

Appendix A

Cape Fear River PFAS Mass Loading Model

INTRODUCTION AND OBJECTIVE

The objective of this appendix is to estimate the mass discharge from the identified PFAS transport pathways using a Cape Fear River mass loading model developed and described in the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec, 2020a) and to assess contributions by pathway. The following sections describe the transport pathways, the results from the mass loading model, and the limitations of the mass loading model. Supporting tables for the Mass Loading Model are provided in Attachment ATT1.

The one-year period of monthly sampling of the mass loading model pathways per Consent Order (CO) Paragraph 1(b) was completed in December 2021. Quarterly sample collection was initiated in January 2022 and will continue for a period of 4 years (through Q4 2026) (Geosyntec, 2020a).

Mass Loading Model Transport Pathways

The nine potential pathways representing compartments to the mass loading model were identified as potential contributors of PFAS to river PFAS concentrations (Geosyntec, 2020a). Of these nine pathways, five have remedies in place. The pathways are described below:

- **Transport Pathway 1:** Upstream Cape Fear River and Groundwater – This pathway is comprised of contributions from non-Chemours related PFAS sources on the Cape Fear River and tributaries upstream of the Site, and upstream offsite groundwater with PFAS present from aerial deposition.
- **Transport Pathway 2:** Willis Creek – Groundwater and stormwater discharge and aerial deposition to Willis Creek and then to the Cape Fear River.
- **Transport Pathway 3 (Remedy: Thermal Oxidizer and Carbon Bed Air Emission Treatment):** Direct aerial deposition of PFAS on the Cape Fear River (see Attachment ATT2 for further details).
- **Transport Pathway 4 (Remedy: Stormwater Capture and Treatment in the Monomers IXM Manufacturing Area):** Outfall 002 – Comprised of (i) water drawn from the Cape Fear River and used as non-contact cooling water, (ii) treated non-Chemours process water, (iii) Site stormwater, (iv) steam condensate, and (v) power neutralization discharge, which are then discharged through Outfall 002.
- **Transport Pathway 5 (Remedy: Barrier Wall and Groundwater Extraction Treatment):** Onsite Groundwater – Direct upwelling of onsite groundwater to the Cape Fear River from the Black Creek Aquifer. Prior to Q2 2022, the hydraulic gradients were derived from potentiometric maps. Since Q2 2022, hydraulic gradients were estimated between well pairs downgradient of the remedy because the prior method is considered not appropriate for these new conditions since barrier wall results in a discontinuous potentiometric surface. Additional details are provided in Attachment ATT3.

- **Transport Pathway 6 (Remedy: Seep Flow-Through Cells):** Seeps – Onsite groundwater seeps A, B, C and D and the offsite Lock and Dam Seep originating above the Cape Fear River water level on the bluff face from the facility that then discharge into the Cape Fear River.
- **Transport Pathway 7 (Remedy: Outfall 003 Stream Capture and Treatment System):** Outfall 003 Stream (previously referred to as Old Outfall 002) – Groundwater discharge and stormwater runoff to the Outfall 003 Stream that flows into the Cape Fear River.
- **Transport Pathway 8:** Adjacent and Downstream Offsite Groundwater – Offsite groundwater adjacent and downstream of the Site upwelling to the Cape Fear River.
- **Transport Pathway 9:** Georgia Branch Creek – Groundwater, stormwater discharge and aerial deposition to Georgia Branch Creek and then to the Cape Fear River.

For the Q3 2023 mass loading model assessments, data sources used as model inputs for each potential pathway are described in Table A1.

SAMPLING ACTIVITIES AND LABORATORY ANALYSIS

The mass loading model sampling program for this reporting period consisted of collecting concentration and flow data from the various PFAS transport pathways during the reporting period (July 2023). A total of 39 water samples were collected, which includes surface water (seep, creeks, Outfall 003 Stream, Outfall 002, and Cape Fear River) and groundwater. The sample collection and flow measurement methods of each pathway are outlined in Table A2. The field forms are provided in Appendix C. Details of the sampling methods and flow measurement methods can be found in *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec, 2020a).

Flow Measurements

The flow rates measured for the seep and surface water events are reported in Table A2. Details on the flow calculations for each model transport pathway along with measurement methods at each flow gauging location are provided in Attachment Tables ATT1-1 to ATT1-10.

Surface Water Sample Collection

The seep water, surface water, and river water samples were collected from July 26 to 27, 2023. A total of 17 primary samples, 1 duplicate sample, and 2 equipment blank were collected. There were no deviations from the sampling program this quarter.

Field parameters recorded for these samples are provided in Table A2. Recorded field parameter data are generally consistent with expectations.

Water Levels and Groundwater Sample Collection

One synoptic water level survey of the onsite groundwater monitoring well network was completed on July 5 to 6, 2023 (Table A3). From July 10 to August 10, groundwater samples were collected from 20 locations, including the 18 of the 20 monitoring wells outlined in CO Paragraph 16 (Table A4). This list of groundwater wells is derived from the Corrective Action Plan (CAP) (Geosyntec, 2019). PW-07 and PIW-1S were not sampled this quarter because those wells were dry. The groundwater field parameters are provided in Table A4.

Laboratory Analyses

All samples were sent to Eurofins Scientific (West Sacramento, CA) and were analyzed for Table 3+ and other PFAS compounds using Method 537 Mod Max (56 compounds which now includes PFPrA).

PFAS ANALYTICAL RESULTS

The analytical results from samples during the Q3 2023 surface water and groundwater sampling events are presented in Tables A5 and A6, respectively. The laboratory reports and Data Verification Module (DVM) reports are provided in Appendix D of the main report. The analytical data have been reviewed and validated. The duplicate samples have also been compared to the primary samples.

Data Validation

The method described in this subsection was used to validate the analytical data with samples described in this appendix and in the main report. 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-EVE¹.

Surface Water PFAS Analytical Results

For the surface and seep water samples, two equipment blanks were collected and no PFAS were detected above the associated reporting limits. One field duplicate was collected at the Outfall 002 location on July 27, 2023. PFAS results for the primary (CAP3Q23-OUTFALL-002-24-072723) and duplicate sample (OUTFALL-002-24-072723-D had relative percent differences of less than 30% for the reported compounds.

Analytical results for the seep, surface, and river water samples are summarized in Table A5 (Table 3+) and Attachment Table ATT1-11 (Mod 537). Figure A1 shows the Total Table 3+ (17 compounds) concentrations reported for samples collected in Q3 2023 that corresponds to the mass loading model transport pathways. Figure A2 and A3 show the Total Table 3+ (17 compounds) concentrations and HFPO-DA concentrations at upstream and downstream locations along the Cape Fear River.

Among the collected river samples, Total Table 3+ (17 compounds) concentrations ranged from 7.2 ng/L (upstream sample at CFR MILE 76 on July 26, 2023) to 34 ng/L (downstream sample at CFR TARHEEL on July 27, 2023).

For the creeks, the Total Table 3+ (17 compounds) concentrations were 2,600 ng/L and 1,300 ng/L at Willis Creek and Georgia Branch, respectively. These concentrations are within the range of concentrations observed during previous events (Geosyntec: 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023b; 2023c).

Among the Seeps and Outfall 003 Stream, Seep C effluent had the lowest Total Table 3+ (17 compounds) concentrations (720 ng/L), while Seep A effluent had the highest Total Table 3+ (17 compounds) concentration (10,000 ng/L) where the flow was low at 0.06 cfs. The analytical results

¹ As reported in the *Matrix Interference During Analysis of Table 3+ Compounds* memorandum (Geosyntec, 2020b), 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. Total Table 3+ PFAS concentrations are calculated and presented two ways in this report: (i) summing over 17 of the 21 Table 3+ compounds “Total Table 3+ (17 compounds)”, i.e., excluding results of R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA; and (ii) summing over 21 of the Table 3+ compounds “Total Table 3+ (21 compounds)”

for the Seeps influent are not included in this report but are provided in *CFR Long-Term Remedy Performance Monitoring Report #3* (Geosyntec 2023a).

Figure A3 shows the HFPO-DA concentrations in the four near-site/downstream river sampling locations. HFPO-DA concentrations were well below 10 ng/L ranging from non-detect below the associated reporting limits (near site CFR MILE 76 on July 26, 2023) to 6.0 ng/L (CFR-BLADEN)

Groundwater PFAS Analytical Results

For the groundwater samples, the following observations were noted for the QA/QC samples:

- Six equipment blank samples were collected during the sampling event. No PFAS were detected above the associated reporting limits in any of the equipment blank samples.
- No field duplicates were collected at Mass Loading Model groundwater locations. Individual PFAS and Total PFAS concentrations for the groundwater samples collected in Q3 2023 are summarized in Tables A6 (Table 3+), Attachment Table ATT1-12 (Mod 537), and Figure A4. Total Table 3+ (17 compounds) concentrations ranged from non-detect below the associated reporting limits (PW-09) to 230,000 ng/L (LTW-03). 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 A4).

On an aquifer basis, lower individual and Total Table 3+ (17 compounds) concentrations are observed in wells screened in the Surficial Aquifer. The results from the Q3 2023 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec: 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023b; 2023c).

Groundwater Elevations

Groundwater elevations were calculated for onsite and offsite wells screened in the Perched Zone, Surficial Aquifer, and Black Creek Aquifer from the synoptic water level measurement survey performed in July 2023 (Table A4). Groundwater elevations from these synoptic water levels are presented on the Perched Zone, Surficial Aquifer, and Black Creek Aquifer maps (Figures A5-1, A5-2, and A5-3, respectively).

MASS LOADING MODEL ASSESSMENT

The Total PFAS mass discharge per pathway to the Cape Fear River is summarized in Table A7. These mass discharge values from the mass loading model assessment are considered as a ‘snapshot’ in time. Analyte-specific mass discharges estimated from the Mass Loading Model are provided in Attachment ATT1.

Model-Estimated PFAS Mass Discharge

The model-estimated Total Table 3+ (17 compounds) mass discharge from the potential transport pathways during Q3 2023 is 0.90 mg/s (Attachment Table ATT1-13) and represents the mass discharge estimated downgradient of the remedies (i.e., after the water passes through the remedies, “after remedies”). This quarter’s modeled mass discharge value of 0.90 mg/s is similar to the previous quarter (Q2 2023) of 0.66 mg/s (Geosyntec, 2023d) and less than the after remedies mass discharge estimates from mass loading model events prior to the operation of the groundwater extraction system (after remedies: 2.3 to 24 mg/s) (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d; 2023b; 2023c).

Comparison of Before Remedies and Current PFAS Mass Discharge

This section compares Q3 2023 mass discharge values downgradient of the remedies (i.e., after the water passes through the remedies, “after remedies”) to mass discharge values from past quarters upgradient of the remedies (i.e., before the water passes through the remedies, “before remedies”, or where no remedies were implemented). The in-text table and figure below summarize the historical before remedies Total Table 3+ (17 compounds) mass discharge from Q3 2020 to Q4 2022 and the after remedies mass discharge for this quarter, Q3 2023. The pathways with remedies (Seeps, Outfall 003 Stream, Outfall 002, and onsite groundwater) have substantially lower mass discharges, i.e., lower contributions to total mass discharge to the river, than the historical before remedies mass discharges. The remaining pathways have mass discharges that are within the range of previous values.

The in-text table and figure indicate three major findings:

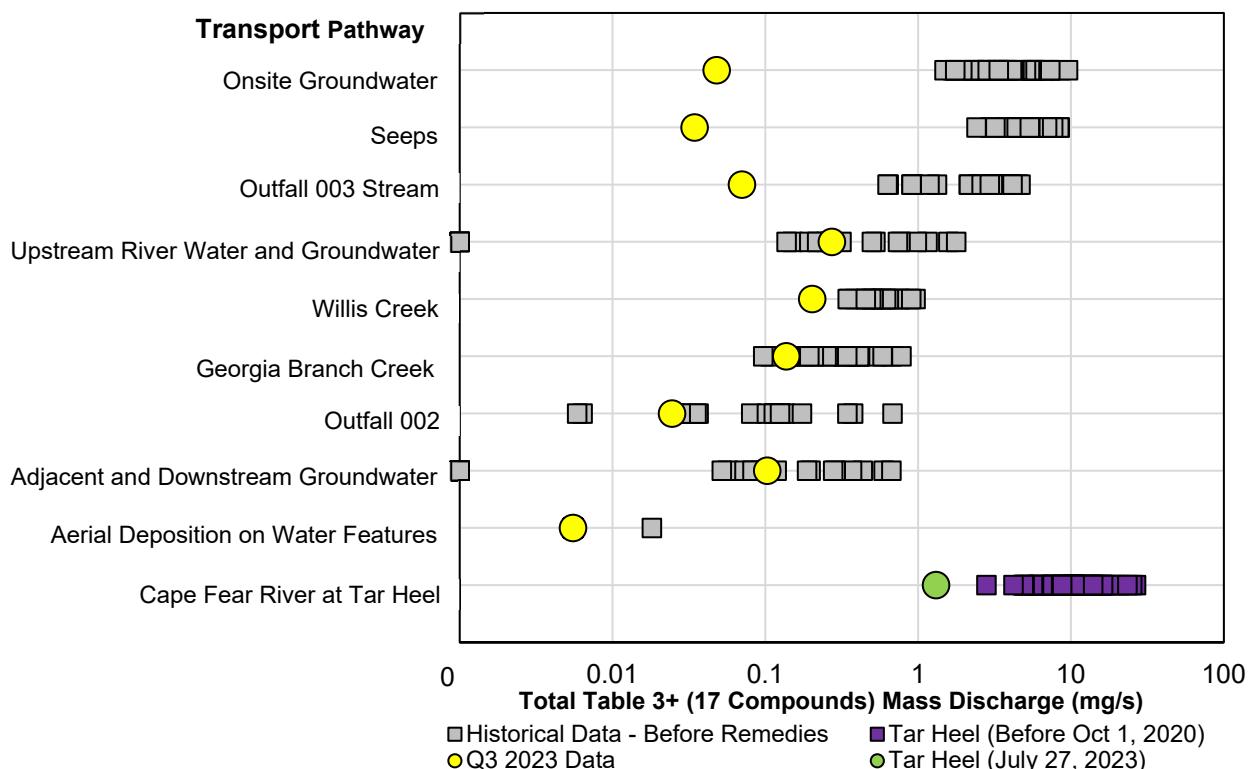
1. The Q3 2023 mass discharges to the Cape Fear River are either equivalent to historical levels or significantly lower.
2. The remediated pathways (Seeps, Outfall 003 Stream and Onsite Groundwater) all show a significant mass discharge decreases in Q3 2023 compared to historical, pre-remediation ranges.
3. The total mass discharge to the Cape Fear River from the Site is much lower in Q3 2023 compared to before remedies mass discharges.

Appendix A: Cape Fear River PFAS Mass Loading Model

Model Transport Pathway	Before Remedies Total Table 3+ (17 Compounds) Mass Discharge (mg/s)¹			Q3 2023 Total Table 3+ (17 Compounds) Mass Discharge (mg/s)
	Min	Median	Max	
Aerial Deposition	0.01	0.01	0.02	0.01
Upstream River and Groundwater	0	0.27	4.5	0.27
Willis Creek	0.31	0.57	0.96	0.2
Seeps	3.0	5.4	8.4	0.035
Onsite Groundwater	1.5	3.6	9.6	0.05
Outfall 002	0.006	0.10	0.68	0.025
Georgia Branch Creek	0.10	0.32	0.78	0.14
Outfall 003 Stream	0.63	2.5	4.7	0.07
Offsite Groundwater	0	0.10	1.7	0.1
Total²	6.7	14	24	0.90

1 – Before remedies mass discharge values taken from mass loading model assessments conducted between April 2020 to November 2022, which pre-date the installation of the groundwater extraction and barrier wall remedy which significantly altered the hydrologic conditions at site.

2 – Total values for before remedies mass discharge come from individual mass loading model assessments and therefore do not equal the sum of the values above.



Variability in Input Parameters

The mass loading model assessments provide PFAS mass discharge estimates for a ‘snapshot’ in time. While controlling for temporal variability, the model-based mass discharge estimates contain some level of uncertainty due to the inherent variability, and measurement error in the input parameters (e.g., flow and concentrations).

SUMMARY

The objective of the mass loading model assessments is to provide PFAS mass discharge estimates for a ‘snapshot’ in time. In July 2023, 39 water samples collected from the PFAS transport pathways (seeps, creeks, Outfall 003 Stream, Outfall 002, groundwater) were used to estimate the mass discharge to the Cape Fear River. The model-estimated Total Table 3+ (17 compounds) mass discharge from the potential transport pathways during Q3 2023 is 0.90 mg/s. The implementation of remedies (Outfall 003 treatment system, Seeps FTCs, and the groundwater extraction and barrier wall remedy) show a significant mass discharge decreases in Q3 2023 compared to historical, pre-remediation ranges. The pathways with remedies have substantially lower mass discharges than the before remedies mass discharges, and the remaining pathways have mass discharges that are within the range of previous values. Additional sampling events from future reporting quarters are required to continue evaluating mass discharge across the model transport pathways.

Quarterly sample collection and evaluation will continue through Q4 2026. The data will continue to be incorporated into the mass loading model to estimate mass discharge to the Cape Fear River, and sensitivity assessments on the model will continue to be evaluated annually.

References

- Geosyntec. 2019. On and Offsite Assessment. Chemours Fayetteville Works. September 30, 2019.
- Geosyntec, 2020a. Cape Fear River Mass Loading Calculation Protocol Version 2, Chemours Fayetteville Works. November 18, 2020.
- Geosyntec. 2020b. Matrix Interference During Analysis of Table 3+ Compounds. Chemours Fayetteville Works. June 30, 2020.
- Geosyntec. 2020c. Cape Fear River Table 3+ PFAS Mass Loading Assessment – First Quarter 2020 Report, Chemours Fayetteville Works. July 31, 2020.
- Geosyntec. 2020d. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2020 Report, Chemours Fayetteville Works. September 30, 2020.
- Geosyntec. 2020e. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2020 Report, Chemours Fayetteville Works. December 23, 2020.
- Geosyntec, 2021a. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2020 Report, Chemours Fayetteville Works. March 31, 2021.
- Geosyntec, 2021b. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2021 Report, Chemours Fayetteville Works. June 30, 2021.
- Geosyntec 2021c. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2021 Report, Chemours Fayetteville Works. September 30, 2021.

Appendix A: Cape Fear River PFAS Mass Loading Model

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

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

Geosyntec 2022b. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2022 Report, Chemours Fayetteville Works. June 30, 2022.

Geosyntec 2022c. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2022 Report, Chemours Fayetteville Works. September 30, 2022.

Geosyntec 2022d. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2022 Report, Chemours Fayetteville Works. December 28, 2022.

Geosyntec. 2023a. CFR Long-Term Remedy Performance Monitoring Report #3. Chemours Fayetteville Works. December 29, 2023.

Geosyntec 2023b. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2022 Report, Chemours Fayetteville Works. March 31, 2023.

Geosyntec 2023c. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2023 Report, Chemours Fayetteville Works. June 29, 2023.

Geosyntec 2023d. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2023 Report, Chemours Fayetteville Works. September 29, 2023.

List of Attachments:

ATT1: Supplemental Tables to the Mass Loading Model

ATT2: Supporting Calculations – Direct Aerial Deposition on Cape Fear River

ATT3: Supporting Calculations – Onsite Groundwater Pathway

TABLE A1
PFAS MASS LOADING MODEL POTENTIAL PATHWAYS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants NC, P.C.

