 10-27-2021 | Time: 11:20

WATER VOLUME CALCULATION

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

Water Volume = 5.214

Initial Depth to Water (ft.): 25.09 | Depth to Well Bottom (ft.): 57.68

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:25	26.03	200.00	1000.00	10.99	1.26	72.60	47.90	360.96	16.78	Cloudy	No	
11:30	27.17	300.00	1500.00	11.14	0.93	58.40	53.20	414.37	17.02	Cloudy	No	
11:35	27.94	300.00	1500.00	11.25	0.75	47.30	35.60	477.68	17.15	Clear	No	
11:40	28.49	300.00	1500.00	11.29	0.63	28.50	32.10	489.16	17.11	Clear	No	
11:45	28.76	300.00	1500.00	11.27	0.54	9.60	49.10	431.68	17.28	Cloudy	No	
11:50	28.95	300.00	1500.00	9.65	0.18	0.90	125.00	154.77	17.39	Cloudy	No	
11:55	29.05	300.00	1500.00	9.42	0.13	-34.10	116.00	139.11	17.29	Cloudy	No	
12:00	29.10	300.00	1500.00	9.11	0.09	-65.90	103.00	125.78	17.36	Cloudy	No	
12:05	29.10	300.00	1500.00	8.81	0.07	-132.00	98.20	117.65	17.48	Cloudy	No	
12:10	29.10	300.00	1500.00	8.65	0.05	-212.30	90.20	112.79	17.54	Cloudy	No	
12:15	29.10	300.00	1500.00	8.32	0.05	-209.80	86.60	108.25	17.49	Cloudy	No	
12:20	29.10	300.00	1500.00	7.94	0.06	-175.00	77.90	105.39	17.41	Cloudy	No	
12:25	29.10	300.00	1500.00	7.71	0.06	-157.20	75.30	102.39	17.37	Cloudy	No	
12:30	29.47	400.00	2000.00	9.24	0.37	-226.20	78.20	114.20	17.35	Cloudy	No	
12:35	29.98	400.00	2000.00	8.86	0.28	-190.70	60.30	109.14	17.27	Cloudy	No	
12:40	30.38	400.00	2000.00	8.53	0.16	-228.00	68.40	103.39	17.32	Cloudy	No	
12:45	30.56	400.00	2000.00	7.8	0.13	-171.30	74.50	97.46	17.35	Cloudy	No	
12:50	30.64	400.00	2000.00	7.38	0.11	-133.10	64.00	94.15	17.35	Cloudy	No	
12:55	30.76	400.00	2000.00	7.3	0.09	-125.40	66.20	91.87	17.42	Cloudy	No	
13:00	30.78	400.00	2000.00	7.17	0.08	-119.50	61.40	90.60	17.49	Cloudy	No	
13:05	30.81	400.00	2400.00	6.97	0.08	-108.40	57.60	88.28	17.43	Cloudy	No	
13:10	30.86	400.00	2000.00	6.97	0.07	-109.60	54.10	86.70	17.41	Cloudy	No	
13:15	30.86	400.00	2000.00	6.89	0.06	-107.30	51.30	85.90	17.44	Cloudy	No	
13:20	30.85	400.00	2000.00	6.79	0.06	-103.80	51.20	85.23	17.40	Cloudy	No	
13:25	30.82	400.00	2000.00	6.74	0.05	-102.30	48.30	84.32	17.40	Cloudy	No	
13:30	30.82	400.00	2000.00	6.78	0.06	-107.60	45.20	83.09	17.44	Cloudy	No	
13:35	30.82	400.00	2000.00	6.69	0.07	-103.40	43.90	82.40	17.42	Cloudy	No	
13:40	30.82	400.00	2000.00	6.64	0.10	-102.60	41.40	81.92	17.42	Cloudy	No	
13:45	30.84	400.00	2000.00	6.63	0.13	-103.70	42.70	81.41	17.42	Cloudy	No	
13:50	30.84	400.00	2000.00	6.68	0.15	-106.80	39.80	80.96	17.42	Cloudy	No	
13:55	30.84	400.00	2000.00	6.63	0.17	-104.50	44.10	80.97	17.42	Cloudy	No	
14:00	30.84	400.00	2000.00	6.73	0.17	-109.70	42.40	80.52	17.43	Cloudy	No	
14:05	30.84	400.00	2000.00	6.71	0.19	-108.20	37.60	80.40	17.43	Cloudy	No	
14:10	30.84	400.00	2000.00	6.7	0.17	-103.40	37.90	79.53	17.45	Cloudy	No	
14:15	30.84	400.00	2000.00	6.68	0.18	-109.00	36.60	79.44	17.43	Cloudy	No	
14:20	30.78	400.00	2000.00	6.55	0.17	-103.70	36.00	78.69	17.41	Cloudy	No	
14:25	30.80	400.00	2000.00	6.67	0.16	-111.10	36.20	78.51	17.44	Cloudy	No	
14:30	30.78	400.00	2000.00	6.52	0.19	-100.80	36.00	78.51	17.43	Cloudy	No	
14:35	30.72	400.00	1600.00	6.59	0.19	-99.80	37.10	78.05	17.44	Cloudy	No	
14:40	30.72	400.00	2000.00	6.63	0.18	-101.90	35.30	78.05	17.43	Cloudy	No	
14:45	30.70	400.00	2000.00	6.55	0.18	-100.50	34.70	77.86	17.44	Cloudy	No	
14:50	30.68	400.00	2000.00	6.46	0.16	-105.90	34.50	77.26	17.43	Cloudy	No	
14:55	30.68	400.00	2000.00	6.49	0.18	-101.70	34.70	76.93	17.44	Cloudy	No	
15:00	30.65	400.00	2000.00	6.56	0.16	109.20	35.70	76.69	17.44	Cloudy	No	
15:05	30.66	400.00	2000.00	6.45	0.15	-107.80	39.20	76.48	17.45	Cloudy	No	
15:10	30.66	400.00	2000.00	6.43	0.16	-105.30	35.50	76.29	17.46	Cloudy	No	
15:15	30.67	400.00	2000.00	6.56	0.15	-109.70	32.70	75.97	17.44	Cloudy	No	

15:20	30.63	400.00	2000.00	6.43	0.17	-102.10	30.40	75.97	17.50	Cloudy	No	
15:25	30.66	400.00	2000.00	6.55	0.16	-110.60	32.60	75.68	17.47	Cloudy	No	
15:30	30.65	400.00	2000.00	6.42	0.17	-103.40	31.00	75.57	17.46	Cloudy	No	
15:35	30.66	400.00	2000.00	6.5	0.16	-108.20	30.20	75.12	17.46	Cloudy	No	
15:40	30.65	400.00	2000.00	6.47	0.17	-106.40	29.50	75.11	17.46	Cloudy	No	
15:45	30.66	400.00	2000.00	6.45	0.15	-107.10	29.70	74.73	17.45	Cloudy	No	

Sampling Data

Zero HS: --
Method: Low Flow
Field Filtered: Yes
Date: 10-27-2021
Time: 15:45
Purge Start Time: 11:20
Total Volume Purged (mL): 99000

Field Parameters

STABILIZED PARAMETERS	
pH	6.45
Spec. Cond.(µS/cm)	74.73
Turbidity (NTU)	29.70
Temp.(°C)	17.45
DO (mg/L)	0.15
ORP (mV)	-107.10

Screen Interval: 44 - 54

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

Sample ID: CAP1021-PW-09-102721
DuplicateID: CAP1021-PW-09-102721-Z
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

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:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 40
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-11-2021 Time: 09:55

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			
10:10	--	220.00	440.00	4.54	0.37	408.50	150.00	76.61	19.06	Cloudy	None	Well diameter to small for DTW.
10:15	--	220.00	1100.00	4.45	0.17	106.80	24.70	76.54	18.86	Clear	No	
10:20	--	220.00	1100.00	4.46	0.11	100.40	8.62	76.65	18.71	Clear	No	
10:25	--	220.00	1100.00	4.45	0.08	97.30	4.67	76.71	18.59	Clear	No	
10:30	--	220.00	1100.00	4.44	0.07	93.70	2.75	76.72	18.59	Clear	No	
10:35	--	220.00	1100.00	4.46	0.06	89.10	2.02	76.74	18.58	Clear	No	
10:40	--	220.00	1100.00	4.46	0.05	86.70	1.21	76.60	18.65	Clear	None	
10:45	--	220.00	1100.00	4.44	0.05	85.80	2.05	76.65	18.68	Clear	None	
10:50	--	220.00	1100.00	4.45	0.05	85.50	1.55	76.44	18.61	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-11-2021 Time: 10:50
Field Filtered: No

Purge Start Time: 10:08
Total Volume Purged (mL): 9240

Field Parameters

STABILIZED PARAMETERS	
pH	4.45
Spec. Cond.(µS/cm)	76.44
Turbidity (NTU)	1.55
Temp.(°C)	18.61
DO (mg/L)	0.05
ORP (mV)	85.50

Screen Interval: 36.0-46.0

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

Sample ID: CAP1021-PZ-22-101121
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	67.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	9

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 INTAKE	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	14:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-102021	10-20-2021 09:06		7.19	7.32	365.00	18.30	119.06	25.99	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 10:06	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 09:06	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

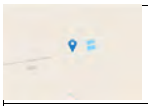
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8433342
Longitude:	-78.8356652



GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RM-76	Project Manager:	Tracy Ovbey
Samplers:	LUIS TORRES|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	11:15	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1021-CFR-RM-76-101921	10-19-2021 11:42		7.47	6.77	98.90	10.34	104.81	24.20	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	9	Distance to River Right:	11
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	66
Total Depth to Bottom of Channel (ft):	18	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

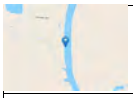
ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	67.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.853455
Longitude:	-78.8271165



GPS Location (if collected)

Sample Location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-EFF	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	10:30	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				
CAP1021-SEEP-A-EFF-24-102021	10-20-2021 09:54		6.88	3.67	8.20	1.92	247.53	17.10	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 10:54	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 09:54	Old Outfall Bypass(Yes/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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8451628
Longitude:	-78.8252166

GPS Location (if collected)

ISCO at effluent

No bypass.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-EFF	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	13:30	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				
CAP1021-SEEP-B-EFF-24-102021	10-20-2021	10:24	5.60	2.26	202.50	4.55	91.40	22.97	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 11:24	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 10:24	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

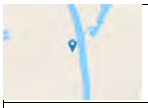
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8422724
Longitude:	-78.8250103



GPS Location (if collected)

ISCO at effluent.

No bypass.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-EFF	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	13:40	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				
CAP1021-SEEP-C-EFF-24-102021	10-20-2021	11:06	7.43	3.92	116.10	1.83	115.84	23.09	Clear	No	MS/REP/DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 12:06	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 11:06	Old Outfall Bypass(Yes/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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8383791
Longitude:	-78.8244985

GPS Location (if collected)

ISCO at effluent.

No bypass.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-EFF	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	14:05	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				
CAP1021-SEEP-D-EFF-24-102021	10-20-2021	13:06	6.84	2.43	239.00	0.79	100.97	22.51	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 14:06	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 13:06	Old Outfall Bypass(Yes/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)

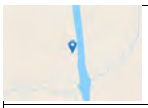
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8372814
Longitude:	-78.8242704



GPS Location (if collected)

ISCO at effluent.

No bypass.

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|SHARON MORAN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 40
Pump Loc: within screen
Method: Peristaltic Pump Date: 10-25-2021 Time: 11:20

WATER VOLUME CALCULATION

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

Water Volume = 3.605

Initial Depth to Water (ft.): 29.51 Depth to Well Bottom (ft.): 52.04

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:55	29.51	200.00	0.00	4.72	2.29	191.40	3.82	71.48	20.31	Clear	No	
12:00	29.52	200.00	1000.00	4.87	0.26	173.30	2.50	58.10	19.27	Clear	No	
12:05	29.52	200.00	1000.00	4.97	0.13	160.70	3.51	50.46	19.01	Clear	No	
12:10	29.52	200.00	1000.00	4.98	0.10	152.00	4.21	46.45	19.05	Clear	No	
12:15	29.52	200.00	1000.00	5.01	0.09	142.00	6.27	42.67	19.15	Clear	No	
12:20	29.51	200.00	1000.00	5.04	0.08	133.70	7.00	37.16	19.13	Clear	No	
12:25	29.52	200.00	1000.00	5.05	0.08	127.00	7.75	44.67	19.12	Clear	No	
12:30	29.51	200.00	1000.00	5.05	0.07	114.90	8.27	36.29	19.04	Clear	No	
12:35	29.51	200.00	1000.00	5.06	0.07	101.10	8.74	22.85	19.09	Clear	No	
12:40	29.51	200.00	800.00	5.06	0.05	92.20	8.21	11.44	19.03	Clear	No	
12:45	29.51	200.00	1000.00	5.09	0.06	78.50	8.65	2.46	19.10	Clear	No	
12:50	29.51	200.00	1000.00	5.1	0.05	68.90	7.52	1.21	19.18	Clear	No	
12:55	29.51	200.00	1000.00	5.11	0.06	60.30	7.50	20.64	19.19	Clear	No	
13:00	29.51	250.00	1250.00	5.1	0.06	55.70	7.10	64.25	19.01	Clear	No	
13:05	29.51	250.00	1250.00	5.08	0.06	47.00	5.56	66.05	19.13	Clear	No	
13:10	29.51	250.00	1250.00	5.08	0.06	47.00	5.56	66.05	19.13	Clear	No	
13:15	29.51	250.00	1250.00	5.09	0.06	45.10	4.87	37.06	19.18	Clear	No	
13:20	29.51	250.00	1250.00	5.05	0.06	40.30	4.31	62.60	19.16	Clear	No	
13:25	29.50	250.00	1250.00	5.11	0.06	37.30	4.36	80.20	19.34	Clear	No	
13:30	29.49	250.00	1250.00	5.09	0.06	35.00	3.44	80.03	--	Clear	No	
13:35	29.49	250.00	1250.00	5.15	0.06	33.10	2.84	78.96	19.32	Clear	No	
13:40	29.49	250.00	1250.00	5.11	0.06	33.10	2.62	64.29	19.35	Clear	No	
13:45	29.49	250.00	1250.00	5.08	0.06	33.60	2.68	62.38	19.33	Clear	No	
13:50	29.48	250.00	1250.00	5.13	0.06	31.20	2.24	66.62	19.29	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-25-2021 Time: 13:50
Field Filtered: No

Purge Start Time: 11:55
Total Volume Purged (mL): 25550

Field Parameters

STABILIZED PARAMETERS	
pH	5.13
Spec. Cond.(µS/cm)	66.62
Turbidity (NTU)	2.24
Temp.(°C)	19.29
DO (mg/L)	0.06
ORP (mV)	31.20

Screen Interval: 39 to 49

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

Sample ID: CAP1021-SMW-10-102521
DuplicateID: CAP1021-SMW-10-102521-D
QA/QC: Dup|MS|MSD|Rep

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

WEATHER CONDITIONS			
Temperature (F):	69.00	Water Quality Condition:	N/A
		Water Clarity:	N/A

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Sky:	Cloudy	**Water Color:**	N/A
Precipitation:	None	**Water Odor:**	N/A
Wind (mph)	0		

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: SMW-11 | Well Diameter: 2 Inches

Samplers: LUKE TART|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 23

Pump Loc: within screen

Method: Peristaltic Pump | Date: 10-27-2021 | Time: 10:25

WATER VOLUME CALCULATION

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

Water Volume = 1.965

Initial Depth to Water (ft.): 13.5 | Depth to Well Bottom (ft.): 25.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	13.58	350.00	1750.00	4.02	4.82	171.80	186.00	43.61	17.47	Cloudy	No	
10:35	13.59	350.00	1750.00	3.9	4.94	198.10	167.00	42.92	17.63	Cloudy	No	
10:40	13.60	350.00	1750.00	3.88	4.57	213.30	29.50	45.72	17.76	Clear	No	
10:45	13.60	350.00	1750.00	3.89	4.17	221.10	5.82	45.26	17.93	Clear	No	
10:50	13.60	350.00	1750.00	3.88	4.13	229.40	3.34	45.24	17.90	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 10-27-2021 | Time: 10:50

Field Filtered: No

Purge Start Time: 10:25

Total Volume Purged (mL): 8750

Field Parameters

STABILIZED PARAMETERS	
pH	3.88
Spec. Cond.(µS/cm)	45.24
Turbidity (NTU)	3.34
Temp.(°C)	17.90
DO (mg/L)	4.13
ORP (mV)	229.40

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: CAP1021-SMW-11-102721

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

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|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 96
Pump Loc: within screen
Method: Double valve pump Date: 10-25-2021 Time: 11:43

WATER VOLUME CALCULATION

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

Water Volume = 2.878

Initial Depth to Water (ft.): 84.03 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			
12:30	84.05	100.00	500.00	3.66	4.38	251.90	36.90	201.46	20.98	Clear	No	
12:35	84.04	175.00	875.00	3.62	0.44	123.80	17.80	204.07	18.87	Clear	No	
12:40	84.04	175.00	875.00	3.63	0.28	54.70	18.50	204.62	18.65	Clear	No	
12:45	84.04	175.00	875.00	3.63	0.22	17.90	17.90	204.65	18.64	Clear	No	
12:50	84.04	175.00	875.00	3.64	0.18	-13.10	15.30	204.41	18.64	Clear	No	
12:55	84.04	175.00	875.00	3.63	0.16	-27.90	14.40	204.27	18.63	Clear	No	
13:00	84.04	175.00	875.00	3.65	0.14	-34.20	9.61	204.35	18.61	Clear	No	
13:05	84.04	175.00	875.00	3.63	0.15	-34.40	8.53	240.13	18.62	Clear	No	
13:10	84.04	175.00	875.00	3.64	0.15	-35.70	8.03	203.35	18.65	Clear	No	
13:15	84.04	175.00	875.00	3.63	0.23	-31.50	7.02	204.90	19.35	Clear	No	
13:20	84.04	175.00	875.00	3.62	0.16	-31.70	4.64	204.29	18.65	Clear	No	
13:25	84.04	175.00	875.00	3.62	0.15	-33.40	4.40	204.47	18.69	Clear	No	
13:30	84.04	175.00	875.00	3.61	0.15	-33.40	4.36	204.45	18.68	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 10-25-2021 Time: 13:30
Field Filtered: No

Purge Start Time: 12:25
Total Volume Purged (mL): 11000

Field Parameters

STABILIZED PARAMETERS	
pH	3.61
Spec. Cond.(µS/cm)	204.45
Turbidity (NTU)	4.36
Temp.(°C)	18.68
DO (mg/L)	0.15
ORP (mV)	-33.40

Screen Interval: 88 to 98

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

Sample ID: CAP1021-SMW-12-102521
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	9

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:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	10-19-2021	Time:	09:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1021-WC-1-24-102021	10-20-2021 09:00		7.85	0.71	-24.8	4.35	708.97	16.77	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-19-2021 10:00	Multi Meter ID:	706751
ISCO End Date and Time:	10-20-2021 09:00	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

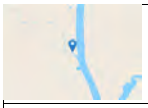
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8512819
Longitude:	-78.8277177



GPS Location (if collected)

ISCO

Sample/flow location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	LUIS TORRES|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-10-2021	Time:	10:01	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1121-CFR-BLADEN-111021	11-10-2021 10:10		7.30	10.19	146.40	1.34	167.53	19.35	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	5	Distance to River Right:	14
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	55
Total Depth to Bottom of Channel (ft):	10	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

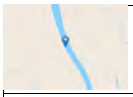
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.7723409241925
Longitude:	-78.7983962012139



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:	CHARLES PACE|JELANI GILL|JENNESSA PETERSON|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-17-2021	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				
CAP1121-CFR-KINGS-111721	11/17/2021 12:10		8.34	7.47	-24.80	2.47	444.35	23.41	Clear	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7.5	Distance to River Right:	55
Sampling Location:	Center of River	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	47
Total Depth to Bottom of Channel (ft):	15	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude: 34.4064464
Longitude: -78.2946536

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:	CHARLES PACE|LUIS TORRES|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-09-2021	Time:	11:32	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				
CAP1121-CFR-RM-76-110921	11-09-2021 11:40		7.28	8.56	293.90	57.64	168.09	18.83	Clear	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	16
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	68
Total Depth to Bottom of Channel (ft):	20.1	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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude: 34.8539197
Longitude: -78.8270887

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:	LUIS TORRES|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-10-2021	Time:	10:44	General Comments:	ISCO composite sample also collected from this location. CAP1121-CFR-TARHEEL-24-111121 11/10/21 4:36-11/11/21 3:36.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1121-CFR-TARHEEL-111021	11-10-2021 10:50		7.40	9.40	154.60	1.53	173.22	17.27	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6.5	Distance to River Right:	18
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	53
Total Depth to Bottom of Channel (ft):	13	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

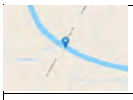
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.7443382813101
Longitude:	-78.7853740661337



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|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-09-2021	Time:	15:35	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				
CAP1121-GBC-1-110921	11-09-2021 15:55		4.50	8.94	304.80	0.00	108.77	16.09	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
		Multi Meter ID:	766679	Flow Rate Units:	--

SAMPLE SET

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

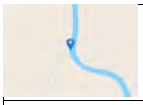
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8148896
Longitude:	-78.8213313



GPS Location (if collected)

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

Sample and flow location.

Where stream meets river.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM-NORTH	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-09-2021	Time:	14:35	General Comments:	Flow taken using bucket method. Flow measured 3 times each resulting in 200 ml per 5 seconds at 70% capture.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1121-LOCK-DAM-NORTH-110921	11-09-2021 14:45		5.82	6.90	190.60	1.77	122.54	20.13	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	2.4
		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)

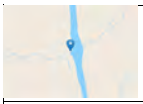
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.8337881
Longitude:	-78.8236304



GPS Location (if collected)

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

Flow and sample location

Where seep meets river.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM SEEP	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11-09-2021	Time:	14:05	General Comments:	Flow measured using bucket method, 5 liters of water measured over 10 seconds. This was repeated three times. 90% capture.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1121-LOCK-DAM-SEEP-110921	11-09-2021	14:20	5.82	8.02	170.50	19.54	133.72	15.80	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	30
		Multi Meter ID:	766679	Flow Rate Units:	L/min

SAMPLE SET

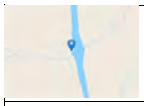
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.8338573
Longitude:	-78.8236479



GPS Location (if collected)

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

Sample and flow location

Where seep meets river.

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-04-2021 Time: 11:00

WATER VOLUME CALCULATION

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

Water Volume = 1.968

Initial Depth to Water (ft.): 16.6 Depth to Well Bottom (ft.): 28.9

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	17.11	250.00	1250.00	3.84	0.27	262.30	46.91	118.01	15.41	Cloudy	No	
11:10	17.12	250.00	1250.00	3.81	0.31	277.40	29.94	119.49	15.45	Cloud	No	
11:15	17.14	250.00	1250.00	3.72	0.60	328.90	28.27	124.51	15.99	Cloudy	No	
11:20	17.14	250.00	1250.00	3.75	0.39	327.60	8.55	122.30	15.74	Clear	No	
11:25	17.16	250.00	1250.00	3.76	0.29	324.90	4.73	121.31	15.90	Clear	No	
11:30	17.16	250.00	1250.00	3.77	0.26	323.60	1.47	121.39	16.09	Clear	No	
11:35	17.17	250.00	1250.00	3.78	0.25	321.50	1.73	121.03	16.15	Clear	No	
11:40	17.00	250.00	1250.00	3.79	0.23	319.90	0.00	121.00	16.10	Clear	No	
11:45	17.18	250.00	1250.00	3.79	0.27	318.90	0.00	121.03	16.09	Clear	No	
11:50	17.17	250.00	1250.00	3.8	0.39	319.30	0.00	121.03	16.00	Clear	No	
11:55	17.18	250.00	1250.00	3.79	0.43	320.70	0.00	120.96	15.88	Clear	No	
12:00	17.18	250.00	1250.00	3.77	0.53	321.90	0.00	120.97	16.00	Clear	No	
12:05	17.18	250.00	1250.00	3.77	0.51	322.60	0.00	120.65	15.79	Clear	No	
12:10	17.18	250.00	1250.00	3.82	0.27	320.40	0.03	121.47	15.88	Clear	No	
12:15	17.17	250.00	1250.00	3.82	0.27	320.40	0.01	121.29	16.06	Clear	No	
12:20	17.18	250.00	1250.00	3.82	0.28	320.80	0.00	121.34	16.17	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-04-2021 Time: 12:20
Field Filtered: No

Purge Start Time: 11:00
Total Volume Purged (mL): 20000

Field Parameters

STABILIZED PARAMETERS	
pH	3.82
Spec. Cond.(µS/cm)	121.34
Turbidity (NTU)	0.00
Temp.(°C)	16.17
DO (mg/L)	0.28
ORP (mV)	320.80

Screen Interval: 11.0-26.0

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP1121-LTW-01-110421
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	46.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

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:	LTW-02	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-29-2021 Time: 11:21

WATER VOLUME CALCULATION

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

Water Volume = 5.048

Initial Depth to Water (ft.): 9.12 Depth to Well Bottom (ft.): 40.67

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:25	9.25	300.00	600.00	6.35	2.30	201.30	30.07	62.06	16.51	Clear	No	
11:30	9.23	300.00	1500.00	5.01	0.17	180.30	2.63	72.58	17.18	Clear	No	
11:35	9.23	300.00	1500.00	5.01	0.13	174.50	11.66	72.37	17.35	Clear	No	
11:40	9.25	300.00	1500.00	4.98	0.10	170.50	1.82	72.95	17.39	Clear	No	
11:45	9.26	300.00	1500.00	4.98	0.10	164.80	0.00	73.30	17.31	Clear	No	
11:50	9.26	300.00	1500.00	4.97	0.07	152.90	4.86	72.14	17.44	Clear	No	
11:55	9.26	300.00	1500.00	4.96	0.06	141.90	0.32	72.35	17.40	Clear	No	
12:00	9.26	300.00	1500.00	4.98	0.06	113.40	0.00	73.17	17.50	Clear	No	
12:05	9.26	300.00	1500.00	4.94	0.07	110.00	0.19	73.11	17.46	Clear	No	
12:10	9.26	300.00	1500.00	4.96	0.05	98.00	0.28	72.65	17.24	Clear	No	
12:15	9.27	300.00	1500.00	4.96	0.05	86.20	0.24	72.76	17.32	Clear	No	
12:20	9.26	300.00	1500.00	4.97	0.05	89.80	14.50	72.01	17.31	Clear	No	
12:25	9.27	300.00	1500.00	4.96	0.05	87.30	11.77	73.20	17.33	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-29-2021 Time: 12:25
Field Filtered: No

Purge Start Time: 11:23
Total Volume Purged (mL): 18600

Field Parameters

STABILIZED PARAMETERS	
pH	4.96
Spec. Cond.(µS/cm)	73.20
Turbidity (NTU)	11.77
Temp.(°C)	17.33
DO (mg/L)	0.05
ORP (mV)	87.30

Screen Interval: 28.0-38.0

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

Sample ID: CAP1121-LTW-02-112921
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)	13

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:	MATT SCHEUER|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-03-2021 Time: 09:45

WATER VOLUME CALCULATION

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

Water Volume = 2.728

Initial Depth to Water (ft.): 12.95 Depth to Well Bottom (ft.): 30

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	13.35	180.00	540.00	5.05	0.29	127.60	2.94	71.52	17.00	Clear	No	
10:35	13.42	180.00	900.00	4.62	0.23	131.40	--	72.32	16.83	Clear	No	
10:40	13.42	180.00	900.00	4.55	0.16	128.70	--	71.22	16.84	Clear	No	
10:45	13.45	180.00	900.00	4.52	0.13	121.20	1.10	71.77	16.88	Clear	No	
10:50	13.49	180.00	900.00	4.52	0.11	119.70	0.84	71.34	16.93	Clear	No	
10:55	13.56	180.00	900.00	4.5	0.09	120.70	1.68	71.57	17.00	Clear	No	
11:00	13.59	180.00	900.00	4.48	0.07	119.60	1.55	71.80	17.00	Clear	No	
11:05	13.61	180.00	900.00	4.5	0.07	117.10	0.46	71.29	17.06	Clear	No	
11:10	13.64	180.00	900.00	4.5	0.07	116.80	1.61	70.97	16.97	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-03-2021 Time: 11:11
Field Filtered: No

Purge Start Time: 10:27
Total Volume Purged (mL): 7740

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	70.97
Turbidity (NTU)	1.61
Temp.(°C)	16.97
DO (mg/L)	0.07
ORP (mV)	116.80

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 (13 PFCAs)

Sample ID: CAP1121-LTW-03-110321
DuplicateID:
QA/QC:

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

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:	LTW-04	Well Diameter:	2 Inches
Samplers:	JELANI GILL|JENNESSA PETERSON	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-18-2021 Time: 10:35