Transport Pathway Number	Potential PFAS Transport Pathway	Analytical Data Source for Mass Loading Model ¹	Flow Data Source for Mass Loading Model ¹
1	Upstream River and Groundwater	Measured from Cape Fear River Mile 76 samples collected in July 2023 as reported in Table A5.	Measured flow rates from USGS gauging station at W.O. Huske Dam during July 2023 volumetrically adjusted for flow pathways between River Mile 76 and W.O. Huske Dam. ²
2	Willis Creek	Measured from Willis Creek samples collected in July 2023 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during July 2023 as reported in Attachment ATT1.
3	Aerial Deposition on River	Estimated from air deposition modeling ³ .	Estimated from air deposition modeling ³ .
4	Outfall 002	Measured from Outfall 002 samples collected in July 2023 as reported in Table A5.	Measured daily Outfall 002 flow rates recorded in Facility discharge monitoring reports, summarized in Attachment ATT1.
5	Onsite Groundwater	Measured from monitoring well samples collected in July 2023 as reported in Table A6.	Estimated as the sum of the mass flux from the Black Creek Aquifer calculated from a transect along the Cape Fear River. Further details and supporting calculations provided in Attachment ATT2.
6	Seeps	Measured from Seeps A, B, C, and D samples, Lock and Dam Seep and Lock and Dam North samples collected in July 2023 as reported in Table A5.	Measured flow rates through bucket and time for Lock and Dam Seep, and Lock and Dam North during July 2023 as reported in Appendix C. Flow-Through Cell flow data for Seeps A, B, C and D were used as the flumes were decommissioned following Q2 2022 CAP sampling event.
7	Outfall 003 Stream	Measured from Outfall 003 Stream samples collected in July 2023 as reported in Table A5.	The Marsh-McBirney method was not used this quarter due to miscoordination with the field sampling. For this quarter, measured daily flow from the Outfall 003 treatment plant was used to estimate the Outfall 003 stream flow as reported in Attachment ATT1.
8	Adjacent and Downstream Groundwater	Estimated using a scaling factor applied to upstream mass discharge. Refer to <i>Cape Fear River PFAS Mass Loading Calculation Protocol Version 2</i> (Geosyntec, 2020a) for details.	Estimated using a scaling factor applied to upstream mass discharge. Refer to <i>Cape Fear River PFAS Mass Loading Calculation Protocol Version 2</i> (Geosyntec, 2020a) for details.
9	Georgia Branch Creek	Measured from Georgia Branch Creek samples collected in July 2023 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during July 2023 as reported in Attachment ATT1.

Notes:

1 - Flow and concentration data are multiplied together to estimate the PFAS mass discharge in the Cape Fear River originating from each pathway.

2 - Cape Fear River flow rates measured at USGS gauging station #02105500 located at William O Huske Lock & Dam accessed from <https://waterdata.usgs.gov>.

3 - ERM, 2018. Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

TABLE A2
SURFACE WATER SAMPLE SUMMARY, FIELD PARAMETERS, AND FLOW MEASUREMENTS - Q3 2023
Chemours Fayetteville Works, North Carolina

Pathway / Location	Location ID	Location Description	Sample ID	QA/QC	Sample Collection and Field Parameters									Flow Measurement Method ¹	
					Sample Date and Time	Sample Collection Method	Hours Composited ²	pH (S.U.)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)	Flow Measurement Method	Instantaneous Flow Rate (ft³/s) ³
Upstream River Water and Groundwater	CFR-RM-76	Cape Fear River Mile 76	CAP3Q23-CFR-RM-76-072623	--	7/26/2023 09:25	Grab	0	7.04	5.56	109.1	12.5	711.54	29.97	USGS Data ⁶	1,360
Willis Creek	WC-1	Mouth of Willis Creek	CAP3Q23-WC-1-24-072723	--	7/27/2023 06:34	Composite	24	6.85	7.17	50.5	16.6	310.23	24.22	Marsh-McBirney Flow	2.8
Intake River Water at Facility	INTAKE AT FACILITY	Water Drawn Through the Intake Sampled at the Power Area at the Site	RIVER-WATER-INTAKE2-072623	--	7/26/2023 12:14	Grab	0	6.82	8.47	141.4	144	323.3	34.48	Facility DMRs	20
			CAP3Q23-RIVER WATER INTAKE2-24-072723	--	7/27/2023 13:14	Composite	24	6.82	8.47	141.4	144	323.3	34.48	Facility DMRs	20
Outfall 002	OUTFALL-002	Upstream of Outfall 002 in open channel	CAP3Q23-OUTFALL-002-24-072723	--	7/27/2023 06:30	Composite	24	8.33	4.13	154.9	14.6	298.5	28.4	Facility DMRs	20
			OUTFALL-002-24-072723-D	Field Duplicate	7/27/2023 06:30	Composite	24	8.33	4.13	154.9	14.6	298.5	28.4	Facility DMRs	20
Stormwater Treatment System ³	STS Discharge	Monomers/IXM Stormwater Treatment System Effluent	STS Discharge - 072623	--	7/26/2023 15:00	Composite	5.5	6.36	--	--	1.29	60,000	11.4	Facility DMRs	0.09
Seep A	SEEP-A	Effluent Basin of Seep A FTC	CAP3Q23-SEEP-A-24-072723	--	7/27/2023 05:48	Composite	24	7.29	5.1	187.7	12.2	432.3	25.3	FTC ⁷	0.06
Seep B	SEEP-B	Effluent Basin of Seep B FTC	CAP3Q23-SEEP-B-24-072723	--	7/27/2023 06:06	Composite	24	8.15	5.66	170.2	86.2	330.6	25.2	FTC ⁷	0.06
Seep C	SEEP-C	Effluent Basin of Seep C FTC	CAP3Q23SEEP-C-22-072723 ⁴		7/27/2023 04:42	Composite	22	8.33	4.13	154.9	14.6	298.5	28.4	FTC ⁷	0.07
Seep D	SEEP-D	Effluent Basin of Seep D FTC	CAP3Q23SEEP-D-24-072723	--	7/27/2023 08:05	Composite	24	7.35	3.59	164.4	17.4	285.1	24.8	FTC ⁷	0.02
Lock and Dam Seep	LOCK-DAM-SEEP	Southside of the boat ramp at the Lock and Dam Seep	CAP3Q23-LOCK-DAM-SEEP-072623	--	7/26/2023 09:50	Grab	0	7.65	4.89	22.7	17.8	403.41	29.22	Bottle and Stopwatch	0.0018
Lock and Dam North	LOCK-DAM-NORTH	Northside of the boat ramp at the Lock and Dam Seep	CAP3Q23-LOCK-DAM-NORTH-072623	--	7/26/2023 09:40	Grab	0	7.49	5.9	36.1	9.63	194.77	29.64	Bottle and Stopwatch	0.00089
Outfall 003 Stream	OLDOF-1	Mouth of Outfall 003 stream	CAP3Q23-OLDOF-1-24-072723	--	7/27/2023 07:30	Composite	24	7.06	7.28	159	--	245.5	29.2	Facility DMRs	0.46
Georgia Branch Creek	GBC-1	Mouth of Georgia Branch Creek	CAP3Q23-CFR-GBC-1-072623	--	7/26/2023 12:40	Grab	0	4.91	6.44	82.3	6.25	158.9	28.32	Marsh-McBirney Flow	3.7
Tar Heel Ferry Road Bridge	CFR-TARHEEL	Cape Fear River at Tar Heel Ferry Road Bridge	CAP3Q23-CFR-TARHEEL-072723	--	7/27/2023 10:25	Grab	0	7.24	6.6	117.6	13.4	130.7	30.81	USGS Data ⁸	1,260
			CAP3Q23-CFR-TARHEEL-6-072723 ⁵		7/27/2023 13:46	Composite	6	7.25	6.25	106	15.2	150.77	27.28	USGS Data ⁸	1,360
Bladen Bluffs	CFR-BLADEN	Cape Fear River at Bladen Bluffs	CAP3Q23-CFR-BLADEN-072623	--	7/26/2023 17:00	Grab	0	7.48	6.29	162.9	10.7	134.4	32.71	USGS Data ⁹	1,360
Kings Bluffs	CFR-KINGS	Cape Fear River at Kings Bluff Raw Water	CAP3Q23-CFR-KINGS-080123	--	8/1/2023 13:50	Grab	0	7.62	1.11	94.5	18	469.02	33.88	USGS Data ¹⁰	1,050

Notes:

1 - Flow measurement methods are described in Table A1. Supplemented flow measurement data are included in Attachment ATT1.

2 - Samples with a compositing duration of zero (0) hours are grab samples.

3 - The Stormwater Treatment System (SWTS) samples are collected over the typical daily operation period. During the July 2023 sampling event, a 5.5-hour composite sample was taken.

4 - At Seep C, 22 of 24 composite samples were collected. No liquid detected for samples 23 and 24.

5 - A calibration malfunction occurred during the composite sampling of CFR Tar Heel. The set sampling amount was too high, and too much liquid was pulled. As a result, no Liquid was detected for samples 7-24.

6 - 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.

7 - FTCs were used as the flumes installed at the Seeps A, B, C, and D were decommissioned following Q2 2022 sampling event.

8 - 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.

9 - 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.

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

-- not measured/not sampled

DMRs - Discharge Monitoring Reports

FTC - Flow-through cell

USGS - United States Geological Survey

°C - degrees Celsius

mg/L - milligrams per liter

µS/cm - microsiemens per centimeter

mV- millivolts

NTU - Nephelometric Turbidity Units

ORP - oxidation reduction potential

S.U. - Standard Units

TABLE A3
GROUNDWATER ELEVATIONS - Q3 2023
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (ft, NAVD 88) ⁴	Depth to Water (ft from TOC)	Water Level (ft. NAVD88) ⁴
Onsite	Black Creek Aquifer	BCA-01	07/05/23	399779.96	2050662.48	91-101	146.25	NM	NM
Onsite	Black Creek Aquifer	BCA-02	07/05/23	396242.02	2051062.07	92-102	148.37	NM	NM
Onsite	Black Creek Aquifer	BCA-03R	07/05/23	398582.23	2049522.22	88-98	150.82	55.13	95.69
Onsite	Black Creek Aquifer	BCA-04	07/05/23	395877.67	2047823.03	94-104	150.31	34.19	116.12
Offsite	Black Creek Aquifer	BLADEN-1DR	07/05/23	387522.25	2050247.40	NM	76.96	19.94	56.60
Offsite	Surficial Aquifer	BLADEN-1S	07/05/23	387518.97	2050233.35	5-10	76.74	10.14	66.60
Offsite	Black Creek Aquifer	BLADEN-2D	07/05/23	368827.09	2042878.34	70-75	138.27	19.32	118.95
Offsite	Surficial Aquifer	BLADEN-2S	07/05/23	368821.46	2042882.92	10-20	138.04	5.02	133.02
Offsite	Black Creek Aquifer	BLADEN-3D	07/05/23	396856.98	2059006.56	33.75-43.75	75.52	10.21	65.31
Offsite	Surficial Aquifer	BLADEN-3S	07/05/23	396862.31	2059012.93	5-15	74.27	8.64	65.63
Offsite	Black Creek Aquifer	BLADEN-4D	07/05/23	363255.12	2087636.87	46.75-51.75	59.66	1.70	57.96
Offsite	Surficial Aquifer	BLADEN-4S	07/05/23	363263.19	2087637.46	4.75-14.75	59.68	5.69	53.99
Offsite	Black Creek Aquifer	CUMBERLAND-1D	07/05/23	431459.95	2011071.39	40-50	174.60	5.62	168.98
Offsite	Surficial Aquifer	CUMBERLAND-1S	07/05/23	431459.95	2011071.39	15-25	174.73	5.03	169.70
Offsite	Black Creek Aquifer	CUMBERLAND-2D	07/05/23	449987.54	2074019.14	47-57	129.23	4.01	125.22
Offsite	Surficial Aquifer	CUMBERLAND-2S	07/05/23	449979.10	2074020.86	7-17	129.06	3.36	125.70
Offsite	Black Creek Aquifer	CUMBERLAND-3D	07/05/23	423248.12	2060409.16	22-27	78.79	7.94	70.85
Offsite	Surficial Aquifer	CUMBERLAND-3S	07/05/23	423254.64	2060413.30	9-14	79.06	7.89	71.17
Offsite	Black Creek Aquifer	CUMBERLAND-4D	07/05/23	413095.77	2078249.95	57-67	119.22	14.72	104.50
Offsite	Surficial Aquifer	CUMBERLAND-4S	07/05/23	413086.63	2078255.53	10-20	119.36	7.83	111.53
Offsite	Black Creek Aquifer	CUMBERLAND-5DR	07/05/23	405619.17	2138238.59	NM	106.67	10.64	96.11
Offsite	Surficial Aquifer	CUMBERLAND-5S	07/05/23	405623.27	2138233.37	14-24	106.65	6.24	100.41
Onsite	Black Creek Aquifer	EW-1	NM	399934.65	2051297.51	40-60	91.33	NM	NM
Onsite	Black Creek Aquifer	EW-2	NM	396164.48	2052232.61	40-65	77.25	NM	NM
Onsite	Black Creek Aquifer	EW-3	NM	395059.78	2052214.66	37-67	76.48	NM	NM
Onsite	Black Creek Aquifer	EW-4	NM	398581.51	2051805.58	53-73	80.64	NM	NM
Onsite	Black Creek Aquifer	EW-5	NM	397200.16	2052052.65	37-67	78.50	NM	NM
Onsite	Perched Zone	FTA-01	07/05/23	397906.09	2049370.01	12.0-22.0	149.60	16.20	133.40
Onsite	Perched Zone	FTA-02	07/05/23	397784.99	2049203.29	11.5-22.0	149.30	17.59	131.71
Onsite	Perched Zone	FTA-03	07/05/23	397766.23	2049310.46	12.0-22.0	150.10	17.66	132.44
Onsite	Surficial Aquifer	INSITU-01	07/05/23	401657.39	2046078.99	7.0-17.0	89.12	6.99	82.13
Onsite	Surficial Aquifer	INSITU-02	07/05/23	401863.46	2049136.62	7.0-17.0	113.12	NM	NM
Onsite	Floodplain Deposits	LTW-01	07/05/23	399565.01	2052150.62	11.0-26.0	52.71	17.54	35.17
Onsite	Black Creek Aquifer	LTW-02	07/05/23	398847.57	2052355.48	28.0-38.0	51.39	NM	NM
Onsite	Floodplain Deposits	LTW-03	07/05/23	398114.45	2052558.35	15.0-30.0	51.75	15.37	36.38
Onsite	Floodplain Deposits	LTW-04	07/05/23	397279.61	2052584.95	12.0-27.0	50.66	12.41	38.25
Onsite	Black Creek Aquifer	LTW-05	07/05/23	396430.31	2052740.40	29.0-44.0	50.94	13.00	37.94
Onsite	Perched Zone	MW-11	07/05/23	396544.40	2049051.06	11.5-21.5	148.53	NM	NM
Onsite	Perched Zone	MW-12S	07/05/23	397262.90	2049269.37	17.5-22.5	151.08	20.37	130.71
Onsite	Surficial Aquifer	MW-13D	07/05/23	397119.02	2049821.12	57-67	148.65	49.02	99.63
Onsite	Surficial Aquifer	MW-14D	07/05/23	396974.49	2049074.56	62-72	149.73	45.56	104.17
Onsite	Surficial Aquifer	MW-15DRR	07/05/23	398580.71	2049511.75	52.5-62.5	150.92	53.28	97.64
Onsite	Surficial Aquifer	MW-16D	07/05/23	398493.70	2048402.84	72-82	148.41	41.51	106.90
Onsite	Surficial Aquifer	MW-17D	07/05/23	398401.74	2047366.50	57-67	146.12	35.15	110.97
Onsite	Surficial Aquifer	MW-18D	07/05/23	400947.30	2046574.35	50-60	108.10	23.76	84.34
Onsite	Surficial Aquifer	MW-19D	07/05/23	401151.43	2048272.93	46-56	139.36	55.72	83.64
Onsite	Perched Zone	MW-1S	07/05/23	397080.69	2049117.99	21.0-24.0	148.88	19.14	129.74
Onsite	Surficial Aquifer	MW-20D	07/05/23	400791.01	2048733.71	65-75	137.20	52.58	84.62
Onsite	Surficial Aquifer	MW-21D	07/05/23	399501.88	2047074.92	72-82	151.42	50.34	101.08
Onsite	Surficial Aquifer	MW-22D	07/05/23	398518.40	2048362.48	52-72	149.09	41.41	107.68
Onsite	Perched Zone	MW-23	07/05/23	396237.61	2051063.25	9.5-14.5	148.34	14.44	133.90
Onsite	Perched Zone	MW-24	07/05/23	397303.94	2048767.69	18.8-23.8	150.31	21.47	128.84
Onsite	Perched Zone	MW-25	07/05/23	396753.37	2050989.82	12-17	147.59	13.97	133.62
Onsite	Perched Zone	MW-26	07/06/23	396265.18	2051484.67	5-10	147.70	12.74	134.96
Onsite	Perched Zone	MW-27	07/06/23	396010.33	2051472.00	10-15	146.83	14.49	132.34
Onsite	Perched Zone	MW-28	07/06/23	395719.79	2051165.93	9-14	144.70	14.23	130.47
Onsite	Perched Zone	MW-30	07/05/23	397340.79	2050776.09	10-15	147.67	13.87	133.80
Onsite	Perched Zone	MW-31	07/05/23	396390.70	2049622.88	17-22	147.70	NM	NM
Onsite	Perched Zone	MW-32	07/05/23	396359.58	2049651.79	13-18.5	147.11	NM	NM
Onsite	Perched Zone	MW-33	07/05/23	396337.51	2049678.56	12-17	146.82	NM	NM
Onsite	Perched Zone	MW-34	07/05/23	396352.90	2049619.09	17-22	147.97	NM	NM
Onsite	Perched Zone	MW-35	07/05/23	396332.94	2049631.16	14-19	147.54	NM	NM
Onsite	Perched Zone	MW-36	07/05/23	396320.09	2049651.17	12-17	147.89	NM	NM
Onsite	Perched Zone	MW-7S	07/05/23	397444.52	2049809.73	NM	147.47	10.89	136.58
Onsite	Perched Zone	MW-8S	07/05/23	397096.48	2049867.77	NM	146.48	NM	NM
Onsite	Perched Zone	MW-9S	07/05/23	396760.16	2049734.30	17.5-22.5	154.39	21.31	133.08
Onsite	Perched Zone	NAF-01	07/05/23	398348.58	2050339.68	5.0-15.0	148.65	9.08	139.57
Onsite	Perched Zone	NAF-02	07/05/23	398660.16	2050634.55	5.0-15.0	149.28	9.80	139.48
Onsite	Perched Zone	NAF-03	07/05/23	398578.63	2050743.04	5.0-15.0	149.41	9.85	139.56
Onsite	Perched Zone	NAF-04	07/05/23	398445.89	2050713.13	5.0-15.0	146.77	6.98	139.79
Onsite	Perched Zone	NAF-06	07/05/23	398808.81	2050913.93	2.75-12.75	145.43	11.44	133.99
Onsite	Perched Zone	NAF-07	07/05/23	398898.69	2050618.12	5.5-15.5	149.03	9.06	139.97
Onsite	Perched Zone	NAF-08A	07/05/23	398098.22	2050886.93	5.0-15.0	147.74	8.24	139.50
Onsite	Surficial Aquifer	NAF-08B	07/05/23	398095.97	2050880.18	43.5-53.5	147.83	55.74	92.09
Onsite	Perched Zone	NAF-09	07/05/23	397708.78	2050807.44	7.0-17.0	148.62	11.98	136.64
Onsite	Perched Zone	NAF-10	07/05/23	397611.81	2050425.20	8.25-18.25	149.25	12.15	137.10
Onsite	Perched Zone	NAF-11A	07/05/23	398907.08	2050999.77	2.5-7.5	139.74	6.47	133.27
Onsite	Surficial Aquifer	NAF-11B	07/05/23	398911.13	2050995.88	33.5-43.5	140.74	DRY	DRY
Onsite	Perched Zone	NAF-12	07/05/23	398270.56	2050777.49	18-23	145.79	6.02	139.77
Onsite	Black Creek Aquifer	OW-1	07/05/23	399930.53	2051287.87	40-50	95.01	37.60	57.41
Onsite	Black Creek Aquifer	OW-10	07/05/23	399948.17	2051291.21	40-50	94.39	36.98	57.41
Onsite	Black Creek Aquifer	OW-11	07/05/23	401683.39	2049913.61	74-84	94.92	48.91	46.01
Onsite	Black Creek Aquifer	OW-12	07/05/23	401731.33	2050721.09	50-60	83.65	54.41	29.24
Onsite	Black Creek Aquifer	OW-13	07/05/23	400769.33	2051210.62	50-60	85.12	53.61	31.51
Onsite	Black Creek Aquifer	OW-14	07/05/23	400311.42	2051608.03	46-56	80.67	47.90	32.77
Onsite	Black Creek Aquifer	OW-15	07/05/23	399719.91	2051608.62	34-44	87.86	NM	NM
Onsite	Black Creek Aquifer	OW-16	07/05/23	399828.66	2051993.25	15-25	52.94	NM	NM
Onsite	Black Creek Aquifer	OW-17	07/05/23	399433.03	2051661.47	58-68	89.67	56.74	32.93
Onsite	Black Creek Aquifer	OW-18	07/05/23	398846.69	2051836.19	45-55	90.88	44.49	46.39
Onsite	Black Creek Aquifer	OW-19	07/05/23	398067.23	2051976.50	70-80	86.68	59.43	27.25

TABLE A3
GROUNDWATER ELEVATIONS - Q3 2023
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (ft, NAVD 88) ⁴	Depth to Water (ft from TOC)	Water Level (ft. NAVD88) ⁴
Onsite	Black Creek Aquifer	OW-2	07/05/23	398572.28	2051801.62	63-73	84.37	51.70	32.67
Onsite	Black Creek Aquifer	OW-20	07/05/23	398229.85	2052080.86	48-58	69.59	30.79	38.80
Onsite	Black Creek Aquifer	OW-21	07/05/23	397521.83	2051950.75	57-67	80.85	53.39	27.46
Onsite	Black Creek Aquifer	OW-22	07/06/23	397325.34	2052218.74	43-53	66.63	27.70	38.93
Onsite	Black Creek Aquifer	OW-23	07/05/23	396776.73	2052355.66	45-55	67.83	29.18	38.65
Onsite	Black Creek Aquifer	OW-24	07/05/23	396677.42	2052158.17	50-60	78.67	50.97	27.70
Onsite	Black Creek Aquifer	OW-25	07/05/23	396182.38	2052428.46	45-55	70.91	32.63	38.28
Onsite	Black Creek Aquifer	OW-26	07/05/23	395503.74	2052268.81	50-60	80.85	NM	NM
Onsite	Black Creek Aquifer	OW-27	07/05/23	395555.17	2052622.16	33-43	55.60	NM	NM
Onsite	Black Creek Aquifer	OW-28	07/05/23	395570.57	2052838.21	20-30	48.49	NM	NM
Onsite	Black Creek Aquifer	OW-29	07/05/23	395193.45	2052143.81	42-52	85.67	40.61	45.06
Onsite	Black Creek Aquifer	OW-3	07/05/23	398601.08	2051812.32	63-73	84.64	52.44	32.20
Offsite	Black Creek Aquifer	OW-30	07/05/23	394988.72	2052537.53	49-59	70.92	NM	NM
Onsite	Black Creek Aquifer	OW-31	07/06/23	394812.07	2051595.90	85-95	106.10	65.06	41.04
Offsite	Black Creek Aquifer	OW-33	07/05/23	395116.90	2052806.54	19-29	48.59	NM	NM
Onsite	Surficial Aquifer	OW-34	07/05/23	398593.54	2051813.31	23-33	83.76	16.24	67.52
Onsite	Surficial Aquifer	OW-35	07/05/23	398060.78	2051977.75	20-30	87.45	18.79	68.66
Onsite	Surficial Aquifer	OW-36	07/05/23	397257.46	2051997.45	11-21	80.61	19.01	61.60
Onsite	Black Creek Aquifer	OW-38	07/06/23	394885.22	2051883.97	60-70	123.70	62.48	61.22
Onsite	Black Creek Aquifer	OW-4	07/05/23	395049.16	2052210.81	47-57	80.85	NM	NM
Offsite	Black Creek Aquifer	OW-40	07/05/23	394588.05	2052521.39	49-59	72.88	NM	NM
Onsite	Black Creek Aquifer	OW-41	07/05/23	401683.74	2050119.92	82-92	93.66	47.74	45.92
Onsite	Black Creek Aquifer	OW-42	07/05/23	401696.05	2050448.24	58-68	87.37	41.99	45.38
Onsite	Black Creek Aquifer	OW-43	07/05/23	400937.73	2051116.17	40-50	76.94	45.75	31.19
Onsite	Black Creek Aquifer	OW-44	07/05/23	399741.48	2051736.45	34-44	73.18	NM	NM
Onsite	Black Creek Aquifer	OW-45	07/05/23	398836.07	2051955.99	50-60	77.10	37.57	39.53
Onsite	Black Creek Aquifer	OW-46	07/05/23	398164.94	2052050.69	59-69	72.05	33.24	38.81
Onsite	Black Creek Aquifer	OW-47	07/06/23	397243.89	2052136.32	49-59	71.47	32.79	38.68
Onsite	Black Creek Aquifer	OW-48	07/05/23	396698.39	2052275.93	42-52	69.54	31.00	38.54
Onsite	Black Creek Aquifer	OW-49	07/05/23	396180.56	2052348.51	53-63	79.56	41.21	38.35
Onsite	Black Creek Aquifer	OW-5	07/05/23	395070.03	2052196.97	54-64	81.61	NM	NM
Onsite	Black Creek Aquifer	OW-55	07/05/23	401761.92	2050875.02	43-58	75.45	47.34	28.11
Onsite	Black Creek Aquifer	OW-57	07/05/23	401781.20	2050174.65	33-43	68.87	24.72	44.15
Onsite	Black Creek Aquifer	OW-6	07/05/23	396168.41	2052223.54	50-60	80.53	NM	NM
Onsite	Black Creek Aquifer	OW-7	07/05/23	397180.06	2052052.69	57-67	81.45	54.31	27.14
Onsite	Black Creek Aquifer	OW-8	07/05/23	397202.33	2052041.98	57-67	82.30	56.00	26.30
Onsite	Black Creek Aquifer	OW-9	07/05/23	395075.14	2052211.07	54-64	79.78	NM	NM
Onsite	Black Creek Aquifer	PIW-10DR	07/05/23	395093.99	2052297.30	53-58	75.91	NM	NM
Onsite	Surficial Aquifer	PIW-10S	07/05/23	395104.95	2052296.98	7-17	76.32	19.47	56.85
Onsite	Black Creek Aquifer	PIW-11	07/05/23	401911.03	2050416.29	47-57	67.02	21.15	45.87
Onsite	Black Creek Aquifer	PIW-12	07/05/23	401703.10	2051025.77	64-74	83.78	57.31	26.47
Onsite	Black Creek Aquifer	PIW-13	07/05/23	401464.29	2051122.60	54-64	83.18	58.01	25.17
Onsite	Black Creek Aquifer	PIW-14	07/05/23	401163.98	2051186.57	56-66	87.43	58.34	29.09
Onsite	Black Creek Aquifer	PIW-15	07/05/23	400706.51	2051532.80	34-44	67.85	36.36	31.49
Onsite	Black Creek Aquifer	PIW-16D	07/05/23	396257.96	2046587.07	90-100	150.06	25.71	124.35
Onsite	Surficial Aquifer	PIW-16S	07/05/23	396267.84	2046586.09	35-45	149.74	22.70	127.04
Onsite	Black Creek Aquifer	PIW-1D	07/05/23	400548.00	2051801.28	24.5-29.5	52.16	20.06	32.10
Onsite	Floodplain Deposits	PIW-1S	07/05/23	400541.03	2051792.39	7.8-17.8	54.04	21.70	32.34
Onsite	Black Creek Aquifer	PIW-2D	07/05/23	399925.40	2051315.80	40-50	96.19	38.79	57.40
Onsite	Black Creek Aquifer	PIW-3D	07/05/23	399711.25	2052086.94	19-24	53.42	NM	NM
Onsite	Black Creek Aquifer	PIW-4D	07/05/23	398816.52	2052101.94	32.3-37.3	52.85	13.46	39.39
Onsite	Surficial Aquifer	PIW-5SR	07/05/23	398545.10	2051977.53	9.8-19.8	79.02	28.44	53.41
Onsite	Floodplain Deposits	PIW-6S	07/05/23	398117.93	2052539.79	18-28	53.40	17.00	36.40
Onsite	Black Creek Aquifer	PIW-7D	07/05/23	396787.77	2052595.65	29-34	48.93	10.23	38.70
Onsite	Floodplain Deposits	PIW-7S	07/05/23	396786.97	2052589.10	7-17	47.97	9.85	38.12
Onsite	Black Creek Aquifer	PIW-8D	07/05/23	396403.37	2052682.10	35.5-40	48.66	10.71	37.95
Onsite	Black Creek Aquifer	PIW-9D	07/05/23	396155.84	2052250.84	40-45	79.64	NM	NM
Onsite	Surficial Aquifer	PIW-9S	07/05/23	396148.52	2052251.03	24.8-29.8	79.64	NM	NM
Onsite	Perched Zone	PW-01	07/05/23	399064.80	2049654.30	11-21	149.55	15.16	134.39
Onsite	Surficial Aquifer	PW-02	07/05/23	399779.06	2050649.47	50-60	146.43	62.38	84.05
Onsite	Surficial Aquifer	PW-03	07/05/23	397339.81	2050765.32	35-45	147.97	43.62	104.35
Onsite	Surficial Aquifer	PW-04	07/06/23	394659.55	2050940.66	17-27	97.75	29.10	68.65
Onsite	Surficial Aquifer	PW-05	07/05/23	395873.10	2047812.93	65-75	150.34	36.52	113.82
Onsite	Surficial Aquifer	PW-06	07/05/23	392868.00	2045288.77	19-29	147.69	21.06	126.63
Onsite	Surficial Aquifer	PW-07	07/05/23	390847.71	2049258.26	28-38	148.16	41.20	106.96
Onsite	Black Creek Aquifer	PW-09	07/05/23	402000.08	2048979.11	44-54	72.93	25.34	47.59
Onsite	Black Creek Aquifer	PW-10RR	07/05/23	398532.45	2051965.91	57-67	80.47	44.48	38.89
Onsite	Black Creek Aquifer	PW-11	07/05/23	394354.36	2052226.72	53-63	73.26	NM	NM
Onsite	Black Creek Aquifer	PW-12	07/05/23	399500.45	2047063.51	109-119	150.61	62.16	88.45
Onsite	Black Creek Aquifer	PW-13	07/05/23	397584.26	2048029.18	120-130	149.36	38.47	110.89
Onsite	Black Creek Aquifer	PW-14	07/05/23	397325.65	2050766.36	136-146	147.97	NM	NM
Onsite	Black Creek Aquifer	PW-15R	07/05/23	398900.88	2051011.75	110-120	136.14	NM	NM
Onsite	Surficial Aquifer	PZ-1	07/05/23	394928.45	2051910.97	28-38	126.65	NM	NM
Onsite	Perched Zone	PZ-11	07/05/23	398646.25	2049820.94	15-20	151.03	10.78	140.25
Onsite	Perched Zone	PZ-12	07/05/23	390901.19	2048978.89	15.1-20.1	149.89	DRY	DRY
Onsite	Perched Zone	PZ-13	07/05/23	397707.82	2050985.25	7.1-12.1	148.14	11.45	136.69
Onsite	Perched Zone	PZ-14	07/05/23	397589.92	2050618.27	9.0-14.0	148.38	10.88	137.50
Onsite	Perched Zone	PZ-15	07/05/23	396806.39	2050107.50	10.2-15.2	147.76	17.14	130.62
Onsite	Perched Zone	PZ-17	07/05/23	396614.82	2048872.69	21.1-26.1	150.08	NM	NM
Onsite	Perched Zone	PZ-19R	07/05/23	397986.66	2049919.52	16-21	150.05	13.53	136.52
Onsite	Surficial Aquifer	PZ-2	07/05/23	396631.77	2052167.77	15-25	78.05	15.16	62.89
Onsite	Perched Zone	PZ-20R	07/05/23	398185.81	2049784.60	15-20	151.29	14.88	136.41
Onsite	Perched Zone	PZ-21R	07/05/23	398445.16	2049883.13	17-22	150.67	13.35	137.32
Onsite	Black Creek Aquifer	PZ-22	07/05/23	397271.94	2052585.34	42.5-47.5	50.70	12.06	38.64
Onsite	Perched Zone	PZ-24	07/05/23	396117.94	2050744.07	11-16	147.53	14.49	133.04
Onsite	Perched Zone	PZ-25R	07/05/23	395971.54	2050748.23	NM	147.51	NM	NM
Onsite	Perched Zone	PZ-26	07/05/23	396059.78	2050382.35	11-16	147.70	12.93	134.77
Onsite	Perched Zone	PZ-27	07/06/23	395922.11	2050376.76	12-17	147.17	13.81	133.36
Onsite	Perched Zone	PZ-28	07/05/23	396304.55	2049933.79	13-18	148.64	13.12	135.52
Onsite	Perched Zone	PZ-29	07/05/23	396377.59	2049771.59	12-18	147.74	NM	NM

TABLE A3
GROUNDWATER ELEVATIONS - Q3 2023
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Area ¹	Water Bearing Unit ²	Well ID	Gauging Date	Northing (ft, SPCS NAD83) ³	Easting (ft, SPCS NAD83) ³	Screened Interval (ft)	TOC Elevation (ft, NAVD 88) ⁴	Depth to Water (ft from TOC)	Water Level (ft. NAVD88) ⁴
Onsite	Perched Zone	PZ-31	07/05/23	396428.73	2049594.36	14-19	148.00	NM	NM
Onsite	Perched Zone	PZ-32	07/05/23	396418.47	2049713.79	13-18	148.47	NM	NM
Onsite	Perched Zone	PZ-33	07/05/23	396308.92	2049707.66	12.5-17.5	146.72	NM	NM
Onsite	Perched Zone	PZ-34	07/05/23	396292.05	2049595.04	13.5-18.5	147.70	NM	NM
Onsite	Perched Zone	PZ-35	07/05/23	398232.64	2050020.49	13-18	150.43	13.10	137.33
Onsite	Perched Zone	PZ-36	07/05/23	396086.17	2051331.44	5-8.5	135.20	NM	NM
Onsite	Perched Zone	PZ-37	07/05/23	396042.40	2051050.05	5-8	135.56	NM	NM
Onsite	Perched Zone	PZ-38	07/05/23	395970.01	2050569.66	5-9	137.34	NM	NM
Onsite	Perched Zone	PZ-39	07/05/23	395921.87	2050238.18	5-10	137.93	NM	NM
Onsite	Perched Zone	PZ-40	07/05/23	395943.02	2050031.90	5-9	138.51	NM	NM
Onsite	Perched Zone	PZ-41	07/05/23	395979.29	2050048.97	5-8.5	138.13	NM	NM
Onsite	Perched Zone	PZ-42	07/05/23	395961.73	2050230.23	3-7	138.17	NM	NM
Onsite	Perched Zone	PZ-43	07/05/23	396011.61	2050567.89	5-9	137.06	NM	NM
Onsite	Perched Zone	PZ-44	07/05/23	396082.75	2051045.25	5-7	136.26	NM	NM
Onsite	Perched Zone	PZ-45	07/05/23	396124.41	2051323.03	2-4	135.69	NM	NM
Onsite	Surficial Aquifer	PZ-L	07/05/23	396745.80	2048684.01	13-28	147.86	DRY	DRY
Offsite	Black Creek Aquifer	ROBESON-1D	07/05/23	381416.28	2020158.93	42.75-52.75	156.36	15.83	140.53
Offsite	Surficial Aquifer	ROBESON-1S	07/05/23	381408.19	2020156.86	17-27	156.66	13.66	143.00
Onsite	Surficial Aquifer	SMW-01	07/05/23	395297.97	2043688.29	5.0-15.0	150.58	13.84	136.74
Onsite	Perched Zone	SMW-02	07/05/23	399982.23	2050655.91	5.0-20.0	144.59	DRY	DRY
Onsite	Surficial Aquifer	SMW-02B	07/05/23	399983.75	2050654.77	43.0-53.0	147.93	56.02	91.91
Onsite	Perched Zone	SMW-03	07/05/23	399779.32	2049445.32	10.0-20.0	151.09	NM	NM
Onsite	Black Creek Aquifer	SMW-03B	07/05/23	399785.75	2049421.54	72-82	150.43	63.98	86.45
Onsite	Perched Zone	SMW-04A	07/05/23	399668.71	2048387.57	19.5-34.5	148.09	DRY	DRY
Onsite	Surficial Aquifer	SMW-04B	07/05/23	399666.21	2048392.37	43.0-53.0	147.65	51.28	96.37
Onsite	Perched Zone	SMW-05	07/05/23	399334.07	2048557.33	10.0-20.0	148.10	NM	NM
Onsite	Surficial Aquifer	SMW-05PR	07/05/23	399391.46	2049235.07	45.0-60.0	149.66	49.83	99.83
Onsite	Perched Zone	SMW-06	07/05/23	399172.35	2048759.48	12.0-22.0	150.97	NM	NM
Onsite	Surficial Aquifer	SMW-06B	07/05/23	399144.74	2048764.94	58-68	150.32	53.14	97.18
Onsite	Perched Zone	SMW-07	07/05/23	398931.13	2048611.74	13.0-23.0	146.79	19.08	127.71
Onsite	Perched Zone	SMW-08	07/05/23	399064.97	2048468.78	21.0-31.0	151.02	NM	NM
Onsite	Surficial Aquifer	SMW-08B	07/05/23	399058.33	2048478.84	58-68	148.81	46.45	102.36
Onsite	Surficial Aquifer	SMW-09	07/05/23	401076.89	2050017.41	52-62	141.43	61.61	79.82
Onsite	Black Creek Aquifer	SMW-10	07/05/23	402307.31	2047923.84	39-49	76.26	29.60	46.66
Onsite	Surficial Aquifer	SMW-11	07/05/23	401996.15	2048975.38	13-23	71.95	15.52	56.43
Onsite	Black Creek Aquifer	SMW-12	07/05/23	401314.20	2051007.22	88-98	118.22	90.17	28.05

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.

DRY - Well was dry at time of monitoring event.

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 A4
GROUNDWATER SAMPLE SUMMARY, FIELD PARAMETERS, AND FLOW MEASUREMENTS - Q3 2023
Chemours Fayetteville Works, North Carolina

Area	Location ID	Water Bearing Unit ¹	Adjacent Surface Water Feature	Synoptic Water Level Date	Sample ID	QA/QC	Sample Collection and Field Parameters						
							Sample Date and Time	pH (S.U.)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
Offsite	BLADEN-1DR	Black Creek Aquifer	Georgia Branch Creek	7/5/2023	CAP3Q23-BLADEN-1DR071223		7/12/2023 16:45	5.97	0.25	-56.40	7.71	72.47	27.92
Onsite	LTW-01	Floodplain Deposits	Cape Fear River	7/5/2023	CAP3Q23-LTW-01-071323		7/13/2023 12:30	3.92	0.27	364.00	2.77	96.58	21.19
Onsite	LTW-02	Black Creek Aquifer	Cape Fear River		CAP3Q23-LTW-02-071223		7/12/2023 15:40	5.32	4.06	180.80	1.24	25.00	26.63
Onsite	LTW-03	Floodplain Deposits	Cape Fear River	7/5/2023	CAP3Q23-LTW-03-071223		7/12/2023 12:20	4.54	0.06	206.60	6.04	101.37	23.08
Onsite	LTW-04	Floodplain Deposits	Cape Fear River	7/5/2023	CAP3Q23-LTW-04-071123		7/11/2023 14:00	4.83	0.12	233.80	15.30	60.68	22.84
Onsite	LTW-05	Black Creek Aquifer	Cape Fear River	7/5/2023	CAP3Q23-LTW-05-071123		7/11/2023 16:20	4.02	0.10	262.70	18.90	112.30	21.70
Onsite	OW-28	Black Creek Aquifer	Cape Fear River		CAP3Q23-OW-28-071123		7/11/2023 14:05	4.52	0.03	-55.10	0.38	52.19	21.00
Onsite	OW-33	Black Creek Aquifer	Cape Fear River		CAP3Q23-OW-33-071223		7/12/2023 10:10	4.33	0.86	80.50	9.18	40.72	23.30
Onsite	PIW-1D	Black Creek Aquifer	Cape Fear River / Willis Creek	7/5/2023	CAP3Q23-PIW-1D-080223		8/2/2023 14:50	3.46	0.12	370.50	9.08	176.89	21.76
Onsite	PIW-1S ²	Floodplain Deposits	Cape Fear River / Willis Creek	7/5/2023	--	--	--	--	--	--	--	--	--
Onsite	PIW-3D	Black Creek Aquifer	Cape Fear River		CAP3Q23-PIW-3D-071323		7/13/2023 11:05	4.60	0.09	76.80	3.19	81.39	22.40
Onsite	PIW-7D	Black Creek Aquifer	Cape Fear River	7/5/2023	CAP3Q23-PIW-7D-071123		7/11/2023 10:45	4.23	0.06	128.50	3.92	76.23	20.06
Onsite	PIW-7S	Floodplain Deposits	Cape Fear River	7/5/2023	CAP3Q23-PIW-7S-071123		7/11/2023 12:20	5.83	6.78	67.20	1.87	106.91	23.19
Onsite	PW-04	Surficial Aquifer	Outfall 003	7/6/2023	CAP3Q23-PW-04-072823		7/28/2023 7:15	3.24	3.53	359.20	217.00	536.98	20.70
Onsite	PW-06	Surficial Aquifer	Georgia Branch Creek	7/5/2023	CAP3Q23-PW-06-071023	Field Filtered	7/28/2023 7:15	3.24	3.53	359.20	217.00	536.98	20.70
Onsite	PW-07 ²	Surficial Aquifer	Georgia Branch Creek	7/5/2023	--	--	7/10/2023 16:40	4.21	6.77	275.60	2.72	43.59	20.35
Onsite	PW-09	Black Creek Aquifer	Willis Creek	7/5/2023	CAP3Q23-PW-09-081023		8/10/2023 13:10	6.43	0.22	-55.60	21.00	72.65	19.90
Onsite	PZ-22	Black Creek Aquifer	Cape Fear River	7/5/2023	CAP3Q23-PZ-22-071123		7/11/2023 15:55	4.68	0.06	95.70	1.83	81.51	24.88
Onsite	SMW-10	Black Creek Aquifer	Willis Creek	7/5/2023	CAP3Q23-SMW-10-071723		7/17/2023 12:05	5.19	0.12	49.30	4.70	86.63	23.85
Onsite	SMW-11	Surficial Aquifer	Willis Creek	7/5/2023	CAP3Q23-SMW-11-071723		7/17/2023 15:45	3.54	5.33	311.20	1.80	50.20	21.21
Onsite	SMW-12	Black Creek Aquifer	Willis Creek	7/5/2023	CAP3Q23-SMW-12-071823		7/18/2023 11:00	3.51	0.35	254.60	1.94	281.40	20.50

Notes:

1 - Water Bearing Unit - refers to the primary aquifer unit where the well screen is estimated to be located.