WATER VOLUME CALCULATION

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

Water Volume = 3.227

Initial Depth to Water (ft.): 8.3 Depth to Well Bottom (ft.): 28.47

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:55	11.00	280.00	1400.00	4.54	0.17	-23.50	110.27	94.52	19.77	Clear	No	
11:00	12.05	280.00	1400.00	4.58	0.20	69.50	104.04	92.51	19.80	Clear	No	
11:05	12.89	220.00	14300.00	4.65	0.33	84.00	119.61	90.91	20.10	Clear	No	
11:10	13.36	220.00	1100.00	4.71	0.45	117.40	116.24	88.52	20.06	Clear	No	
11:15	13.77	220.00	1100.00	4.74	0.56	133.50	102.53	87.24	19.65	Clear	No	
11:20	14.18	220.00	1100.00	4.75	0.58	146.90	101.30	87.78	19.37	Clear	No	
11:25	14.43	220.00	1100.00	4.75	0.62	155.30	122.69	86.40	19.30	Clear	No	
11:30	14.71	220.00	1100.00	4.76	0.62	160.30	114.05	85.93	19.27	Clear	No	
11:35	15.00	220.00	1100.00	4.77	0.59	167.20	135.53	86.44	19.54	Clear	No	
11:40	14.28	250.00	1250.00	4.82	0.39	196.50	135.68	88.77	19.59	Clear	No	
11:45	14.69	250.00	1250.00	4.74	0.17	199.30	93.47	87.14	19.48	Clear	No	
11:50	14.85	250.00	1250.00	4.75	0.48	200.60	83.10	87.49	19.49	Clear	No	
11:55	15.10	250.00	1250.00	4.77	0.46	198.10	70.66	86.61	19.61	Clear	No	Purge stopped to go pick up turbidity meter
13:00	10.34	200.00	0.00	4.65	--	--	27.51	88.16	19.45	Clear	None	
13:05	10.96	200.00	1000.00	4.62	0.20	195.50	24.10	87.67	18.88	Clear	None	
13:10	12.98	200.00	1000.00	4.65	0.17	194.30	20.70	87.34	18.69	Clear	No	
13:15	12.29	200.00	1000.00	4.67	0.16	192.40	18.90	86.78	18.72	Clear	No	
13:20	12.49	200.00	1000.00	4.69	0.17	192.50	18.30	87.26	18.63	Clear	No	
13:25	12.80	200.00	1000.00	4.69	0.16	191.90	15.80	86.55	18.47	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-18-2018 Time: 13:30
Field Filtered: No

Purge Start Time: 10:50
Total Volume Purged (mL): 33700

Field Parameters

STABILIZED PARAMETERS	
pH	4.69
Spec. Cond.(µS/cm)	86.55
Turbidity (NTU)	15.80
Temp.(°C)	18.47
DO (mg/L)	0.16
ORP (mV)	191.90

Screen Interval: 12.0-27.0

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

Sample ID: CAP1121-LTW-04-111818
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)	7

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: LUIS TORRES|LUKE TART | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: --

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-17-2021 | Time: 09:44

WATER VOLUME CALCULATION

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

Water Volume = 6.072

Initial Depth to Water (ft.): 9.35 | Depth to Well Bottom (ft.): 47.3

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	9.45	200.00	1000.00	5.21	0.28	137.60	54.94	107.70	19.02	Cloudy	None	
11:20	9.45	200.00	1000.00	4.92	0.18	137.40	60.15	98.42	18.84	Cloudy	None	
11:25	9.45	200.00	1000.00	4.85	0.13	167.20	48.70	97.36	18.83	Cloudy	None	
11:30	9.45	200.00	1000.00	4.81	0.12	101.40	38.53	97.43	18.93	Cloudy	None	
11:35	9.45	200.00	1000.00	4.78	0.11	127.80	26.00	97.94	18.99	Cloudy	None	
11:40	9.45	200.00	1000.00	4.78	0.10	124.70	29.72	97.86	19.11	Cloudy	None	
11:45	9.45	200.00	1000.00	4.77	0.10	132.90	14.87	98.07	19.25	Clear	None	
11:50	9.45	200.00	1000.00	4.76	0.09	158.50	11.07	98.14	19.25	Clear	None	
11:55	9.45	200.00	1000.00	4.75	0.09	161.00	8.24	98.10	19.27	Clear	None	
12:00	9.45	200.00	1000.00	4.75	0.09	162.40	11.82	98.00	19.41	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 11-17-2021 | Time: 11:55

Field Filtered: No

Purge Start Time: 11:10

Total Volume Purged (mL): 10000

Field Parameters

STABILIZED PARAMETERS	
pH	4.75
Spec. Cond.(µS/cm)	98.00
Turbidity (NTU)	11.82
Temp.(°C)	19.41
DO (mg/L)	0.09
ORP (mV)	162.40

Screen Interval: 29.0-44.0

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

Sample ID: CAP1121-LTW-05-111721

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	65.00
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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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	14:41	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				
CAP1121-OLDOF-1-24-111021	11/10/2021 12:00		6.39	8.02	114.10	3.79	165.81	19.13	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11/9/2021 13:00	Multi Meter ID:	--
ISCO End Date and Time:	11/10/2021 12:00	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

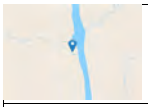
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8319239
Longitude:	-78.8235683



GPS Location (if collected)

Sample Location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	14:15	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1121-OUTFALL-002-24-111121	11/11/2021 13:11		7.67	9.31	23.60	7.29	305.17	24.11	Clear	No		Due to power issue the ISCO did not collect a full sample. The composite was restarted on 11/10/21.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11/10/2021 14:11	Multi Meter ID:	--
ISCO End Date and Time:	11/11/2021 13:11	Old Outfall Bypass(Yes/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)

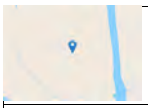
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8383355
Longitude:	-78.8286705



GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	JENNESSA PETERSON|LUIS TORRES	Event:	CAP Monthly	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	25				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	11-16-2021	Time:	12:48

WATER VOLUME CALCULATION

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

Water Volume =	2		
Initial Depth to Water (ft.):	19.23	Depth to Well Bottom (ft.):	31.73

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55	19.32	300.00	1500.00	5.93	5.37	150.50	11.03	0.75	18.40	Clear	None	
13:00	19.31	300.00	1500.00	5.45	4.45	206.10	9.17	1.69	18.05	Clear	None	
13:05	19.31	300.00	1500.00	4.87	4.19	237.40	718.00	0.17	17.95	Clear	None	
13:09	19.30	300.00	1200.00	4.74	3.34	258.50	--	0.79	17.93	Clear	None	
14:05	19.31	300.00	16800.00	3.89	7.22	264.60	24.04	133.82	17.90	Clear	None	
14:10	19.30	300.00	1500.00	4.03	6.73	270.00	1.60	131.70	17.78	Clear	None	
14:15	19.30	300.00	1500.00	4.5	5.56	261.60	324.68	126.31	17.57	Clear	None	
14:20	19.30	300.00	1500.00	4.1	4.64	261.50	1731.80	121.38	17.62	Clear	None	
14:25	19.30	300.00	1500.00	3.95	3.69	261.50	67.90	117.90	17.52	Clear	None	
14:30	19.30	300.00	1500.00	3.67	3.19	265.20	32.90	166.61	17.51	Clear	Yes	
14:35	19.30	300.00	1500.00	3.65	2.07	271.40	27.00	165.92	17.51	Clear	Yes	
14:40	19.30	300.00	1500.00	3.65	1.43	275.30	13.60	165.49	17.47	Clear	Yes	
14:45	19.30	300.00	1500.00	3.64	1.05	276.70	10.70	164.74	17.55	Clear	Yes	
14:50	19.30	300.00	1500.00	3.64	0.78	280.30	8.92	164.72	17.57	Clear	Yes	
14:55	19.30	300.00	1500.00	3.65	0.54	283.30	6.11	164.31	17.46	Clear	Yes	
15:00	19.30	300.00	1500.00	3.65	0.41	285.70	4.69	164.17	17.42	Clear	Yes	
15:05	19.30	300.00	1800.00	3.65	0.30	288.00	3.27	164.18	17.39	Clear	No	
15:10	19.30	300.00	1500.00	3.65	0.24	290.60	2.72	163.70	17.43	Clear	Yes	
15:15	19.30	300.00	1500.00	3.64	0.20	294.50	2.16	163.06	17.40	Clear	Yes	
15:20	19.30	300.00	1500.00	3.65	0.20	295.20	1.85	162.93	17.36	Clear	Yes	
15:25	19.30	300.00	1500.00	3.64	0.20	298.30	1.72	162.40	17.30	Clear	Yes	

Sampling Data

Zero HS:	--					Purge Start Time:	12:50
Method:	Low Flow	Date:	11-16-2021	Time:	15:25	Total Volume Purged (mL):	46800
Field Filtered:	No						

Field Parameters

STABILIZED PARAMETERS	
pH	3.64
Spec. Cond.(µS/cm)	162.40
Turbidity (NTU)	1.72
Temp.(°C)	17.30
DO (mg/L)	0.20
ORP (mV)	298.30

Screen Interval: 24.5 to 29.5

SAMPLE SET

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

Sample ID:	CAP1121-PIW-1D-111621
DuplicateID:	
QA/QC:	

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS			
Temperature (F):	65.00	Water Quality Condition:	N/A
Sky:	Sunny	Water Clarity:	N/A
Precipitation:	None	Water Color:	N/A
		Water Odor:	N/A

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Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21.9
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 11-17-2021 Time: 12:55

WATER VOLUME CALCULATION

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

Water Volume = 0

Initial Depth to Water (ft.): 21.91 Depth to Well Bottom (ft.): 21.91

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:00	--	--	--	--	--	--	--	--	--	--	--	No recharge after yesterday's purge. Attempted to pull water but none had recharged. Well determined dry.

Sampling Data

Zero HS: --
Method: -- Date: -- Time: --
Field Filtered: --

Purge Start Time: --
Total Volume Purged (mL): --

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)

ALL PARAMETERS ANALYZED
--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	63.00
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:	PIW-3D	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-29-2021 Time: 12:36

WATER VOLUME CALCULATION

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

Water Volume = 1.742

Initial Depth to Water (ft.): 17.71 Depth to Well Bottom (ft.): 28.6

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	18.03	300.00	0.00	4.58	0.32	54.00	50.00	84.05	16.96	Clear	No	
12:50	18.05	300.00	1500.00	4.47	0.12	17.70	23.87	87.46	16.93	Clear	No	
12:55	18.06	300.00	1500.00	4.51	0.09	-0.30	15.16	85.04	16.67	Clear	No	
13:00	18.07	300.00	1500.00	4.61	0.07	-12.40	14.10	78.68	16.89	Clear	No	
13:05	18.07	300.00	1500.00	4.64	0.07	-18.60	19.49	79.34	16.86	Clear	No	
13:10	18.07	300.00	1500.00	4.66	0.07	-23.80	13.70	79.75	16.91	Clear	No	
13:15	18.06	300.00	1500.00	4.7	0.07	-28.00	12.94	78.52	16.86	Clear	No	
13:20	18.06	300.00	1500.00	4.73	0.07	-30.40	8.99	78.16	16.75	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-29-2021 Time: 13:20
Field Filtered: No

Purge Start Time: 12:45
Total Volume Purged (mL): 10500

Field Parameters

STABILIZED PARAMETERS	
pH	4.73
Spec. Cond.(µS/cm)	78.16
Turbidity (NTU)	8.99
Temp.(°C)	16.75
DO (mg/L)	0.07
ORP (mV)	

Screen Interval: 19 - 24

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

Sample ID: CAP1121-PIW-3D-112921
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)	11

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-7D	Well Diameter:	2 Inches
Samplers:	LUIS TORRES|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2021 Time: 13:25

WATER VOLUME CALCULATION

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

Water Volume = 5.067

Initial Depth to Water (ft.): 5.4 Depth to Well Bottom (ft.): 37.07

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			
13:40	5.42	200.00	1000.00	5.73	0.25	-137.90	7.06	65.88	19.25	Clear	None	
13:45	5.42	200.00	1000.00	5.38	0.08	-149.00	12.41	65.06	19.14	Clear	None	
13:50	5.42	200.00	1000.00	5.26	0.08	-152.40	19.90	64.54	18.81	Clear	None	
13:55	5.42	200.00	1000.00	5.16	0.07	-149.70	41.79	64.66	18.59	Hazy	None	
14:00	5.42	200.00	1000.00	4.46	0.06	-98.10	42.70	74.75	18.47	Cloudy	None	
14:05	5.42	200.00	1000.00	4.41	0.06	-81.70	29.30	77.78	18.67	Clear	None	
14:10	5.42	200.00	1000.00	4.44	0.05	-78.80	23.60	78.58	18.52	Clear	None	
14:15	5.42	200.00	1000.00	4.46	0.05	-74.00	15.35	79.71	18.71	Clear	None	
14:20	5.42	200.00	1000.00	4.51	0.05	-71.30	13.81	79.97	18.40	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-17-2021 Time: 14:20
Field Filtered: No

Purge Start Time: 13:35
Total Volume Purged (mL): 9000

Field Parameters

STABILIZED PARAMETERS	
pH	4.51
Spec. Cond.(µS/cm)	79.97
Turbidity (NTU)	13.81
Temp.(°C)	18.40
DO (mg/L)	0.05
ORP (mV)	-71.30

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: CAP1121-PIW-7D-111721
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	75.00
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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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PIW-7S | Well Diameter: 2 Inches

Samplers: GREG GREYWALL|LUIS TORRES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 10

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-23-2021 | Time: 11:53

WATER VOLUME CALCULATION

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

Water Volume = 0.792

Initial Depth to Water (ft.): 5.28 | Depth to Well Bottom (ft.): 10.23

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:55	5.81	340.00	0.00	5.75	0.22	-0.07	58.47	137.94	16.77	Clear	No	
12:00	5.83	340.00	1700.00	5.73	0.13	-86.90	86.37	136.65	16.83	Clear	No	
12:05	5.85	340.00	1700.00	5.76	0.09	-113.70	120.68	140.47	16.62	Clear	No	
12:10	5.91	340.00	1700.00	5.84	0.07	-147.60	60.15	148.01	16.66	Clear	No	
12:15	5.87	340.00	1700.00	5.9	0.06	-153.70	28.14	150.07	16.59	Clear	None	
12:20	5.87	340.00	1700.00	5.96	0.06	-152.20	18.96	155.51	16.41	Clear	No	
12:25	5.88	340.00	1700.00	5.97	0.05	-147.20	6.65	153.11	16.63	Clear	No	
12:30	5.87	340.00	1700.00	5.97	0.05	-135.20	4.56	153.63	16.72	Clear	None	
12:35	5.88	340.00	1700.00	5.69	0.05	-130.50	4.29	153.54	16.31	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 11-23-2021 | Time: 12:35

Field Filtered: No

Purge Start Time: 11:55

Total Volume Purged (mL): 13600

Field Parameters

STABILIZED PARAMETERS	
pH	5.69
Spec. Cond.(µS/cm)	153.54
Turbidity (NTU)	4.29
Temp.(°C)	16.31
DO (mg/L)	0.05
ORP (mV)	-130.50

Screen Interval: 7 - 17

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

Sample ID: CAP1121-PIW-7S-112321

DuplicateID:

QA/QC:

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

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

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: LUIS TORRES|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 29

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-04-2021 | Time: 09:41

WATER VOLUME CALCULATION

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

Water Volume = 0.55

Initial Depth to Water (ft.): 27.38 | Depth to Well Bottom (ft.): 30.82

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:45	27.79	200.00	1000.00	3.07	0.81	279.00	23.99	191.58	16.91	Clear	Np	
09:50	28.70	200.00	1000.00	3.27	0.35	323.00	18.87	197.20	16.75	Clear	No	
09:55	29.15	150.00	750.00	3.36	0.30	310.00	33.33	236.70	16.31	Cloudy	No	
10:00	29.51	150.00	750.00	3.39	0.26	309.00	35.54	257.54	16.08	Clear	No	
10:05	29.59	150.00	750.00	3.42	0.49	301.40	20.17	281.59	15.66	Clear	No	
10:10	30.10	150.00	750.00	3.43	0.34	299.50	17.03	281.21	16.08	Clear	No	Well went dry.
13:05	28.08	--	--	--	--	--	--	--	--	Clear	No	Returned to well to sample recharge.

Sampling Data

Zero HS: --

Method: Purge Dry | Date: 11-04-2021 | Time: 13:10

Field Filtered: No

Purge Start Time: 09:40

Total Volume Purged (mL): 5000

Field Parameters

STABILIZED PARAMETERS	
pH	3.43
Spec. Cond.(µS/cm)	281.21
Turbidity (NTU)	17.03
Temp.(°C)	16.08
DO (mg/L)	0.34
ORP (mV)	299.50

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: CAP1121-PW-04-110421

DuplicateID:

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

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: | Inches

Samplers: GREG GREYWALL|JELANI GILL | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 28

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-12-2021 | Time: 11:44

WATER VOLUME CALCULATION

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

Water Volume = 0

Initial Depth to Water (ft.): 19.19 | Depth to Well Bottom (ft.): 32.65

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:00	20.89	300.00	2400.00	4.22	5.17	228.70	7.46	52.32	18.91	Clear	No	
12:05	20.87	300.00	1500.00	4.2	5.13	237.10	4.15	52.64	18.94	Cleat	No	
12:10	20.89	300.00	1500.00	4.15	4.53	244.10	4.89	59.18	18.82	Clear	No	
12:15	20.91	300.00	1500.00	4.17	3.32	199.30	6.25	61.10	19.00	Clear	No	
12:20	20.91	300.00	1500.00	4.21	3.21	197.40	6.62	61.53	18.95	Clear	No	
12:25	20.91	300.00	1500.00	4.24	3.21	198.30	9.45	60.87	19.05	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 11-12-2021 | Time: 12:30

Field Filtered: No

Purge Start Time: 11:52

Total Volume Purged (mL): 9900

Field Parameters

STABILIZED PARAMETERS	
pH	4.24
Spec. Cond.(µS/cm)	60.87
Turbidity (NTU)	9.45
Temp.(°C)	19.05
DO (mg/L)	3.21
ORP (mV)	198.30

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)

Sample ID: CAP1121-PW-06-111221

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-07	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|GREG GREYWALL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 41
Pump Loc: bottom of well
Method: Double valve pump Date: 11-22-2021 Time: 12:50

WATER VOLUME CALCULATION

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

Water Volume = 0.355

Initial Depth to Water (ft.): 39.55 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			
13:35	40.39	125.00	1875.00	4.69	7.58	179.20	6.74	20.36	17.73	Clear	None	
13:40	--	120.00	600.00	4.66	7.85	186.70	29.67	180.14	17.87	Clear	None	Well went dry, tried to let recharge but couldn't get water out of well. The pump kept blowing air. Will purge dry with bailer tomorrow 11/23/21

Sampling Data

Zero HS: --
Method: -- Date: -- Time: --
Field Filtered: --

Purge Start Time: --
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	4.66
Spec. Cond.(µS/cm)	180.14
Turbidity (NTU)	29.67
Temp.(°C)	17.87
DO (mg/L)	7.85
ORP (mV)	186.70

Screen Interval: 28 - 38

SAMPLE SET

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

ALL PARAMETERS ANALYZED

--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Cloudy
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-07	Well Diameter:	2 Inches
Samplers:	GREG GREYWALL|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: bottom of well
Method: Bailer Date: 11-23-2021 Time: 10:54

WATER VOLUME CALCULATION

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

Water Volume = 0.322

Initial Depth to Water (ft.): 39.76 Depth to Well Bottom (ft.): 41.77

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:05	--	--	--	--	--	--	>20	--	--	Clear	No	Purged well once more, NTU reading sample below 20. Will return to sample.
13:05	--	--	--	--	--	--	--	--	--	Clear	No	Returned to sample recharge.

Sampling Data

Zero HS: --
Method: Purge Dry Date: 11/23/2021 Time: 13:15
Field Filtered: No

Purge Start Time: --
Total Volume Purged (mL): --

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)

ALL PARAMETERS ANALYZED

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

Sample ID: CAP1121-PW-07-112321
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	43.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	17

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-09	Well Diameter:	2 Inches
Samplers:	JELANI GILL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 52
Pump Loc: within screen
Method: Double valve pump Date: 11-16-2021 Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 5.206

Initial Depth to Water (ft.): 25.15 Depth to Well Bottom (ft.): 57.69

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			
12:20	27.80	480.00	2400.00	10.51	1.35	67.50	33.26	167.53	17.04	Clear	No	
12:25	28.60	480.00	2880.00	10.7	1.24	54.90	41.06	197.19	17.06	Clear	No	
12:30	29.55	480.00	2400.00	11.32	0.60	27.80	27.37	393.53	17.09	Clear	No	
12:35	30.22	480.00	2400.00	11.41	0.38	-21.60	27.95	440.22	17.15	Clear	No	
12:40	30.80	480.00	2400.00	9.83	0.20	-61.90	169.48	146.03	17.17	Clear	No	
12:45	31.11	480.00	2400.00	9.43	0.14	-120.00	181.03	128.27	17.22	Clear	No	
12:50	31.25	480.00	2400.00	9.06	0.11	-180.90	182.31	118.86	17.20	Clear	No	
12:55	31.35	480.00	2400.00	8.59	0.09	-227.50	169.68	109.93	17.22	Clear	No	
13:00	31.41	480.00	2400.00	7.98	0.07	-184.10	144.29	103.79	17.20	Clear	No	
13:05	31.48	480.00	2400.00	7.67	0.06	-165.90	169.55	98.80	17.23	Clear	No	
13:10	31.48	480.00	2400.00	7.45	0.05	-159.20	135.26	95.83	17.26	Clear	No	
13:15	31.48	480.00	2400.00	7.33	0.05	-156.90	126.33	93.63	17.25	Clear	No	
13:20	31.48	480.00	2400.00	7.2	0.04	-161.60	108.69	91.02	17.24	Clear	No	
13:25	31.48	480.00	2400.00	7.14	0.04	-163.30	112.29	89.27	17.22	Clear	No	
13:30	31.48	480.00	2400.00	7.08	0.06	-162.50	80.86	88.22	17.21	Clear	No	
13:35	31.48	480.00	2400.00	7.05	0.05	-161.40	83.15	87.56	17.26	Clear	No	
13:40	31.48	480.00	2400.00	7.04	0.06	-161.10	108.66	86.21	17.24	Clear	No	
13:45	31.48	480.00	2400.00	6.98	0.05	-161.20	103.30	86.05	17.30	Clear	No	
13:50	31.48	600.00	3000.00	7.12	0.09	-161.50	82.21	93.61	17.28	Clear	No	Adjusted flow for 5 well volume purge
13:55	31.48	600.00	3000.00	7.64	0.46	-132.20	71.58	90.65	17.26	Clear	No	
14:00	31.48	600.00	3000.00	7.27	0.40	-123.30	78.45	87.50	17.28	Clear	No	
14:05	31.48	600.00	3000.00	7.11	0.30	-126.70	76.08	87.89	17.29	Clear	No	
14:10	31.48	600.00	3000.00	7.01	0.27	-129.20	68.61	85.81	17.28	Clear	No	
14:15	31.48	600.00	3000.00	6.92	0.22	-133.00	94.36	81.20	17.28	Clear	No	
14:20	31.48	600.00	3000.00	6.9	0.23	-130.30	79.41	82.43	17.30	Clear	No	End of reading, new form

Sampling Data

Zero HS: --
Method: Low Flow Date: -- Time: --
Field Filtered: --

Purge Start Time: 12:15
Total Volume Purged (mL): 64680

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)

ALL PARAMETERS ANALYZED

--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS | **Water Quality Condition:** N/A

Temperature (F):	57.00	**Water Clarity:**	N/A
Sky:	Sunny	**Water Color:**	N/A
Precipitation:	None	**Water Odor:**	N/A
Wind (mph)	5		

RECORD OF WELL SAMPLING

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

Samplers: JELANI GILL|LUKE TART | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 52

Pump Loc: within screen

Method: Double valve pump | Date: 11-16-2021 | Time: 12:01

WATER VOLUME CALCULATION

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

Water Volume = 5.206

Initial Depth to Water (ft.): 25.15 | Depth to Well Bottom (ft.): 57.69

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			
14:20	--	--	64680.00	--	--	--	--	--	--	--	--	Taking over from previous form
14:25	31.47	600.00	3000.00	6.83	0.20	-134.00	81.05	80.58	17.28	Cloudy	None	
14:30	31.78	600.00	3000.00	6.8	0.18	-137.10	83.13	79.70	17.30	Cloudy	None	
14:35	31.45	600.00	3000.00	6.83	0.18	-136.20	81.74	79.86	17.29	Cloudy	None	
14:40	31.43	600.00	3000.00	6.78	0.14	-139.80	93.03	79.83	17.30	Cloudy	None	
14:45	31.45	600.00	3000.00	6.77	0.13	-137.70	97.67	79.03	17.30	Cloudy	None	
14:50	31.45	600.00	3000.00	6.79	0.17	-136.60	78.56	78.00	17.31	Cloudy	None	
14:55	31.43	600.00	3000.00	6.73	0.19	-134.50	77.44	77.56	17.29	Cloudy	None	
15:00	31.43	600.00	3000.00	6.71	0.16	-133.70	58.12	77.16	17.30	Cloudy	None	
15:05	31.43	600.00	3000.00	6.75	0.19	-131.60	70.19	77.05	17.29	Cloudy	None	
15:10	31.43	600.00	3000.00	6.75	0.23	-128.60	67.32	77.07	17.28	Cloudy	None	
15:15	31.45	600.00	3000.00	6.68	0.18	-130.80	69.18	76.50	17.28	Cloudy	None	
15:20	31.43	600.00	3000.00	6.7	0.17	-132.60	74.49	76.21	17.26	Cloudy	None	
15:25	31.43	600.00	3000.00	6.71	0.19	-130.50	62.96	76.00	17.27	Cloudy	None	

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: 11-16-2021 | Time: 15:20

Field Filtered: Yes

Purge Start Time: 12:15

Total Volume Purged (mL): 103680

Field Parameters

STABILIZED PARAMETERS	
pH	6.71
Spec. Cond.(µS/cm)	76.00
Turbidity (NTU)	62.96
Temp.(°C)	17.27
DO (mg/L)	0.19
ORP (mV)	-130.50

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: CAP1121-PW-09-111621

DuplicateID: CAP1121-PW-09-111621-Z

QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	57.00
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:	PZ-22	Well Diameter:	.75 Inches
Samplers:	JELANI GILL|JENNESSA PETERSON	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 49.7
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 11-18-2021 Time: 13:36

WATER VOLUME CALCULATION

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

Water Volume = 0.393

Initial Depth to Water (ft.): 7.13 Depth to Well Bottom (ft.): 50.75

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			
13:55	7.13	200.00	2000.00	4.64	0.21	95.50	346.00	94.54	18.74	Cloudy	Yes	
14:00	7.13	200.00	1000.00	4.6	0.16	89.90	44.30	95.04	18.54	Clear	No	
14:05	7.13	200.00	1000.00	4.55	0.13	87.00	5.07	95.75	18.58	Clear	No	
14:10	7.13	200.00	1000.00	4.55	0.12	82.80	1.58	96.15	18.84	Clear	No	
14:15	7.13	200.00	1000.00	4.55	0.10	75.00	0.05	96.35	18.79	Clear	No	
14:20	7.13	200.00	1000.00	4.54	0.09	71.80	0.00	96.52	18.88			
14:25	7.13	200.00	1000.00	4.54	0.09	68.50	0.00	96.58	18.83	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-18-2021 Time: 14:30
Field Filtered: No

Purge Start Time: 13:45
Total Volume Purged (mL): 8000

Field Parameters

STABILIZED PARAMETERS	
pH	4.54
Spec. Cond.(µS/cm)	96.58
Turbidity (NTU)	0.00
Temp.(°C)	18.83
DO (mg/L)	0.09
ORP (mV)	68.50

Screen Interval: 36.0-46.0

SAMPLE SET

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

Sample ID: CAP1121-PZ-22-111821
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Partly Sunny
Precipitation:	Rain
Wind (mph)	15

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:	River Water Intake2	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	15:37	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				
RIVER-WATER-INTAKE2-24-111021	11-10-2021 09:06		6.96	8.38	560.70	4.70	134.80	21.70	Clear	No	MS/REP/D	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 10:06	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 09:06	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

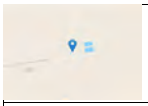
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8435626
Longitude:	-78.8354017



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	12:42	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				
CAP1121-SEEP-A-EFF-24-111021	11-10-2021 09:54		4.89	3.77	284.00	1.64	119.32	19.32	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 10:54	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 09:54	Old Outfall Bypass(Yes/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+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.845164
Longitude:	-78.8253303

GPS Location (if collected)

ISCO at Effluent

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	13:46	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				
CAP1121-SEEP-B-EFF-24-111021	11-10-2021 10:24		5.68	3.77	231.20	0.92	86.42	22.10	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 11:24	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 10:24	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

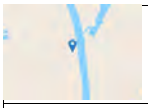
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8422067
Longitude:	-78.824932



GPS Location (if collected)

ISCO at Effluent

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	13:54	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				
CAP1121-SEEP-C-EFF-24-111021	11-10-2021	11:06	6.51	3.40	66.30	33.90	64.32	18.82	Brown	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 12:06	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 11:06	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

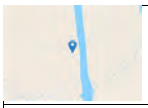
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8383003
Longitude:	-78.8245837



GPS Location (if collected)

ISCO at Effluent

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	14:30	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				
CAP1121-SEEP-D-EFF-24-111021	11-10-2021	11:18	8.03	3.70	114.10	2.99	86.76	19.13	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 12:18	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 11:18	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

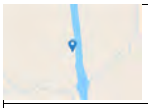
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

Latitude:	34.8374309
Longitude:	-78.8240174



GPS Location (if collected)

ISCO at Effluent

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	MATT SCHEUER|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 45
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-03-2021 Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 3.606

Initial Depth to Water (ft.): 29.52 Depth to Well Bottom (ft.): 52.06

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:25	29.52	200.00	1000.00	5.3	0.93	122.00	11.60	60.58	16.39	Clear	No	
12:30	29.52	200.00	1000.00	5.39	0.19	58.00	7.01	60.06	16.45	Clear	No	
12:35	30.44	200.00	1000.00	5.36	0.13	-15.30	5.55	60.02	16.39	Clear	No	
12:40	29.52	200.00	1000.00	5.36	0.11	-56.90	5.15	59.96	16.64	Clear	No	
12:45	29.52	200.00	1000.00	5.37	0.10	-70.70	4.49	59.77	16.51	Clear	Na	
12:50	29.52	200.00	1200.00	5.37	0.09	-78.10	3.75	59.44	16.40	Clear	No	
12:55	29.52	200.00	1000.00	5.37	0.09	-83.10	4.15	59.30	16.31	Clear	No	
13:00	29.52	200.00	1000.00	5.37	0.08	-86.80	3.43	59.21	16.55	Clear	No	
13:05	29.52	200.00	1000.00	5.37	0.08	-88.50	4.07	58.74	16.37	Clear	No	
13:10	29.52	200.00	1000.00	5.38	0.07	-91.10	3.04	57.93	16.44	Clear	No	
13:15	29.52	200.00	1000.00	5.37	0.07	-92.60	3.24	57.66	16.67	Clear	No	
13:20	29.52	200.00	1000.00	5.38	0.07	-93.60	3.60	57.25	16.56	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-03-2021 Time: 13:30
Field Filtered: No

Purge Start Time: 12:20
Total Volume Purged (mL): 12200

Field Parameters

STABILIZED PARAMETERS	
pH	5.38
Spec. Cond.(µS/cm)	57.25
Turbidity (NTU)	3.60
Temp.(°C)	16.56
DO (mg/L)	0.07
ORP (mV)	-93.60

Screen Interval: 39 to 49

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

Sample ID: CAP1121-SMW-10-110321
DuplicateID: CAP1121-SMW-10-110321-D
QA/QC: Dup|MS|MSD|Rep

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

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	7

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:	JELANI GILL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-16-2021 Time: 11:15

WATER VOLUME CALCULATION

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

Water Volume = 1.944

Initial Depth to Water (ft.): 13.63 Depth to Well Bottom (ft.): 25.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:25	13.80	300.00	1500.00	4.03	4.26	192.80	9.57	49.07	17.79	Clear	None	
11:30	13.80	300.00	1500.00	4.02	4.53	210.60	49.30	51.99	17.72	Cloudy	None	
11:35	13.78	300.00	1500.00	4.14	4.15	212.20	27.75	45.96	17.94	Clear	None	
11:40	13.78	300.00	1500.00	4.15	4.26	218.60	1.79	48.92	17.91	Clear	None	
11:45	13.80	300.00	1500.00	4.17	4.17	226.90	2.76	49.17	17.85	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-16-2021 Time: 11:40
Field Filtered: No
Purge Start Time: 11:20
Total Volume Purged (mL): 7500

Field Parameters

STABILIZED PARAMETERS	
pH	4.17
Spec. Cond.(µS/cm)	49.17
Turbidity (NTU)	2.76
Temp.(°C)	17.85
DO (mg/L)	4.17
ORP (mV)	226.90

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: CAP1121-SMW-11-111621
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	57.00
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:	SMW-12	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|GREG GREYWALL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 98
Pump Loc: within screen
Method: Double valve pump Date: 11-22-2021 Time: 10:22

WATER VOLUME CALCULATION

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

Water Volume = 2.867

Initial Depth to Water (ft.): 84.1 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			
11:15	84.20	225.00	3375.00	3.66	0.27	-9.70	25.55	205.61	16.98	Cloudy	None	
11:20	84.20	225.00	1125.00	3.66	0.27	-19.50	21.98	205.10	16.97	Clear	None	
11:25	84.20	225.00	1125.00	3.66	0.32	-24.20	17.70	208.31	16.92	Clear	None	
11:30	84.20	225.00	1125.00	3.65	0.40	-24.90	13.30	204.91	16.97	Clear	None	
11:35	84.20	225.00	1125.00	3.65	0.46	-24.00	11.66	204.90	16.99	Clear	None	
11:40	84.20	225.00	1125.00	3.66	0.47	-25.60	12.70	207.68	16.91	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 11-22-2021 Time: 11:50
Field Filtered: No

Purge Start Time: 11:00
Total Volume Purged (mL): 9000

Field Parameters

STABILIZED PARAMETERS	
pH	3.66
Spec. Cond.(µS/cm)	207.68
Turbidity (NTU)	12.70
Temp.(°C)	16.91
DO (mg/L)	0.47
ORP (mV)	-25.60

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: CAP1121-SMW-12-112221
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	4

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:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	11/9/2021	Time:	11:42	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				
CAP1121-WC-1-24-111021	11-10-2021	11:00	6.36	8.69	-210.90	3.36	62.29	19.91	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2021 12:00	Multi Meter ID:	--
ISCO End Date and Time:	11-10-2021 11:00	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

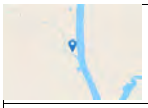
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8513507
Longitude:	-78.8277162



GPS Location (if collected)

Sample/Flow Location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|TAYLOR CRITTENDEN|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	10:05	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				
CAP1221-CFR-BLADEN-121521	12-15-2021 10:15		6.98	10.57	168.90	5.70	143.77	11.77	Clear	None		

Sampling Data

Sampling Method:	Bottle Grab	Tubing Depth (ft):	7.5	Distance to River Right:	39
Sampling Location:	Center of River	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	34
Total Depth to Bottom of Channel (ft):	15	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

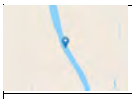
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.7724478519738
Longitude:	-78.7980985907834



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:	GREG GREYWALL|MARK GUERRA|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-20-2021	Time:	15:14	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				
CAP1221-CFR-KINGS-122021	12-20-2021 15:35		7.19	9.27	155.60	0.48	129.87	11.70	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7.5	Distance to River Right:	70
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	37
Total Depth to Bottom of Channel (ft):	14.5	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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	48.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	34.406567390936
Longitude:	-78.2945595222867

GPS Location (if collected)

River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|TAYLOR CRITTENDEN|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-14-2021	Time:	11:40	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				
CAP1221-CFR-RM-76-121421	12-14-2021 11:50		7.66	9.26	453.90	14.13	133.54	14.13	Clear	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	16
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	66
Total Depth to Bottom of Channel (ft):	20	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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|TAYLOR CRITTENDEN|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	10:35	General Comments:	Also collected 24 hour ISCO sample. CAP1221-CFR-TARHEEL-24-121621, 12/15/21 9:16-12/16/21 8:16

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1221-CFR-TARHEEL-121521	12-15-2021 10:50		7.13	10.49	177.80	5.13	149.69	11.08	Clear	None		

Sampling Data

Sampling Method:	Bottle Grab	Tubing Depth (ft):	7.5 Ft	Distance to River Right:	21
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	57
Total Depth to Bottom of Channel (ft):	15	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

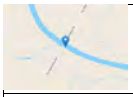
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	46.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7443086025691
Longitude:	-78.7854682438677



GPS Location (if collected)

River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|TAYLOR CRITTENDEN|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-14-2021	Time:	15:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1221-GBC-1-121421	12-14-2021 15:56		4.22	10.05	372.20	3.37	119.38	13.09	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
		Multi Meter ID:	766679	Flow Rate Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21) LL Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	--
Longitude:	--

GPS Location (if collected)

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

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:	Monthly CAP	Event Type:	Sampling
Date:	12-16-2021	Time:	11:28	General Comments:	Used bucket method for flow. Measured how long to fill 250 ml container. Out of three test it was observed that the average time to fill 250 ml was 3.83 seconds. With a 75% capture rate.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1221-LOCK-DAM-NORTH-121621	12-16-2021	11:30	6.04	5.72	12.83	34.42	114.24	17.16	Cloudy	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	3.9
		Multi Meter ID:	706751	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)

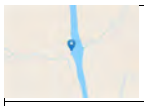
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.833831
Longitude:	-78.8235264



GPS Location (if collected)

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

Sample and flow location

Where stream meets river

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:	Monthly CAP	Event Type:	Sampling
Date:	12-16-2021	Time:	11:05	General Comments:	Flow calculated using bucket method. A 2 liter container was used and three test were conducted. It took an average of 5.2 seconds to fill 2 liters. 75% capture.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1221-LOCK-DAM-SEEP-121621	12-16-2021	11:10	8.53	8.75	60.50	9.34	141.10	14.05	Clear	No		Great deal of foam present at sample location

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	23
		Multi Meter ID:	706751	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)

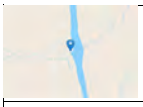
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8338461
Longitude:	-78.8236576



GPS Location (if collected)

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

Flow and sample location

Where stream meets river

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	ARLES PACE|KIRSTEN GARD|TAYLOR CRITTEND	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 24
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-28-2021 Time: 12:44

WATER VOLUME CALCULATION

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

Water Volume = 1.864

Initial Depth to Water (ft.): 16.56 Depth to Well Bottom (ft.): 28.21

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			
13:05	17.09	250.00	1750.00	3.93	0.71	272.80	17.30	118.38	18.88	Clear	No	
13:10	17.10	250.00	1250.00	3.97	0.38	270.00	1.31	116.35	18.91	Clear	No	
13:15	17.10	250.00	1250.00	3.97	0.32	270.60	0.61	116.24	18.97	Clear	No	
13:20	17.10	250.00	1250.00	3.97	0.28	273.10	0.00	116.28	19.01	Clear	No	
13:25	17.10	250.00	1250.00	3.98	0.25	278.20	0.00	116.18	19.01	Clear	No	
13:30	17.10	250.00	1250.00	3.98	0.25	283.50	0.00	115.93	18.95	Clear	No	
13:35	17.10	250.00	1250.00	3.98	0.26	289.80	0.00	115.79	19.09	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-28-2021 Time: 13:35
Field Filtered: No

Purge Start Time: 12:58
Total Volume Purged (mL): 9250

Field Parameters

STABILIZED PARAMETERS	
pH	3.98
Spec. Cond.(µS/cm)	115.79
Turbidity (NTU)	0.00
Temp.(°C)	19.09
DO (mg/L)	0.26
ORP (mV)	289.80

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: CAP1221-LTW-01-122821
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Partly Sunny
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: LTW-02 | Well Diameter: 2 Inches

Samplers: KIRSTEN GARD|TAYLOR CRITTENDEN | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30

Pump Loc: within screen

Method: Peristaltic Pump | Date: 12-28-2021 | Time: 12:40

WATER VOLUME CALCULATION

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

Water Volume = 5.078

Initial Depth to Water (ft.): 8.91 | Depth to Well Bottom (ft.): 40.65

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	9.02	280.00	1120.00	4.95	6.00	302.10	1.62	55.80	18.79	Clear	No	
12:55	9.02	280.00	1400.00	4.91	5.41	304.80	2.66	55.79	18.81	Clear	No	
13:00	9.02	280.00	1400.00	4.81	3.10	286.40	4.02	55.53	18.71	Clear	No	
13:05	9.02	280.00	1400.00	4.74	1.39	322.00	1.98	55.29	18.66	Clear	No	
13:10	9.04	280.00	1400.00	4.72	0.76	339.90	1.91	54.63	18.55	Clear	No	
13:15	9.04	280.00	1400.00	4.77	0.46	298.90	4.05	52.60	18.45	Clear	No	
13:20	9.04	280.00	1400.00	4.84	0.27	260.90	3.81	54.38	18.46	Clear	No	
13:25	9.04	280.00	1400.00	4.91	0.18	231.40	1.15	59.46	18.43	Clear	No	
13:30	9.04	280.00	1400.00	4.94	0.17	218.90	1.37	69.31	18.40	Clear	No	
13:35	9.04	280.00	1400.00	4.93	0.12	211.90	0.17	71.03	18.38	Clear	No	
13:40	9.04	280.00	1400.00	4.94	0.08	207.10	0.00	71.67	--	Clear	None	
13:45	9.04	280.00	1400.00	4.95	0.10	201.00	7.60	73.10	18.36	Clear	No	
13:50	9.04	280.00	1400.00	4.98	0.08	219.70	1.47	65.71	18.67	Clear	None	Changed IN-Situ meters.
13:55	9.04	280.00	1400.00	5	0.08	203.50	2.48	65.19	18.35	Clear	No	
14:00	9.04	280.00	1400.00	5	0.16	190.80	0.80	66.60	18.27	clear	No	
14:05	9.04	280.00	1400.00	4.99	0.08	169.40	1.43	66.68	18.29	Clear	No	
14:10	9.04	280.00	1400.00	5	0.08	150.10	1.87	65.69	18.40	Clear	No	
14:15	9.04	280.00	1400.00	5.01	0.08	135.10	0.81	65.47	18.61	Clear	No	
14:20	9.04	280.00	1400.00	5	0.07	122.70	1.16	63.03	18.19	Clear	No	
14:25	9.04	280.00	1400.00	5	0.07	118.10	0.90	63.69	18.25	Clear		
14:30	9.04	280.00	1960.00	5	0.07	105.10	0.83	63.31	18.25	Clear	No	
14:35	9.04	280.00	1400.00	4.99	0.07	99.70	0.90	61.35	18.22	CleAr	No	
14:40	9.04	280.00	1400.00	5	0.07	95.40	0.58	60.90	18.29	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 12-28-2021 | Time: 14:40

Field Filtered: No

Purge Start Time: 12:46

Total Volume Purged (mL): 32480

Field Parameters

STABILIZED PARAMETERS	
pH	5.00
Spec. Cond.(µS/cm)	60.90
Turbidity (NTU)	0.58
Temp.(°C)	18.29
DO (mg/L)	0.07
ORP (mV)	95.40

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

Sample ID: CAP1221-LTW-02-122821

DuplicateID:

QA/QC:

WEATHER CONDITIONS			
Temperature (F):	66.00	**Water Quality Condition:**	N/A
		Water Clarity:	N/A

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Sky:	Partly Sunny	**Water Color:**	N/A
Precipitation:	None	**Water Odor:**	N/A
Wind (mph)	10		

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-08-2021 Time: 14:55

WATER VOLUME CALCULATION

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

Water Volume = 3.224

Initial Depth to Water (ft.): 12.65 Depth to Well Bottom (ft.): 32.8

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			
15:05	12.92	250.00	1500.00	4.27	1.55	251.60	22.20	101.80	16.88	Clear	No	
15:10	13.05	250.00	1250.00	4.38	0.80	239.70	15.16	98.21	17.08	Clear	No	
15:15	13.16	250.00	1250.00	4.45	0.41	272.30	10.01	97.33	17.04	Clear	None	
15:20	13.23	250.00	1250.00	4.47	0.33	221.00	2.26	97.68	16.90	Clear	None	
15:25	13.27	250.00	1250.00	4.47	0.27	217.30	0.66	98.97	16.88	Clear	No	
15:30	13.27	250.00	1250.00	4.46	0.27	215.80	0.44	97.41	16.82	Clear	None	
15:35	13.31	250.00	1250.00	4.46	0.26	213.70	0.51	96.85	16.88	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-08-2021 Time: 15:40
Field Filtered: No

Purge Start Time: 14:59
Total Volume Purged (mL): 9000

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	96.85
Turbidity (NTU)	0.51
Temp.(°C)	16.88
DO (mg/L)	0.26
ORP (mV)	213.70

Screen Interval: 15.0-30.0

SAMPLE SET

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

Sample ID: CAP1221-LTW-03-120821
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	42.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

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:	LTW-04	Well Diameter:	2 Inches
Samplers:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-06-2021 Time: 10:10

WATER VOLUME CALCULATION

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

Water Volume = 3.238

Initial Depth to Water (ft.): 8.24 Depth to Well Bottom (ft.): 28.48

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:10	8.24	320.00	0.00	6.39	1.12	-78.30	33.55	104.40	17.40	Clear	None	
10:15	11.05	320.00	1600.00	4.43	1.73	232.00	52.39	84.14	17.80	Clear	None	
10:20	13.15	320.00	1600.00	4.46	1.49	247.70	44.64	84.26	17.73	Clear	None	
10:25	13.16	320.00	1600.00	4.47	1.34	244.60	50.70	84.53	17.71	Clear	None	
10:30	14.62	320.00	1600.00	4.5	0.97	241.20	50.04	84.15	17.75	Clear	None	
10:35	15.40	320.00	1600.00	4.55	0.75	235.30	60.57	83.60	17.84	Clear	None	
10:40	15.40	200.00	1000.00	4.65	0.17	220.20	56.13	84.10	17.80	Clear	None	
10:45	15.45	200.00	1000.00	4.68	0.19	208.70	54.15	83.51	17.92	Clear	None	
10:50	15.45	200.00	1000.00	4.69	0.20	201.50	54.79	83.66	18.19	Clear	None	
10:55	15.45	200.00	1000.00	4.7	0.24	203.50	50.14	83.75	18.31	Clear	None	
11:00	15.45	200.00	1000.00	4.68	0.24	204.30	45.10	83.13	18.37	Clear	None	
11:05	15.45	200.00	1000.00	4.68	0.23	202.90	47.09	83.17	18.46	Clear	None	
11:10	15.45	200.00	1000.00	4.74	0.22	204.20	28.26	83.59	18.48	Clear	None	
11:20	15.45	200.00	2000.00	4.68	0.21	203.90	20.95	83.26	18.58	Clear	None	
11:25	15.45	200.00	1000.00	4.66	0.21	207.50	18.51	83.70	18.56	Clear	None	
11:30	15.45	200.00	1000.00	4.71	0.20	206.00	15.87	83.75	18.65	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-06-2021 Time: 11:35
Field Filtered: No
Purge Start Time: 10:10
Total Volume Purged (mL): 19000

Field Parameters

STABILIZED PARAMETERS	
pH	4.71
Spec. Cond.(µS/cm)	83.75
Turbidity (NTU)	15.87
Temp.(°C)	18.65
DO (mg/L)	0.20
ORP (mV)	206.00

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)

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

Sample ID: CAP1221-LTW-04-120621
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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

Purging Data

Pump Depth: 42
Pump Loc: Screen
Method: Peristaltic Pump Date: 12-22-2021 Time: 14:23

WATER VOLUME CALCULATION

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

Water Volume = 6.064

Initial Depth to Water (ft.): 9.15 Depth to Well Bottom (ft.): 47.05

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			
14:40	9.27	250.00	1250.00	3.8	0.39	286.40	29.93	122.66	17.33	None	None	
14:45	9.29	250.00	1250.00	3.73	0.29	293.50	28.74	119.78	17.20	None	None	
14:50	9.29	250.00	1250.00	3.78	0.20	278.60	38.76	114.47	17.00	None	None	
14:55	9.29	250.00	1250.00	3.8	0.16	261.80	31.63	113.81	17.14	None	None	
15:00	9.29	250.00	1250.00	3.84	0.13	243.30	33.09	113.99	17.13	None	None	
15:05	9.29	250.00	1250.00	3.88	0.11	226.90	26.87	114.01	17.08	None	None	
15:10	9.29	250.00	1250.00	3.92	0.10	202.30	24.37	113.66	16.81	None	None	
15:15	9.29	250.00	1250.00	3.95	0.10	194.30	27.34	113.56	16.76	None	None	
15:20	9.29	250.00	1250.00	4.01	0.10	179.90	26.95	112.61	16.93	None	None	
15:25	9.29	200.00	1000.00	4.07	0.10	159.30	25.30	112.34	17.03	Clear	None	
15:30	9.29	300.00	1500.00	3.97	0.10	171.40	14.44	125.01	17.40	Clear	None	
15:35	9.29	300.00	1500.00	4.12	0.10	169.10	18.58	112.75	16.98	Clear	None	
15:40	9.29	300.00	1500.00	4.13	0.10	160.00	15.53	113.23	17.03	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-22-2021 Time: 15:40
Field Filtered: No

Purge Start Time: 14:35
Total Volume Purged (mL): 16750

Field Parameters

STABILIZED PARAMETERS	
pH	4.13
Spec. Cond.(µS/cm)	113.23
Turbidity (NTU)	15.53
Temp.(°C)	17.03
DO (mg/L)	0.10
ORP (mV)	160.00

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: CAP1221-LTW-05-122221
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

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:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	12:37	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				
CAP1221-OLDOF-1-15-121521	12/15/2021 3:36		6.02	12.00	138.00	1.90	189.25	15.63	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 13:36	Multi Meter ID:	--
ISCO End Date and Time:	12/15/2021 3:36	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

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.8318003516153
Longitude:	-78.823756243913

GPS Location (if collected)

ISCO at sample location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	14:31	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				
CAP1221-OUTFALL-002-24-121521	12-15-2021 14:04		7.35	9.94	96.30	7.47	131.83	22.57	None	No	MS|REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 15:04	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 14:04	Old Outfall Bypass(Yes/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+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.8384469809965
Longitude:	-78.8285214416699

GPS Location (if collected)

ISCO at Location

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-27-2021 Time: 11:29

WATER VOLUME CALCULATION

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

Water Volume = 1.986

Initial Depth to Water (ft.): 19.31 Depth to Well Bottom (ft.): 31.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:45	19.39	310.00	2170.00	3.55	0.16	319.60	76.60	168.07	17.25	Cloudy	No	
11:50	19.39	310.00	1550.00	3.53	0.09	349.30	158.00	171.19	17.26	Cloudy	No	
11:55	19.39	310.00	1550.00	3.53	0.07	361.30	109.00	171.22	17.29	Cloudy	No	
12:00	19.38	310.00	1550.00	3.53	0.09	365.90	73.20	171.09	17.34	Cloudy	No	
12:05	19.38	310.00	1550.00	3.54	0.05	366.50	26.20	170.78	17.39	Clear	No	
12:10	19.38	310.00	1550.00	3.54	0.05	367.70	18.10	171.10	17.35	Clear	No	
12:15	19.38	310.00	1550.00	3.53	0.05	367.00	15.30	170.77	17.41	Clear	No	
12:20	19.38	310.00	1550.00	3.54	0.05	366.90	13.64	170.65	17.50	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-27-2021 Time: 12:20
Field Filtered: No

Purge Start Time: 11:38
Total Volume Purged (mL): 13020

Field Parameters

STABILIZED PARAMETERS	
pH	3.54
Spec. Cond.(µS/cm)	170.65
Turbidity (NTU)	13.64
Temp.(°C)	17.50
DO (mg/L)	0.05
ORP (mV)	366.90

Screen Interval: 24.5 to 29.5

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

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

Sample ID: CAP1221-PIW-1D-122721
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	61.00
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-1S	Well Diameter:	2 Inches
Samplers:	GREG GREYWALL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: --
Method: -- Date: 12-21-2021 Time: 13:30

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			
--	--	--	--	--	--	--	--	--	--	--	--	Well dry

Sampling Data

Zero HS: --
Method: -- Date: -- Time: --
Field Filtered: --

Purge Start Time: --
Total Volume Purged (mL): --

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)

ALL PARAMETERS ANALYZED
--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
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:	PIW-3D	Well Diameter:	2 Inches
Samplers:	GREG GREYWALL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-21-2021 Time: 14:37

WATER VOLUME CALCULATION

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

Water Volume = 1.632

Initial Depth to Water (ft.): 17.59 Depth to Well Bottom (ft.): 27.79

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			
14:47	17.93	290.00	1450.00	4.54	0.22	144.10	9.39	85.40	16.07	Clear	None	
14:52	17.90	290.00	1450.00	4.52	0.08	110.00	6.58	89.01	16.09	None	None	
14:57	17.91	290.00	1450.00	4.53	0.05	97.50	3.97	88.37	16.22	Clear	None	
15:02	17.91	290.00	1450.00	4.56	0.05	90.10	1.77	87.11	16.30	Clear	None	
15:07	17.91	290.00	1450.00	4.57	0.05	86.10	1.12	86.05	15.38	Clear	None	
15:12	17.95	290.00	1450.00	4.58	0.05	84.30	1.61	94.27	16.33	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-21-2021 Time: 15:12
Field Filtered: No

Purge Start Time: 14:42
Total Volume Purged (mL): 8700

Field Parameters

STABILIZED PARAMETERS	
pH	4.58
Spec. Cond.(µS/cm)	94.27
Turbidity (NTU)	1.61
Temp.(°C)	16.33
DO (mg/L)	0.05
ORP (mV)	84.30

Screen Interval: 19 - 24

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

Sample ID: CAP1221-PIW-3D-122121
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

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:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: above screen
Method: Peristaltic Pump Date: 12-06-2021 Time: 13:10

WATER VOLUME CALCULATION

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

Water Volume = 5.07

Initial Depth to Water (ft.): 5.41 Depth to Well Bottom (ft.): 37.1

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:25	5.41	300.00	300.00	4.66	1.41	-202.90	46.09	87.40	22.27	Clear	Slight	
13:30	5.42	300.00	1500.00	5.06	0.32	-64.50	3.52	82.51	18.94	Clear	Slight	
13:35	5.42	300.00	1500.00	4.93	0.15	-83.10	2.49	80.69	18.70	Clear	Slight	
13:40	5.42	300.00	1500.00	4.81	0.10	-86.50	2.72	80.04	18.59	Clear	Slight	
13:45	5.42	300.00	1500.00	4.73	0.09	-85.10	5.76	80.35	18.46	Clear	Slight	
13:50	5.42	300.00	1500.00	4.43	0.08	-67.40	17.43	85.99	18.43	Clear	Slight	
13:55	5.42	300.00	1500.00	4.23	0.07	-45.10	19.91	90.63	18.34	Clear	Slight	
14:00	5.42	300.00	1500.00	4.18	0.06	-27.20	15.89	92.43	18.38	Clear	Slight	
14:05	5.42	300.00	1500.00	4.17	0.06	-17.40	12.18	93.05	18.39	Clear	Slight	
14:10	5.42	300.00	1500.00	4.17	0.06	-9.10	10.55	93.42	18.31	Clear	Slight	
14:15	5.42	300.00	1500.00	4.17	0.07	-2.40	6.13	93.77	18.32	Clear	Slight	
14:20	5.42	300.00	1500.00	4.18	0.05	0.40	3.88	93.48	18.18	Clear	Slight	
14:25	5.42	300.00	1500.00	4.17	0.06	6.90	1.86	94.49	18.40	Clear	Slight	
14:30	5.42	300.00	1500.00	4.16	0.05	12.80	1.53	95.08	18.27	Clear	Slight	
14:35	5.42	300.00	1500.00	4.16	0.05	15.50	0.57	95.28	18.21	Clear	Slight	
14:40	5.42	300.00	1500.00	4.16	0.05	22.60	1.32	95.45	18.25	Clear	Slight	
14:45	5.42	300.00	1500.00	4.16	0.05	22.90	2.30	95.73	18.14	Clear	Slight	
14:50	5.42	300.00	1500.00	4.16	0.05	23.90	0.39	95.56	18.43	Clear	Slight	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-06-2021 Time: 14:55
Field Filtered: No

Purge Start Time: 13:24
Total Volume Purged (mL): 25800

Field Parameters

STABILIZED PARAMETERS	
pH	4.16
Spec. Cond.(µS/cm)	95.56
Turbidity (NTU)	0.39
Temp.(°C)	18.43
DO (mg/L)	0.05
ORP (mV)	23.90

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: CAP1221-PIW-7D-120621
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	18

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:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	10				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	12-06-2021	Time:	15:00

WATER VOLUME CALCULATION

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

Water Volume =	2.4		
Initial Depth to Water (ft.):	5.23	Depth to Well Bottom (ft.):	20.23

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:05	5.23	300.00	600.00	4.76	0.52	59.60	35.07	133.55	19.35	Floating sediment	Slight	
15:10	5.65	300.00	1500.00	5.24	0.18	67.40	22.97	140.06	18.80	Floating sediment	Slight	
15:15	5.68	300.00	1500.00	5.26	0.10	57.00	89.10	139.88	18.67	Orange sediment flakes	Slight	
15:20	5.71	300.00	1500.00	5.26	0.08	59.10	114.52	140.04	18.75	Floating orange sediment	Slight	
15:25	5.71	300.00	1500.00	5.3	0.06	30.50	102.56	142.62	18.63	Sediment	Slight	
15:30	5.72	300.00	1500.00	5.32	0.06	-3.90	73.15	142.70	18.48	Sediment	Slight	
15:35	5.72	300.00	1500.00	5.37	0.06	-27.30	28.15	144.02	18.54	Sediment	Slight	
15:40	5.72	300.00	1500.00	5.45	0.00	-41.40	21.64	145.98	18.41	Sediment	Slight	
15:45	5.72	300.00	1500.00	5.55	0.05	-47.20	11.63	150.00	18.29	Sediment	Slight	
15:50	5.72	300.00	1500.00	5.58	0.02	-44.80	12.89	151.46	18.25	Sediment	Slight	
15:55	5.72	300.00	1500.00	5.64	0.03	-41.10	7.83	153.09	18.33	Sediment	Slight	
16:00	5.72	300.00	1500.00	5.69	0.03	-41.30	7.66	158.03	18.40	Sediment	Slight	
16:05	5.72	300.00	1500.00	5.7	0.03	-40.50	5.80	157.88	18.42	Sediment	Slight	

Sampling Data

Zero HS:	--				
Method:	Low Flow	Date:	12-06-2021	Time:	16:05
Field Filtered:	No				

Purge Start Time:	15:03
Total Volume Purged (mL):	18600

Field Parameters

STABILIZED PARAMETERS	
pH	5.70
Spec. Cond.(µS/cm)	157.88
Turbidity (NTU)	5.80
Temp.(°C)	18.42
DO (mg/L)	0.03
ORP (mV)	-40.50