2 - PIW-1S and PW-07 were dry during July 2023 sampling event and could not be sampled.

-- not measured/not sampled

°C - degrees Celsius

mg/L - milligrams per liter

µS/cm - microsiemens per centimeter

mV- millivolts

NTU - Nephelometric Turbidity Units

ORP - oxidation reduction potential

S.U. - Standard Units

"-Z" in Sample ID denotes field filtration

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL
Field Sample ID	CAP3Q23-CFR-BLADEN-072623	CAP3Q23-CFR-KINGS-080123	CAP3Q23-CFR-RM-76-072623	CAP3Q23-CFR-TARHEEL-072723
Sample Date	07/26/2023	08/01/2023	07/26/2023	07/27/2023
QA/QC				
Sample Delivery Group (SDG)	320-103017-1	320-103199-1	320-103017-1	320-103017-1
Lab Sample ID	320-103017-5	320-103199-2	320-103017-1	320-103017-6
Table 3+ SOP (ng/L)				
HFPO-DA	6.0	4.5	<4.0	5.4
PFMOAA	6.5	11	<2.0	6.1
PFO2HxA	7.6	8.4	2.6	7.6
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	9.2	8.9	4.6	9.7
PEPA	<2.0	<2.0	<2.0	<2.0
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	3.1 J	4.0 J	<2.0	3.6 J
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0	<3.0
NVHOS	<3.0	<3.0	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	3.2 J	<2.0	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<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
PFPrA	26	21	17	26
Perfluoroheptanoic Acid	3.7	4.1	3.6	3.4
Total Attachment C^{1,2}	29	33	7.2	29
Total Table 3+ (17 compounds)^{2,3}	29	33	7.2	29
Total Table 3+ (21 compounds)²	58	61	24	58

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	CFR-TARHEEL ⁴	GBC-1	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP3Q23-CFR-TARHEEL-6-072723	CAP3Q23-GBC-1-072623	CAP3Q23-LOCK-DAM-NORTH-072623	CAP3Q23-LOCK-DAM-SEEP-072623
Sample Date	07/27/2023	07/26/2023	07/26/2023	07/26/2023
QA/QC				
Sample Delivery Group (SDG)	320-103199-1	320-103017-1	320-103017-1	320-103017-1
Lab Sample ID	320-103199-1	320-103017-2	320-103017-4	320-103017-3
Table 3+ SOP (ng/L)				
HFPO-DA	5.3	280	2,500	5,200 J
PFMOAA	8.9	37	5,600	47,000 J
PFO2HxA	8.1	280	3,700	23,000
PFO3OA	2.0	38	760	14,000
PFO4DA	<2.0	13	110	2,900
PFO5DA	<2.0	<2.0	16	170
PMPA	9.6	510	3,800	5,900
PEPA	<2.0	140	1,400	2,200
PS Acid	<2.0	<2.0	<2.0	2.1
Hydro-PS Acid	<2.0	33	79	340
R-PSDA	3.1 J	140 J	270 J	800 J
Hydrolyzed PSDA	<2.0	<2.0	3.6 J	700 J
R-PSDCA	<3.0	<3.0	<3.0	15
NVHOS	<3.0	4.7	81	940
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	16	290
R-EVE	<2.0	39 J	140 J	240 J
Perfluoro(2-ethoxyethane)sulfonic Acid	<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
PFPrA	20	330	3,300	13,000
Perfluoroheptanoic Acid	4.0	<2.0	7.2	78
Total Attachment C^{1,2}	34	1,300	18,000	100,000
Total Table 3+ (17 compounds)^{2,3}	34	1,300	18,000	100,000
Total Table 3+ (21 compounds)²	57	1,800	22,000	120,000

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	OLDOF-1	OUTFALL 002	OUTFALL 002	River Water Intake 2
Field Sample ID	CAP3Q23-OLDOF-1-24-072723	CAP3Q23-OUTFALL-002-24-072723	OUTFALL-002-24-072723-D	RIVER-WATER-INTAKE2-072623
Sample Date	07/27/2023	07/27/2023	07/27/2023	07/26/2023
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-103013-1	320-103016-1	320-103016-1	320-103013-1
Lab Sample ID	320-103013-6	320-103016-4	320-103016-5	320-103013-5
Table 3+ SOP (ng/L)				
HFPO-DA	810	28	28	11
PFMOAA	2,500	20	21	18
PFO2HxA	940	19	18	14
PFO3OA	320	5.6	5.7	2.7
PFO4DA	120	9.1	9.9	<2.0
PFO5DA	35	<2.0	<2.0	<2.0
PMPA	470	20	21	23
PEPA	150	5.3	5.1	3.5
PS Acid	2.2	<2.0	<2.0	<2.0
Hydro-PS Acid	21	<2.0	<2.0	<2.0
R-PSDA	79 J	19 J	19 J	9.0 J
Hydrolyzed PSDA	86 J	16 J	17 J	6.3 J
R-PSDCA	<3.0	<3.0	<3.0	<3.0
NVHOS	40	<3.0	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	14	<2.0	<2.0	<2.0
R-EVE	37 J	4.7 J	4.4 J	3.0 J
Perfluoro(2-ethoxyethane)sulfonic Acid	<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
PFPrA	920	460	480	680
Perfluoroheptanoic Acid	3.1	3.9	3.9	3.6
Total Attachment C^{1,2}	5,400	110	110	72
Total Table 3+ (17 compounds)^{2,3}	5,400	110	110	72
Total Table 3+ (21 compounds)²	6,500	610	630	770

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	River Water Intake 2	SEEP-A-EFF	SEEP-B-EFF
Field Sample ID	RIVER-WATER-INTAKE2-24-072823	CAP3Q23-SEEP-A-EFF-24-072723	CAP3Q23-SEEP-B-EFF-24-072723
Sample Date	07/28/2023	07/27/2023	07/27/2023
QA/QC			
Sample Delivery Group (SDG)	320-103199-1	320-103013-2	320-103013-2
Lab Sample ID	320-103199-3	320-103013-1	320-103013-2
Table 3+ SOP (ng/L)			
HFPO-DA	19	150 J	180 J
PFMOAA	32	7,500 J	3,200 J
PFO2HxA	24	1,100 J	570 J
PFO3OA	4.6	26 J	24 J
PFO4DA	<2.0	3.7 J	2.0 J
PFO5DA	<2.0	<2.0 UJ	<2.0 UJ
PMPA	27	1,200 J	870 J
PEPA	6.2	210 J	250 J
PS Acid	<2.0	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0 UJ
R-PSDA	7.7 J	17 J	38 J
Hydrolyzed PSDA	8.2 J	120 J	190 J
R-PSDCA	<3.0	<3.0 UJ	<3.0 UJ
NVHOS	<3.0	16 J	25 J
EVE Acid	<2.0	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	3.4 J
R-EVE	2.4 J	18 J	34 J
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0 UJ
PFPrA	130	2,300 J	1,100 J
Perfluoroheptanoic Acid	3.7	<2.0 UJ	<2.0 UJ
Total Attachment C^{1,2}	110	10,000	5,100
Total Table 3+ (17 compounds)^{2,3}	110	10,000	5,100
Total Table 3+ (21 compounds)²	260	13,000	6,500

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	SEEP-C-EFF	SEEP-D-EFF	WC-1
Field Sample ID	CAP3Q23-SEEP-C-EFF-24-072723	CAP3Q23-SEEP-D-EFF-24-072723	CAP3Q23-WC-1-24-072723
Sample Date	07/27/2023	07/27/2023	07/27/2023
QA/QC			
Sample Delivery Group (SDG)	320-103013-2	320-103013-1	320-103016-1
Lab Sample ID	320-103013-3	320-103013-4	320-103016-1
Table 3+ SOP (ng/L)			
HFPO-DA	55 J	150	360
PFMOAA	430 J	790	970
PFO2HxA	140 J	390	500
PFO3OA	8.8 J	38	87
PFO4DA	<2.0 UJ	2.7	16
PFO5DA	<2.0 UJ	<2.0	<2.0
PMPA	67 J	110	490
PEPA	17 J	40	120
PS Acid	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	12
R-PSDA	3.6 J	17 J	170 J
Hydrolyzed PSDA	4.4 J	33 J	290 J
R-PSDCA	<3.0 UJ	<3.0	<3.0
NVHOS	3.3 J	10	25
EVE Acid	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	7.4
R-EVE	4.9 J	23 J	59 J
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0
PFPrA	200 J	240	500
Perfluoroheptanoic Acid	<2.0 UJ	<2.0	2.4
Total Attachment C^{1,2}	720	1,500	2,600
Total Table 3+ (17 compounds)^{2,3}	720	1,500	2,600
Total Table 3+ (21 compounds)²	930	1,800	3,600

TABLE A5
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	EB	EB
Field Sample ID	CAP3Q23-EQBLK-IS-072723	CAP3Q23-EQBLK-PP-072723
Sample Date	07/27/2023	07/27/2023
QA/QC	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-103017-1	320-103017-1
Lab Sample ID	320-103017-7	320-103017-8
Table 3+ SOP (ng/L)		
HFPO-DA	<4.0	<4.0
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	<2.0	<2.0
PEPA	<2.0	<2.0
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	<3.0	<3.0
NVHOS	<3.0	<3.0
EVE Acid	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0
R-EVE	<2.0	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0
PFECA B	<2.0	<2.0
PFECA-G	<2.0	<2.0
PFPrA	<5.0	<5.0
Perfluoroheptanoic Acid	<2.0	<2.0
Total Attachment C^{1,2}	ND	ND
Total Table 3+ (17 compounds)^{2,3}	ND	ND
Total Table 3+ (21 compounds)²	ND	ND

Notes:

- Bold** - Analyte detected above associated reporting limit
- 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.
- UJ - Analyte not detected. Reporting limit may not be accurate or precise.
- 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, R-EVE, and PFPrA.
- 4 - In the July 2023 sampling event, CFR Tar Heel was composited for only 6 hours due to equipment malfunction.

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits
Location ID	BLADEN-1DR	LTW-01	LTW-02	LTW-03
Field Sample ID	CAP3Q23-BLADEN-1DR-071223	CAP3Q23-LTW-01-071323	CAP3Q23-LTW-02-071223	CAP3Q23-LTW-03-071223
Sample Date	07/12/2023	07/13/2023	07/12/2023	07/12/2023
QA/QC				
Sample Delivery Group (SDG)	320-102527-1	320-102712-1	320-102527-1	320-102527-1
Lab Sample ID	320-102527-9	320-102712-2	320-102527-8	320-102527-5
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	160	8,500	6,800 J	8,600
PFMOAA	39	27,000	31,000	140,000 J
PFO2HxA	110	28,000	22,000	49,000 J
PFO3OA	13	6,400	3,700	7,600
PFO4DA	<2.0	1,600	180	230
PFO5DA	<2.0	200	<2.0	<2.0
PMPA	330	19,000	11,000	16,000
PEPA	110	7,200	3,600	3,600
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	280	17	26
R-PSDA	18 J	940 J	620 J	900 J
Hydrolyzed PSDA	<2.0	760 J	1,300 J	5,900 J
R-PSDCA	<3.0	6.9	<3.0	<3.0
NVHOS	<3.0	320	320	1,900
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	150	39	63
R-EVE	7.2 J	560 J	260 J	150 J
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	6.1
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PPPrA	160	14,000	11,000	37,000
Perfluoroheptanoic Acid	<2.0	44	11	25
Total Attachment C^{2,3}	760	98,000	78,000	230,000
Total Table 3+ (17 compounds)^{3,4}	760	99,000	79,000	230,000
Total Table 3+ (21 compounds)³	950	110,000	92,000	270,000

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Water Bearing Unit ¹	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-04	LTW-05	OW-28	OW-33
Field Sample ID	CAP3Q23-LTW-04-071123	CAP3Q23-LTW-05-071123	CAP3Q23-OW-28-071123	CAP3Q23-OW-33-071223
Sample Date	07/11/2023	07/11/2023	07/11/2023	07/12/2023
QA/QC				
Sample Delivery Group (SDG)	320-102527-1	320-102509-1	320-102509-1	320-102527-1
Lab Sample ID	320-102527-1	320-102509-6	320-102509-5	320-102527-3
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	9,800 J	9,000	4,400	4,000
PFMOAA	57,000 J	120,000 J	1,600	11,000
PFO2HxA	29,000	41,000 J	3,400	6,500
PFO3OA	5,200	9,500	550	1,100
PFO4DA	780	2,000	94	71
PFO5DA	26	<2.0	<2.0	<2.0
PMPA	20,000	4,200	5,200	6,100
PEPA	6,900	440	1,800	2,300
PS Acid	5.0	<2.0	<2.0	7.8
Hydro-PS Acid	190	200	75	43
R-PSDA	1,700 J	500 J	250 J	290 J
Hydrolyzed PSDA	3,000 J	950 J	2.2 J	58 J
R-PSDCA	12	17	<3.0	<3.0
NVHOS	1,400	1,000	31	130
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	540	720	14	14
R-EVE	1,300 J	610 J	380 J	220 J
Perfluoro(2-ethoxyethane)sulfonic Acid	8.2	11	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PFPrA	29,000	52,000 J	3,500	5,400
Perfluoroheptanoic Acid	60	210	6.5	7.1
Total Attachment C^{2,3}	130,000	190,000	17,000	31,000
Total Table 3+ (17 compounds)^{3,4}	130,000	190,000	17,000	31,000
Total Table 3+ (21 compounds)³	170,000	240,000	21,000	37,000

TABLE A6
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	PIW-1S ⁵	PIW-1D	PIW-3D	PIW-7D
Field Sample ID	--	CAP3Q23-PIW-1D-080223	CAP3Q23-PIW-3D-071323	CAP3Q23-PIW-7D-071123
Sample Date	--	08/02/2023	07/13/2023	07/11/2023
QA/QC				
Sample Delivery Group (SDG)	--	320-103526-1	320-102712-1	320-102509-1
Lab Sample ID	--	320-103526-4	320-102712-1	320-102509-3
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	--	9,200 J	9,700	9,600 J
PFMOAA	--	11,000 J	13,000	140,000 J
PFO2HxA	--	9,900 J	16,000	42,000 J
PFO3OA	--	1,600	3,100	6,800
PFO4DA	--	410	890	890
PFO5DA	--	<100	160	<2.0
PMPA	--	9,600 J	12,000	4,300
PEPA	--	3,200	4,500	950
PS Acid	--	<40	<2.0	<2.0
Hydro-PS Acid	--	86	240	110
R-PSDA	--	370 J	610 J	460 J
Hydrolyzed PSDA	--	<27	15 J	890 J
R-PSDCA	--	<140	4.7	7.3
NVHOS	--	150 J	170	1,100
EVE Acid	--	<40	<2.0	<2.0
Hydro-EVE Acid	--	29	74	360
R-EVE	--	280 J	280 J	560 J
Perfluoro(2-ethoxyethane)sulfonic Acid	--	<29	<2.0	8.5
PFECA B	--	<62	<2.0	<2.0
PFECA-G	--	<29	<2.0	<2.0
PFPrA	--	7,800	11,000	49,000 J
Perfluoroheptanoic Acid	--	<25	33	85
Total Attachment C^{2,3}	--	45,000	60,000	200,000
Total Table 3+ (17 compounds)^{3,4}	--	45,000	60,000	210,000
Total Table 3+ (21 compounds)³	--	54,000	72,000	260,000

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Water Bearing Unit ¹	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7S	PW-04	PW-04	PW-06
Field Sample ID	CAP3Q23-PIW-7S-071123	CAP3Q23-PW-04-072823	CAP3Q23-PW-04-072823-Z	CAP3Q23-PW-06-071023
Sample Date	07/11/2023	07/28/2023	07/28/2023	07/10/2023
QA/QC				
Sample Delivery Group (SDG)	320-102509-1	320-103202-1	320-103202-1	320-102399-1
Lab Sample ID	320-102509-2	320-103202-5	320-103202-6	320-102399-11
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	8,000	950	780	1,200
PFMOAA	15,000	380	350	110
PFO2HxA	11,000	1,000	980	820
PFO3OA	2,800	520	390	91
PFO4DA	350	120	96	69
PFO5DA	19	<100	<100	<2.0
PMPA	6,900	1,200	1,200	760
PEPA	2,500	480	420	370
PS Acid	<2.0	<40	<40	<2.0
Hydro-PS Acid	220	<44	<44	21
R-PSDA	710 J	78 J	60 J	200 J
Hydrolyzed PSDA	110 J	<27	<27	<2.0
R-PSDCA	5.4	<140	<140	<3.0
NVHOS	520	<130	<130	6.0
EVE Acid	<2.0	<40	<40	<2.0
Hydro-EVE Acid	360	<24	<24	5.2
R-EVE	820 J	49 J	31 J	59 J
Perfluoro(2-ethoxyethane)sulfonic Acid	3.3	<29	<29	<2.0
PFECA B	<2.0	<62	<62	<2.0
PFECA-G	<2.0	<29	<29	<2.0
PFPrA	9,700	900	890	620
Perfluoroheptanoic Acid	41	<25	<25	5.1
Total Attachment C^{2,3}	47,000	4,700	4,200	3,400
Total Table 3+ (17 compounds)^{3,4}	48,000	4,700	4,200	3,500
Total Table 3+ (21 compounds)³	59,000	5,700	5,200	4,300