Screen Interval: 7 - 17

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

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

Sample ID:	CAP1221-PIW-7S-120621
DuplicateID:	
QA/QC:	

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	16

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

Purging Data

Pump Depth: 30.5
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 12-27-2021 Time: 09:31

WATER VOLUME CALCULATION

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

Water Volume = 0.379

Initial Depth to Water (ft.): 28.43 Depth to Well Bottom (ft.): 30.8

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			
09:40	28.93	140.00	420.00	2.93	2.99	399.30	84.30	799.89	15.48	Cloudy	No	
09:45	29.25	140.00	700.00	2.9	0.90	398.10	60.20	730.31	16.47	Cloudy	No	
09:50	29.52	140.00	700.00	2.94	0.65	388.30	56.20	660.61	16.55	Cloudy	No	
09:55	28.89	140.00	700.00	3.04	0.44	376.00	40.60	543.86	16.55	Cloudy	No	
10:00	30.32	140.00	700.00	3.15	0.46	365.30	27.80	495.42	16.47	Clear	No	
10:05	30.60	140.00	700.00	3.11	1.09	364.80	36.10	520.58	16.59	Clear	No	Well dry: pumped 3,220 ml out of 7,305 needed.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --

Purge Start Time: 09:37
Total Volume Purged (mL): 3220

Field Parameters

STABILIZED PARAMETERS	
pH	3.11
Spec. Cond.(µS/cm)	520.58
Turbidity (NTU)	36.10
Temp.(°C)	16.59
DO (mg/L)	1.09
ORP (mV)	364.80

Screen Interval: 17 - 27

SAMPLE SET

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

ALL PARAMETERS ANALYZED

--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Partly 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:	PW-04	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30.5
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 12-27-2021 Time: 12:41

WATER VOLUME CALCULATION

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

Water Volume = 0.283

Initial Depth to Water (ft.): 29.03 Depth to Well Bottom (ft.): 30.8

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	29.56	150.00	450.00	3.1	1.39	364.00	46.10	620.56	19.39	Cloudy	No	
12:50	29.59	150.00	750.00	3.06	1.08	367.10	56.40	643.95	19.49	Cloudy	No	
12:55	30.45	150.00	750.00	3.06	0.94	364.60	60.80	636.36	19.75	Cloudy	No	Dry at 12:56. Pumped 2100 ml. Total pumped is 5,320 ml out of 7305 ml needed.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --

Purge Start Time: 12:42
Total Volume Purged (mL): 2100

Field Parameters

STABILIZED PARAMETERS	
pH	3.06
Spec. Cond.(µS/cm)	636.36
Turbidity (NTU)	60.80
Temp.(°C)	19.75
DO (mg/L)	0.94
ORP (mV)	364.60

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

--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-04	Well Diameter:	2 Inches
Samplers:	KIRSTEN GARD|TAYLOR CRITTENDEN	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 28
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-28-2021 Time: 11:25

WATER VOLUME CALCULATION

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

Water Volume = 0.382

Initial Depth to Water (ft.): 28.43 Depth to Well Bottom (ft.): 30.82

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:40	29.05	150.00	600.00	3.2	1.03	391.80	21.23	631.85	18.95	Cloudy	No	
11:45	29.72	150.00	750.00	3.13	0.32	395.50	238.20	576.18	19.05	Cloudy	No	
11:50	30.22	150.00	750.00	3.14	0.27	397.70	133.97	567.30	19.26	Cloudy	No	
11:55	30.80	150.00	750.00	3.24	0.29	374.40	32.21	507.84	19.09	Clear	No	Purged five well volumes, will sample recharge.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: 12/28/2021 Time: 11:55
Field Filtered: Yes

Purge Start Time: 11:36
Total Volume Purged (mL): 2850

Field Parameters

STABILIZED PARAMETERS	
pH	3.24
Spec. Cond.(µS/cm)	507.84
Turbidity (NTU)	32.21
Temp.(°C)	19.09
DO (mg/L)	0.29
ORP (mV)	374.40

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: CAP1221-PW-04-122821
DuplicateID: CAP1221-PW-04-122821-Z
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	11

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-06	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 26
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-06-2021 Time: 12:31

WATER VOLUME CALCULATION

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

Water Volume = 2.125

Initial Depth to Water (ft.): 19.49 Depth to Well Bottom (ft.): 32.77

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			
12:45	20.72	300.00	1500.00	5.87	0.15	-160.30	24.34	55.77	18.21	Clear	None	
12:50	21.04	300.00	1500.00	4.91	1.83	-3.90	8.09	43.61	18.41	Clear	None	
12:55	21.04	300.00	1500.00	4.6	4.88	105.20	5.38	41.46	18.44	Clear	None	
13:00	21.05	300.00	1500.00	4.53	4.80	134.90	4.16	45.26	18.47	Clear	None	
13:05	21.05	300.00	1500.00	4.33	3.72	146.80	5.28	49.80	18.41	Clear	None	
13:10	21.05	300.00	1500.00	4.31	3.37	173.90	5.43	49.07	18.53	Clear	None	
13:15	21.06	300.00	1500.00	4.33	3.18	182.90	4.01	49.60	18.59	Clear	None	
13:20	21.06	300.00	1500.00	4.38	2.97	200.40	1.83	49.65	18.89	Clear	None	
13:25	21.05	300.00	1500.00	4.4	2.91	213.90	1.34	49.50	19.60	Clear	None	
13:30	21.06	300.00	1500.00	4.41	2.98	220.40	1.39	49.25	20.28	Clear	None	
13:35	21.04	300.00	1500.00	4.35	2.66	207.60	4.72	48.11	18.34	Clear	None	
13:40	21.10	300.00	1500.00	4.34	2.77	209.40	5.40	48.00	18.34	Clear	None	
13:45	21.21	300.00	1500.00	4.33	2.40	208.70	2.67	47.19	18.36	Clear	None	
13:50	21.31	300.00	1500.00	4.35	4.06	211.90	1.90	45.72	18.30	Clear	None	
13:55	21.36	300.00	1500.00	4.32	3.71	219.40	3.29	47.47	18.36	Clear	None	
14:00	21.41	300.00	1500.00	4.33	3.21	221.00	2.09	46.57	18.41	Clear	None	
14:05	21.44	300.00	1500.00	4.34	2.95	220.30	1.56	47.95	18.30	Clear	None	
14:10	21.56	300.00	1500.00	4.35	2.84	221.60	1.03	47.36	18.37	Clear	None	
14:15	21.41	300.00	1500.00	4.36	2.82	221.20	0.67	47.27	18.33	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-06-2021 Time: 14:15
Field Filtered: No

Purge Start Time: 12:40
Total Volume Purged (mL): 28500

Field Parameters

STABILIZED PARAMETERS	
pH	4.36
Spec. Cond.(µS/cm)	47.27
Turbidity (NTU)	0.67
Temp.(°C)	18.33
DO (mg/L)	2.82
ORP (mV)	221.20

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)

Sample ID: CAP1221-PW-06-120621
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

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-07	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: bottom of well
Method: Bailer Date: 12-06-2021 Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 0.29

Initial Depth to Water (ft.): 39.97 Depth to Well Bottom (ft.): 41.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:10	--	1500.00	1500.00	6.96	6.33	64.70	109.00	270.63	20.41	Cloudy	None	Begin bailing for five well volumes

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --

Purge Start Time: 12:09
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	6.96
Spec. Cond.(µS/cm)	270.63
Turbidity (NTU)	109.00
Temp.(°C)	20.41
DO (mg/L)	6.33
ORP (mV)	64.70

Screen Interval: 28 - 38

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

ALL PARAMETERS ANALYZED
--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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-07	Well Diameter:	2 Inches
Samplers:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: --
Method: Bailer Date: 12-07-2021 Time: 13:55

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			
14:00	--	--	250.00	5.65	8.16	170.40	5.85	39.48	17.26	Clear	No	Second Purge

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --
Purge Start Time: --
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	5.65
Spec. Cond.(µS/cm)	39.48
Turbidity (NTU)	5.85
Temp.(°C)	17.26
DO (mg/L)	8.16
ORP (mV)	170.40

Screen Interval: 28 - 38

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

ALL PARAMETERS ANALYZED
--

Sample ID: --
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	7

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-07	Well Diameter:	2 Inches
Samplers:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: bottom of well
Method: Bailer Date: 12-08-2021 Time: 13:45

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			
13:45	--	--	0.00	5.19	8.66	198.40	1.00	30.80	17.93	Clear	None	NTU Under 20, will sample recharge.

Sampling Data

Zero HS: --
Method: Purge Dry Under 20 NTU Date: 12/8/2021 Time: 13:45
Field Filtered: No

Purge Start Time: --
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	5.19
Spec. Cond.(µS/cm)	30.80
Turbidity (NTU)	1.00
Temp.(°C)	17.93
DO (mg/L)	8.66
ORP (mV)	198.40

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: CAP1221-PW-07-120821
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	39.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

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-09 | Well Diameter: 2 Inches

Samplers: JOSEPH ELYEA|LUKE TART | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 52

Pump Loc: within screen

Method: Double valve pump | Date: 12-16-2021 | Time: 11:05

WATER VOLUME CALCULATION

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

Water Volume = 5.238

Initial Depth to Water (ft.): 24.96 | Depth to Well Bottom (ft.): 57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	27.20	400.00	2000.00	11.44	0.53	47.80	22.71	469.38	16.99	Clear	None	
11:35	28.68	400.00	2000.00	11.42	0.45	33.80	18.57	460.28	17.04	Clear	No	
11:40	29.71	400.00	2000.00	11.44	0.40	21.20	26.10	453.69	17.08	Clear	No	
11:45	30.10	400.00	2000.00	9.85	0.10	45.60	198.98	149.02	17.09	Cloudy	No	
11:50	30.54	400.00	2000.00	9.32	0.05	-28.40	166.66	130.55	17.15	Cloudy	No	
11:55	30.64	400.00	2000.00	9.15	0.04	-169.00	161.92	121.05	17.14	Cloudy	No	
12:00	30.81	400.00	2000.00	8.6	0.03	-243.60	129.33	114.16	17.22	Slightly cloudy	No	
12:05	30.95	400.00	2000.00	8.03	0.02	-184.60	141.25	106.91	17.19	Sightly cloudy	No	
12:10	30.98	400.00	2000.00	7.6	0.02	-141.80	159.36	102.42	17.20	Cloudy	No	
12:15	30.95	400.00	2000.00	7.41	0.02	-122.30	123.81	98.94	17.23	Mostly clear	No	
12:20	31.00	400.00	2000.00	7.24	0.01	-105.50	97.11	96.74	96.93	Cloudy	None	
12:25	31.04	400.00	2000.00	7.13	0.02	-94.30	121.44	94.34	17.26	Mostly clear	No	
12:30	31.05	400.00	2000.00	7.03	0.01	-89.60	79.76	92.67	17.31	Clear	No	
12:35	31.06	400.00	2000.00	7.02	0.01	-81.40	74.64	91.76	17.31	Clear	No	
12:40	31.00	400.00	2000.00	6.93	0.01	-73.30	74.69	88.19	17.26	Cloudy	None	
12:45	31.04	400.00	2000.00	6.84	0.01	-76.80	86.94	87.70	17.27	Cloudy	None	
12:50	31.06	400.00	2000.00	6.84	0.02	-71.90	68.96	87.20	17.29	Cloudy	None	
12:55	31.50	400.00	2000.00	6.91	0.01	-74.70	88.98	87.04	17.72	Cloudy	None	
13:00	31.60	600.00	3000.00	9.25	0.50	-226.30	71.79	116.27	17.31	Cloudy	None	
13:05	32.67	600.00	3000.00	9.12	0.36	-202.50	75.67	113.09	17.31	Clear	No	
13:10	33.15	600.00	3000.00	8.63	0.32	-220.80	81.69	101.78	17.32	Clear	No	
13:15	33.55	600.00	3000.00	8.04	0.24	-183.70	98.37	97.15	17.36	Cloudy	None	
13:20	34.81	600.00	3000.00	7.37	0.25	-99.90	78.72	91.99	17.38	Cloudy	None	
13:25	33.99	600.00	3000.00	7.11	0.28	0.32	81.81	90.07	17.39	Clear	No	
13:30	34.04	600.00	3000.00	7.04	0.27	-63.50	91.69	88.12	17.40	Cloudy	None	
13:35	34.06	600.00	3000.00	6.95	0.35	-53.80	73.05	85.01	17.39	Clear	No	
13:40	34.10	600.00	3000.00	6.85	0.28	-48.40	68.90	83.87	17.41	Clear	No	
13:45	34.10	600.00	3000.00	6.73	0.25	-50.20	75.13	82.83	17.42	Cloudy	None	
13:50	34.05	600.00	3000.00	6.69	0.27	-48.90	76.05	82.01	17.43	Cloudy	None	
13:55	34.22	600.00	3000.00	6.68	0.28	-43.40	69.71	81.37	17.40	Clear	No	
14:00	34.22	600.00	3000.00	6.74	0.36	-42.10	78.15	80.45	17.41	Cloudy	None	
14:05	34.23	600.00	3000.00	6.72	0.27	-42.40	62.69	80.24	17.44	Cloudy	None	
14:10	34.19	600.00	3000.00	6.7	0.35	-44.50	71.41	80.04	17.40	Cloudy	None	
14:15	34.10	600.00	3000.00	6.65	0.30	-44.60	59.27	79.60	17.39	Cloudy	None	
14:20	34.21	600.00	3000.00	6.66	0.28	-43.40	57.46	79.39	17.36	Cloudy	None	
14:25	34.12	600.00	3000.00	6.6	0.28	-46.80	64.20	78.80	17.38	Cloudy	None	
14:30	34.17	600.00	3000.00	6.64	0.28	-54.80	47.67	79.15	17.36	Cloudy	None	
14:35	34.19	600.00	3000.00	6.58	0.29	-43.70	67.76	78.51	17.35	Cloudy	None	
14:40	34.17	600.00	3000.00	6.64	0.29	-42.70	60.54	78.18	17.34	Cloudy	None	
14:45	34.16	600.00	3000.00	6.61	0.25	-43.70	59.49	78.56	17.36	Cloudy	None	

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: 12-16-2021 | Time: 14:45

Field Filtered: Yes

Purge Start Time: 11:25

Total Volume Purged (mL): 102000

Field Parameters

STABILIZED PARAMETERS	SAMPLE SET

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pH	6.61
Spec. Cond.(µS/cm)	78.56
Turbidity (NTU)	59.49
Temp.(°C)	17.36
DO (mg/L)	0.25
ORP (mV)	-43.70

Screen Interval:

44 - 54

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:	CAP1221-PW-09-121621
DuplicateID:	CAP1221-PW-09-121621-Z
QA/QC:	

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

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	3/4 Inches
Samplers:	KIRSTEN GARD|LUIS TORRES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 40
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-06-2021 Time: 11:49

WATER VOLUME CALCULATION

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

Water Volume = 1.788

Initial Depth to Water (ft.): 7.13 Depth to Well Bottom (ft.): 50.75

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:50	7.13	300.00	0.00	4.56	0.36	218.20	75.29	93.80	18.42	Cloudy	None	Diameter to small to get DTW
11:55	--	300.00	1500.00	4.48	0.22	213.70	133.66	93.55	18.22	Cloudy	None	
12:00	--	300.00	1500.00	4.57	0.13	175.20	199.17	92.26	18.17	Cloudy	None	
12:05	--	300.00	1500.00	4.54	0.10	157.30	102.05	92.81	18.23	Cloudy	None	
12:10	--	300.00	1500.00	4.51	0.08	155.40	59.30	93.23	18.24	Clear	None	
12:15	--	300.00	1500.00	4.49	0.07	153.10	31.24	93.60	18.29	Clear	None	
12:20	--	300.00	1500.00	4.48	0.06	148.60	9.10	93.77	18.08	Clear	None	
12:25	--	300.00	1500.00	4.47	0.06	142.20	3.41	93.96	18.24	Clear	None	
12:30	--	300.00	1500.00	4.46	0.05	136.50	3.02	94.16	18.41	Clear	None	
12:35	--	300.00	1500.00	4.47	0.05	129.60	0.64	94.24	18.54	Clear	None	
12:40	--	300.00	1500.00	4.46	0.05	124.90	0.14	94.38	18.45	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-06-2021 Time: 12:40
Field Filtered: No
Purge Start Time: 11:50
Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	94.38
Turbidity (NTU)	0.14
Temp.(°C)	18.45
DO (mg/L)	0.05
ORP (mV)	124.90

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: CAP1221-PZ-22-120621
DuplicateID: CAP1221-PZ-22-120621-D
QA/QC: Dup|MS|Rep

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

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

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:	RIVER WATER INTAKE2	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	13:14	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				
RIVER-WATER-INTAKE2-24-121521	12-15-2021	10:06	7.09	8.56	149.80	0.41	195.05	18.60	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 11:06	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 10:06	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

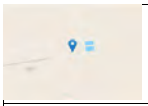
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8434531768244
Longitude:	-78.8355108168957



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	09:08	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				
CAP1221-SEEP-A-EFF-17-121521	12/15/2021 3:48		6.76	4.17	100.40	0.41	116.59	13.93	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 11:48	Multi Meter ID:	--
ISCO End Date and Time:	12/15/2021 3:48	Old Outfall Bypass(Yes/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)

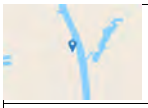
ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	52.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8450581331742
Longitude:	-78.8252895587271



GPS Location (if collected)

ISCO at Effluent

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	12:14	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				
CAP1221-SEEP-B-EFF-24-121521	12-15-2021	11:12	6.65	3.46	161.30	1.10	159.35	16.30	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 12:12	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 11:12	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

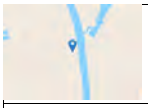
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8422717329141
Longitude:	-78.8249647641608



GPS Location (if collected)

ISCO at Effluent

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	14:24	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				
CAP1221-SEEP-C-EFF-24-121521	12-15-2021 13:24		6.48	5.18	152.50	29.10	164.11	15.61	Clear	None	DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 14:24	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 13:24	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

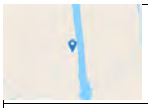
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.8383836330832
Longitude:	-78.8243750943768



GPS Location (if collected)

ISCO at Effluent

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-EFF	Project Manager:	Tracy Ovbey
Samplers:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	12:02	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				
CAP1221-SEEP-D-EFF-24-121521	12-15-2021	11:54	6.33	3.21	156.50	0.53	129.89	15.23	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 12:54	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 11:54	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

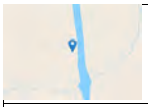
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8373115209058
Longitude:	-78.8242955142173



GPS Location (if collected)

ISCO at effluent

PARSONS

RECORD OF WELL SAMPLING

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

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

Purging Data

Pump Depth: 45

Pump Loc: within screen

Method: Peristaltic Pump | Date: 12-27-2021 | Time: 10:30

WATER VOLUME CALCULATION

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

Water Volume = 3.626

Initial Depth to Water (ft.): 29.4 | Depth to Well Bottom (ft.): 52.06

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:40	29.41	160.00	800.00	4.9	0.66	244.90	19.70	99.35	16.39	Clear	No	
10:45	29.41	160.00	800.00	5.14	0.35	204.10	9.40	88.90	16.40	Clear	No	
10:50	29.41	160.00	800.00	5.29	0.23	183.80	4.20	86.49	16.46	Clear	No	
10:55	29.41	160.00	800.00	5.3	0.20	177.60	3.31	86.61	16.65	Clear	No	
11:00	29.41	160.00	800.00	5.32	0.17	173.20	3.06	86.29	16.63	Clear	No	
11:05	29.41	160.00	800.00	5.32	0.18	166.40	3.81	86.31	16.89	Clear	No	
11:10	29.41	160.00	800.00	5.33	0.18	162.30	4.16	86.39	16.98	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 12-27-2021 | Time: 11:10

Field Filtered: No

Purge Start Time: 10:35

Total Volume Purged (mL): 5600

Field Parameters

STABILIZED PARAMETERS	
pH	5.33
Spec. Cond.(µS/cm)	86.39
Turbidity (NTU)	4.16
Temp.(°C)	16.98
DO (mg/L)	0.18
ORP (mV)	162.30

Screen Interval: 39 to 49

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

Sample ID: CAP1221-SMW-10-122721

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Partly 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:	SMW-11	Well Diameter:	2 Inches
Samplers:	JOSEPH ELYEA|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 12-16-2021 Time: 10:15

WATER VOLUME CALCULATION

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

Water Volume = 1.925

Initial Depth to Water (ft.): 13.74 Depth to Well Bottom (ft.): 25.77

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			
10:35	13.82	240.00	1200.00	4.26	4.86	312.70	1.72	55.16	16.62	Clear	None	
10:40	13.81	240.00	1200.00	4.25	4.59	324.70	0.21	53.59	16.69	Clear	None	
10:45	13.81	240.00	1200.00	4.23	4.73	333.30	1.72	53.61	16.77	Clear	None	
10:50	13.82	240.00	1200.00	4.22	4.70	335.80	0.34	54.81	16.84	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-16-2021 Time: 10:50
Field Filtered: No

Purge Start Time: 10:30
Total Volume Purged (mL): 4800

Field Parameters

STABILIZED PARAMETERS	
pH	4.22
Spec. Cond.(µS/cm)	54.81
Turbidity (NTU)	0.34
Temp.(°C)	16.84
DO (mg/L)	4.70
ORP (mV)	335.80

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: CAP1221-SMW-11-121621
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	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:	SMW-12	Well Diameter:	2 Inches
Samplers:	GREG GREYWALL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 90
Pump Loc: within screen
Method: Double valve pump Date: 12-21-2021 Time: 11:53

WATER VOLUME CALCULATION

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

Water Volume = 2.842

Initial Depth to Water (ft.): 84.26 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			
12:32	84.28	250.00	1250.00	3.63	0.25	208.40	26.72	245.17	15.53	None	None	
12:37	84.28	250.00	1250.00	3.68	0.18	202.40	21.39	246.32	15.68	None	None	
12:42	84.28	250.00	1250.00	3.69	0.09	196.20	16.79	247.32	15.73	None	None	
12:47	84.28	250.00	1250.00	3.7	0.09	190.40	13.04	247.40	15.70	None	None	
12:52	84.28	250.00	1250.00	3.7	0.09	188.60	5.60	246.10	15.70	None	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 12-21-2021 Time: 12:52
Field Filtered: No

Purge Start Time: 12:27
Total Volume Purged (mL): 6250

Field Parameters

STABILIZED PARAMETERS	
pH	3.70
Spec. Cond.(µS/cm)	246.10
Turbidity (NTU)	5.60
Temp.(°C)	15.70
DO (mg/L)	0.09
ORP (mV)	188.60

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: CAP1221-SMW-12-122121
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

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:	GREG GREYWALL|KIRSTEN GARD|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	12-15-2021	Time:	13:38	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				
CAP1221-WC-1-24-121521	12-15-2021	10:00	7.24	9.17	85.60	2.12	105.57	17.68	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-14-2021 11:00	Multi Meter ID:	--
ISCO End Date and Time:	12-15-2021 10:00	Old Outfall Bypass(Yes/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

537 Mod (HOLD); Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.851306853475
Longitude:	-78.827717474215

GPS Location (if collected)

ISCO at sample location

PARSONS

Appendix D
Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW 10/21 Sampling

Project Reviewer: Brandon Cordova

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1021-LTW-01-100521	320-80083-1	Groundwater	N	10/05/2021	15:55	FS
CAP1021-LTW-02-100521	320-80083-2	Groundwater	N	10/05/2021	14:35	FS
CAP1021-LTW-04-101121	320-80246-1	Groundwater	N	10/11/2021	09:45	FS
CAP1021-PIW-7D-101121	320-80246-2	Groundwater	N	10/11/2021	11:15	FS
CAP1021-PIW-7S-101121	320-80246-3	Groundwater	N	10/11/2021	12:35	FS
CAP1021-PIW-3D-101121	320-80246-4	Groundwater	N	10/11/2021	14:10	FS
CAP1021-PIW-1D-101121	320-80246-5	Groundwater	N	10/11/2021	13:40	FS
CAP1021-PZ-22-101121	320-80246-6	Groundwater	N	10/11/2021	10:50	FS
CAP1021-LTW-05-101221	320-80339-1	Groundwater	N	10/12/2021	12:15	FS
CAP1021-PW-06-101221	320-80339-2	Groundwater	N	10/12/2021	13:40	FS
CAP1021-PIW-1S-101121	320-80339-3	Groundwater	N	10/11/2021	14:05	FS
CAP1021-EQBLK-PP-101221	320-80339-4	Blank Water	N	10/12/2021	17:00	EB
CAP1021-EQBLK-PP-101221-Z	320-80339-5	Blank Water	Y	10/12/2021	17:00	EB
CAP1021-PW-04-101321	320-80480-1	Groundwater	N	10/13/2021	16:05	FS
CAP0721-NAF-05A-101221	320-80480-2	Groundwater	N	10/12/2021	16:40	FS
CAP0721-NAF-05A-101221-Z	320-80480-3	Groundwater	Y	10/12/2021	16:40	FS
CAP0721-NAF-13-101321	320-80480-4	Groundwater	N	10/13/2021	13:00	FS
CAP0721-NAF-13-101321-Z	320-80480-5	Groundwater	Y	10/13/2021	13:00	FS
CAP1021-SMW-12-102521	320-81067-1	Groundwater	N	10/25/2021	13:30	FS
CAP1021-LTW-03-102521	320-81067-2	Groundwater	N	10/25/2021	10:20	FS
CAP1021-PW-07-102521	320-81067-3	Groundwater	N	10/25/2021	14:40	FS
CAP1021-SMW-11-102721	320-81067-4	Groundwater	N	10/27/2021	10:50	FS
CAP1021-PW-09-102721	320-81067-5	Groundwater	N	10/27/2021	15:45	FS
CAP1021-PW-09-102721-Z	320-81067-6	Groundwater	Y	10/27/2021	15:45	FS
CAP1021-SMW-10-102521	320-81070-1	Groundwater	N	10/25/2021	13:50	FS
CAP1021-SMW-10-102521-D	320-81070-2	Groundwater	N	10/25/2021	13:50	DUP
CAP1021-EQBLK-DV-102721	320-81070-3	Blank Water	N	10/27/2021	15:00	EB

* 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 TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 10/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 10/21

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			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		
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 MW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SMW-10-102521	10/25/2021	320-81070-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	R	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SMW-10-102521	10/25/2021	320-81070-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	R	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.067	UG/L	PQL		0.067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFECA-G	0.48	UG/L	PQL		0.48	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.067	UG/L	PQL		0.067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFECA B	0.27	UG/L	PQL		0.27	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFECA B	0.27	UG/L	PQL		0.27	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFECA-G	0.48	UG/L	PQL		0.48	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **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
CAP0721-NAF-13-101321	10/13/2021	320-80480-4	R-PSDA	1.7	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-13-101321	10/13/2021	320-80480-4	R-EVE	1.5	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-13-101321-Z	10/13/2021	320-80480-5	R-PSDA	2.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-13-101321-Z	10/13/2021	320-80480-5	R-EVE	1.7	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-01-100521	10/05/2021	320-80083-1	R-PSDA	1.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-01-100521	10/05/2021	320-80083-1	Hydrolyzed PSDA	0.85	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-01-100521	10/05/2021	320-80083-1	R-EVE	0.79	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-02-100521	10/05/2021	320-80083-2	R-PSDA	0.33	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-02-100521	10/05/2021	320-80083-2	Hydrolyzed PSDA	0.86	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-02-100521	10/05/2021	320-80083-2	R-EVE	0.25	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-03-102521	10/25/2021	320-81067-2	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-03-102521	10/25/2021	320-81067-2	Hydrolyzed PSDA	3.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-03-102521	10/25/2021	320-81067-2	R-EVE	0.37	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-04-101121	10/11/2021	320-80246-1	R-PSDA	1.4	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-04-101121	10/11/2021	320-80246-1	Hydrolyzed PSDA	2.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-04-101121	10/11/2021	320-80246-1	R-EVE	1.4	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **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
CAP1021-LTW-05-101221	10/12/2021	320-80339-1	R-PSDA	0.48	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-05-101221	10/12/2021	320-80339-1	Hydrolyzed PSDA	0.91	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LTW-05-101221	10/12/2021	320-80339-1	R-EVE	0.50	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-1D-101121	10/11/2021	320-80246-5	R-PSDA	0.25	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-1D-101121	10/11/2021	320-80246-5	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-1S-101121	10/11/2021	320-80339-3	R-PSDA	0.80	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-1S-101121	10/11/2021	320-80339-3	R-EVE	0.51	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-3D-101121	10/11/2021	320-80246-4	R-PSDA	0.30	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-3D-101121	10/11/2021	320-80246-4	R-EVE	0.18	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7D-101121	10/11/2021	320-80246-2	R-PSDA	0.39	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7D-101121	10/11/2021	320-80246-2	Hydrolyzed PSDA	0.65	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7D-101121	10/11/2021	320-80246-2	R-EVE	0.42	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7S-101121	10/11/2021	320-80246-3	R-PSDA	0.62	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7S-101121	10/11/2021	320-80246-3	Hydrolyzed PSDA	0.053	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PIW-7S-101121	10/11/2021	320-80246-3	R-EVE	0.68	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PZ-22-101121	10/11/2021	320-80246-6	R-PSDA	0.33	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-PZ-22-101121	10/11/2021	320-80246-6	Hydrolyzed PSDA	0.52	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **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
CAP1021-PZ-22-101121	10/11/2021	320-80246-6	R-EVE	0.27	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	R-PSDA	18	UG/L	PQL		0.71	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	Hydrolyzed PSDA	160	UG/L	PQL		0.38	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	R-PSDCA	0.57	UG/L	PQL		0.17	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	R-EVE	7.7	UG/L	PQL		0.72	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PEPA	13	UG/L	PQL		0.16	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PS Acid	230	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFO2HxA	450	ug/L	PQL		0.27	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFO3OA	270	ug/L	PQL		0.39	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFO4DA	180	ug/L	PQL		0.59	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFO5DA	120	ug/L	PQL		0.78	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PFMOAA	220	ug/L	PQL		0.80	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	EVE Acid	29	UG/L	PQL		0.17	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	Hydro-PS Acid	15	ug/L	PQL		0.061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	Hydro-EVE Acid	15	UG/L	PQL		0.14	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	NVHOS, Acid Form	7.5	UG/L	PQL		0.15	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	R-PSDA	18	UG/L	PQL		0.71	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	Hydrolyzed PSDA	160	UG/L	PQL		0.38	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	R-PSDCA	0.72	UG/L	PQL		0.17	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	R-EVE	7.4	UG/L	PQL		0.72	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PEPA	13	UG/L	PQL		0.16	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PS Acid	320	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFO2HxA	460	ug/L	PQL		0.27	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFO3OA	280	ug/L	PQL		0.39	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFO4DA	200	ug/L	PQL		0.59	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFO5DA	150	ug/L	PQL		0.78	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PFMOAA	210	ug/L	PQL		0.80	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	EVE Acid	29	UG/L	PQL		0.17	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	Hydro-PS Acid	23	ug/L	PQL		0.061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	Hydro-EVE Acid	14	UG/L	PQL		0.14	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	NVHOS, Acid Form	7.6	UG/L	PQL		0.15	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	PMPA	29	UG/L	PQL		6.2	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221-Z	10/12/2021	320-80480-3	Hfpo Dimer Acid	170	UG/L	PQL		0.81	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	PMPA	28	UG/L	PQL		6.2	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0721-NAF-05A-101221	10/12/2021	320-80480-2	Hfpo Dimer Acid	170	UG/L	PQL		0.81	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW 11/21 Sampling

Project Reviewer: Brandon Cordova

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1121-SMW-10-110321	320-81362-1	Groundwater	N	11/03/2021	13:30	FS
CAP1121-SMW-10-110321-D	320-81362-2	Groundwater	N	11/03/2021	13:30	DUP
CAP1121-LTW-03-110321	320-81362-3	Groundwater	N	11/03/2021	11:11	FS
CAP1121-EQBLK-PP-110321	320-81362-4	Blank Water	N	11/03/2021	14:00	EB
CAP1121-PW-04-110421	320-81552-1	Groundwater	N	11/04/2021	13:10	FS
CAP1121-LTW-01-110421	320-81552-2	Groundwater	N	11/04/2021	12:20	FS
CAP1121-PW-06-111221	320-81993-1	Groundwater	N	11/12/2021	12:30	FS
CAP1121-PIW-1D-111621	320-81993-2	Groundwater	N	11/16/2021	15:25	FS
CAP1121-SMW-11-111621	320-81993-3	Groundwater	N	11/16/2021	11:40	FS
CAP1121-PW-09-111621	320-81993-4	Groundwater	N	11/16/2021	15:20	FS
CAP1121-PW-09-111621-Z	320-81993-5	Groundwater	Y	11/16/2021	15:20	FS
CAP1121-PIW-7D-111721	320-81994-1	Groundwater	N	11/17/2021	14:20	FS
CAP1121-EQBLK-DV-111621	320-81994-2	Blank Water	N	11/16/2021	12:50	EB
CAP1121-EQBLK-PP-111621-Z	320-81994-3	Blank Water	Y	11/16/2021	12:45	EB
CAP1121-LTW-05-111721	320-81994-4	Groundwater	N	11/17/2021	11:55	FS
CAP1121-LTW-04-111821	320-82223-1	Groundwater	N	11/18/2021	13:30	FS
CAP1121-PZ-22-111821	320-82223-2	Groundwater	N	11/18/2021	14:30	FS
CAP1121-SMW-12-112221	320-82288-1	Groundwater	N	11/22/2021	11:50	FS
CAP1121-PW-07-112321	320-82288-2	Groundwater	N	11/23/2021	13:15	FS
CAP1121-PIW-7S-112321	320-82288-3	Groundwater	N	11/23/2021	12:35	FS
CAP1121-PIW-3D-112921	320-82288-4	Groundwater	N	11/29/2021	13:20	FS
CAP1121-LTW-02-112921	320-82288-5	Groundwater	N	11/29/2021	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 TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 11/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 11/21

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			X	
B	Were samples received by the laboratory in agreement with the associated chain of custody?		X			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					
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 MW Sampling 11/21 **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
CAP1121-LTW-01-110421	11/04/2021	320-81552-2	R-PSDA	0.93	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-01-110421	11/04/2021	320-81552-2	Hydrolyzed PSDA	0.40	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-01-110421	11/04/2021	320-81552-2	R-EVE	0.57	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-02-112921	11/29/2021	320-82288-5	Hydrolyzed PSDA	0.61	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-02-112921	11/29/2021	320-82288-5	R-EVE	0.32	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-03-110321	11/03/2021	320-81362-3	Hydrolyzed PSDA	2.7	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-04-111821	11/18/2021	320-82223-1	R-PSDA	1.7	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-04-111821	11/18/2021	320-82223-1	Hydrolyzed PSDA	3.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-04-111821	11/18/2021	320-82223-1	R-EVE	2.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-05-111721	11/17/2021	320-81994-4	R-PSDA	0.44	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-05-111721	11/17/2021	320-81994-4	Hydrolyzed PSDA	0.77	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LTW-05-111721	11/17/2021	320-81994-4	R-EVE	0.61	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-1D-111621	11/16/2021	320-81993-2	R-PSDA	0.30	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-1D-111621	11/16/2021	320-81993-2	R-EVE	0.22	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-3D-112921	11/29/2021	320-82288-4	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-3D-112921	11/29/2021	320-82288-4	R-EVE	0.29	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 11/21 **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
CAP1121-PIW-7D-111721	11/17/2021	320-81994-1	R-PSDA	0.36	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-7D-111721	11/17/2021	320-81994-1	Hydrolyzed PSDA	0.70	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-7D-111721	11/17/2021	320-81994-1	R-EVE	0.55	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-7S-112321	11/23/2021	320-82288-3	R-PSDA	0.74	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PIW-7S-112321	11/23/2021	320-82288-3	R-EVE	1.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PZ-22-111821	11/18/2021	320-82223-2	R-PSDA	0.45	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PZ-22-111821	11/18/2021	320-82223-2	Hydrolyzed PSDA	0.55	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-PZ-22-111821	11/18/2021	320-82223-2	R-EVE	0.40	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW 12/21 Sampling

Project Reviewer: Brandon Cordova

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1221-PZ-22-120621	320-82724-1	Groundwater	N	12/06/2021	12:40	FS
CAP1221-PZ-22-120621-D	320-82724-2	Groundwater	N	12/06/2021	12:40	DUP
CAP1221-LTW-04-120621	320-82724-3	Groundwater	N	12/06/2021	11:35	FS
CAP1221-PW-06-120621	320-82749-1	Groundwater	N	12/06/2021	14:15	FS
CAP1221-PIW-7D-120621	320-82749-2	Groundwater	N	12/06/2021	14:55	FS
CAP1221-PIW-7S-120621	320-82749-3	Groundwater	N	12/06/2021	16:05	FS
CAP1221-FBLK-120621	320-82749-4	Blank Water	N	12/06/2021	15:00	FB
CAP1221-EQBLK-PP-120621	320-82749-5	Blank Water	N	12/06/2021	14:50	EB
CAP1221-LTW-03-120821	320-83090-1	Groundwater	N	12/08/2021	15:40	FS
CAP1221-PW-07-120821	320-83090-2	Groundwater	N	12/08/2021	13:45	FS
CAP1221-PW-09-121621	320-83090-3	Groundwater	N	12/16/2021	14:45	FS
CAP1221-PW-09-121621-Z	320-83090-4	Groundwater	Y	12/16/2021	14:45	FS
CAP1221-SMW-11-121621	320-83090-5	Groundwater	N	12/16/2021	10:50	FS
CAP1221-SMW-12-122121	320-83492-1	Groundwater	N	12/21/2021	12:52	FS
CAP1221-PIW-3D-122121	320-83492-2	Groundwater	N	12/21/2021	15:12	FS
CAP1221-EQBLK-DV-122121	320-83492-3	Blank Water	N	12/21/2021	13:00	EB
CAP1221-LTW-05-122221	320-83492-4	Groundwater	N	12/22/2021	15:40	FS
CAP1221-PIW-1D-122721	320-83492-5	Groundwater	N	12/27/2021	12:20	FS
CAP1221-SMW-10-122721	320-83492-6	Groundwater	N	12/27/2021	11:10	FS
CAP1221-LTW-01-122821	320-83493-1	Groundwater	N	12/28/2021	13:35	FS
CAP1221-LTW-02-122821	320-83493-2	Groundwater	N	12/28/2021	14:40	FS
CAP1221-PW-04-122821	320-83493-3	Groundwater	N	12/28/2021	11:55	FS
CAP1221-PW-04-122821-Z	320-83493-4	Groundwater	Y	12/28/2021	11:55	FS
CAP1221-EQBLK-PP-122821-Z	320-83493-5	Blank Water	Y	12/28/2021	12:00	EB

* 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 TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 12/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 12/21

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		
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.

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- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

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Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
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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 MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Hydro-EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFO4DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PEPA	2.0	UG/L	PQL		2.0	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydro-EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydro-EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO4DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO4DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PEPA	2.0	UG/L	PQL		2.0	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PEPA	2.0	UG/L	PQL		2.0	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621	12/16/2021	320-83090-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-09-121621-Z	12/16/2021	320-83090-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Hydro-EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFO4DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	R-EVE	0.14	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Hfpo Dimer Acid	8.1	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Hfpo Dimer Acid	0.62	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-EVE	0.64	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **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
CAP1221-LTW-01-122821	12/28/2021	320-83493-1	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-01-122821	12/28/2021	320-83493-1	Hydrolyzed PSDA	0.28	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-01-122821	12/28/2021	320-83493-1	R-EVE	0.45	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-02-122821	12/28/2021	320-83493-2	R-PSDA	0.17	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-02-122821	12/28/2021	320-83493-2	Hydrolyzed PSDA	0.38	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-02-122821	12/28/2021	320-83493-2	R-EVE	0.10	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-05-122221	12/22/2021	320-83492-4	R-PSDA	0.26	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-05-122221	12/22/2021	320-83492-4	Hydrolyzed PSDA	0.49	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-05-122221	12/22/2021	320-83492-4	R-EVE	0.35	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-1D-122721	12/27/2021	320-83492-5	R-PSDA	0.22	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-3D-122121	12/21/2021	320-83492-2	R-PSDA	0.18	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-3D-122121	12/21/2021	320-83492-2	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-7D-120621	12/06/2021	320-82749-2	R-PSDA	0.49	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-7D-120621	12/06/2021	320-82749-2	Hydrolyzed PSDA	0.66	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-7D-120621	12/06/2021	320-82749-2	R-EVE	0.60	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-7S-120621	12/06/2021	320-82749-3	R-PSDA	1.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **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
CAP1221-PIW-7S-120621	12/06/2021	320-82749-3	Hydrolyzed PSDA	0.054	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PIW-7S-120621	12/06/2021	320-82749-3	R-EVE	1.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-PSDA	0.45	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydrolyzed PSDA	1.1	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-EVE	0.52	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PMPA	9.6	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	R-PSDA	0.86	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	Hydrolyzed PSDA	7.5	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	R-EVE	0.52	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PEPA	2.6	UG/L	PQL		2.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFO2HxA	29	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFO3OA	5.4	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	PFMOAA	84	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-03-120821	12/08/2021	320-83090-1	NVHOS, Acid Form	1.2	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PMPA	13	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Hfpo Dimer Acid	22	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	R-EVE	2.9	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PEPA	6.1	UG/L	PQL		2.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFO2HxA	21	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFO3OA	4.7	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFO4DA	0.56	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Hydro-PS Acid	0.0082	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Hydro-EVE Acid	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	R-PSDA	2.5	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Hydrolyzed PSDA	6.5	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	PFMOAA	42	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	Hydro-EVE Acid	0.49	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LTW-04-120621	12/06/2021	320-82724-3	NVHOS, Acid Form	1.2	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PMPA	0.54	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	R-PSDA	0.046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	R-EVE	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PEPA	0.17	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFO2HxA	0.48	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFO3OA	0.079	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFO4DA	0.060	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PMPA	3.2	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PMPA	3.2	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hfpo Dimer Acid	11	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hfpo Dimer Acid	12	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	R-PSDA	0.43	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	Hydrolyzed PSDA	1.1	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO2HxA	32	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO2HxA	31	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO3OA	3.1	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFO3OA	3.2	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFMOAA	99	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	PFMOAA	99	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	NVHOS, Acid Form	0.96	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621	12/06/2021	320-82724-1	NVHOS, Acid Form	1.0	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PW-07-120821	12/08/2021	320-83090-2	PFMOAA	0.14	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PMPA	3.2	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Hfpo Dimer Acid	8.7	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	R-EVE	0.55	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFO2HxA	31	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFO3OA	3.2	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	PFMOAA	98	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	R-PSDA	0.34	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	Hydrolyzed PSDA	0.92	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-PZ-22-120621-D	12/06/2021	320-82724-2	NVHOS, Acid Form	0.75	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PMPA	2.1	UG/L	PQL		0.10	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Hfpo Dimer Acid	4.2	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	R-PSDA	0.18	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Hydrolyzed PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Perfluoroheptanoic Acid	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFO2HxA	2.6	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFO3OA	0.41	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFO4DA	0.20	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFO5DA	0.0066	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PFMOAA	3.8	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Hydro-PS Acid	0.052	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	Hydro-EVE Acid	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	NVHOS, Acid Form	0.063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SMW-11-121621	12/16/2021	320-83090-5	PEPA	0.63	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 10/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample
CAP1021-LOCK-DAM-NORTH-101921	320-80690-1	Surface Water	N	10/19/2021	12:15	FS
CAP1021-CFR-BLADEN-102021	320-80690-2	Surface Water	N	10/20/2021	10:55	FS
CAP1021-CFR-TARHEEL-102021	320-80690-3	Surface Water	N	10/20/2021	11:50	FS
RIVER-WATER-INTAKE2-24-102021	320-80690-4	Surface Water	N	10/20/2021	09:06	FS
CAP1021-OUTFALL-002-24-102021	320-80690-5	Surface Water	N	10/20/2021	13:22	FS
CAP1021-SEEP-C-EFF-24-102021	320-80692-1	Other liquid	N	10/20/2021	11:06	FS
CAP1021-SEEP-C-EFF-24-102021-D	320-80692-2	Other liquid	N	10/20/2021	11:06	DUP
CAP1021-CFR-TARHEEL-24-102121	320-80692-3	Surface Water	N	10/21/2021	03:24	FS
CAP1021-EQBLK-IS-101921	320-80696-1	Blank Water	N	10/19/2021	15:05	EB
CAP1021-EQBLK-PP-101921	320-80696-2	Blank Water	N	10/19/2021	15:00	EB
CAP1021-GBC-1-101921	320-80696-3	Surface Water	N	10/19/2021	14:55	FS
CAP1021-CFR-RM-76-101921	320-80696-4	Surface Water	N	10/19/2021	11:42	FS
CAP1021-LOCK-DAM-SEEP-101921	320-80696-5	Surface Water	N	10/19/2021	11:45	FS
CAP1021-OLDOF-1-24-102021	320-80698-1	Surface Water	N	10/20/2021	12:06	FS
CAP1021-WC-1-24-102021	320-80698-2	Surface Water	N	10/20/2021	09:00	FS
CAP1021-SEEP-A-EFF-24-102021	320-80698-3	Other liquid	N	10/20/2021	09:54	FS
CAP1021-SEEP-B-EFF-24-102021	320-80698-4	Other liquid	N	10/20/2021	10:24	FS
CAP1021-SEEP-D-EFF-24-102021	320-80698-5	Other liquid	N	10/20/2021	13:06	FS
CAP1021-CFR-KINGS-102621	320-81066-1	Surface Water	N	10/26/2021	12:50	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 SW Sampling 10/21
Eurofins TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 10/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 10/21

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			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		X	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 10/21 **Validation Options:** LABSTATS

Validation Reason Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFMOAA	0.0030	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-D-EFF-24-102021	10/20/2021	320-80698-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFOA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorobutanoic Acid (trial)	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoropentanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorohexanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoroheptanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorononanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorodecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoroundecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorododecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorotetradecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorotridecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFHxDA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorooctadecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-B-EFF-24-102021	10/20/2021	320-80698-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-IS-101921	10/19/2021	320-80696-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-EQBLK-PP-101921	10/19/2021	320-80696-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	PFO3OA	0.0041	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Hydrolyzed PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	PFO3OA	0.0033	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	PFO3OA	0.0043	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	PFO3OA	0.28	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	PFO4DA	0.090	ug/L	PQL		0.0030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	PFO5DA	0.016	ug/L	PQL		0.0039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Hydro-PS Acid	0.086	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Hydrolyzed PSDA	0.060	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	PS Acid	0.0088	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	PFO3OA	0.0054	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	PFO4DA	0.0029	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Hydro-PS Acid	0.0027	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO3OA	0.0066	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO3OA	0.0069	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-C-EFF-24-102021-D	10/20/2021	320-80692-2	PFO3OA	0.0066	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Hydrolyzed PSDA	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	PFO3OA	0.0027	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **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
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	R-EVE	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	R-PSDA	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Hydrolyzed PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	R-EVE	0.0037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	R-EVE	0.0035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	R-PSDA	0.035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	R-EVE	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	R-PSDA	0.14	UG/L	PQL		0.0035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	R-EVE	0.065	UG/L	PQL		0.0036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	R-PSDA	0.77	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Hydrolyzed PSDA	0.71	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **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
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	R-EVE	0.25	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	R-PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	R-EVE	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Hydrolyzed PSDA	0.042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	R-PSDA	0.048	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Hydrolyzed PSDA	0.30	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	R-EVE	0.023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluoroheptanoic Acid	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	NVHOS, Acid Form	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PMPA	0.037	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Hfpo Dimer Acid	0.036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PS Acid	0.0068	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	R-PSDA	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Hydrolyzed PSDA	0.066	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFO2HxA	0.064	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFO3OA	0.019	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFO4DA	0.0037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	NVHOS, Acid Form	0.0025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PMPA	0.063	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	Hfpo Dimer Acid	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	PFMOAA	0.099	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-A-EFF-24-102021	10/20/2021	320-80698-3	Hydro-PS Acid	0.0026	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO2HxA	0.055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFO3OA	0.0062	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	PFMOAA	0.38	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1021-SEEP-C-EFF-24-102021	10/20/2021	320-80692-1	NVHOS, Acid Form	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluoropentanoic Acid	0.0099	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluorohexanoic Acid	0.010	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	Perfluoroheptanoic Acid	0.0033	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluoropentanoic Acid	0.0089	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluorohexanoic Acid	0.0084	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-RM-76-101921	10/19/2021	320-80696-4	PFOA	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	PFOA	0.0050	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluoropentanoic Acid	0.0088	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluorohexanoic Acid	0.0095	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	PFOA	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluoropentanoic Acid	0.0061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluorohexanoic Acid	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	Perfluoroheptanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-BLADEN-102021	10/20/2021	320-80690-2	Perfluoroheptanoic Acid	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-KINGS-102621	10/26/2021	320-81066-1	PFOA	0.0038	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluoropentanoic Acid	0.0094	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluorohexanoic Acid	0.0084	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-102021	10/20/2021	320-80690-3	Perfluoroheptanoic Acid	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	PFOA	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluoropentanoic Acid	0.0092	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorohexanoic Acid	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-CFR-TARHEEL-24-102121	10/21/2021	320-80692-3	Perfluoroheptanoic Acid	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	PFOA	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluorobutanoic Acid	0.0085	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP1021-GBC-1-101921	10/19/2021	320-80696-3	Perfluoroheptanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluoropentanoic Acid	0.039	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorohexanoic Acid	0.0058	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluorobutanoic Acid	0.027	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	Perfluoroheptanoic Acid	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-NORTH-101921	10/19/2021	320-80690-1	PFOA	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorobutanoic Acid	0.082	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluoroheptanoic Acid	0.067	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-OLDOF-1-24-102021	10/20/2021	320-80698-1	Perfluoropentanoic Acid	0.0054	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluoropentanoic Acid	0.49	UG/L	PQL		0.0048	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	Perfluorohexanoic Acid	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluoropentanoic Acid	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorohexanoic Acid	0.042	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-LOCK-DAM-SEEP-101921	10/19/2021	320-80696-5	PFOA	0.0090	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	PFOA	0.0063	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluorobutanoic Acid	0.012	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP1021-OUTFALL-002-24-102021	10/20/2021	320-80690-5	Perfluoroheptanoic Acid	0.0079	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorobutanoic Acid	0.0081	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluoroheptanoic Acid	0.0023	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluoropentanoic Acid	0.010	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	Perfluorohexanoic Acid	0.0039	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluoropentanoic Acid	0.010	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 10/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorohexanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP1021-WC-1-24-102021	10/20/2021	320-80698-2	PFOA	0.0081	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	PFOA	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluorobutanoic Acid	0.0070	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-102021	10/20/2021	320-80690-4	Perfluoroheptanoic Acid	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 11/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample
RIVER-WATER-INTAKE2-24-111021	320-81661-1	Surface Water	N	11/10/2021	09:06	FS
RIVER-WATER-INTAKE2-24-111021	320-81661-2	Surface Water	N	11/10/2021	09:06	FS
CAP1121-WC-1-24-111021	320-81661-3	Surface Water	N	11/10/2021	11:00	FS
CAP1121-GBC-1-110921	320-81663-1	Surface Water	N	11/09/2021	15:55	FS
CAP1121-LOCK-DAM-SEEP-110921	320-81663-2	Surface Water	N	11/09/2021	14:20	FS
CAP1121-LOCK-DAM-NORTH-110921	320-81663-3	Surface Water	N	11/09/2021	14:45	FS
CAP1121-CFR-RM-76-110921	320-81663-4	Surface Water	N	11/09/2021	11:40	FS
CAP1121-SEEP-A-EFF-24-111021	320-81665-1	Other liquid	N	11/10/2021	09:54	FS
CAP1121-SEEP-B-EFF-24-111021	320-81665-2	Other liquid	N	11/10/2021	10:24	FS
CAP1121-SEEP-C-EFF-24-111021	320-81665-3	Other liquid	N	11/10/2021	11:06	FS
CAP1121-SEEP-D-EFF-24-111021	320-81665-4	Other liquid	N	11/10/2021	11:18	FS
CAP1121-OLDOF-1-24-111021	320-81665-5	Surface Water	N	11/10/2021	12:00	FS
CAP1121-CFR-BLADEN-111021	320-81667-1	Surface Water	N	11/10/2021	10:10	FS
CAP1121-CFR-TARHEEL-111021	320-81667-2	Surface Water	N	11/10/2021	10:50	FS
CAP1121-EQBLK-PP-111021	320-81667-3	Blank Water	N	11/10/2021	13:20	EB
CAP1121-EQBLK-IS-111021	320-81667-4	Blank Water	N	11/10/2021	13:15	EB
CAP1121-CFR-KINGS-111721	320-81997-1	Surface Water	N	11/17/2021	12:10	FS
CAP1121-CFR-TARHEEL-24-111121	320-81997-2	Surface Water	N	11/11/2021	03:36	FS
CAP1121-OUTFALL-002-24-111121	320-82222-1	Surface Water	N	11/11/2021	13:11	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 SW Sampling 11/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 11/21

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 11/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-2	Hydrolyzed PSDA	0.024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-1	Hydrolyzed PSDA	0.023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-1	Hydrolyzed PSDA	0.022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **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
CAP1121-CFR-BLADEN-111021	11/10/2021	320-81667-1	Hydrolyzed PSDA	0.0090	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-KINGS-111721	11/17/2021	320-81997-1	Hydrolyzed PSDA	0.0084	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-TARHEEL-111021	11/10/2021	320-81667-2	Hydrolyzed PSDA	0.0078	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-TARHEEL-24-111121	11/11/2021	320-81997-2	Hydrolyzed PSDA	0.0080	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-GBC-1-110921	11/09/2021	320-81663-1	R-PSDA	0.033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-GBC-1-110921	11/09/2021	320-81663-1	R-EVE	0.016	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LOCK-DAM-NORTH-110921	11/09/2021	320-81663-3	R-PSDA	0.12	UG/L	PQL		0.0035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LOCK-DAM-NORTH-110921	11/09/2021	320-81663-3	R-EVE	0.066	UG/L	PQL		0.0036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LOCK-DAM-SEEP-110921	11/09/2021	320-81663-2	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LOCK-DAM-SEEP-110921	11/09/2021	320-81663-2	Hydrolyzed PSDA	0.63	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-LOCK-DAM-SEEP-110921	11/09/2021	320-81663-2	R-EVE	0.26	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-OLDOF-1-24-111021	11/10/2021	320-81665-5	Hydrolyzed PSDA	0.0082	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-OUTFALL-002-24-111121	11/11/2021	320-82222-1	Hydrolyzed PSDA	0.040	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-A-EFF-24-111021	11/10/2021	320-81665-1	Hydrolyzed PSDA	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Hydrolyzed PSDA	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **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
CAP1121-WC-1-24-111021	11/10/2021	320-81661-3	R-PSDA	0.050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-WC-1-24-111021	11/10/2021	320-81661-3	Hydrolyzed PSDA	0.30	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-WC-1-24-111021	11/10/2021	320-81661-3	R-EVE	0.025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	Perfluoroheptanoic Acid	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PMPA	0.037	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Hfpo Dimer Acid	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	Hydrolyzed PSDA	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFO2HxA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFO3OA	0.0046	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PMPA	0.097	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	Hfpo Dimer Acid	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-B-EFF-24-111021	11/10/2021	320-81665-2	PFMOAA	0.055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFO2HxA	0.036	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFO3OA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-SEEP-C-EFF-24-111021	11/10/2021	320-81665-3	PFMOAA	0.62	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1121-CFR-RM-76-110921	11/09/2021	320-81663-4	NVHOS, Acid Form	0.0077	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 11/21 **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
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-2	PFMOAA	0.038	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-1	PFMOAA	0.037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-111021	11/10/2021	320-81661-1	PFMOAA	0.037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 12/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample
CAP1221-SEEP-B-EFF-24-121521	320-83098-1	Other liquid	N	12/15/2021	11:12	FS
CAP1221-SEEP-D-EFF-24-121521	320-83098-2	Other liquid	N	12/15/2021	11:54	FS
RIVER-WATER-INTAKE2-24-121521	320-83098-3	Surface Water	N	12/15/2021	10:06	FS
CAP1221-WC-1-24-121521	320-83098-4	Surface Water	N	12/15/2021	10:00	FS
CAP1221-EQBLK-PP-121521	320-83098-5	Blank Water	N	12/15/2021	17:05	EB
CAP1221-LOCK-DAM-NORTH-121621	320-83098-6	Surface Water	N	12/16/2021	11:30	FS
CAP1221-EQBLK-IS-121521	320-83103-1	Blank Water	N	12/15/2021	17:00	EB
CAP1221-CFR-RM-76-121421	320-83103-2	Surface Water	N	12/14/2021	11:50	FS
CAP1221-GBC-1-121421	320-83103-3	Surface Water	N	12/14/2021	15:56	FS
CAP1221-CFR-BLADEN-121521	320-83103-4	Surface Water	N	12/15/2021	10:15	FS
CAP1221-CFR-TARHEEL-121521	320-83103-5	Surface Water	N	12/15/2021	10:50	FS
CAP1221-LOCK-DAM-SEEP-121621	320-83103-6	Surface Water	N	12/16/2021	11:10	FS
CAP1221-OUTFALL-002-24-121521	320-83105-1	Surface Water	N	12/15/2021	14:04	FS
CAP1221-SEEP-C-EFF-24-121521	320-83105-2	Other liquid	N	12/15/2021	13:24	FS
CAP1221-SEEP-C-EFF-24-121521-D	320-83105-3	Other liquid	N	12/15/2021	13:24	DUP
CAP1221-CFR-TARHEEL-24-121621	320-83105-4	Surface Water	N	12/16/2021	08:16	FS
CAP1221-SEEP-A-EFF-17-121521	320-83183-1	Other liquid	N	12/15/2021	03:48	FS
CAP1221-OLDOF-1-15-121521	320-83183-2	Surface Water	N	12/15/2021	03:36	FS
CAP1221-CFR-KINGS-122021	320-83355-1	Surface Water	N	12/20/2021	15:35	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 SW Sampling 12/21
LANCASTER LABORATORIES	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 12/21