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Water Bearing Unit ¹	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-07 ⁵	PW-09	PW-09	PZ-22
Field Sample ID	--	CAP3Q23-PW-09-081023	CAP3Q23-PW-09-081023-Z	CAP3Q-PZ-22-071123
Sample Date	--	08/10/2023	08/10/2023	07/11/2023
QA/QC				
Sample Delivery Group (SDG)	--	320-104266-1	320-104266-1	320-102527-1
Lab Sample ID	--	320-104266-1	320-104266-2	320-102527-2
Table 3+ SOP (ng/L)				
HFPO-DA	--	<4.0 UJ	<4.0 UJ	7,300 J
PFMOAA	--	<2.0 UJ	<2.0 UJ	140,000
PFO2HxA	--	<2.0 UJ	<2.0 UJ	50,000
PFO3OA	--	<2.0 UJ	<2.0 UJ	4,800
PFO4DA	--	<2.0 UJ	<2.0 UJ	240
PFO5DA	--	<2.0 UJ	<2.0 UJ	<2.0
PMPA	--	<2.0 UJ	<2.0 UJ	6,100
PEPA	--	<2.0 UJ	<2.0 UJ	1,600
PS Acid	--	<2.0 UJ	<2.0 UJ	3.1
Hydro-PS Acid	--	<2.0 UJ	<2.0 UJ	35
R-PSDA	--	<2.0 UJ	<2.0 UJ	540 J
Hydrolyzed PSDA	--	<2.0 UJ	<2.0 UJ	1,100 J
R-PSDCA	--	<3.0 UJ	<3.0 UJ	3.2
NVHOS	--	<3.0 UJ	<3.0 UJ	1,500
EVE Acid	--	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	--	<2.0 UJ	<2.0 UJ	79
R-EVE	--	<2.0 UJ	<2.0 UJ	220 J
Perfluoro(2-ethoxyethane)sulfonic Acid	--	<2.0 UJ	<2.0 UJ	6.3
PFECA B	--	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	--	<2.0 UJ	<2.0 UJ	<2.0
PFPrA	--	<5.0 UJ	<5.0 UJ	48,000
Perfluoroheptanoic Acid	--	<2.0 UJ	<2.0 UJ	30
Total Attachment C^{2,3}	--	ND	ND	210,000
Total Table 3+ (17 compounds)^{3,4}	--	ND	ND	210,000
Total Table 3+ (21 compounds)³	--	ND	ND	260,000

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Surficial Aquifer	Black Creek Aquifer	--
Location ID	SMW-10	SMW-11	SMW-12	EB
Field Sample ID	CAP3Q23-SMW-10-071723	CAP3Q23-SMW-11-071723	CAP3Q23-SMW-12-071823	CAP3Q23-EQBLK-BP-071123
Sample Date	07/17/2023	07/17/2023	07/18/2023	07/11/2023
QA/QC				Equipment Blank
Sample Delivery Group (SDG)	320-102716-1	320-102716-1	320-102688-1	320-102509-1
Lab Sample ID	320-102716-9	320-102716-11	320-102688-5	320-102509-10
Table 3+ SOP (ng/L)				
HFPO-DA	5.5	3,900	2,200	<4.0
PFMOAA	140	6,700	5,800	<2.0
PFO2HxA	17	4,900	3,500	<2.0
PFO3OA	<2.0	760	230	<2.0
PFO4DA	<2.0	340	<36	<2.0
PFO5DA	<2.0	3.7	<91	<2.0
PMPA	28	2,800	2,600	<2.0
PEPA	<2.0	910	620	<2.0
PS Acid	<2.0	<2.0	<36	<2.0
Hydro-PS Acid	<2.0	66	<40	<2.0
R-PSDA	<2.0	120 J	87 J	<2.0
Hydrolyzed PSDA	<2.0	120 J	<25	<2.0
R-PSDCA	<3.0	<3.0	<130	<3.0
NVHOS	<3.0	160	<120	<3.0
EVE Acid	<2.0	<2.0	<36	<2.0
Hydro-EVE Acid	<2.0	26	<22	<2.0
R-EVE	<2.0	93 J	69 J	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<26	<2.0
PFECA B	<2.0	<2.0	<56	<2.0
PFECA-G	<2.0	<2.0	<26	<2.0
PFPrA	130	3,000	3,900	<5.0
Perfluoroheptanoic Acid	<2.0	19	<23	<2.0
Total Attachment C^{2,3}	190	20,000	15,000	ND
Total Table 3+ (17 compounds)^{3,4}	190	21,000	15,000	ND
Total Table 3+ (21 compounds)³	320	24,000	19,000	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Water Bearing Unit ¹	--	--	--
Location ID	EB	EB	EB
Field Sample ID	CAP3Q23-EQBLK-DV-071223	CAP3Q23-EQBLK-PP-071223	CAP3Q23-EQBLK-FILTER-071423
Sample Date	07/12/2023	07/12/2023	07/14/2023
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-102509-1	320-102527-1	320-102718-1
Lab Sample ID	320-102509-11	320-102527-10	320-102718-11
<i>Table 3+ SOP (ng/L)</i>			
HFPO-DA	<4.0	<4.0	<4.0
PFMOAA	<2.0	<2.0	<2.0
PFO2HxA	<2.0	<2.0	<2.0
PFO3OA	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMFA	<2.0	<2.0	<2.0
PEPA	<2.0	<2.0	<2.0
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0
NVHOS	<3.0	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
PFPrA	<5.0	<5.0	<5.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Total Attachment C^{2,3}	ND	ND	ND
Total Table 3+ (17 compounds)^{3,4}	ND	ND	ND
Total Table 3+ (21 compounds)³	ND	ND	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Water Bearing Unit¹	--	--
Location ID	EB	EB
Field Sample ID	CAP3Q23-EQBLK-PP-071723	CAP3Q23-EQBLK-PP-080423
Sample Date	07/17/2023	08/04/2023
QA/QC	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-102718-1	320-104043-1
Lab Sample ID	320-102718-10	320-104043-4
Table 3+ SOP (ng/L)		
HFPO-DA	<4.0	<4.0 UJ
PFMOAA	<2.0	<2.0 UJ
PFO2HxA	<2.0	<2.0 UJ
PFO3OA	<2.0	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0 UJ
PMFA	<2.0	<2.0 UJ
PEPA	<2.0	<2.0 UJ
PS Acid	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ
R-PSDA	<2.0	<2.0 UJ
Hydrolyzed PSDA	<2.0	<2.0 UJ
R-PSDCA	<3.0	<3.0 UJ
NVHOS	<3.0	<3.0 UJ
EVE Acid	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ
R-EVE	<2.0	<2.0 UJ
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ
PFPrA	<5.0	<5.0 UJ
Perfluoroheptanoic Acid	<2.0	<2.0 UJ
Total Attachment C^{2,3}	ND	ND
Total Table 3+ (17 compounds)^{3,4}	ND	ND
Total Table 3+ (21 compounds)³	ND	ND

Notes:

- Bold** - Analyte detected above associated reporting limit
- B - analyte detected in an associated blank
- J - Analyte detected. Reported value may not be accurate or precise
- ND - no Table 3+ analytes were detected above the associated reporting limits
- ng/L - nanograms per liter
- QA/QC - Quality assurance/ quality control
- SDG - Sample Delivery Group
- SOP - standard operating procedure
- UJ – Analyte not detected. Reporting limit may not be accurate or precise.
- "-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, R-EVE, and PFPrA.
- 5 - PIW-1S and PW-07 were not sampled because the wells were dry.

TABLE A7
SUMMARY OF TOTAL PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway	Pathway Name	Total Flow Volume on Sample Date (MG)¹	Total Attachment C²		Total Table 3+ (17 compounds)³		Total Table 3+ (21 compounds)	
			Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)
--	River Water Intake 2	12	72	--	72	--	770	--
1	Upstream River Water and Groundwater ⁴	865	7	0.27	7.2	0.27	24.0	0.91
2	Willis Creek	1.78	2,600	0.20	2,600	0.20	3,600	0.28
3	Aerial Deposition on Water Features		--	0.01	--	0.01	--	0.01
4	Outfall 002 ⁵	15	38	0.02	38	0.02	350	0.23
4A	Stormwater Treatment System ⁶	0.06	0	0	0	0	0	0
5	Onsite Groundwater ⁷	--	--	0.05	--	0.05	--	0.06
6A	Seep A	0.04	10,000	0.02	10,000	0.02	13,000	0.02
6B	Seep B	0.04	5100	8.5E-03	5,100	8.5E-03	6,500	1.1E-02
6C	Seep C	0.05	720	1.4E-03	720	1.4E-03	930	1.8E-03
6D	Seep D	0.01	1500	8.6E-04	1,500	8.6E-04	1,800	1.0E-03
6E	Lock and Dam Seep	0.001	100,000	0.01	100,000	0.01	120,000	0.01
6F	Lock and Dam Seep North	5.8E-04	18,000	4.6E-04	18,000	4.6E-04	22,000	5.6E-04
7	Outfall 003 Stream ⁸	3.0E-01	5,400	0.07	5,400	0.07	6,500	0.08
8	Offsite Adjacent and Downstream Groundwater		--	0.10	--	0.10	--	0.34
9	Georgia Branch Creek	2.41	1,300	0.14	1,300	0.14	1,800	0.19
Calculated Total Table 3+ Loading (mg/s) at Tar Heel				0.90		0.90		2.14

Notes:

1 - Total flow volume is determined based on measurements taken over 24-hour sample collection period for all locations except Willis Creek, Lock and Dam Seep, Outfall 003, and Georgia Branch Creek. At these locations, the total flow volume was estimated based on the instantaneous flow measurement.

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

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

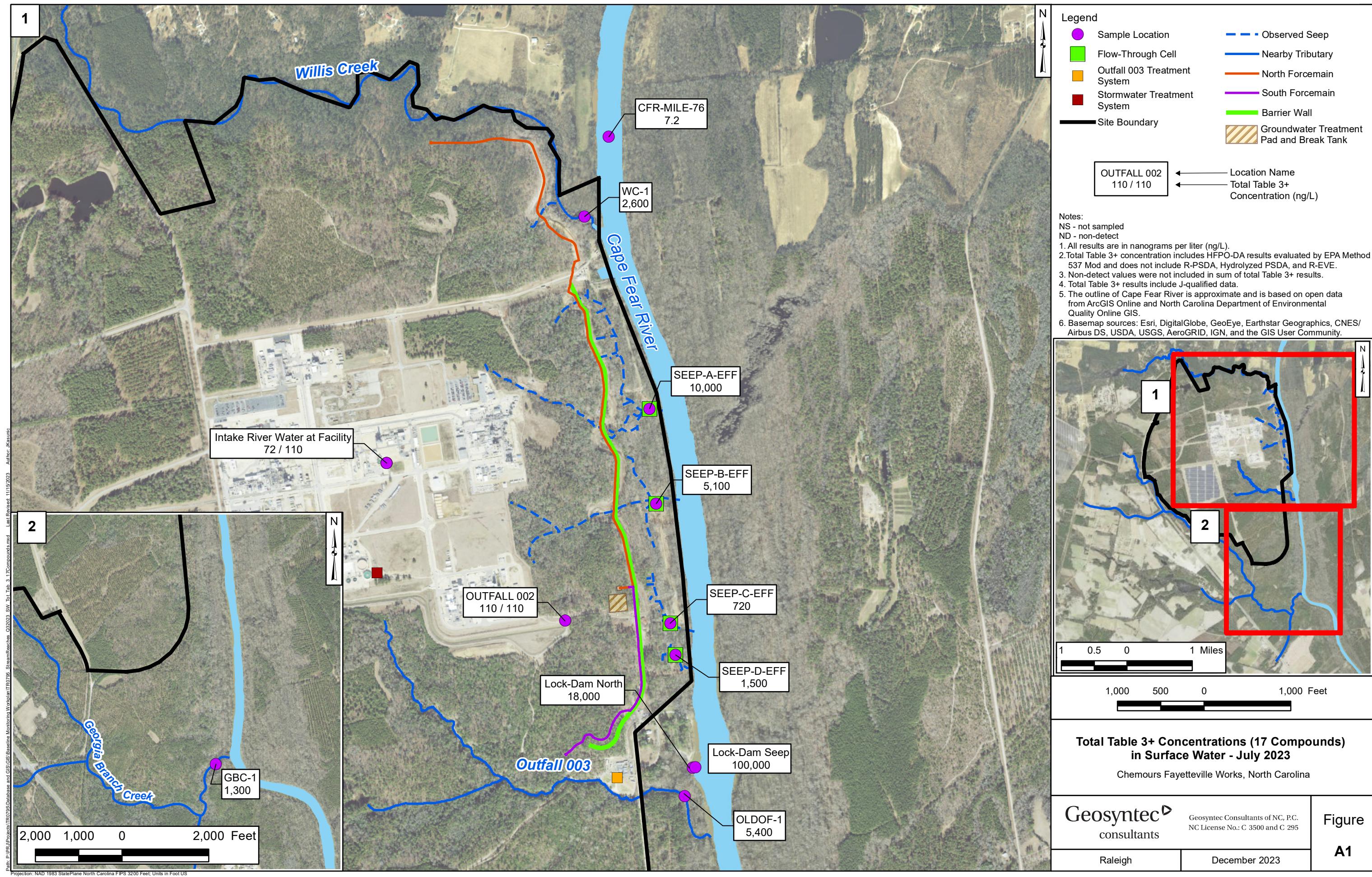
4 - The volumetric flow rate for upstream river water and groundwater was estimated by subtracting inflows from Willis Creek, upwelling groundwater, seeps to the river, and Outfall 002 and by adding the river water intake from Chemours to the flow rate measurement from the W.O. Huske Dam.

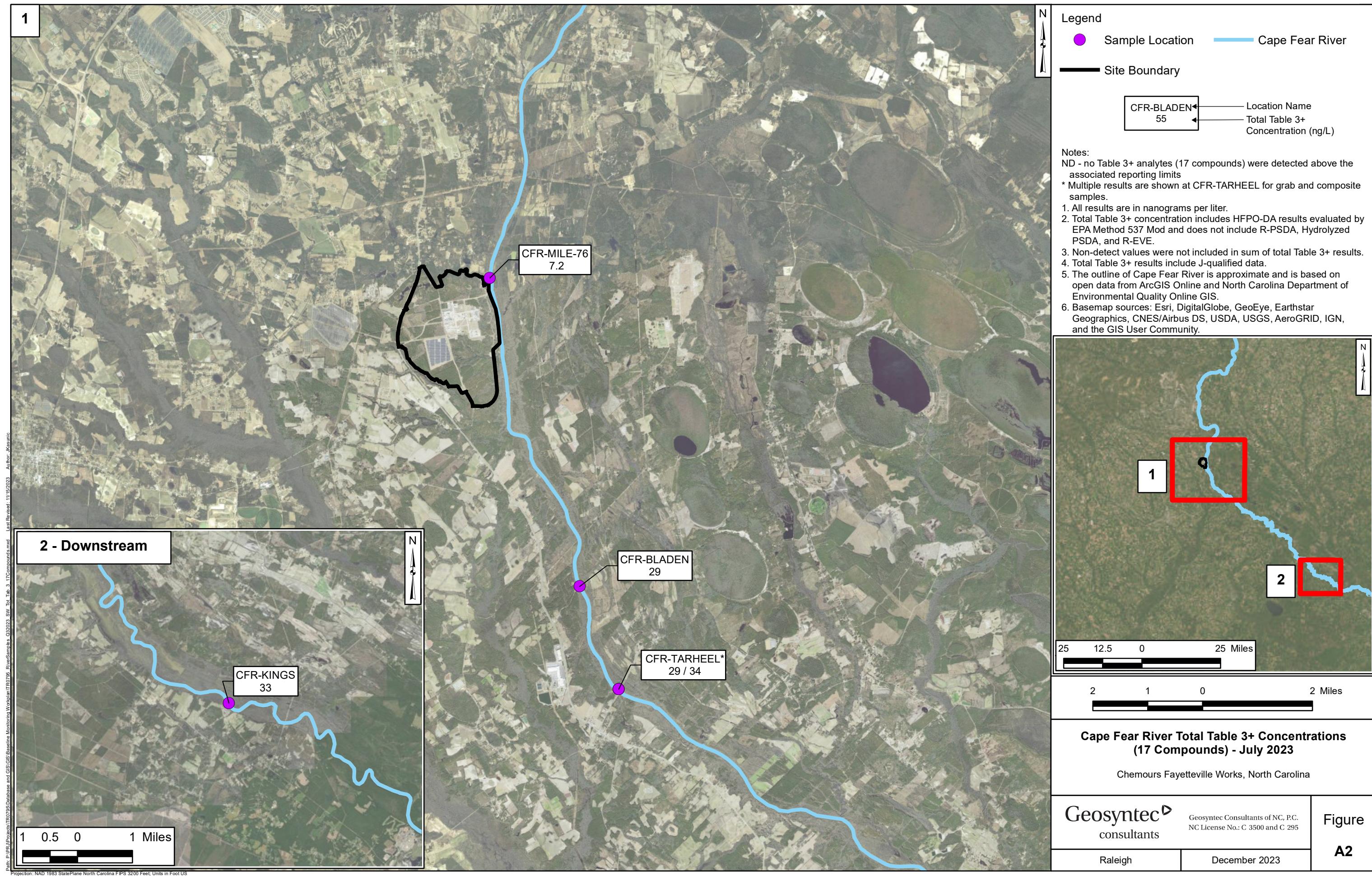
5 - Total PFAS concentrations at the Intake River Water at Facility location are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

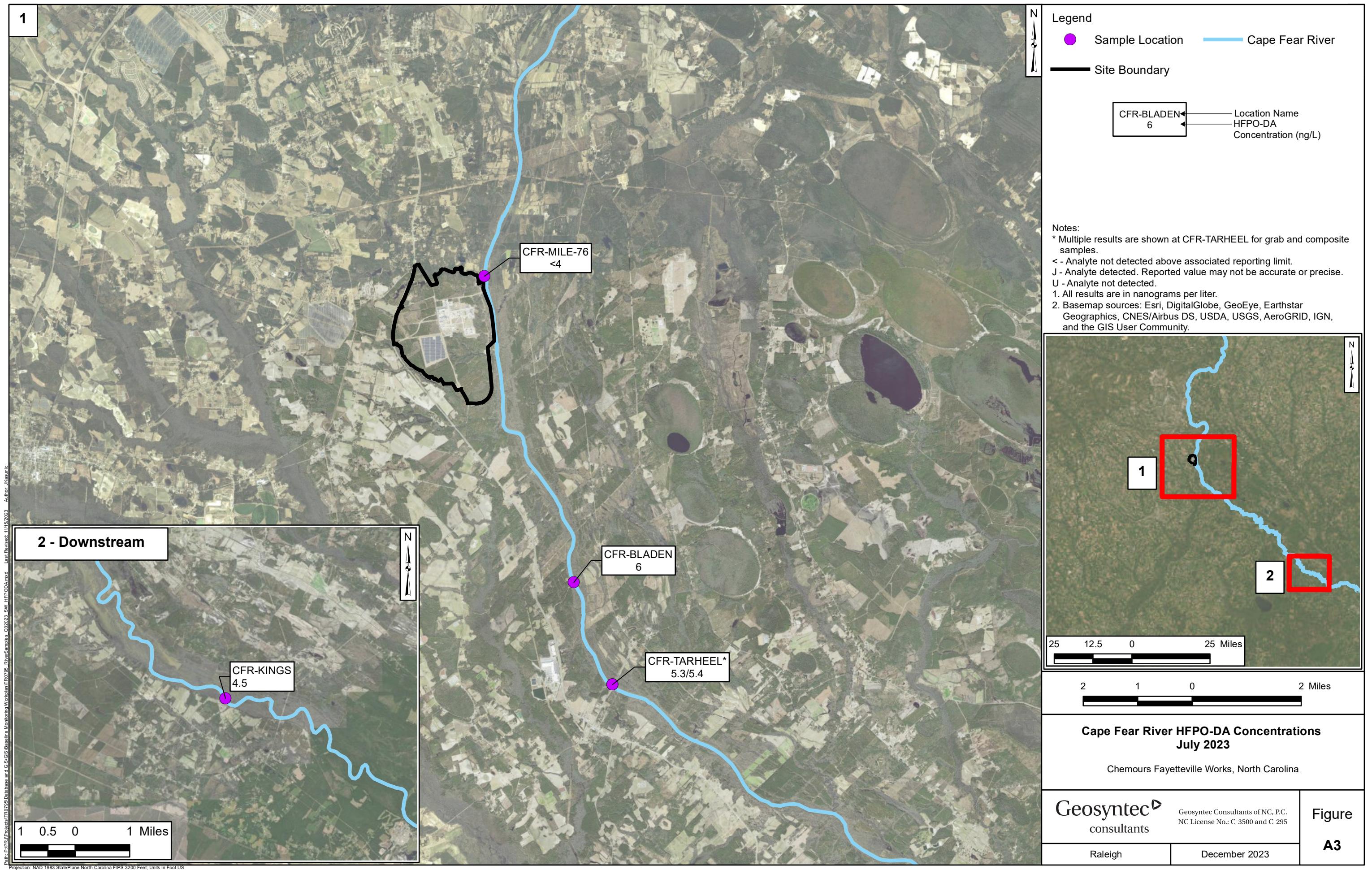
6 - The stormwater treatment system captures PFAS originating from Stormwater in the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. When stormwater is being treated by the stormwater treatment system, HFPO-DA, PFMOAA, and PMPA concentrations are measured in the stormwater treatment system influent and effluent flows. The concentrations and mass loads reported here are the sum of these 3 compounds in the stormwater treatment system influent flow.