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			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 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFECA-G	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	R-PSDCA	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Hydro-PS Acid	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Hydro-EVE Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFO5DA	0.20	ug/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PEPA	2.0	UG/L	PQL		2.0	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PS Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFECA B	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFECA-G	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Perfluoro(2-ethoxyethane)sulfonic Acid	0.20	UG/L	PQL		0.20	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Hydro-EVE Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	EVE Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFO5DA	0.020	ug/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Perfluoroheptanoic Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Hydrolyzed PSDA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	R-PSDCA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFECA B	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Perfluoro(2-ethoxyethane)sulfonic Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-EQBLK-IS-121521	12/15/2021	320-83103-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-EQBLK-PP-121521	12/15/2021	320-83098-5	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	R-PSDA	0.0099	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	R-PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	R-EVE	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	R-PSDA	0.0048	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	R-EVE	0.0044	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	R-PSDA	0.028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	R-EVE	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	R-EVE	0.27	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	R-PSDA	0.87	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Hydrolyzed PSDA	1.4	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-PSDA	0.0056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hydrolyzed PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-EVE	0.0064	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hfpo Dimer Acid	0.045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Hfpo Dimer Acid	0.038	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-PSDA	0.0082	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	R-EVE	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PMPA	0.023	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PMPA	0.024	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hfpo Dimer Acid	0.0084	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydrolyzed PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydrolyzed PSDA	0.0066	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFMOAA	0.070	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFMOAA	0.070	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO2HxA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO2HxA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO3OA	0.0022	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO3OA	0.0021	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hfpo Dimer Acid (trial)	0.0080	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PMPA	0.014	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Hfpo Dimer Acid	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	Perfluoroheptanoic Acid	0.0055	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFO2HxA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFO3OA	0.0035	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	PFMOAA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-BLADEN-121521	12/15/2021	320-83103-4	NVHOS, Acid Form	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Hfpo Dimer Acid	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	Perfluoroheptanoic Acid	0.0043	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFO2HxA	0.013	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFO3OA	0.0032	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	PFMOAA	0.025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-KINGS-122021	12/20/2021	320-83355-1	NVHOS, Acid Form	0.0058	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	Perfluoroheptanoic Acid	0.0053	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-RM-76-121421	12/14/2021	320-83103-2	NVHOS, Acid Form	0.0076	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	Perfluoroheptanoic Acid	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFO2HxA	0.011	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFO3OA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	PFMOAA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	NVHOS, Acid Form	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-121521	12/15/2021	320-83103-5	NVHOS, Acid Form	0.0099	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Hfpo Dimer Acid	0.0054	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Hydrolyzed PSDA	0.0082	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	Perfluoroheptanoic Acid	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFO2HxA	0.014	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFO3OA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-CFR-TARHEEL-24-121621	12/16/2021	320-83105-4	PFMOAA	0.030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PMPA	0.49	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Hfpo Dimer Acid	0.44	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Perfluoroheptanoic Acid	0.0023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFO2HxA	0.22	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFO3OA	0.040	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFO4DA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PEPA	0.18	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	PFMOAA	0.048	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	Hydro-PS Acid	0.016	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-GBC-1-121421	12/14/2021	320-83103-3	NVHOS, Acid Form	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PMPA	2.0	UG/L	PQL		0.10	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Hfpo Dimer Acid	2.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	R-PSDA	0.15	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	R-EVE	0.085	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PEPA	0.87	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFO2HxA	1.4	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFO3OA	0.29	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFO4DA	0.093	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	PFMOAA	1.2	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	Hydro-PS Acid	0.092	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-NORTH-121621	12/16/2021	320-83098-6	NVHOS, Acid Form	0.024	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PMPA	4.5	UG/L	PQL		1.0	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	Hfpo Dimer Acid	5.7	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFO2HxA	17	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFO3OA	9.6	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFO4DA	2.2	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	PFMOAA	48	ug/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-LOCK-DAM-SEEP-121621	12/16/2021	320-83103-6	NVHOS, Acid Form	0.81	UG/L	PQL		0.20	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PMPA	0.13	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Hfpo Dimer Acid	0.16	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	R-EVE	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PEPA	0.044	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFO2HxA	0.25	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFO3OA	0.080	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFO4DA	0.034	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFO5DA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	PFMOAA	0.75	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Hydro-PS Acid	0.0059	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	Hydro-EVE Acid	0.0032	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-OLDOF-1-15-121521	12/15/2021	320-83183-2	NVHOS, Acid Form	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PMPA	0.033	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PMPA	0.032	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PS Acid	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PS Acid	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Perfluoroheptanoic Acid	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	Perfluoroheptanoic Acid	0.0027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO2HxA	0.024	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO2HxA	0.023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO3OA	0.0055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO3OA	0.0051	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO4DA	0.0020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFO4DA	0.0020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	NVHOS, Acid Form	0.0088	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	NVHOS, Acid Form	0.0087	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PMPA	0.021	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hfpo Dimer Acid	0.0022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFMOAA	0.096	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-A-EFF-17-121521	12/15/2021	320-83183-1	PFO2HxA	0.016	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PMPA	0.011	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	Hydrolyzed PSDA	0.0088	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFMOAA	0.021	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521	12/15/2021	320-83105-2	PFMOAA	0.017	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-C-EFF-24-121521-D	12/15/2021	320-83105-3	PFMOAA	0.017	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-B-EFF-24-121521	12/15/2021	320-83098-1	PFO2HxA	0.0059	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-SEEP-D-EFF-24-121521	12/15/2021	320-83098-2	PFMOAA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PMPA	0.37	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Hfpo Dimer Acid	0.34	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	R-EVE	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PEPA	0.11	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFO2HxA	0.34	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFO3OA	0.067	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFO4DA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	R-PSDA	0.029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Hydrolyzed PSDA	0.19	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	PFMOAA	0.53	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Hydro-PS Acid	0.010	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	Hydro-EVE Acid	0.0063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-WC-1-24-121521	12/15/2021	320-83098-4	NVHOS, Acid Form	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PMPA	0.026	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Hfpo Dimer Acid	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	R-PSDA	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	Perfluoroheptanoic Acid	0.0038	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFO2HxA	0.024	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFO3OA	0.0053	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	PFMOAA	0.026	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	R-EVE	0.0063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-121521	12/15/2021	320-83098-3	NVHOS, Acid Form	0.0096	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 12/21 **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
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFMOAA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1221-OUTFALL-002-24-121521	12/15/2021	320-83105-1	PFMOAA	0.019	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 4Q21 (updated)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-100421	320-80341-1	Surface Water	N	10/04/2021	23:01	FS
CFR-TARHEEL-24-100721	320-80341-2	Surface Water	N	10/07/2021	23:01	FS
CFR-TARHEEL-24-101121	320-80531-1	Surface Water	N	10/11/2021	23:01	FS
CFR-TARHEEL-24-101121-D	320-80531-2	Surface Water	N	10/11/2021	23:01	DUP
CFR-TARHEEL-24-101521	320-80531-3	Surface Water	N	10/15/2021	23:01	FS
CFR-TARHEEL-24-101821	320-81068-1	Surface Water	N	10/18/2021	23:01	FS
CFR-TARHEEL-24-102121	320-81068-2	Surface Water	N	10/21/2021	23:01	FS
CFR-TARHEEL-24-102521	320-81213-1	Surface Water	N	10/25/2021	23:01	FS
CFR-TARHEEL-24-102821	320-81213-2	Surface Water	N	10/28/2021	23:01	FS
CFR-TARHEEL-24-110121	320-81550-1	Surface Water	N	11/01/2021	23:01	FS
CFR-TARHEEL-24-110421	320-81550-2	Surface Water	N	11/04/2021	23:01	FS
CFR-TARHEEL-24-110821	320-81858-1	Surface Water	N	11/08/2021	23:01	FS
CFR-TARHEEL-24-110821-D	320-81858-2	Surface Water	N	11/08/2021	23:01	DUP
CFR-TARHEEL-24-111121	320-81858-3	Surface Water	N	11/11/2021	23:01	FS
CFR-TARHEEL-24-111521	320-82176-1	Surface Water	N	11/15/2021	23:01	FS
CFR-TARHEEL-24-111821	320-82176-2	Surface Water	N	11/18/2021	23:01	FS
CFR-TARHEEL-24-112521	320-82422-1	Surface Water	N	11/25/2021	23:01	FS

CFR-TARHEEL-24-112921	320-82422-2	Surface Water	N	11/29/2021	23:01	FS
CFR-TARHEEL-24-112221	320-82423-1	Surface Water	N	11/22/2021	23:01	FS
CFR-TARHEEL-24-120221	320-82937-1	Surface Water	N	12/02/2021	23:01	FS
CFR-TARHEEL-24-120621	320-82937-2	Surface Water	N	12/06/2021	23:01	FS
CFR-TARHEEL-24-120921	320-82937-3	Surface Water	N	12/09/2021	23:01	FS
CFR-TARHEEL-24-121321	320-83383-1	Surface Water	N	12/13/2021	23:01	FS
CFR-TARHEEL-24-121621	320-83383-2	Surface Water	N	12/16/2021	23:01	FS
CFR-TARHEEL-24-122021	320-83491-1	Surface Water	N	12/20/2021	23:01	FS
CFR-TARHEEL-24-122321	320-83491-2	Surface Water	N	12/23/2021	23:01	FS
CFR-TARHEEL-24-122721	320-83591-1	Surface Water	N	12/27/2021	23:01	FS
CFR-TARHEEL-24-123021	320-83591-2	Surface Water	N	12/30/2021	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
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)[2]	Tarheel Sampling
LANCASTER LABORATORIES	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)[2]	Tarheel Sampling

[1] Project samples were originally submitted to the Eurofins TestAmerica Sacramento laboratory. This laboratory name changed to Eurofins Environmental Testing Northern California, effective January 1, 2022. Some samples were transferred to Eurofins Lancaster Laboratories for analysis due to temporary instrument issues at the TestAmerica laboratory.

[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	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 The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Perfluoro(2-ethoxyethane)sulfonic 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 The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	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 The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Perfluoro(2-ethoxyethane)sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Hydro-EVE 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-24-122721	12/27/2021	320-83591-1	R-PSDA	0.0059	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122721	12/27/2021	320-83591-1	R-PSDA	0.0060	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122721	12/27/2021	320-83591-1	Hydrolyzed PSDA	0.0089	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122721	12/27/2021	320-83591-1	Hydrolyzed PSDA	0.0091	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101121	10/11/2021	320-80531-1	R-PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101121	10/11/2021	320-80531-1	Hydrolyzed PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101121	10/11/2021	320-80531-1	Hydrolyzed PSDA	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821	11/08/2021	320-81858-1	R-PSDA	0.0098	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821	11/08/2021	320-81858-1	Hydrolyzed PSDA	0.0083	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821	11/08/2021	320-81858-1	R-EVE	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821-D	11/08/2021	320-81858-2	R-PSDA	0.0076	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 High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-101121	10/11/2021	320-80531-1	R-PSDA	0.0079	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 High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Hfpo Dimer Acid	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	Hfpo Dimer Acid	0.0060	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Hfpo Dimer Acid	0.0045	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-24-110821	11/08/2021	320-81858-1	Hydrolyzed PSDA	0.0068	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821	11/08/2021	320-81858-1	PFMOAA	0.019	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-24-122021	12/20/2021	320-83491-1	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122021	12/20/2021	320-83491-1	Hydrolyzed PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122021	12/20/2021	320-83491-1	R-EVE	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122321	12/23/2021	320-83491-2	R-PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122321	12/23/2021	320-83491-2	Hydrolyzed PSDA	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122321	12/23/2021	320-83491-2	R-EVE	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-123021	12/30/2021	320-83591-2	R-PSDA	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-123021	12/30/2021	320-83591-2	Hydrolyzed PSDA	0.0057	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100421	10/04/2021	320-80341-1	R-PSDA	0.0043	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100421	10/04/2021	320-80341-1	Hydrolyzed PSDA	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100721	10/07/2021	320-80341-2	R-PSDA	0.0078	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100721	10/07/2021	320-80341-2	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100721	10/07/2021	320-80341-2	R-EVE	0.0023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101121-D	10/11/2021	320-80531-2	Hydrolyzed PSDA	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101521	10/15/2021	320-80531-3	Hydrolyzed PSDA	0.0053	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101821	10/18/2021	320-81068-1	Hydrolyzed PSDA	0.0076	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-24-102121	10/21/2021	320-81068-2	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102121	10/21/2021	320-81068-2	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102121	10/21/2021	320-81068-2	R-EVE	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102521	10/25/2021	320-81213-1	Hydrolyzed PSDA	0.0085	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102821	10/28/2021	320-81213-2	Hydrolyzed PSDA	0.0081	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110121	11/01/2021	320-81550-1	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110421	11/04/2021	320-81550-2	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110821-D	11/08/2021	320-81858-2	Hydrolyzed PSDA	0.0082	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111121	11/11/2021	320-81858-3	Hydrolyzed PSDA	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111521	11/15/2021	320-82176-1	R-PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111521	11/15/2021	320-82176-1	Hydrolyzed PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111821	11/18/2021	320-82176-2	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111821	11/18/2021	320-82176-2	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112521	11/25/2021	320-82422-1	R-PSDA	0.0057	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112521	11/25/2021	320-82422-1	Hydrolyzed PSDA	0.0068	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112921	11/29/2021	320-82422-2	Hydrolyzed PSDA	0.0056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112221	11/22/2021	320-82423-1	Hydrolyzed PSDA	0.0058	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound		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 SOP	Pre-prep	Prep

Site: Fayetteville **Sampling Program:** Tarheel Sampling **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
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	NVHOS, Acid Form	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFMOAA	0.031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFMOAA	0.037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Hfpo Dimer Acid	0.0065	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	Perfluoroheptanoic Acid	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFO2HxA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121621	12/16/2021	320-83383-2	PFO3OA	0.0036	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	NVHOS, Acid Form	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFMOAA	0.0064	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Perfluoroheptanoic Acid	0.0044	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFO2HxA	0.022	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PFO3OA	0.0070	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	Hydrolyzed PSDA	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFMOAA	0.026	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	Perfluoroheptanoic Acid	0.0026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-121321	12/13/2021	320-83383-1	PFO2HxA	0.0082	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120921	12/09/2021	320-82937-3	PMPA	0.020	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The 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-24-120621	12/06/2021	320-82937-2	Perfluoroheptanoic Acid	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFO2HxA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PFO3OA	0.0041	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	Hydrolyzed PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFMOAA	0.027	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120621	12/06/2021	320-82937-2	PMPA	0.013	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Perfluoroheptanoic Acid	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFO2HxA	0.016	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PFO3OA	0.0041	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	Hydrolyzed PSDA	0.0066	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-120221	12/02/2021	320-82937-1	PMPA	0.013	UG/L	PQL		0.010	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-24-110821	11/08/2021	320-81858-1	PFMOAA	0.023	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 8 segments (Figure E1). Each segment includes one groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action 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 is the Black Creek Aquifer thickness [ft];

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

l is the segment length [ft].

The EVS model output for each segment is presented in Figure E2.

[1] The Black Creek Aquifer is not observed in boreholes from Segment 4 suggesting a localized "pinch-out" of the Black Creek Aquifer in Segment 4. The monitoring well used to determine PFAS mass loading in this segment is screened in the Floodplain Deposits (LTW-03).

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 is the hydraulic gradient [ft/ft];

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

d is the estimated distance between the contour lines [ft]

For each segment, a range of hydraulic gradients was calculated using two different contour elevation differences in the vicinity of the river frontage: a ten-foot elevation difference (between the 40 and 50 ft contours) and a twenty-foot elevation difference (between the 40 and 60 ft contours). Using two contour elevation differences captures the variation in hydraulic gradient estimates over a range of spatial scales. This approach is considered to best represent the likely groundwater fluxes discharging from the Black Creek Aquifer to the Cape Fear River. Based on hydrographs from wells along the river presented in Figure E4 hydraulic gradients in the aquifer are relatively constant over time. With the exception of large changes in the river level (over ten feet), these wells respond to river level fluctuation in a subdued manner.

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 October, November and December 2021. 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 is the mass flux [mg/sec];

l is the segment length [ft];

h is the Black Creek Aquifer thickness [ft];

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

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

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

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

7. The upper and lower bound of the total mass flux for the groundwater pathway was calculated as the sum of the individual mass flux results for the 8 segments. Parameters listed above were also used to estimate groundwater flow rates, shown in Tables E2-1 through E2-3.

Potential Future Methodology 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 E1-1
OCTOBER 2021 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	10/11/2021	1,150	13,400	11.7	10	135.7	20	426.3	0.074	0.047	1.71E-04	41,000	0.1953	0.1243
2	PIW-3D	10/11/2021	873	11,010	12.6	10	366.3	20	601.1	0.027	0.033	1.71E-04	34,000	0.0494	0.0602
3	LTW-02	10/5/2021	875	5,560	6.4	10	626.0	20	908.3	0.016	0.022	1.02E-04	63,000	0.0161	0.0222
4	LTW-03	10/25/2021	729	2,800	3.9	10	621.0	20	852.2	0.016	0.023	1.02E-04	150,000	0.0197	0.0287
5	PZ-22	10/11/2021	656	15,200	23.2	10	806.0	20	1,131.9	0.012	0.018	3.28E-04	190,000	0.3338	0.4753
6	PIW-7D	10/11/2021	524	16,000	30.5	10	854.5	20	1,204.6	0.012	0.017	3.28E-04	150,000	0.2603	0.3693
7	LTW-05	10/12/2021	887	17,200	19.4	10	876.4	20	1,275.0	0.011	0.016	1.28E-04	190,000	0.1353	0.1860
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	213.9	20	421.3	0.047	0.047	2.59E-04	235,000	4.5388	4.6096
													Total	**5.55**	**5.88**

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 October 2021 synoptic well gauging round (Figure E3-1).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 October 2021 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 E1-1
OCTOBER 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference[2] (ft)	Horizontal Distance Between Contours (Lower Elevation Difference)[2] (ft)	Upper Groundwater Contour Elevation Difference[2] (ft)	Horizontal Distance Between Contours (Upper Elevation Difference)[2] (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity[3] (ft/sec)	Total Table 3+ (17 Compounds)[5]		
													Concentration[6] (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	10/11/2021	1,150	13,400	11.7	10	135.7	20	426.3	0.074	0.047	1.71E-04	41,000	0.1953	0.1243
2	PIW-3D	10/11/2021	873	11,010	12.6	10	366.3	20	601.1	0.027	0.033	1.71E-04	34,000	0.0494	0.0602
3	LTW-02	10/5/2021	875	5,560	6.4	10	626.0	20	908.3	0.016	0.022	1.02E-04	63,000	0.0161	0.0222
4	LTW-03	10/25/2021	729	2,800	3.9	10	621.0	20	852.2	0.016	0.023	1.02E-04	150,000	0.0197	0.0287
5	PZ-22	10/11/2021	656	15,200	23.2	10	806.0	20	1,131.9	0.012	0.018	3.28E-04	200,000	0.3513	0.5004
6	PIW-7D	10/11/2021	524	16,000	30.5	10	854.5	20	1,204.6	0.012	0.017	3.28E-04	150,000	0.2603	0.3693
7	LTW-05	10/12/2021	887	17,200	19.4	10	876.4	20	1,275.0	0.011	0.016	1.28E-04	190,000	0.1353	0.1860
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	213.9	20	421.3	0.047	0.047	2.59E-04	235,500	4.5484	4.6194
													Total	**5.58**	**5.91**

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 October 2021 synoptic well gauging round (Figure E3-1).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 October 2021 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 E1-1
OCTOBER 2021 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	10/11/2021	1,150	13,400	11.7	10	135.7	20	426.3	0.074	0.047	1.71E-04	41,000	0.1953	0.1243
2	PIW-3D	10/11/2021	873	11,010	12.6	10	366.3	20	601.1	0.027	0.033	1.71E-04	34,000	0.0494	0.0602
3	LTW-02	10/5/2021	875	5,560	6.4	10	626.0	20	908.3	0.016	0.022	1.02E-04	65,000	0.0166	0.0229
4	LTW-03	10/25/2021	729	2,800	3.9	10	621.0	20	852.2	0.016	0.023	1.02E-04	160,000	0.0210	0.0306
5	PZ-22	10/11/2021	656	15,200	23.2	10	806.0	20	1,131.9	0.012	0.018	3.28E-04	200,000	0.3513	0.5004
6	PIW-7D	10/11/2021	524	16,000	30.5	10	854.5	20	1,204.6	0.012	0.017	3.28E-04	150,000	0.2603	0.3693
7	LTW-05	10/12/2021	887	17,200	19.4	10	876.4	20	1,275.0	0.011	0.016	1.28E-04	200,000	0.1424	0.1957
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	213.9	20	421.3	0.047	0.047	2.59E-04	249,000	4.8092	4.8842
													Total	**5.85**	**6.19**

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 October 2021 synoptic well gauging round (Figure E3-1).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 October 2021 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 E1-2
NOVEMBER 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

Segment	Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Average Thickness of Black Creek Aquifer (ft)	Lower Groundwater Contour Elevation Difference[2] (ft)	Horizontal Distance Between Contours (Lower Elevation Difference)[2] (ft)	Upper Groundwater Contour Elevation Difference[2] (ft)	Horizontal Distance Between Contours (Upper Elevation Difference)[2] (ft)	Hydraulic Gradient (Lower Elevation Difference) (ft/ft)	Hydraulic Gradient (Upper Elevation Difference) (ft/ft)	Hydraulic Conductivity[3] (ft/sec)	Total Attachment C[4]		
													Concentration[6] (ng/L)	Mass Loading Lower Bound (mg/sec)	Mass Loading Upper Bound (mg/sec)
1	PIW-1D	11/16/2021	1,150	13,400	11.7	10	248.2	20	502.0	0.040	0.040	1.71E-04	39,000	0.1016	0.1004
2	PIW-3D	11/29/2021	873	11,010	12.6	10	346.4	20	666.4	0.029	0.030	1.71E-04	34,000	0.0522	0.0543
3	LTW-02	11/29/2021	875	5,560	6.4	10	622.8	20	949.2	0.016	0.021	1.02E-04	42,000	0.0108	0.0142
4	LTW-03	11/3/2021	729	2,800	3.9	10	610.1	20	854.1	0.016	0.023	1.02E-04	150,000	0.0200	0.0286
5	PZ-22	11/18/2021	656	15,200	23.2	10	787.0	20	1,109.5	0.013	0.018	3.28E-04	170,000	0.3059	0.4339
6	PIW-7D	11/17/2021	524	16,000	30.5	10	772.4	20	1,086.8	0.013	0.018	3.28E-04	150,000	0.2879	0.4093
7	LTW-05	11/17/2021	887	17,200	19.4	10	744.0	20	1,106.3	0.013	0.018	1.28E-04	170,000	0.1426	0.1918
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	206.3	20	421.1	0.048	0.047	2.59E-04	235,000	4.7074	4.6121
													Total	**5.63**	**5.84**

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 November 2021 synoptic well gauging round (Figure E3-2).

3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.

4 - Attachment C does not include 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 November 2021 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 E1-2
NOVEMBER 2021 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	11/16/2021	1,150	13,400	11.7	10	248.2	20	502.0	0.040	0.040	1.71E-04	39,000	0.1016	0.1004
2	PIW-3D	11/29/2021	873	11,010	12.6	10	346.4	20	666.4	0.029	0.030	1.71E-04	35,000	0.0537	0.0559
3	LTW-02	11/29/2021	875	5,560	6.4	10	622.8	20	949.2	0.016	0.021	1.02E-04	42,000	0.0108	0.0142
4	LTW-03	11/3/2021	729	2,800	3.9	10	610.1	20	854.1	0.016	0.023	1.02E-04	150,000	0.0200	0.0286
5	PZ-22	11/18/2021	656	15,200	23.2	10	787.0	20	1,109.5	0.013	0.018	3.28E-04	170,000	0.3059	0.4339
6	PIW-7D	11/17/2021	524	16,000	30.5	10	772.4	20	1,086.8	0.013	0.018	3.28E-04	150,000	0.2879	0.4093
7	LTW-05	11/17/2021	887	17,200	19.4	10	744.0	20	1,106.3	0.013	0.018	1.28E-04	170,000	0.1426	0.1918
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	206.3	20	421.1	0.048	0.047	2.59E-04	235,500	4.7174	4.6220
													Total	**5.64**	**5.86**

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 November 2021 synoptic well gauging round (Figure E3-2).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 November 2021 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 E1-2
NOVEMBER 2021 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	11/16/2021	1,150	13,400	11.7	10	248.2	20	502.0	0.040	0.040	1.71E-04	40,000	0.1042	0.1030
2	PIW-3D	11/29/2021	873	11,010	12.6	10	346.4	20	666.4	0.029	0.030	1.71E-04	35,000	0.0537	0.0559
3	LTW-02	11/29/2021	875	5,560	6.4	10	622.8	20	949.2	0.016	0.021	1.02E-04	43,000	0.0111	0.0145
4	LTW-03	11/3/2021	729	2,800	3.9	10	610.1	20	854.1	0.016	0.023	1.02E-04	150,000	0.0200	0.0286
5	PZ-22	11/18/2021	656	15,200	23.2	10	787.0	20	1,109.5	0.013	0.018	3.28E-04	170,000	0.3059	0.4339
6	PIW-7D	11/17/2021	524	16,000	30.5	10	772.4	20	1,086.8	0.013	0.018	3.28E-04	150,000	0.2879	0.4093
7	LTW-05	11/17/2021	887	17,200	19.4	10	744.0	20	1,106.3	0.013	0.018	1.28E-04	170,000	0.1426	0.1918
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	206.3	20	421.1	0.048	0.047	2.59E-04	249,000	4.9878	4.8869
													Total	**5.91**	**6.12**

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 November 2021 synoptic well gauging round (Figure E3-2).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 November 2021 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 E1-3
DECEMBER 2021 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	12/27/2021	1,150	13,400	11.7	10	282.2	20	553.8	0.035	0.036	1.71E-04	33,000	0.0756	0.0770
2	PIW-3D	12/21/2021	873	11,010	12.6	10	372.2	20	666.6	0.027	0.030	1.71E-04	33,000	0.0472	0.0527
3	LTW-02	12/28/2021	875	5,560	6.4	10	606.2	20	1,042.0	0.016	0.019	1.02E-04	39,000	0.0103	0.0120
4	LTW-03	12/8/2021	729	2,800	3.9	10	635.1	20	908.9	0.016	0.022	1.02E-04	140,000	0.0180	0.0251
5	PZ-22	12/6/2021	656	15,200	23.2	10	790.2	20	1,117.9	0.013	0.018	3.28E-04	150,000	0.2688	0.3800
6	PIW-7D	12/6/2021	524	16,000	30.5	10	705.2	20	970.7	0.014	0.021	3.28E-04	150,000	0.3154	0.4583
7	LTW-05	12/22/2021	887	17,200	19.4	10	694.8	20	987.2	0.014	0.020	1.28E-04	170,000	0.1527	0.2149
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	167.6	20	325.2	0.060	0.061	2.59E-04	235,000	5.7946	5.9713
													Total	**6.68**	**7.19**

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 December 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 December 2021 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 E1-3
DECEMBER 2021 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	12/27/2021	1,150	13,400	11.7	10	282.2	20	553.8	0.035	0.036	1.71E-04	33,000	0.0756	0.0770
2	PIW-3D	12/21/2021	873	11,010	12.6	10	372.2	20	666.6	0.027	0.030	1.71E-04	33,000	0.0472	0.0527
3	LTW-02	12/28/2021	875	5,560	6.4	10	606.2	20	1,042.0	0.016	0.019	1.02E-04	39,000	0.0103	0.0120
4	LTW-03	12/8/2021	729	2,800	3.9	10	635.1	20	908.9	0.016	0.022	1.02E-04	140,000	0.0180	0.0251
5	PZ-22	12/6/2021	656	15,200	23.2	10	790.2	20	1,117.9	0.013	0.018	3.28E-04	150,000	0.2688	0.3800
6	PIW-7D	12/6/2021	524	16,000	30.5	10	705.2	20	970.7	0.014	0.021	3.28E-04	160,000	0.3364	0.4888
7	LTW-05	12/22/2021	887	17,200	19.4	10	694.8	20	987.2	0.014	0.020	1.28E-04	170,000	0.1527	0.2149
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	167.6	20	325.2	0.060	0.061	2.59E-04	235,500	5.8069	5.9840
													Total	**6.72**	**7.23**

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 December 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 December 2021 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 E1-3
DECEMBER 2021 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	12/27/2021	1,150	13,400	11.7	10	282.2	20	553.8	0.035	0.036	1.71E-04	33,000	0.0756	0.0770
2	PIW-3D	12/21/2021	873	11,010	12.6	10	372.2	20	666.6	0.027	0.030	1.71E-04	33,000	0.0472	0.0527
3	LTW-02	12/28/2021	875	5,560	6.4	10	606.2	20	1,042.0	0.016	0.019	1.02E-04	40,000	0.0106	0.0123
4	LTW-03	12/8/2021	729	2,800	3.9	10	635.1	20	908.9	0.016	0.022	1.02E-04	150,000	0.0193	0.0269
5	PZ-22	12/6/2021	656	15,200	23.2	10	790.2	20	1,117.9	0.013	0.018	3.28E-04	150,000	0.2688	0.3800
6	PIW-7D	12/6/2021	524	16,000	30.5	10	705.2	20	970.7	0.014	0.021	3.28E-04	160,000	0.3364	0.4888
7	LTW-05	12/22/2021	887	17,200	19.4	10	694.8	20	987.2	0.014	0.020	1.28E-04	180,000	0.1616	0.2275
8	PW-11, PIW-10DR[7]	7/23/2021	1,990	56,300	28.3	10	167.6	20	325.2	0.060	0.061	2.59E-04	249,000	6.1398	6.3271
													Total	**7.06**	**7.59**

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 December 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include 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 December 2021 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 E2-1
OCTOBER 2021 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	0.074	0.047	1.71E-04	1.68E-01	1.07E-01	108,728	69,220
2	11,010	0.027	0.033	1.71E-04	5.13E-02	6.25E-02	33,140	40,393
3	5,560	0.016	0.022	1.02E-04	9.03E-03	1.25E-02	5,838	8,048
4	2,800	0.016	0.023	1.02E-04	4.64E-03	6.76E-03	2,996	4,367
5	15,200	0.012	0.018	3.28E-04	6.20E-02	8.84E-02	40,096	57,102
6	16,000	0.012	0.017	3.28E-04	6.13E-02	8.69E-02	39,607	56,190
7	17,200	0.011	0.016	1.28E-04	2.51E-02	3.46E-02	16,248	22,338
8	56,300	0.047	0.047	2.59E-04	6.82E-01	6.93E-01	440,831	447,712
					1.064	**1.091**	**687,485**	**705,370**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-1.

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 E2-2
NOVEMBER 2021 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	0.040	0.040	1.71E-04	9.20E-02	9.09E-02	59,442	58,781
2	11,010	0.029	0.030	1.71E-04	5.42E-02	5.64E-02	35,045	36,435
3	5,560	0.016	0.021	1.02E-04	9.08E-03	1.19E-02	5,868	7,701
4	2,800	0.016	0.023	1.02E-04	4.72E-03	6.74E-03	3,050	4,357
5	15,200	0.013	0.018	3.28E-04	6.35E-02	9.01E-02	41,064	58,254
6	16,000	0.013	0.018	3.28E-04	6.78E-02	9.64E-02	43,813	62,282
7	17,200	0.013	0.018	1.28E-04	2.96E-02	3.98E-02	19,140	25,746
8	56,300	0.048	0.047	2.59E-04	7.07E-01	6.93E-01	457,204	447,957
					1.028	**1.085**	**664,627**	**701,513**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-2.

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 E2-3
DECEMBER 2021 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	0.035	0.036	1.71E-04	8.09E-02	8.24E-02	52,278	53,277
2	11,010	0.027	0.030	1.71E-04	5.05E-02	5.64E-02	32,621	36,423
3	5,560	0.016	0.019	1.02E-04	9.33E-03	1.09E-02	6,029	7,015
4	2,800	0.016	0.022	1.02E-04	4.53E-03	6.34E-03	2,930	4,095
5	15,200	0.013	0.018	3.28E-04	6.33E-02	8.95E-02	40,896	57,817
6	16,000	0.014	0.021	3.28E-04	7.43E-02	1.08E-01	47,992	69,731
7	17,200	0.014	0.020	1.28E-04	3.17E-02	4.46E-02	20,497	28,850
8	56,300	0.060	0.061	2.59E-04	8.71E-01	8.97E-01	562,805	579,970
					1.185	**1.295**	**766,048**	**837,177**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-3.

2 - Hydraulic gradient determined using a lower groundwater contour elevation difference (10 ft) and an upper groundwater contour elevation difference (20 ft)

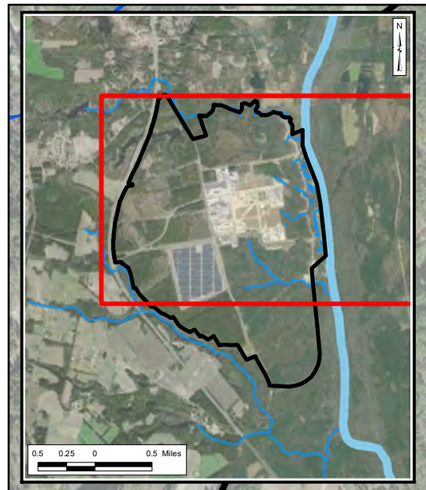
ft - feet

ft^2 - square feet

ft/sec - feet per second

ft^3/sec - cubic feet per second

gal/day - gallons per day



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 E1-1 to E1-3 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

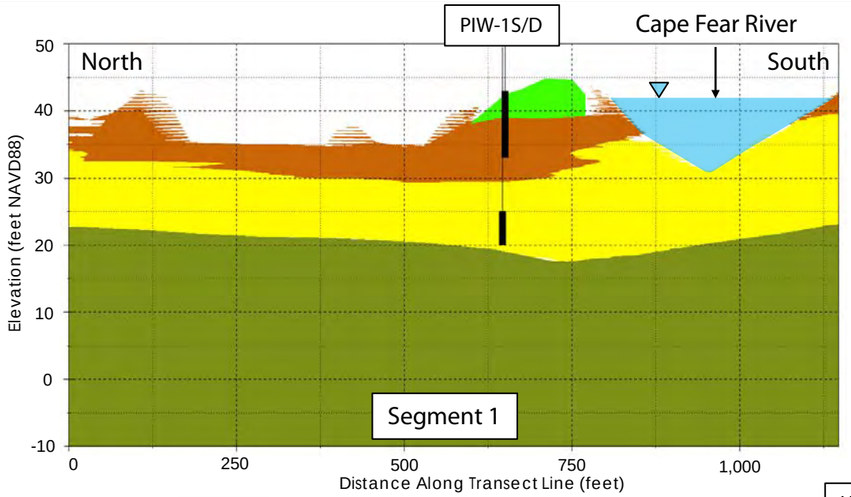
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

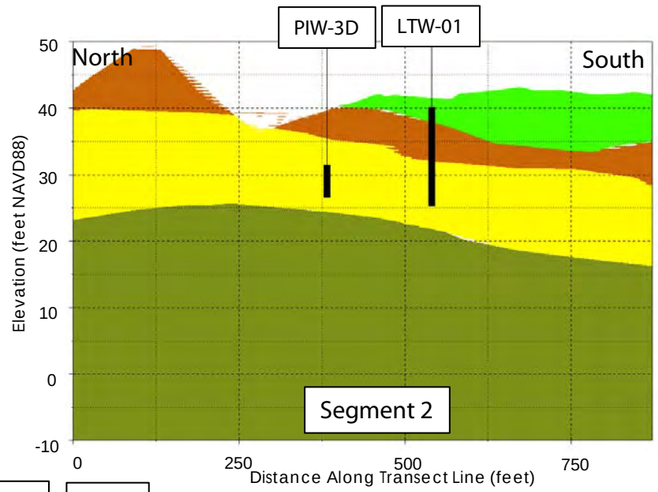
Raleigh | March 2022

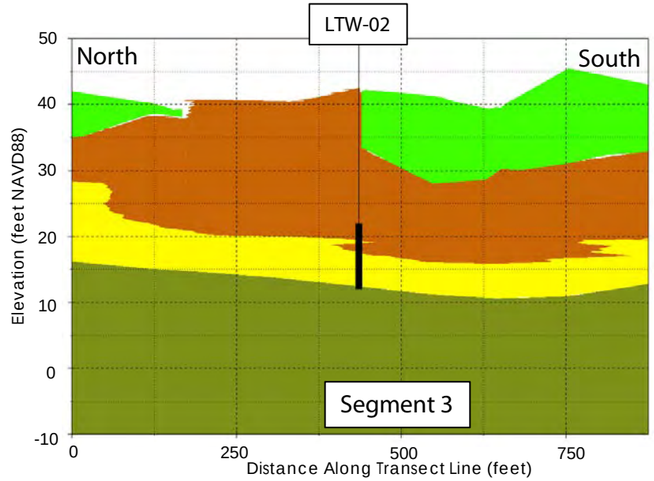
Figure **E1**

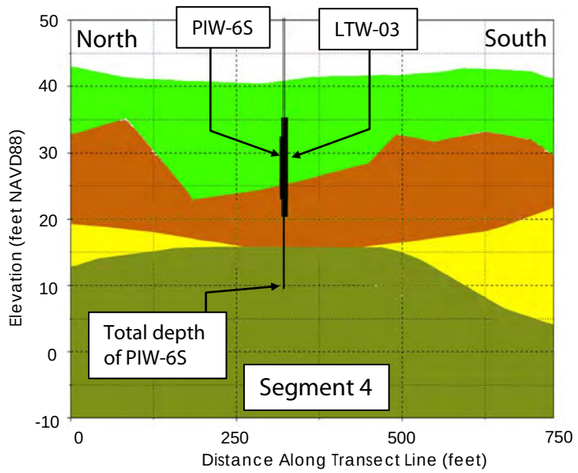
Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_BlackCreekAquiferSegmentsforGroundwaterPathway.mxd Last Revised: 2/24/2022 Author: Tlp

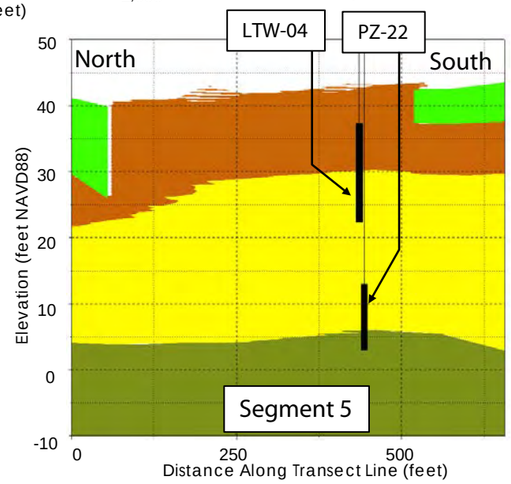
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

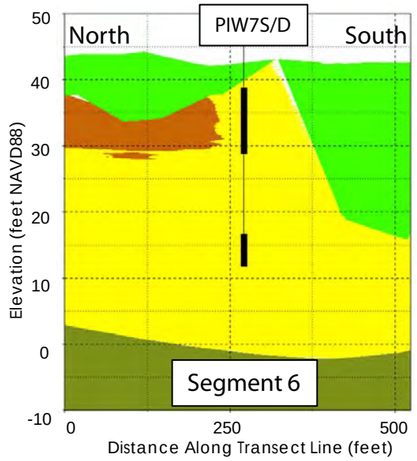


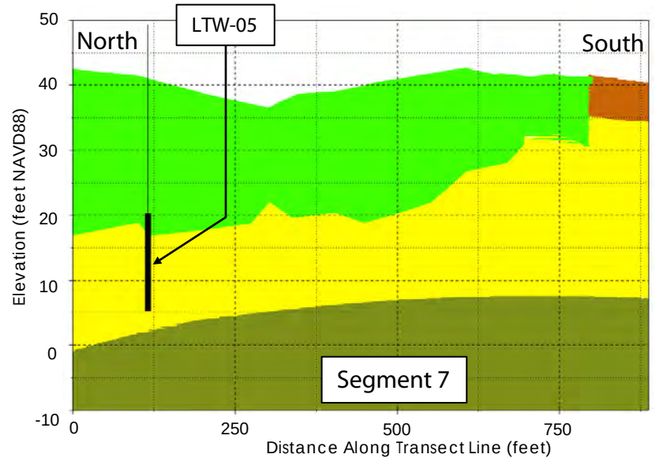


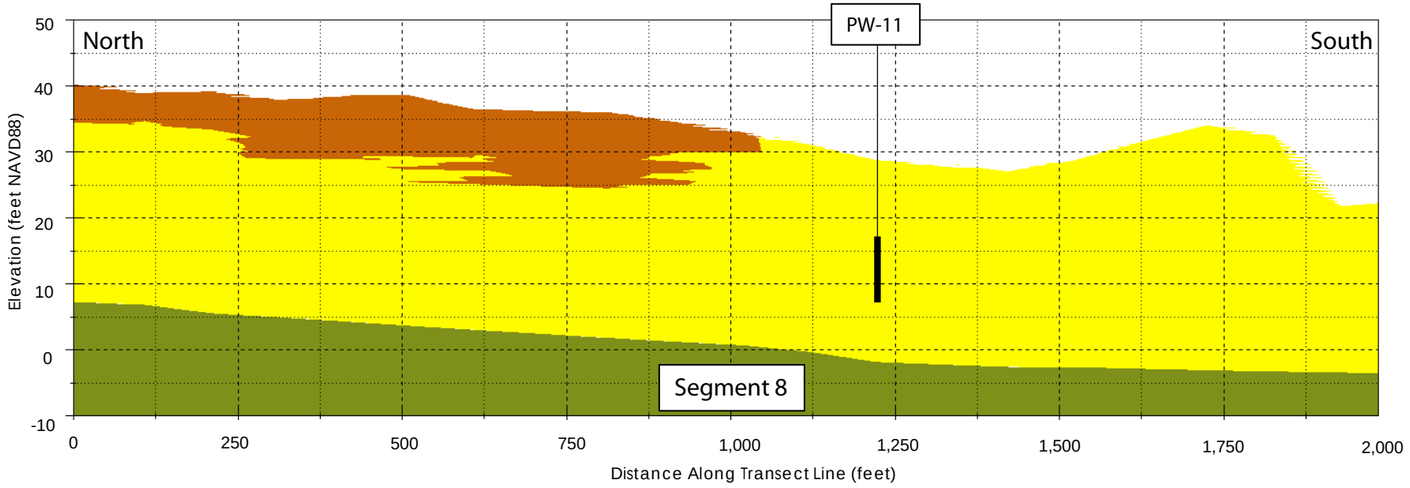


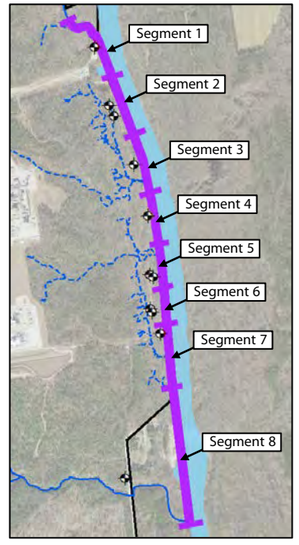












Legend

- Well screen[1]

Units[2]

- Floodplain Deposits
- Black Creek Confining Unit
- Black Creek Aquifer
- Upper Cape Fear Confining Unit

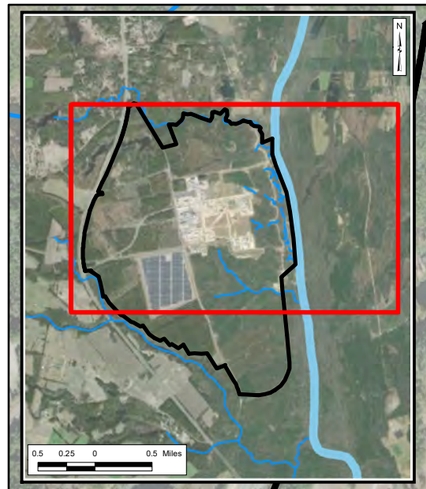
Notes:
NAVD88 – feet North America Datum of 1988
Vertical Exaggeration = 10x
1. Wells are projected onto the cross-section.

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

Raleigh | March 2022

Figure **E2**



Willis Creek

PW-09 47.84
PIW-11 37.12
PIW-12 34.39
PIW-13 34.55
SMW-12 34.29
PIW-14 35.33
PIW-15 33.49
PIW-1S 32.51
PIW-1D 33.27
PIW-3D 35.92
LTW-01 36.20
OW-1 59.94
OW-10 59.95
EW-1 59.68
PIW-2D 59.87
SMW-03B 94.68
BCA-01 NM
PW-12 93.54
LTW-02 42.11
PW-15R NM
PIW-4D 42.46
BCA-03R 102.07
EW-4 50.42
PW-10R 48.19
OW-2 50.16
OW-3 50.00
LTW-03 38.75
PIW-6S 38.89
PW-13 118.48
PZ-22 43.58
PW-14 87.48
LTW-04 47.52
EW-5 45.29
OW-7 45.23
PIW-7S 42.66
PIW-7D 43.51
OW-8 44.49
LTW-05 41.54
PIW-16D 130.02
PIW-8D 41.56
BCA-02 75.35
PIW-9D 42.61
EW-2 45.05
OW-6 42.74
BCA-04 122.98
PIW-10DR 61.60
EW-3 61.66
OW-4 61.68
OW-5 61.87
OW-9 61.82
PW-11 41.91
Old Outfall 002

50 60 70 80 90 100 110 120 130

Cape Fear River

Segment 1 0.074 0.047
Segment 2 0.027 0.033
Segment 3 0.016 0.022
Segment 4 0.016 0.023
Segment 5 0.012 0.018
Segment 6 0.012 0.017
Segment 7 0.011 0.016
Segment 8 0.047 0.047

Seep A
Seep B
Seep C
Seep D

N

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
0.074 — Hydraulic Gradient (ft/ft) based on lower elevation difference
0.047 — 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 October 4, 2021 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 E1-1.
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 - October 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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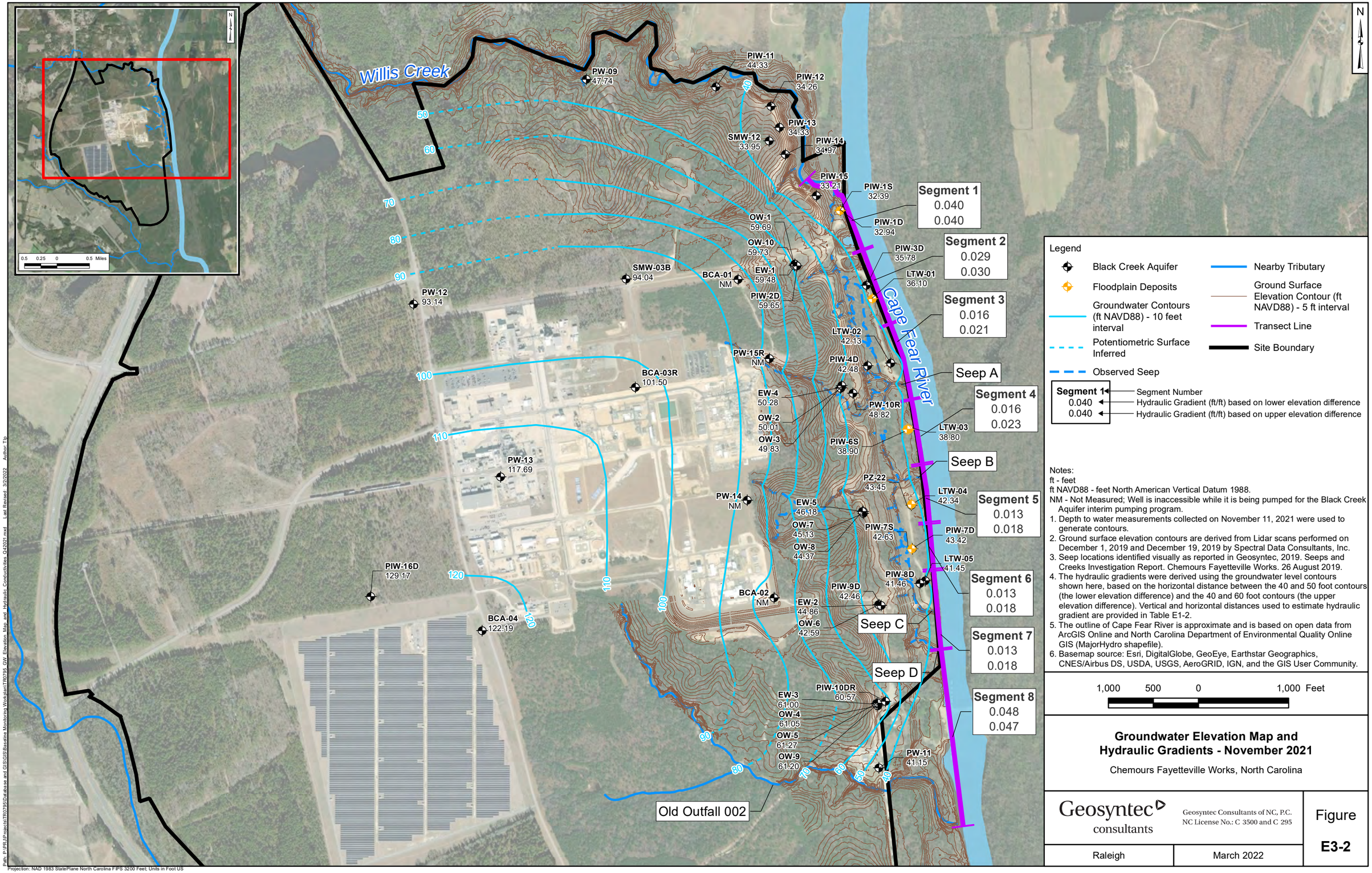
Figure E3-1

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Elevation Map and Hydraulic Conductivities Q42021.mxd Last Revised: 3/2/2022 Author: Tlp

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



Legend

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

Segment 1 — Segment Number
0.040 — Hydraulic Gradient (ft/ft) based on lower elevation difference
0.040 — 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 November 11, 2021 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 E1-2.
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 - November 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

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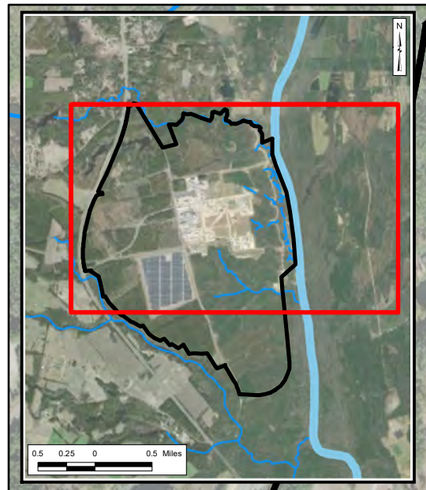
Figure E3-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Elevation Map and Hydraulic Conductivities Q42021.mxd Last Revised: 3/2/2022 Author: Tlp

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



Willis Creek

PW-09 47.94
PIW-11 44.22
PIW-12 34.30
PIW-13 34.33
SMW-12 34.01
PIW-14 35.01
PIW-15 33.16
PIW-1S DRY
PIW-1D 32.83
OW-1 59.59
OW-10 59.61
EW-1 59.38
PIW-2D 59.53
PIW-3D 35.73
LTW-01 36.10
LTW-02 42.19
PIW-4D 42.55
PW-10R 48.88
LTW-03 38.90
PIW-6S 39.15
PZ-22 43.62
LTW-04 42.11
PIW-7S 42.77
PIW-7D 43.59
LTW-05 41.58
PIW-8D 41.55*
PIW-9D 42.49
EW-2 44.90
OW-6 42.71
EW-5 45.32
OW-7 45.27
OW-8 44.51
EW-4 50.29
OW-2 50.05
OW-3 49.87
PW-15R NM
BCA-01 NM
SMW-03B 94.67
PW-12 92.93
BCA-03R 101.19
PW-13 117.25
PW-14 NM
PIW-16D 128.70
BCA-04 121.71
BCA-02 NM
EW-3 61.46
OW-4 61.51
OW-5 61.73
OW-9 61.49
PIW-10DR 61.61
PW-11 35.89

Cape Fear River

Segment 1 0.035 0.036
Segment 2 0.027 0.030
Segment 3 0.016 0.019
Segment 4 0.016 0.022
Segment 5 0.013 0.018
Segment 6 0.014 0.021
Segment 7 0.014 0.020
Segment 8 0.060 0.061

Seep A
Seep B
Seep C
Seep D
Old Outfall 002

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
0.035 ← Hydraulic Gradient (ft/ft) based on lower elevation difference
0.036 ← Hydraulic Gradient (ft/ft) based on upper elevation difference

Notes:

* - Groundwater elevation for PIW-8D is based on the water level recorded on December 2, 2021 by the data logger installed in this well. The water level recorded during manual depth to water measurements was erroneous and is not shown here.

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 December 2, 2021 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 E1-3.
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 - December 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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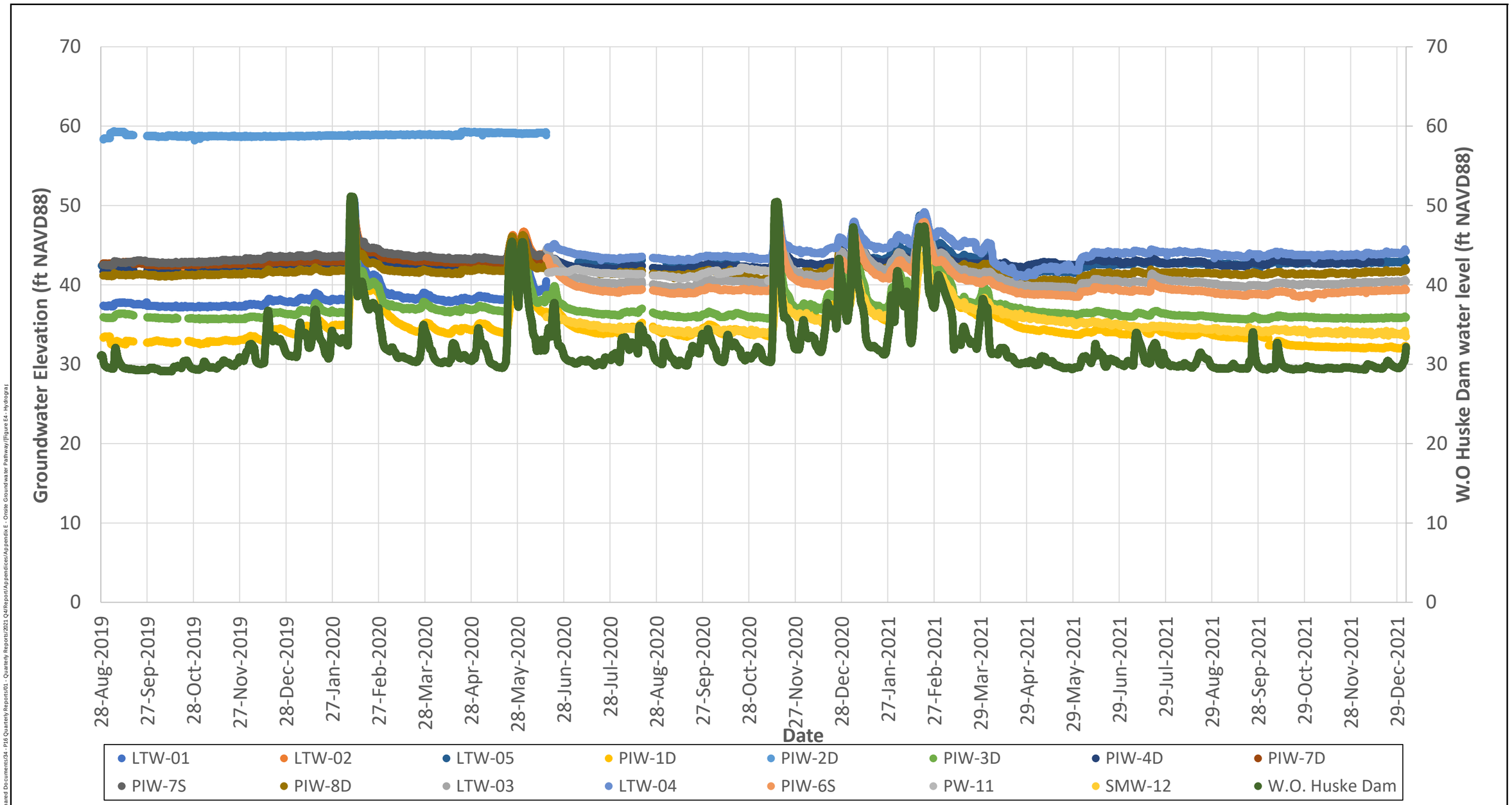
Raleigh | March 2022

Figure **E3-3**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Elevation Map and Hydraulic Conductivities Q42021.mxd Last Revised: 3/2/2022 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

Geosyntec consultants
Geosyntec Consultants of NC, P.C.
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Raleigh | March 2022

Figure
E4

https://projectsteslb.geosyntec.com/5/FWConsentOrder/Shared Documents/34 - P16 Quaterly Reports/01 - Quaterly Reports/2021 Q4/Report/Appendices/Appendix E - Onsite Groundwater Pathway/[Figure E4 - Hydrograp

Geosyntec consultants

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

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 (18) sections (Figure F1) provided from FEMA (2007) were selected along the Cape Fear River to measure the average river width (m). As depicted in Figures F2 through F6, sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 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 (2021) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Tables F3-1 to F3-3. The combined deposition rate (ng/m^2/hr) from Table F1, section area (m^2), and travel time (hr) will be used to calculate mass HFPO-DA deposited (ng) as follows in **Equation 3** below.

Equation 3: Total HFPO-DA Mass Discharge to Cape Fear River

$$MD_{HFPO-DA} = \sum_{s=1}^{S} DR_{AVG,s} \times A_s \times t_s$$

where,

$MD_{HFPO-DA}$ = total mass discharge of HFPO-DA into the river across all sections, with units of mass per time ($M\ T^{-1}$), typically mg/s;

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 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, 2021. USGS 02105500 Cape Fear River at Wilm O Huske Lock near Tarheel, NC. Available at: https://waterdata.usgs.gov/nwis/uv?site_no=02105500

TABLE F1
NET HOURLY HFPO-DA DEPOSITION RATE
Chemours Fayetteville Works, North Carolina

Air Loading ($\mu g/m^2$)	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 F3-1
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
10/19/2021	922	1.34	0.0	26,121	323	18	2	5,133	0.2
10/20/2021	908	1.32	0.0	25,699	323	18	2	5,129	0.2
10/21/2021	871	1.28	0.0	24,655	323	18	2	5,119	0.2
								Average River Velocity:	**0.2**

Notes:

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

2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.

3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second

ft: feet

ft^2: feet squared

ft/s: feet per second

L/s: Liter per second

USGS - United States Geological Survey

TABLE F3-2
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
11/9/2021	929	1.34	0.0	26,317	323	18	2	5,135	0.2
11/10/2021	909	1.32	0.0	25,744	323	18	2	5,130	0.2
11/11/2021	980	1.40	0.0	27,744	323	18	2	5,148	0.2
								Average River Velocity:	**0.2**

Notes:

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

2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.