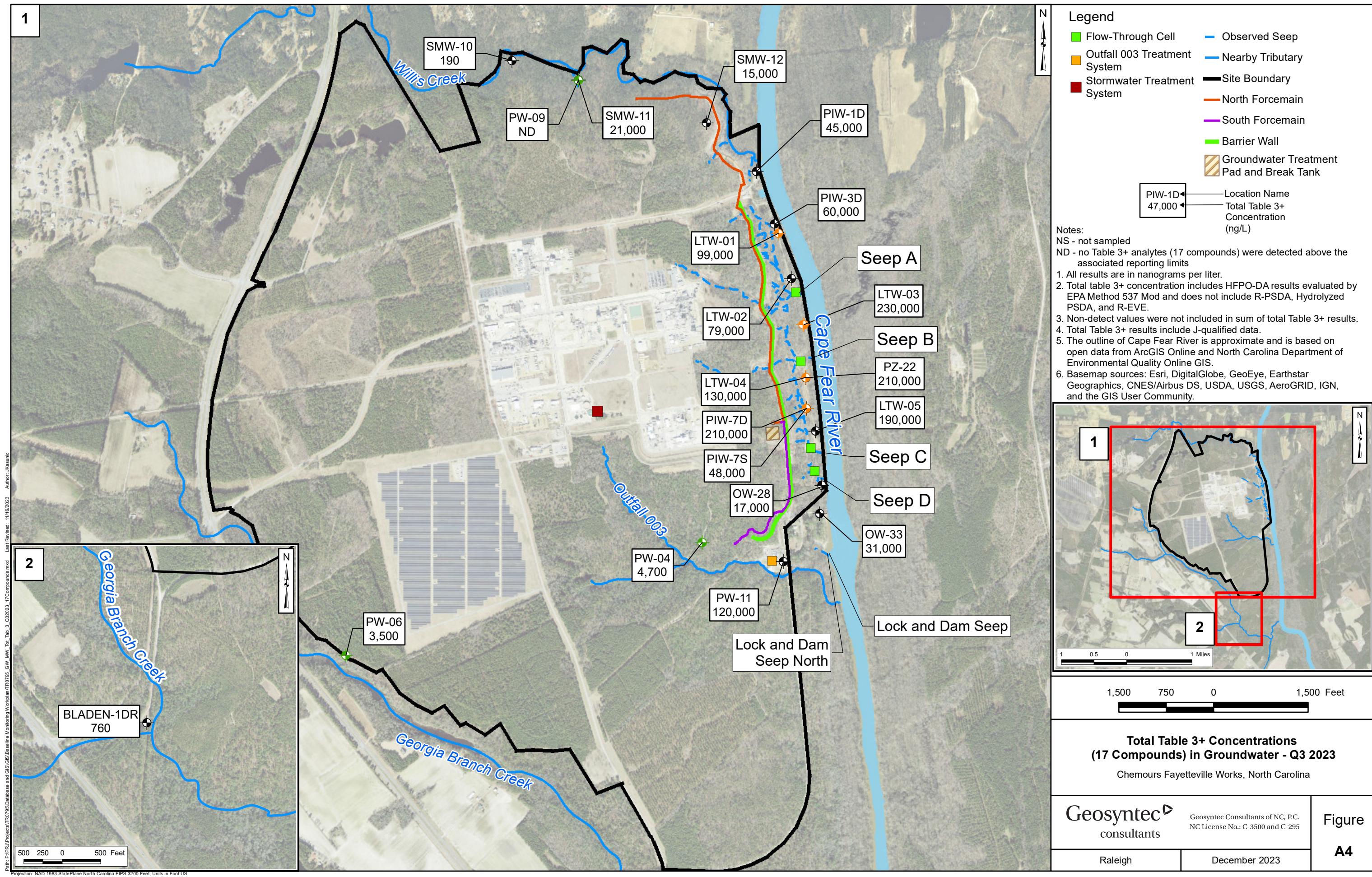
7 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.

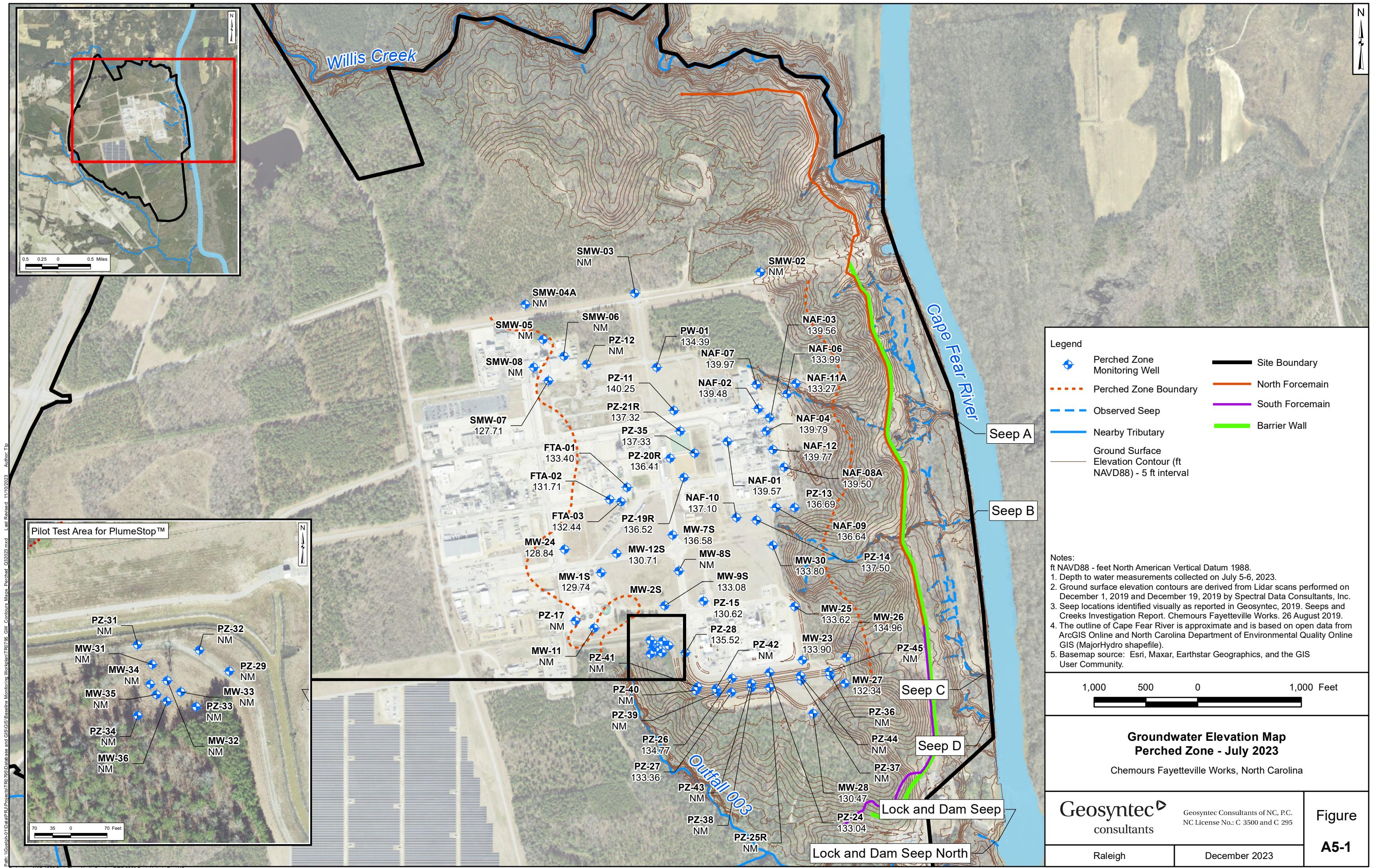
8 - For July 2023, the concentrations from the stream sample collected downgradient from the Outfall 003 treatment system and effluent samples collected at the effluent basins of the Seep A, B, C and D flow-through cells were used to calculate the After Remedy mass discharge for these pathways.

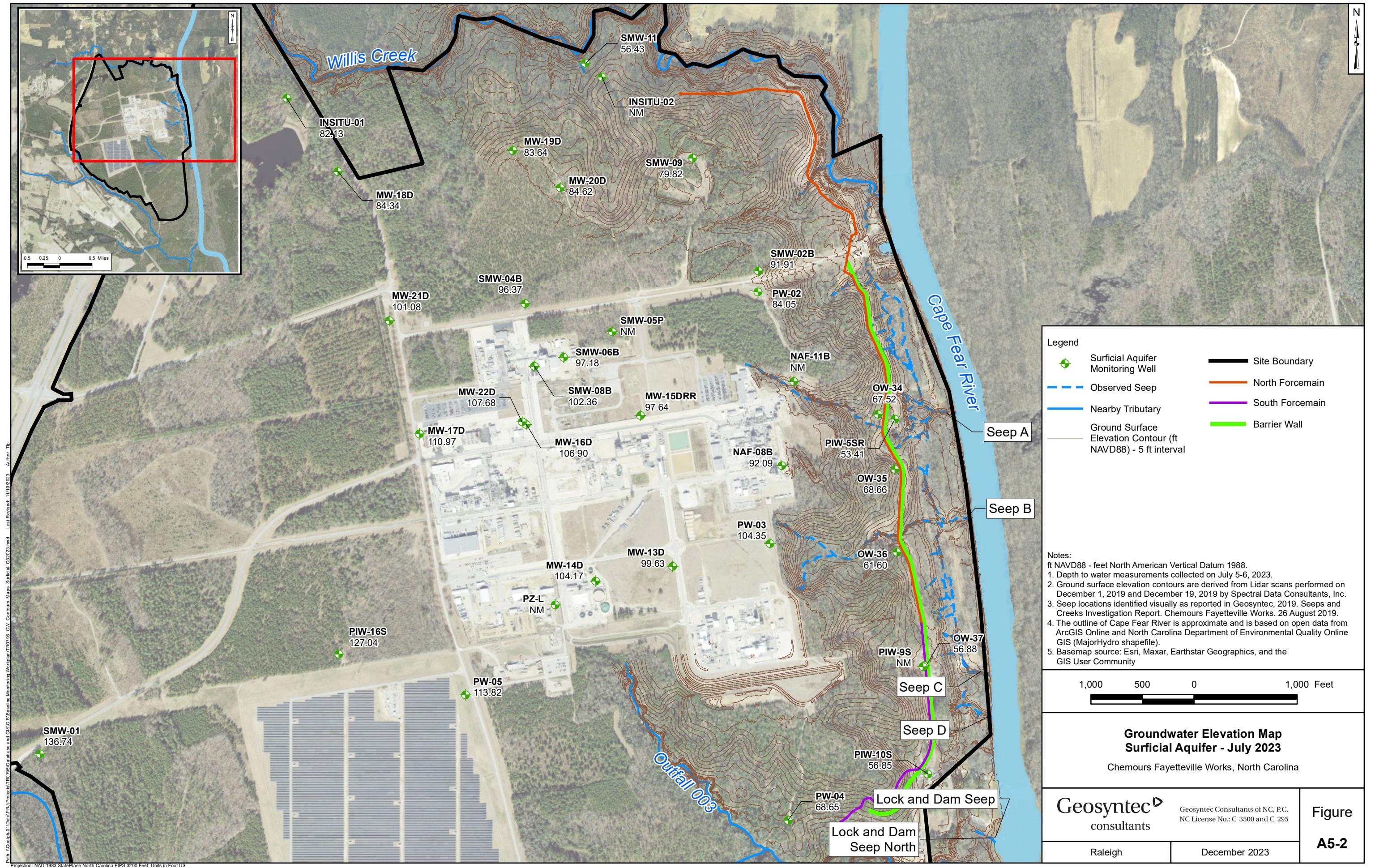


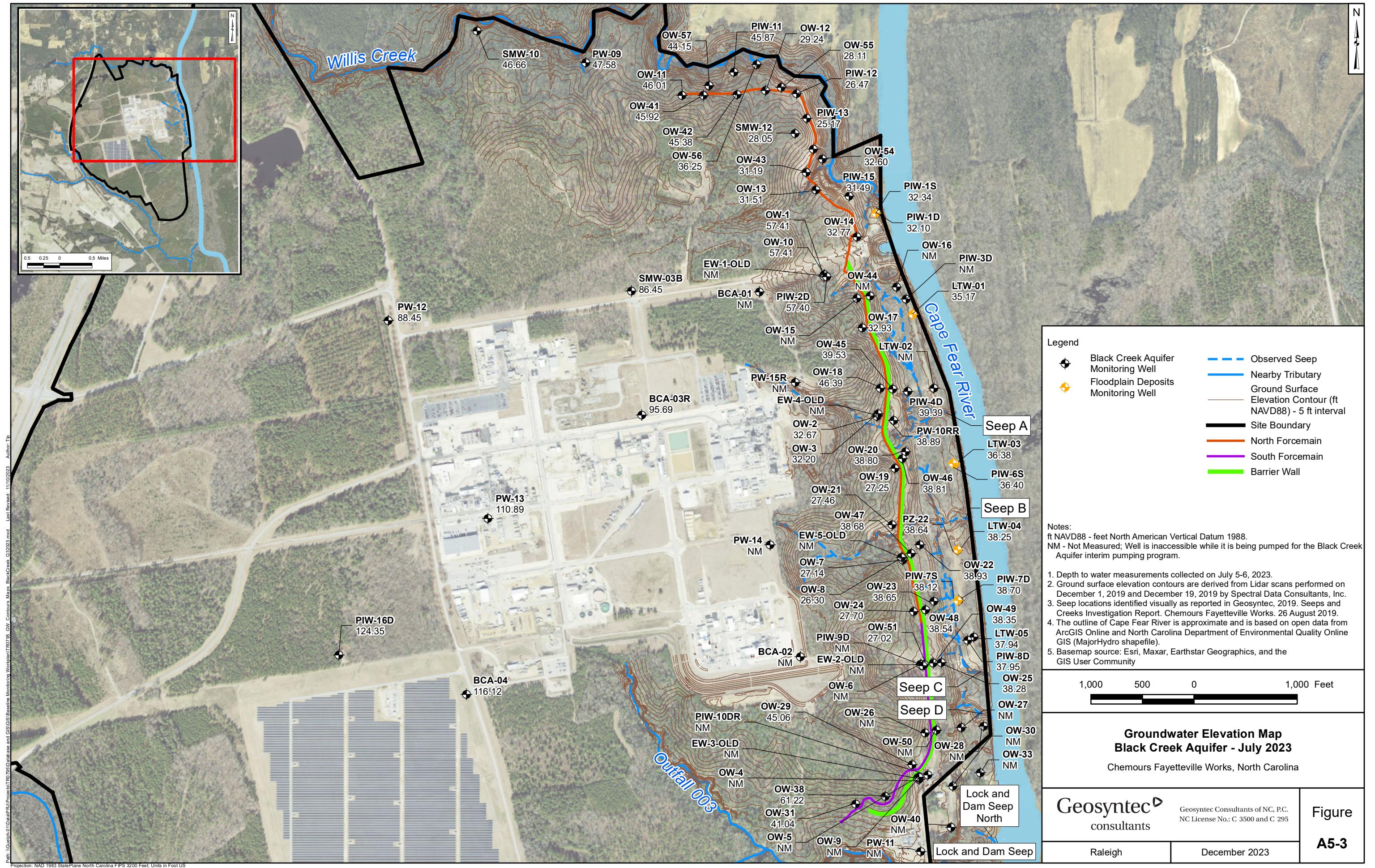












Attachment ATT1

Supplemental Tables to the Mass Loading Model

TABLE ATT1-1
SEEP A FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 6:53	47.0	704.8
07/26/23 7:08	64.4	966.4
07/26/23 7:23	47.0	704.8
07/26/23 7:38	56.2	843.6
07/26/23 7:53	34.7	519.9
07/26/23 8:08	23.1	346.1
07/26/23 8:23	37.6	564.4
07/26/23 8:38	31.8	476.7
07/26/23 8:53	32.1	481.4
07/26/23 9:08	29.0	434.7
07/26/23 9:23	30.2	453.2
07/26/23 9:38	38.3	574.4
07/26/23 9:53	31.8	476.7
07/26/23 10:08	18.4	276.3
07/26/23 10:23	16.1	241.5
07/26/23 10:38	20.0	300.4
07/26/23 10:53	19.2	288.2
07/26/23 11:08	29.0	434.7
07/26/23 11:23	30.2	453.2
07/26/23 11:38	34.0	510.2
07/26/23 11:53	42.7	641.1
07/26/23 12:08	18.9	284.2
07/26/23 12:23	29.3	439.3
07/26/23 12:38	25.1	376.4
07/26/23 12:53	32.1	481.4
07/26/23 13:08	26.0	389.6
07/26/23 13:23	31.5	472.0
07/26/23 13:38	29.9	448.6
07/26/23 13:53	26.9	402.9
07/26/23 14:08	29.0	434.7
07/26/23 14:23	30.2	453.2
07/26/23 14:38	20.0	300.4
07/26/23 14:53	15.8	237.7
07/26/23 15:08	0.0	0.0
07/26/23 15:23	0.0	0.0
07/26/23 15:38	0.0	0.0
07/26/23 15:53	0.0	0.0
07/26/23 16:08	0.0	0.0
07/26/23 16:23	0.0	0.0
07/26/23 16:38	0.0	0.0

TABLE ATT1-1
SEEP A FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 16:53	0.0	0.0
07/26/23 17:08	0.0	0.0
07/26/23 17:23	0.0	0.0
07/26/23 17:38	0.0	0.0
07/26/23 17:53	0.0	0.0
07/26/23 18:08	0.0	0.0
07/26/23 18:23	0.0	0.0
07/26/23 18:38	0.0	0.0
07/26/23 18:53	0.0	0.0
07/26/23 19:08	0.0	0.0
07/26/23 19:23	0.0	0.0
07/26/23 19:38	0.0	0.0
07/26/23 19:53	0.0	0.0
07/26/23 20:08	0.0	0.0
07/26/23 20:23	0.0	0.0
07/26/23 20:38	0.0	0.0
07/26/23 20:53	0.0	0.0
07/26/23 21:08	0.0	0.0
07/26/23 21:23	0.0	0.0
07/26/23 21:38	0.0	0.0
07/26/23 21:53	0.0	0.0
07/26/23 22:08	0.0	0.0
07/26/23 22:23	0.0	0.0
07/26/23 22:38	0.0	0.0
07/26/23 22:53	0.0	0.0
07/26/23 23:08	0.0	0.0
07/26/23 23:23	0.0	0.0
07/26/23 23:38	0.0	0.0
07/26/23 23:53	0.0	0.0
07/27/23 0:08	0.0	0.0
07/27/23 0:23	25.1	376.4
07/27/23 0:38	66.0	990.5
07/27/23 0:53	78.0	1170.2
07/27/23 1:08	60.9	913.1
07/27/23 1:23	78.9	1183.0
07/27/23 1:38	60.9	913.1
07/27/23 1:53	66.0	990.5
07/27/23 2:08	80.6	1208.6
07/27/23 2:23	68.0	1020.7
07/27/23 2:38	80.6	1208.6

TABLE ATT1-1
SEEP A FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/27/23 2:53	63.2	948.6
07/27/23 3:08	74.2	1113.4
07/27/23 3:23	71.3	1069.8
07/27/23 3:38	81.4	1221.5
07/27/23 3:53	78.4	1176.6
07/27/23 4:08	83.6	1253.9
07/27/23 4:23	93.3	1399.8
07/27/23 4:38	84.5	1267.0
07/27/23 4:53	85.8	1286.6
07/27/23 5:08	73.4	1100.9
07/27/23 5:23	80.1	1202.2
07/27/23 5:38	82.3	1234.4
07/27/23 5:53	79.3	1189.4
Total Flow Volume (gal)		40,852