3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second.

ft: feet.

ft^2: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F3-3
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
12/14/2021	1,162	1.57	0.0	32,912	323	18	2	5,192	0.2
12/15/2021	1,049	1.46	0.0	29,694	323	18	2	5,165	0.2
12/16/2021	1,024	1.44	0.0	28,992	323	18	2	5,160	0.2
							Average River Velocity:		**0.2**

Notes:

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

2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.

3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second.

ft: feet.

ft^2: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-E	SEEP-E	SEEP-F	SEEP-F	SEEP-G	SEEP-G	SEEP-H
Field Sample ID	SEEP-E-0930	Seep E-030420	SEEP-F-0923	Seep F-030420	SEEP-G-0911	Seep G-030420	SEEP-H-0905
Sample Date	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1
Lab Sample ID	320-55576-1	1274949	320-55576-2	1274953	320-55576-3	1274957	320-55576-4
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 F5-1
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - OCTOBER 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m^2)	End Air Loading (ug/m^2)	Start Deposition Rate $(ng/m^2/hr)^2$	End Deposition Rate $(ng/m^2/hr)^2$	Average Deposition Rate ($ng/m^2/hr$)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.2	192.66	4.69	7.6	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.2	192.66	2.54	1.7	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.2	192.66	4.72	2.9	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.2	192.66	3.04	2.4	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.2	192.66	2.93	1.1	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 October 19 to 21, 2021, Table F3-1
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.

$\mu g/m^2/yr$: 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

TABLE F5-2
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - NOVEMBER 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m^2)	End Air Loading (ug/m^2)	Start Deposition Rate $(ng/m^2/hr)^2$	End Deposition Rate $(ng/m^2/hr)^2$	Average Deposition Rate ($ng/m^2/hr$)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.2	200.63	4.50	7.3	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.2	200.63	2.44	1.6	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.2	200.63	4.53	2.8	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.2	200.63	2.92	2.3	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.2	200.63	2.81	1.1	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 November 9 to 11, 2021, Table F3-2
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.

$\mu g/m^2/yr$: 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

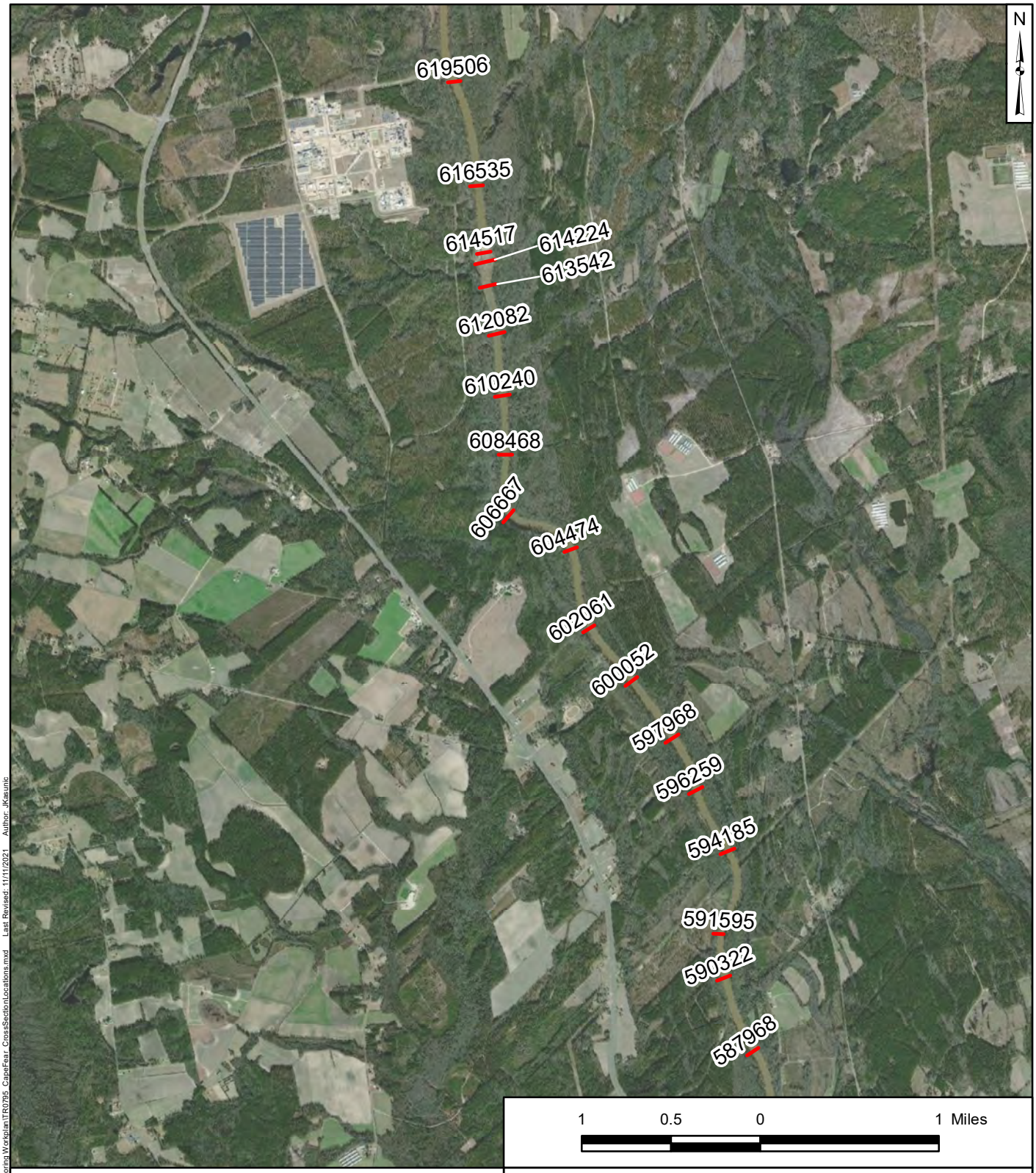
TABLE F5-3
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - DECEMBER 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m^2)	End Air Loading (ug/m^2)	Start Deposition Rate $(ng/m^2/hr)^2$	End Deposition Rate $(ng/m^2/hr)^2$	Average Deposition Rate ($ng/m^2/hr$)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.2	228.71	3.95	6.4	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.2	228.71	2.14	1.4	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.2	228.71	3.97	2.4	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.2	228.71	2.56	2.0	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.2	228.71	2.47	0.9	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 December 14 to 16, 2021, Table F3-3
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.

$\mu g/m^2/yr$: 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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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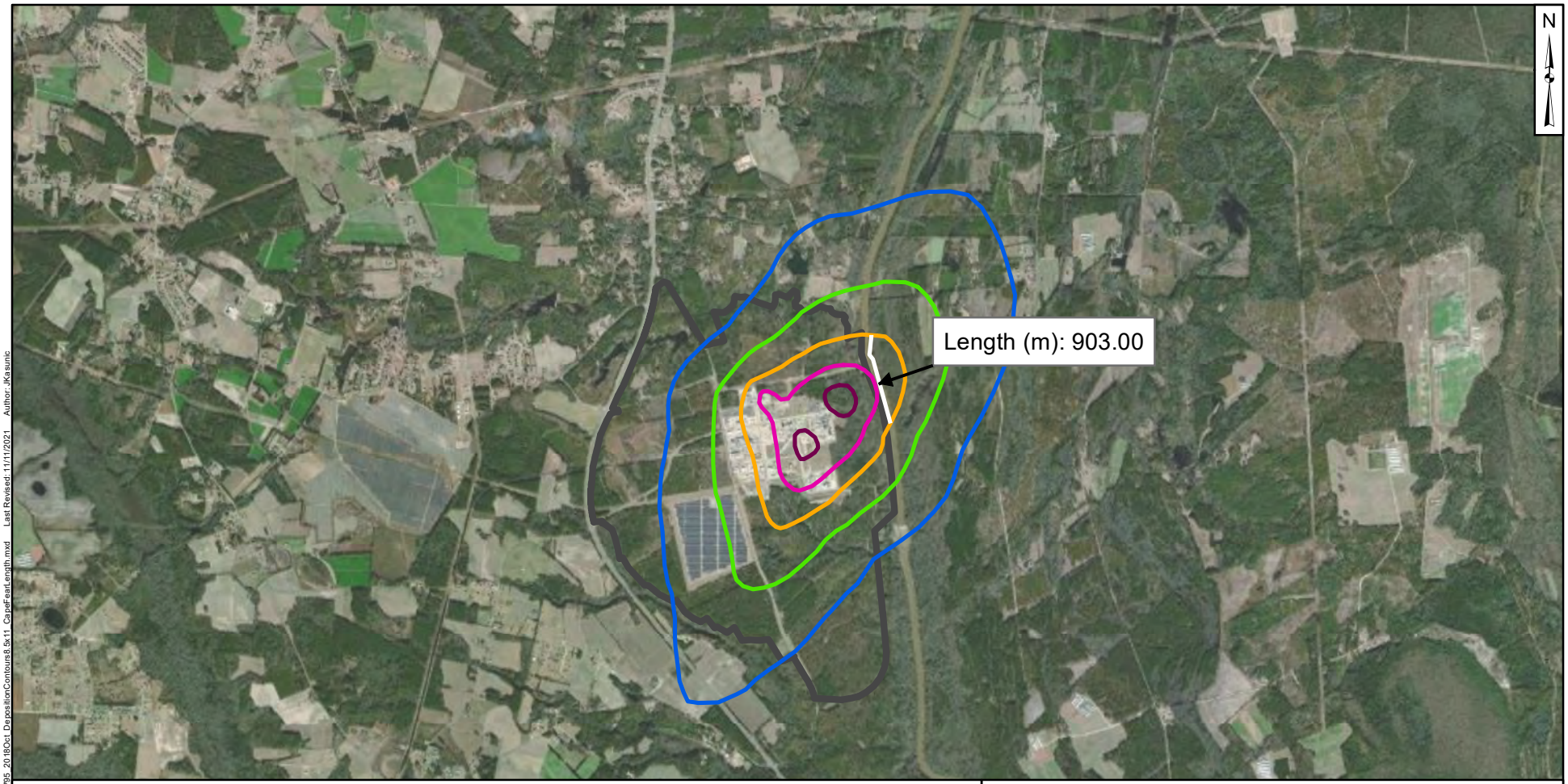
Figure

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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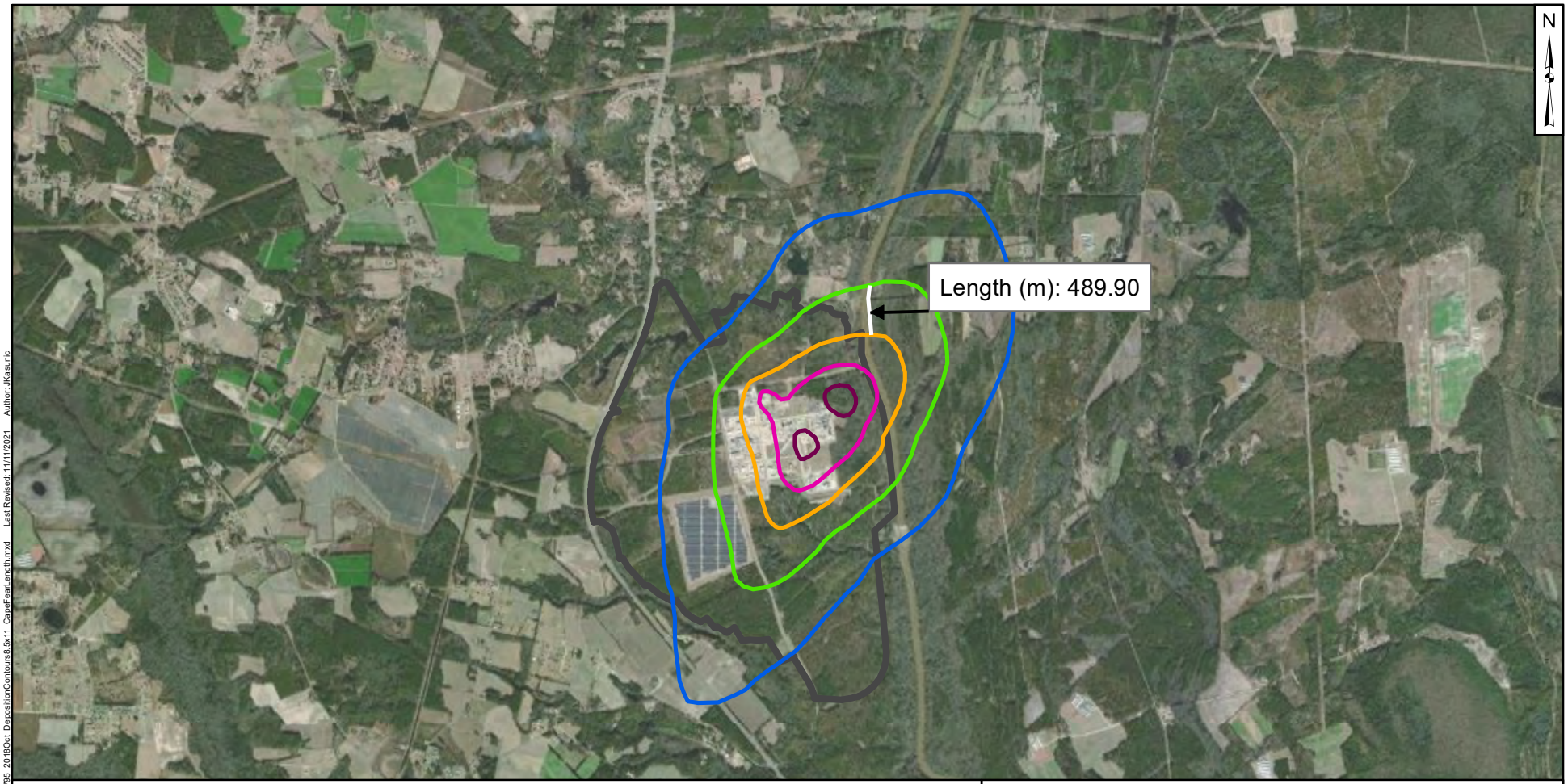
Figure **F2**

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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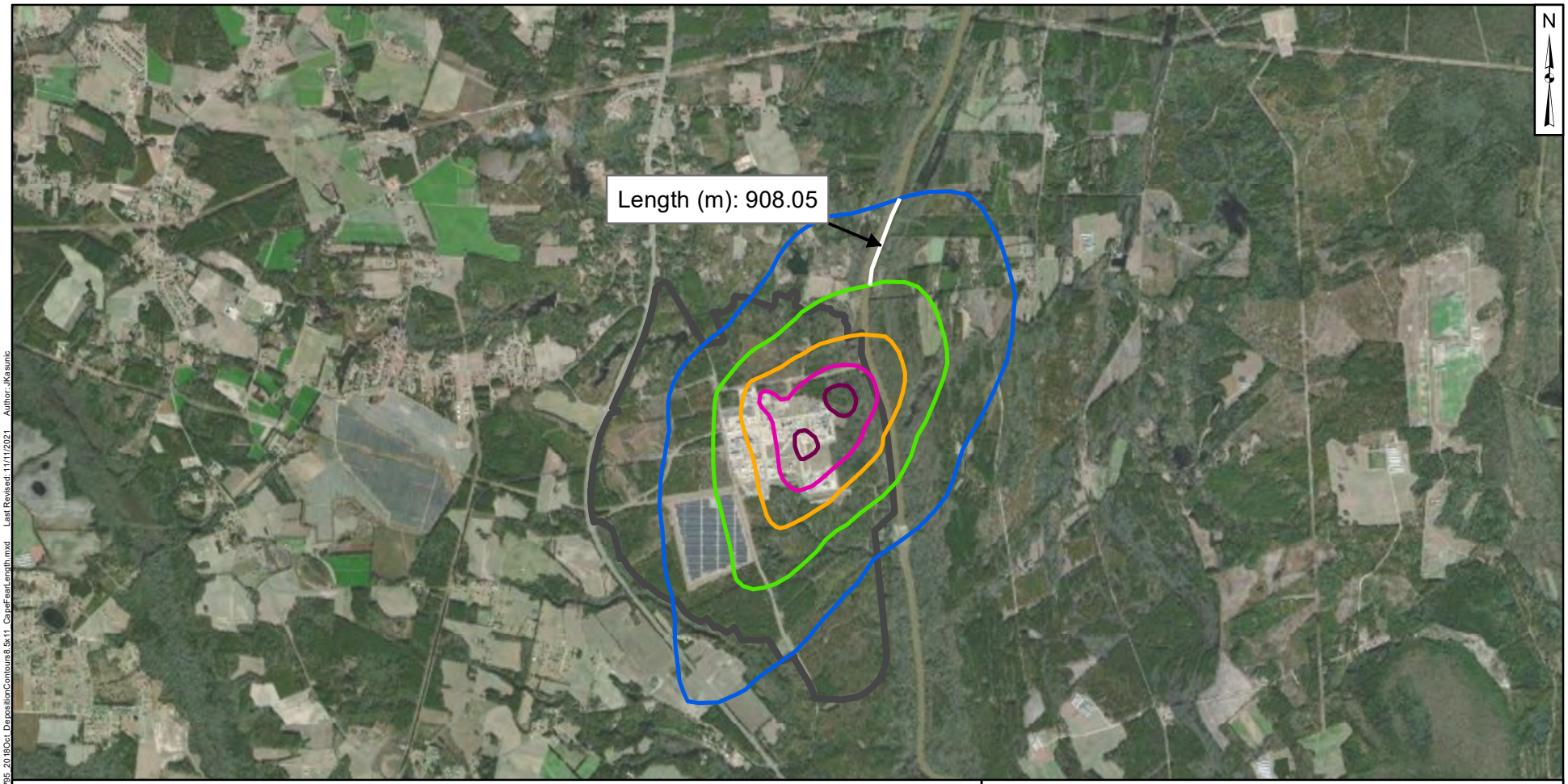
Figure **F3**

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/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:
µg / m²/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Up-River Section 2

Chemours Fayetteville Works, North Carolina

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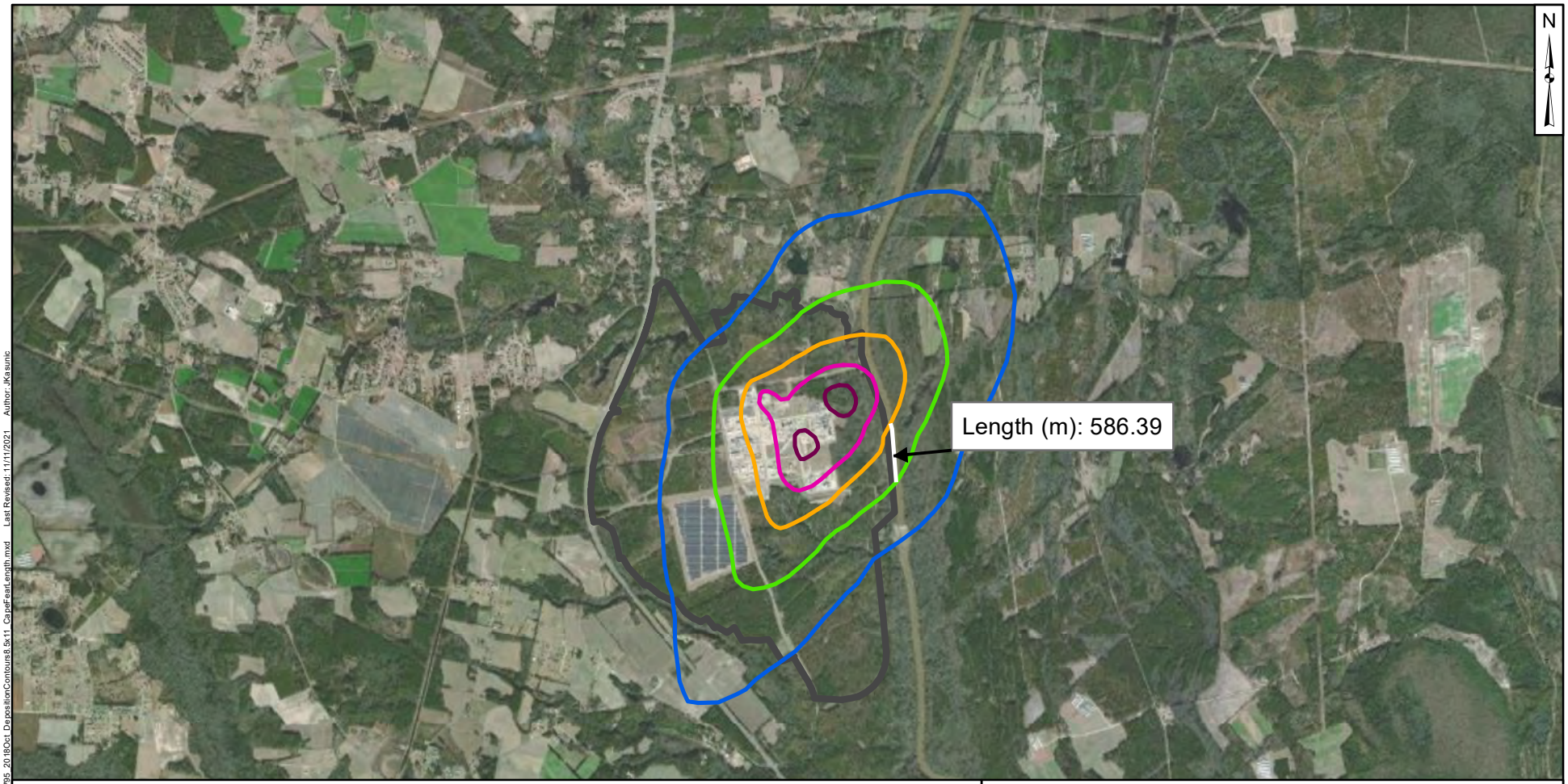
Figure **F4**

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 1

Chemours Fayetteville Works, North Carolina

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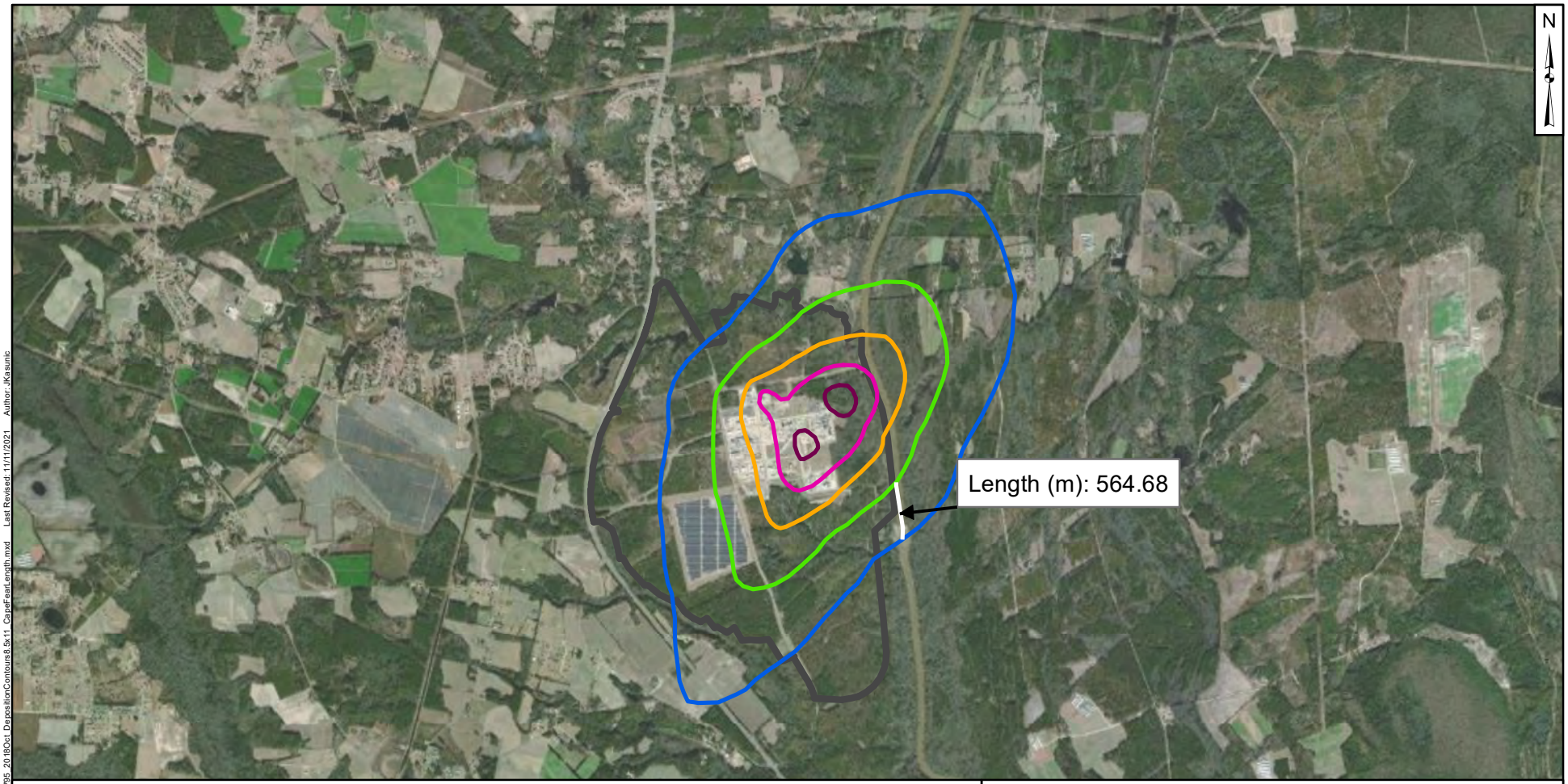
Figure **F5**

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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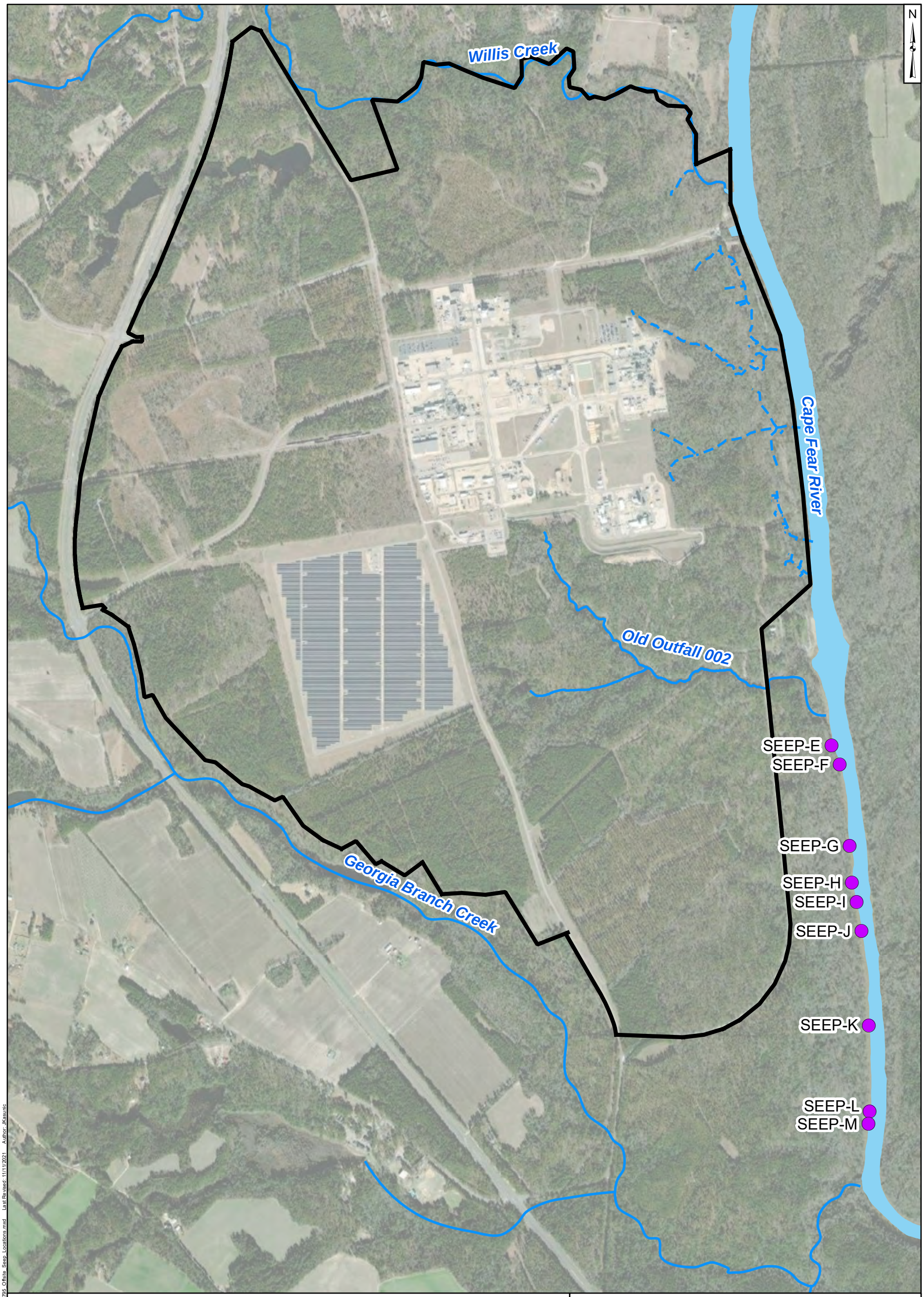
Figure **F6**

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

- 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

Chemours Fayetteville Works, North Carolina

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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