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - Flow volumes are calculated as the total volume of flow passing through the Flow through cell (FTC) for the duration of the interval (15 mins). Where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE ATT1-2
SEEP B FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 7:07	45.9	687.9
07/26/23 7:22	31.7	476.0
07/26/23 7:37	42.0	629.9
07/26/23 7:52	22.2	332.8
07/26/23 8:07	14.8	222.3
07/26/23 8:22	26.2	393.4
07/26/23 8:37	20.5	307.9
07/26/23 8:52	21.6	324.5
07/26/23 9:07	19.4	291.7
07/26/23 9:22	21.1	316.2
07/26/23 9:37	27.4	411.3
07/26/23 9:52	23.3	349.8
07/26/23 10:07	10.9	162.8
07/26/23 10:22	9.8	146.5
07/26/23 10:37	12.9	193.6
07/26/23 10:52	12.0	179.7
07/26/23 11:07	20.3	303.8
07/26/23 11:22	22.2	332.8
07/26/23 11:37	24.5	367.0
07/26/23 11:52	31.1	466.6
07/26/23 12:07	12.0	179.7
07/26/23 12:22	19.7	295.7
07/26/23 12:37	17.3	260.1
07/26/23 12:52	23.3	349.8
07/26/23 13:07	18.9	283.7
07/26/23 13:22	23.3	349.8
07/26/23 13:37	22.2	332.8
07/26/23 13:52	19.7	295.7
07/26/23 14:07	20.3	303.8
07/26/23 14:22	21.4	320.3
07/26/23 14:37	12.4	186.6
07/26/23 14:52	10.6	159.5
07/26/23 15:07	20.0	299.8
07/26/23 15:22	22.8	341.3

TABLE ATT1-2
SEEP B FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 15:37	19.4	291.7
07/26/23 15:52	21.4	320.3
07/26/23 16:07	29.2	438.6
07/26/23 16:22	22.5	337.1
07/26/23 16:37	10.9	162.8
07/26/23 16:52	11.8	176.3
07/26/23 17:07	15.1	226.0
07/26/23 17:22	10.4	156.2
07/26/23 17:37	8.3	124.7
07/26/23 17:52	21.9	328.6
07/26/23 18:07	20.5	307.9
07/26/23 18:22	27.1	406.8
07/26/23 18:37	38.9	583.8
07/26/23 18:52	38.2	573.7
07/26/23 19:07	37.9	568.7
07/26/23 19:22	37.9	568.7
07/26/23 19:37	23.6	354.1
07/26/23 19:52	37.9	568.7
07/26/23 20:07	40.6	609.3
07/26/23 20:22	30.8	461.9
07/26/23 20:37	27.1	406.8
07/26/23 20:52	33.0	495.1
07/26/23 21:07	30.2	452.5
07/26/23 21:22	27.4	411.3
07/26/23 21:37	28.9	434.0
07/26/23 21:52	21.1	316.2
07/26/23 22:07	25.3	380.1
07/26/23 22:22	39.9	599.0
07/26/23 22:37	21.9	328.6
07/26/23 22:52	29.2	438.6
07/26/23 23:07	28.0	420.3
07/26/23 23:22	26.2	393.4
07/26/23 23:37	30.5	457.2
07/26/23 23:52	38.2	573.7
07/27/23 0:07	34.6	519.2

TABLE ATT1-2
SEEP B FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/27/23 0:22	35.6	533.9
07/27/23 0:37	33.3	499.9
07/27/23 0:52	39.6	593.9
07/27/23 1:07	26.5	397.8
07/27/23 1:22	37.6	563.7
07/27/23 1:37	25.9	389.0
07/27/23 1:52	31.1	466.6
07/27/23 2:07	40.6	609.3
07/27/23 2:22	31.1	466.6
07/27/23 2:37	39.3	588.9
07/27/23 2:52	27.1	406.8
07/27/23 3:07	34.9	524.1
07/27/23 3:22	33.3	499.9
07/27/23 3:37	40.3	604.2
07/27/23 3:52	39.6	593.9
07/27/23 4:07	40.3	604.2
07/27/23 4:22	46.9	704.0
07/27/23 4:37	42.0	629.9
07/27/23 4:52	40.3	604.2
07/27/23 5:07	34.3	514.4
07/27/23 5:22	38.6	578.7
07/27/23 5:37	40.3	604.2
07/27/23 5:52	37.9	568.7
07/27/23 6:07	40.6	609.3
Total Flow Volume (gal)		38,203

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - Flow volumes are calculated as the total volume of flow passing through the Flow through cell (FTC) for the duration of the interval (15 mins). Where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE ATT1-3
SEEP C FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 7:42	58.0	869.8
07/26/23 7:57	36.4	545.6
07/26/23 8:12	21.8	326.7
07/26/23 8:27	37.5	562.3
07/26/23 8:42	32.0	480.5
07/26/23 8:57	34.7	520.8
07/26/23 9:12	28.6	429.6
07/26/23 9:27	29.9	449.0
07/26/23 9:42	38.6	579.1
07/26/23 9:57	33.1	496.5
07/26/23 10:12	20.9	312.8
07/26/23 10:27	17.3	259.1
07/26/23 10:42	20.6	309.3
07/26/23 10:57	19.3	288.9
07/26/23 11:12	29.2	437.3
07/26/23 11:27	29.7	445.1
07/26/23 11:42	33.9	508.6
07/26/23 11:57	45.0	674.7
07/26/23 12:12	19.0	285.5
07/26/23 12:27	28.9	433.5
07/26/23 12:42	23.9	358.8
07/26/23 12:57	32.6	488.5
07/26/23 13:12	26.6	399.3
07/26/23 13:27	32.8	492.5
07/26/23 13:42	27.4	410.6
07/26/23 13:57	27.6	414.4
07/26/23 14:12	29.4	441.2
07/26/23 14:27	31.0	464.6
07/26/23 14:42	20.4	305.9
07/26/23 14:57	15.6	233.5
07/26/23 15:12	28.6	429.6
07/26/23 15:27	32.8	492.5
07/26/23 15:42	31.2	468.6
07/26/23 15:57	29.9	449.0

TABLE ATT1-3
SEEP C FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 16:12	40.3	604.7
07/26/23 16:27	34.7	520.8
07/26/23 16:42	21.5	323.2
07/26/23 16:57	21.3	319.7
07/26/23 17:12	25.4	380.7
07/26/23 17:27	20.9	312.8
07/26/23 17:42	15.6	233.5
07/26/23 17:57	35.3	529.0
07/26/23 18:12	31.0	464.6
07/26/23 18:27	34.2	512.7
07/26/23 18:42	53.2	798.3
07/26/23 18:57	51.3	770.2
07/26/23 19:12	46.8	701.6
07/26/23 19:27	49.8	747.1
07/26/23 19:42	30.2	452.9
07/26/23 19:57	47.7	715.1
07/26/23 20:12	54.8	821.9
07/26/23 20:27	43.2	648.2
07/26/23 20:42	35.0	524.9
07/26/23 20:57	44.7	670.2
07/26/23 21:12	42.9	643.8
07/26/23 21:27	36.9	553.9
07/26/23 21:42	37.5	562.3
07/26/23 21:57	26.1	391.8
07/26/23 22:12	30.5	456.8
07/26/23 22:27	49.2	737.9
07/26/23 22:42	31.0	464.6
07/26/23 22:57	40.6	609.0
07/26/23 23:12	36.9	553.9
07/26/23 23:27	33.4	500.5
07/26/23 23:42	36.1	541.4
07/26/23 23:57	46.2	692.6
07/27/23 0:12	42.6	639.4
07/27/23 0:27	44.4	665.8
07/27/23 0:42	38.0	570.7

TABLE ATT1-3
SEEP C FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/27/23 0:57	50.4	756.3
07/27/23 1:12	32.8	492.5
07/27/23 1:27	49.8	747.1
07/27/23 1:42	32.3	484.5
07/27/23 1:57	36.6	549.7
07/27/23 2:12	48.6	728.8
07/27/23 2:27	36.6	549.7
07/27/23 2:42	48.9	733.4
07/27/23 2:57	34.2	512.7
07/27/23 3:12	43.2	648.2
07/27/23 3:27	38.9	583.4
07/27/23 3:42	50.1	751.7
07/27/23 3:57	46.8	701.6
07/27/23 4:12	49.8	747.1
07/27/23 4:27	59.0	884.4
07/27/23 4:42	53.2	798.3
Total Flow Volume (gal)		45,370

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - Flow volumes are calculated as the total volume of flow passing through the Flow through cell (FTC) for the duration of the interval (15 mins). Where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE ATT1-4
SEEP D FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 9:14	0.7	9.9
07/26/23 9:29	0.7	9.9
07/26/23 9:44	6.5	97.9
07/26/23 9:59	3.2	47.6
07/26/23 10:14	0	0
07/26/23 10:29	0	0
07/26/23 10:44	0	0
07/26/23 10:59	0	0
07/26/23 11:14	1.4	20.4
07/26/23 11:29	0	0
07/26/23 11:44	2.1	31.1
07/26/23 11:59	10.6	159.0
07/26/23 12:14	0	0
07/26/23 12:29	0	0
07/26/23 12:44	0	0
07/26/23 12:59	1.6	23.8
07/26/23 13:14	0	0
07/26/23 13:29	2.2	33.1
07/26/23 13:44	0	0
07/26/23 13:59	0	0
07/26/23 14:14	0	0
07/26/23 14:29	1.3	18.8
07/26/23 14:44	0	0
07/26/23 14:59	0	0
07/26/23 15:14	1.4	20.4
07/26/23 15:29	3.8	56.7
07/26/23 15:44	3.2	47.6
07/26/23 15:59	1.6	23.8
07/26/23 16:14	7.5	112.3
07/26/23 16:29	5.8	86.9
07/26/23 16:44	0	0
07/26/23 16:59	0	0
07/26/23 17:14	0	0
07/26/23 17:29	0	0
07/26/23 17:44	0	0
07/26/23 17:59	8.1	121.2
07/26/23 18:14	2.7	41.2
07/26/23 18:29	5.1	76.4
07/26/23 18:44	24.1	362.0
07/26/23 18:59	20.2	303.2
07/26/23 19:14	14.5	218.1
07/26/23 19:29	18.6	279.0

TABLE ATT1-4
SEEP D FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/26/23 19:44	2.2	33.1
07/26/23 19:59	15.8	236.6
07/26/23 20:14	26.2	392.6
07/26/23 20:29	14.1	210.8
07/26/23 20:44	6.9	103.6
07/26/23 20:59	14.8	221.7
07/26/23 21:14	14.8	221.7
07/26/23 21:29	8.9	133.4
07/26/23 21:44	8.1	121.2
07/26/23 21:59	0	0
07/26/23 22:14	3.3	49.9
07/26/23 22:29	17.8	267.2
07/26/23 22:44	4.1	61.5
07/26/23 22:59	11.7	175.7
07/26/23 23:14	7.9	118.2
07/26/23 23:29	5.8	86.9
07/26/23 23:44	8.1	121.2
07/26/23 23:59	17.6	263.3
07/27/23 0:14	13.8	207.2
07/27/23 0:29	14.8	221.7
07/27/23 0:44	8.9	133.4
07/27/23 0:59	23.3	349.1
07/27/23 1:14	6.2	92.4
07/27/23 1:29	23.3	349.1
07/27/23 1:44	5.3	79.0
07/27/23 1:59	10.6	159.0
07/27/23 2:14	19.7	295.1
07/27/23 2:29	8.5	127.2
07/27/23 2:44	21.9	327.9
07/27/23 2:59	8.3	124.2
07/27/23 3:14	16.5	247.9
07/27/23 3:29	11.0	165.6
07/27/23 3:44	22.1	332.1
07/27/23 3:59	20.2	303.2
07/27/23 4:14	23.6	353.4
07/27/23 4:29	35.5	533.1
07/27/23 4:44	28.6	428.7
07/27/23 4:59	27.4	410.5
07/27/23 5:14	15.8	236.6
07/27/23 5:29	23.0	344.8
07/27/23 5:44	26.5	397.1
07/27/23 5:59	19.4	291.0

TABLE ATT1-4
SEEP D FLOW THROUGH CELL (FTC) DATA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date/Time	Flow Rate (gpm)	Flow Volume ¹ (gal)
07/27/23 6:14	20.8	311.4
07/27/23 6:29	13.3	200.0
07/27/23 6:44	30.4	456.4
07/27/23 6:59	8.7	130.3
07/27/23 7:14	9.3	139.6
07/27/23 7:29	17.0	255.6
07/27/23 7:44	0	0
07/27/23 7:59	3.2	47.6
07/27/23 8:14	0	0
Total Flow Volume (gal)		13,069

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - Flow volumes are calculated as the total volume of flow passing through the Flow through cell (FTC) for the duration of the interval (15 mins). Where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE ATT1-5
OUTFALL 003 STREAM VOLUMETRIC DISCHARGE CALCULATIONS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

July 27, 2023	Outfall 003 Treatment Effluent Stream
Total Effluent Volume (MGD)	0.30
Total Volumetric Discharge (ft ³ /s)	0.46

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Outfall 003 Treatment Plant Effluent Stream

Date: July 27, 2023

Acronyms

ft³/s - cubic feet per second

MGD - million gallons per day

Notes

- 1 - The top and bottom depths of Outfall 003 stream were not measured in July 2023 due to miscoordination with the field sampling. As a result, the effluent flow from the Outfall 003 treatment plant during the sample date (July 27, 2023) was used to estimate the Outfall 003 stream flow.

TABLE ATT1-6
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area²	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area¹
	(ft)	(ft)	(ft ²)	(ft/s)	(ft/s)	(ft ³ /s)
South Bank	0	0.00	0.17	0.00	0.06	0.01
T	2	0.00		0.12		
B	2	0.17	0.33	0.01	0.34	0.11
T	4	0.00		0.72		
M	4	0.08		0.62		
B	4	0.17	0.33	0.39	0.70	0.23
T	6	0.00		0.68		
M	6	0.08		0.78		
B	6	0.17	0.42	0.46	1.16	0.48
T	8	0.00		1.31		
M	8	0.13		1.54		
B	8	0.25	0.58	0.63	1.24	0.72
T	10	0.00		0.89		
M	10	0.17		0.93		
B	10	0.33	0.58	0.51	0.91	0.53
T	12	0.00		1.06		
M	12	0.13		0.89		
B	12	0.25	0.50	0.41	0.69	0.35
T	14	0.00		0.74		
B	14	0.17	0.33	0.24	0.51	0.17
T	16	0.00		0.54		
B	16	0.08	0.17	0.50	0.49	0.08
T	18	0.00		0.73		
B	18	0.08	0.25	0.17	0.27	0.07
Too shallow for multiple readings	20	0.00	0.00	0.03		
Too shallow for multiple readings	22	0.00	0.00	0.13	0.04	0.00
North Bank	24	0.00		0.00		
Total Volumetric Discharge						
(ft ³ /s) 2.8						
(gpm) 1,236						
(L/s) 78						

Associated Measurement Notes

Location: Chemours Fayetteville
 Station: Willis Creek 06 (SW-WC-01)
 Date: July 26, 2023

Acronyms

-- data not measured or calculated

B - Bottom depth of water

ft - feet

ft² - square feet

ft³/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

M - Middle depth of water

T - Top depth of water (i.e., 0 ft)

Notes

- 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.
- 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 ATT1-7
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

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	0.00	0	0.10	0.00
T	1	0		0.4		
B	1	0	0.10	0	0.43	0.00
T	2	0		1.13		
B	2	0.2	0.20	0.19	0.65	0.13
T	3	0		1.09		
B	3	0.2	0.20	0.2	0.49	0.10
T	4	0		0.45		
B	4	0.2	0.20	0.22	0.45	0.09
T	5	0		0.72		
B	5	0.2	0.50	0.41	0.73	0.15
T	6	0		1.17		
M	6	0.4		0.89		
B	6	0.8	0.95	0.29	0.88	0.70
T	7	0		0.78		
M	7	0.55		0.86		
B	7	1.1	1.15	0.56	1.11	1.22
T	8	0		1.18		
M	8	0.6		1.36		
B	8	1.2	1.05	0.17	0.80	0.95
T	9	0		0.76		
M	9	0.45		0.23		
B	9	0.9	0.50	0.05	0.12	0.10
South Bank	10	0.1		0		

Associated Measurement Notes

Location: Chemours Fayetteville
Station: Georgia Branch 05 (SW-GB-0)
Date: July 26, 2023

Date: July 20, 2023

Acronyms

-- data not measured or calculated

B - Bottom depth of water

ft - feet

ft^2 - square feet

ft^3/s - cubic feet per second

gpm - gallons per min

L/s - liters per second

$$T = T_0$$

- 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 lengths. A correction will be made for the width of the river.

TABLE ATT1-8
OUTFALL 002 FLOW RATE
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Q3 2023 Quarterly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
July 2023 ¹	07/26/2023	17.19	17,190,000	15.1	10,791,500
	07/27/2023	11.845	11,845,000	7.9	3,915,431
	7/26/2023 7:30:00 AM to 7/27/2023 6:30:00 AM			23.0	14,706,931

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 6:30 AM on 7/27/23 approximated based on flow rates for 7/26/23 and 7/27/23.

Acronyms:

gal - gallons

MGD - millions of gallons per day

TABLE ATT1-9
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Q3 2023 Quarterly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location¹	Grab Sample Instantaneous Flow Rate (ft³/s)²
July 2023	Upstream River Water and Groundwater	07/26/23 9:25	William O Huske Lock and Dam	1,360

Notes:

1 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam, North Carolina.

2 - Instantaneous flow rate for grab samples is the recorded flow rate at the time of grab sample collection.

Acronyms:

ft³/s - cubic feet per second

hr - hours

MGD - millions of gallons per day

TABLE ATT1-10
CHEMOURS FACILITY INTAKE FLOW RATE
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Q3 2022 Quarterly 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)
July 2022 ¹	07/20/22	8,986	12,939,767	18.9	10,190,067
	07/21/22	9,090	13,089,780	4.10	2,236,171
	07/20/22 5:06:00 AM to 07/21/22 4:06:00 AM			23.0	12,426,238

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 2:14 pm on 7/26/23 approximated based on flow rates for 7/26/23 and 7/26/23 was not measured due to a power spike. The Total flow volume collected for 24-hour temporal composite sample collected at 4:06 am on 7/21/22 and 7/20/22 was used as surrogate instead.

Acronyms:

gal - gallons

gpm - gallons per minute

TABLE ATT1-11
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL	GBC-1
Field Sample ID	CAP3Q23-CFR-BLADEN-072623	CAP3Q23-CFR-KINGS-080123	CAP3Q23-CFR-RM-76-072623	CAP3Q23-CFR-TARHEEL-072723	CAP3Q23-CFR-TARHEEL-7-072723	CAP3Q23-GBC-1-072623
Sample Date	07/26/2023	08/01/2023	07/26/2023	07/27/2023	07/27/2023	07/26/2023
QA/QC						
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103199-1	320-103017-1	320-103017-1	320-103199-1	320-103017-1
Lab Sample ID	320-103017-5	320-103199-2	320-103017-1	320-103017-6	320-103199-1	320-103017-2
Method 537 Mod Max (ng/L)						
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUDS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	6.2	5.6	5.7	6.0	7.3	3.2
Perfluorobutanoic Acid	<5.0	6.1	<5.0	<5.0	5.9	7.3
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.7	4.1	3.6	3.4	4.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	5.0	4.6	5.2	5.4	5.7	<2.0
Perfluorohexanoic Acid	8.7	8.3	8.4	8.1	8.8	2.8
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	9.3	9.0	8.6	10	9.6	7.8
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	6.8	8.2	6.7	6.7	8.1	2.5
PFOS	16	13	14	15	13	<2.0

TABLE ATT1-11
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	Lock-Dam North	Lock-Dam Seep	OLDOF-1	OUTFALL 002A	OUTFALL 002	River Water Intake 2	SEEP-A-EFF
Field Sample ID	CAP3Q23-LOCK-DAM-NORTH-072623	CAP3Q23-LOCK-DAM-SEEP-072623	CAP3Q23-OLDOF-1-24-072723	CAP3Q23-OUTFALL-002-24-072723	OUTFALL-002-24-072723-D	RIVER-WATER-INTAKE2-24-072823	CAP3Q23-SEEP-A-EFF-24-072723
Sample Date	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/27/2023	07/28/2023	07/27/2023
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	Liquid	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103017-1	320-103013-1	320-103016-1	320-103016-1	320-103199-1	320-103013-2
Lab Sample ID	320-103017-4	320-103017-3	320-103013-6	320-103016-4	320-103016-5	320-103199-3	320-103013-1
<i>Method 537 Mod Max (ng/L)</i>							
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0 UJ
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-Methyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	5.7	5.7	5.8	<2.0 UJ
Perfluorobutanoic Acid	41	64	7.8	8.8	8.9	7.3	21 J
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	7.2	78	3.1	3.9	3.9	3.7	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorohexane Sulfonic Acid	<2.0	4.3 J	<2.0	5.3	5.0	5.4	<2.0 UJ
Perfluorohexanoic Acid	7.6	16	<2.0	8.3	8.3	8.7	<2.0 UJ
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorononanoic Acid	<2.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoropentanoic Acid	110	440	17	8.7	8.7	9.5	18 J
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFOA	8.8	9.2	2.3	7.2	6.7	7.3	<2.0 UJ
PFOS	10	36	<2.0	13	13	11	<2.0 UJ

TABLE ATT1-11
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B-EFF	SEEP-C-EFF	SEEP-D-EFF	WC-1
Field Sample ID	CAP3Q23-SEEP-B-EFF-24-072723	CAP3Q23-SEEP-C-EFF-24-072723	CAP3Q23-SEEP-D-EFF-24-072723	CAP3Q23-WC-1-24-072723
Sample Date	07/27/2023	07/27/2023	07/27/2023	07/27/2023
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103013-2	320-103013-2	320-103013-1	320-103016-1
Lab Sample ID	320-103013-2	320-103013-3	320-103013-4	320-103016-1
<i>Method 537 Mod Max (ng/L)</i>				
10:2 Fluorotelomer sulfonate	<2.0 UJ	<2.0 UJ	<2.0	<2.0
11Cl-PF3OUdS	<2.0 UJ	<2.0 UJ	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0 UJ	<2.0 UJ	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0 UJ	<4.0 UJ	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0 UJ	<5.0 UJ	10	<5.0
9Cl-PF3ONS	<2.0 UJ	<2.0 UJ	<2.0	<2.0
DONA	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0 UJ	<5.0 UJ	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0 UJ	<5.0 UJ	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	4.9
Perfluorobutanoic Acid	17 J	<5.0 UJ	<5.0	9.0
Perfluorodecane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	2.4
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	4.3
Perfluorononanesulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoropentanoic Acid	21 J	4.4 J	11	9.9
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
PFOA	<2.0 UJ	<2.0 UJ	<2.0	7.2
PFOS	<2.0 UJ	<2.0 UJ	<2.0	<2.0

TABLE ATT1-11
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	EB	EB
Field Sample ID	CAP3Q23-EQBLK-IS-072723	CAP3Q23-EQBLK-PP-072723
Sample Date	07/27/2023	07/27/2023
QA/QC	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103017-1
Lab Sample ID	320-103017-7	320-103017-8
Method 537 Mod Max (ng/L)		
10:2 Fluorotelomer sulfonate	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0
DONA	<2.0	<2.0
N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0
N-Methyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0
Perfluoroctane Sulfonamide	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<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
PFOS	<2.0	<2.0

Notes:

Bold - Analyte detected above associated reporting limit

B - Analyte detected in an associated blank

EPA - Environmental Protection Agency

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

TABLE ATT1-12
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer
Location ID	BLADEN-1DR	LTW-01	LTW-02	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP3Q23-BLADEN-1DR-071223	CAP3Q23-LTW-01-071323	CAP3Q23-LTW-02-071223	CAP3Q23-LTW-03-071223	CAP3Q23-LTW-04-071123	CAP3Q23-LTW-05-071123
Sample Date	07/12/2023	07/13/2023	07/12/2023	07/12/2023	07/11/2023	07/11/2023
QA/QC						
Sample Delivery Group (SDG)	320-102527-1	320-102712-1	320-102527-1	320-102527-1	320-102527-1	320-102509-1
Lab Sample ID	320-102527-9	320-102712-2	320-102527-8	320-102527-5	320-102527-1	320-102509-6
Method 537 Mod Max (ng/L)						
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUDS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	3.6	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	120	86	130	290	170
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	44	11	25	60	210
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	5.2	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	23	11	16	34	43
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	4.3	260	250	750	1,400	1,600
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	39	<2.0	<2.0	10	2.1
PFOS	<2.0	11 J	<2.0	<2.0	<2.0	<2.0

TABLE ATT1-12
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	OW-28	OW-33	PIW-1S ²	PIW-1D	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP3Q23-OW-28-071123	CAP3Q23-OW-33-071223	--	CAP3Q23-PIW-1D-080223	CAP3Q23-PIW-3D-071323	CAP3Q23-PIW-7D-071123	CAP3Q23-PIW-7S-071123
Sample Date	07/11/2023	07/12/2023	--	08/02/2023	07/13/2023	07/11/2023	07/11/2023
QA/QC			--				
Sample Delivery Group (SDG)	320-102509-1	320-102527-1	--	320-103526-1	320-102712-1	320-102509-1	320-102509-1
Lab Sample ID	320-102509-5	320-102527-3	--	320-103526-4	320-102712-1	320-102509-3	320-102509-2
Method 537 Mod Max (ng/L)							
10:2 Fluorotelomer sulfonate	<2.0	<2.0	--	<67	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	--	<32	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	--	<46	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	--	<24 UJ	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	--	<85	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	--	<140	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	--	<250	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	--	<24	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	--	<40	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	--	<130	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	--	<87 UJ	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	--	<43	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	--	<120	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0	--	<20	2.3	<2.0	2.5
Perfluorobutanoic Acid	46	62	--	<240	79	160	100
Perfluorodecane Sulfonic Acid	<2.0	<2.0	--	<32	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	--	<31	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	--	<97	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	--	<55	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	--	<19	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	6.5	7.1	--	<25	33	85	41
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	--	<89	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	--	<57	3.7	<2.0	3.0
Perfluorohexanoic Acid	9.1	10	--	<58	16	30	19
Perfluorononanesulfonic Acid	<2.0	<2.0	--	<37	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	--	<27	5.0	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0	--	<94	<2.0	<2.0	<2.0
Perfluoroctane Sulfonamide	<2.0	<2.0	--	<98	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	--	<30	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	73	130	--	160	150	1,400	470
Perfluorotetradecanoic Acid	<2.0	<2.0	--	<73	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	--	<130	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	--	<110	<2.0	<2.0	<2.0
PFOA	3.3	<2.0	--	<85	42	2.0	9.6
PFOS	<2.0	<2.0	--	<54	14	<2.0	<2.0

TABLE ATT1-12
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer
Location ID	PW-04	PW-04	PW-06	PW-09	PW-09	PW-07 ²
Field Sample ID	CAP3Q23-PW-04-072823	CAP3Q23-PW-04-072823-Z	CAP3Q23-PW-06-071023	CAP3Q23-PW-09-081023	CAP3Q23-PW-09-081023-Z	--
Sample Date	07/28/2023	07/28/2023	07/10/2023	08/10/2023	08/10/2023	--
QA/QC						
Sample Delivery Group (SDG)	320-103202-1	320-103202-1	320-102399-1	320-104266-1	320-104266-1	--
Lab Sample ID	320-103202-5	320-103202-6	320-102399-11	320-104266-1	320-104266-2	--
Method 537 Mod Max (ng/L)						
10:2 Fluorotelomer sulfonate	<67	<67	<2.0	<2.0 UJ	<2.0 UJ	--
11Cl-PF3OUdS	<32	<32	<2.0	<2.0 UJ	<2.0 UJ	--
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<46	<2.0	<2.0 UJ	<2.0 UJ	--
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<24	<2.0	<2.0 UJ	<2.0 UJ	--
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<85	<2.0	<2.0 UJ	<2.0 UJ	--
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<140	<4.0	<4.0 UJ	<4.0 UJ	--
6:2 Fluorotelomer sulfonate	<250	<250	<5.0	<5.0 UJ	<5.0 UJ	--
9Cl-PF3ONS	<24	<24	<2.0	<2.0 UJ	<2.0 UJ	--
DONA	<40	<40	<2.0	<2.0 UJ	<2.0 UJ	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<130	<5.0	<5.0 UJ	<5.0 UJ	--
N-ethylperfluoro-1-octanesulfonamide	<87	<87	<2.0	<2.0 UJ	<2.0 UJ	--
N-methyl perfluoro-1-octanesulfonamide	<43	<43	<2.0	<2.0 UJ	<2.0 UJ	--
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<120	<5.0	<5.0 UJ	<5.0 UJ	--
Perfluorobutane Sulfonic Acid	32	30	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorobutanoic Acid	<240	<240	8.3	<5.0 UJ	<5.0 UJ	--
Perfluorodecane Sulfonic Acid	<32	<32	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorodecanoic Acid	<31	<31	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<97	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorododecanoic Acid	<55	<55	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<19	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoroheptanoic Acid	<25	<25	5.1	<2.0 UJ	<2.0 UJ	--
Perfluorohexadecanoic Acid (PFHxDA)	<89	<89	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorohexane Sulfonic Acid	<57	<57	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorohexanoic Acid	<58	<58	3.0	<2.0 UJ	<2.0 UJ	--
Perfluorononanesulfonic Acid	<37	<37	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorononanoic Acid	<27	<27	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoroctadecanoic Acid	<94	<94	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorooctane Sulfonamide	<98	<98	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<30	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoropentanoic Acid	<49	<49	13	<2.0 UJ	<2.0 UJ	--
Perfluorotetradecanoic Acid	<73	<73	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluorotridecanoic Acid	<130	<130	<2.0	<2.0 UJ	<2.0 UJ	--
Perfluoroundecanoic Acid	<110	<110	<2.0	<2.0 UJ	<2.0 UJ	--
PFOA	<85	<85	8.2	<2.0 UJ	<2.0 UJ	--
PFOS	<54	<54	<2.0	<2.0 UJ	<2.0 UJ	--

TABLE ATT1-12
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	PZ-22	SMW-10	SMW-11	SMW-12	EB
Field Sample ID	CAP3Q-PZ-22-071123	CAP3Q23-SMW-10-071723	CAP3Q23-SMW-11-071723	CAP3Q23-SMW-12-071823	CAP3Q23-EQBLK-BP-071123
Sample Date	07/11/2023	07/17/2023	07/17/2023	07/18/2023	07/11/2023
QA/QC					Equipment Blank
Sample Delivery Group (SDG)	320-102527-1	320-102716-1	320-102716-1	320-102688-1	320-102509-1
Lab Sample ID	320-102527-2	320-102716-9	320-102716-11	320-102688-5	320-102509-10
Method 537 Mod Max (ng/L)					
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<61	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<29	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<42	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<22	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<77	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<130	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<230	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<22	<2.0
DONA	<2.0	<2.0	<2.0	<36	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<79	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<39	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<110	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<18	<2.0
Perfluorobutanoic Acid	120	<5.0	37	<220	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<29	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<28	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<88	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<50	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<17	<2.0
Perfluoroheptanoic Acid	30	<2.0	19	<23	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<81	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<52	<2.0
Perfluorohexanoic Acid	18	<2.0	15	<53	<2.0
Perfluoronananesulfonic Acid	<2.0	<2.0	<2.0	<34	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<25	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0	<2.0	<86	<2.0
Perfluoroctane Sulfonamide	<2.0	<2.0	<2.0	<89	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<27	<2.0
Perfluoropentanoic Acid	1,100	<2.0	52	73	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<67	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<120	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<100	<2.0
PFOA	<2.0	<2.0	<2.0	140	<2.0
PFOS	<2.0	<2.0	<2.0	<49	<2.0

TABLE ATT1-12
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--	--
Location ID	EB	EB	EB
Field Sample ID	CAP3Q23-EQBLK-DV-071223	CAP3Q23-EQBLK-PP-071223	CAP3Q23-EQBLK-FILTER-071423
Sample Date	07/12/2023	07/12/2023	07/14/2023
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-102509-1	320-102527-1	320-102718-1
Lab Sample ID	320-102509-11	320-102527-10	320-102718-11
Method 537 Mod Max (ng/L)			
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0	<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	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0

TABLE ATT1-12
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit ¹	--	--
Location ID	EB	EB
Field Sample ID	CAP3Q23-EQBLK-PP-071723	CAP3Q23-EQBLK-PP-080423
Sample Date	07/17/2023	08/04/2023
QA/QC	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-102718-1	320-104043-1
Lab Sample ID	320-102718-10	320-104043-4
Method 537 Mod Max (ng/L)		
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ
11Cl-PF3OUdS	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ
9Cl-PF3ONS	<2.0	<2.0 UJ
DONA	<2.0	<2.0 UJ
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ
Perfluorobutane Sulfonic Acid	<2.0	<2.0 UJ
Perfluorobutanoic Acid	<5.0	<5.0 UJ
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ
Perfluorodecanoic Acid	<2.0	<2.0 UJ
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ
Perfluorododecanoic Acid	<2.0	<2.0 UJ
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	<2.0	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ
Perfluorohexane Sulfonic Acid	<2.0	<2.0 UJ
Perfluorohexanoic Acid	<2.0	<2.0 UJ
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ
Perfluorononanoic Acid	<2.0	<2.0 UJ
Perfluoroctadecanoic Acid	<2.0	<2.0 UJ
Perfluoroctane Sulfonamide	<2.0	<2.0 UJ
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ
Perfluoropentanoic Acid	<2.0	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ
Perfluorotridecanoic Acid	<2.0	<2.0 UJ
Perfluoroundecanoic Acid	<2.0	<2.0 UJ
PFOA	<2.0	<2.0 UJ
PFOS	<2.0	<2.0 UJ

Notes:

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

2- PIW-1S and PW-07 were not sampled because the wells were dry.

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.

-- - Not measured / Not Applicable

TABLE ATT1-13
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	1	2	4	4A
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002 ³	Stormwater Treatment System ⁴
Flow (MG)	865	1.8	14.7	0.06
Program	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP3Q23-CFR-RM-76-072623	CAP3Q23-WC-1-24-072723	CAP3Q23-OUTFALL-002-24-072723	STS Discharge - 072623
Sample Date and Time ²	07/26/23	07/27/23	07/27/23	7/26/2023
Sample Delivery Group (SDG)	320-103017-1	320-103016-1	320-103016-1	320-103057-1 / 320-103057-2
Lab Sample ID	320-103017-1	320-103016-1	320-103016-4	320-103057-2
Sample Type	Grab	Composite	Composite	Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>				
HFPO-DA	ND	0.03	1.1E-02	ND
PFMOAA	ND	0.08	1.3E-03	ND
PFO2HxA	0.099	0.04	3.2E-03	--
PFO3OA	ND	0.01	1.9E-03	--
PFO4DA	ND	1.2E-03	ND	--
PFO5DA	ND	ND	ND	--
PMPA	0.17	0.04	ND	ND
PEPA	ND	0.01	1.2E-03	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	9.4E-04	ND	--
R-PSDA	ND	1.3E-02	6.4E-03	--
Hydrolyzed PSDA	ND	0.02	6.2E-03	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	ND	1.9E-03	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	5.8E-04	ND	--
R-EVE	ND	4.6E-03	1.1E-03	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
PFPrA	0.64	0.04	0.21	--
Total Attachment C Mass Discharge^{7,8}	0.27	0.20	0.02	ND
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	0.27	0.20	0.02	ND
Total Table 3+ Mass Discharge (21 Compounds)⁷	0.91	0.28	0.23	ND

TABLE ATT1-13
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	5	6A	6B	6C
Pathway Name	Onsite Groundwater ⁵	Seep A	Seep B	Seep C
Flow (MG)	--	0.04	0.04	0.05
Program	--	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23
Location ID	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	CAP3Q23-SEEP-A-EFF-24-072723	CAP3Q23-SEEP-B-EFF-24-072723	CAP3Q23-SEEP-C-EFF-24-072723
Sample Date and Time ²	--	07/27/23	07/27/23	07/27/23
Sample Delivery Group (SDG)	--	320-103013-2	320-103013-2	320-103013-2
Lab Sample ID	--	320-103013-1	320-103013-2	320-103013-3
Sample Type	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)				
HFPO-DA	4.0E-03	2.7E-04	3.0E-04	1.1E-04
PFMOAA	0.03	1.3E-02	5.4E-03	8.5E-04
PFO2HxA	0.01	2.0E-03	9.5E-04	2.8E-04
PFO3OA	1.6E-03	4.7E-05	4.0E-05	1.7E-05
PFO4DA	2.3E-04	6.6E-06	3.3E-06	ND
PFO5DA	7.5E-06	ND	ND	ND
PMPA	4.3E-03	2.1E-03	1.5E-03	1.3E-04
PEPA	1.3E-03	3.8E-04	4.2E-04	3.4E-05
PS Acid	2.7E-07	ND	ND	ND
Hydro-PS Acid	4.9E-05	ND	ND	ND
R-PSDA	2.3E-04	3.0E-05	6.4E-05	7.2E-06
Hydrolyzed PSDA	3.8E-04	2.1E-04	3.2E-04	8.7E-06
R-PSDCA	1.2E-06	ND	ND	ND
NVHOS, Acid Form	2.9E-04	2.9E-05	4.2E-05	6.6E-06
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	4.9E-05	ND	5.7E-06	ND
R-EVE	1.7E-04	3.2E-05	5.7E-05	9.7E-06
PES	1.2E-06	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
PFPrA	ND	4.1E-03	1.8E-03	4.0E-04
Total Attachment C Mass Discharge^{7,8}	0.05	1.8E-02	8.5E-03	1.4E-03
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	0.05	1.8E-02	8.5E-03	1.4E-03
Total Table 3+ Mass Discharge (21 Compounds)⁷	0.06	2.3E-02	1.1E-02	1.8E-03

TABLE ATT1-13
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number ¹	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock and Dam North	Outfall 003 Stream
Flow (MG)	0.01	1.2E-03	5.8E-04	0.30
Program	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23	CAP SW Sampling 3Q23
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP3Q23-SEEP-D-EFF-24-072723	CAP3Q23-LOCK-DAM-SEEP-072623	CAP3Q23-LOCK-DAM-NORTH-072623	CAP3Q23-OLDOF-1-24-072723
Sample Date and Time ²	07/27/23	07/26/23	07/26/23	07/27/23
Sample Delivery Group (SDG)	320-103013-1	320-103017-1	320-103017-1	320-103013-1
Lab Sample ID	320-103013-4	320-103017-3	320-103017-4	320-103013-6
Sample Type	Composite	Grab	Grab	Composite
<i>Table 3+ Lab SOP Mass Discharge⁶ (mg/s)</i>				
HFPO-DA	8.6E-05	2.7E-04	6.3E-05	1.1E-02
PFMOAA	4.5E-04	2.5E-03	1.4E-04	3.3E-02
PFO2HxA	2.2E-04	1.2E-03	9.4E-05	1.2E-02
PFO3OA	2.2E-05	7.3E-04	1.9E-05	4.2E-03
PFO4DA	1.5E-06	1.5E-04	2.8E-06	1.6E-03
PFO5DA	ND	8.9E-06	4.1E-07	4.6E-04
PMPA	6.3E-05	3.1E-04	9.6E-05	6.1E-03
PEPA	2.3E-05	1.2E-04	3.5E-05	2.0E-03
PS Acid	ND	1.1E-07	ND	2.9E-05
Hydro-PS Acid	ND	1.8E-05	2.0E-06	2.7E-04
R-PSDA	9.7E-06	4.2E-05	6.8E-06	1.0E-03
Hydrolyzed PSDA	1.9E-05	3.7E-05	9.1E-08	1.1E-03
R-PSDCA	ND	7.8E-07	ND	ND
NVHOS, Acid Form	5.7E-06	4.9E-05	2.1E-06	5.2E-04
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	1.5E-05	4.1E-07	1.8E-04
R-EVE	1.3E-05	1.3E-05	3.5E-06	4.8E-04
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
PFPrA	1.4E-04	6.8E-04	3.3E-04	0.01
Total Attachment C Mass Discharge^{7,8}	8.6E-04	5.2E-03	4.6E-04	0.07
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	8.6E-04	5.2E-03	4.6E-04	0.07
Total Table 3+ Mass Discharge (21 Compounds)⁷	1.0E-03	6.3E-03	5.6E-04	0.08

TABLE ATT1-13
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number¹	9	Sum of All Pathways
Pathway Name	Georgia Branch Creek	
Flow (MG)	2.4	
Program	CAP SW Sampling 3Q23	
Location ID	GBC-1	
Field Sample ID	CAP3Q23-GBC-1-072623	
Sample Date and Time²	07/26/23	
Sample Delivery Group (SDG)	320-103017-1	
Lab Sample ID	320-103017-2	
Sample Type	Grab	
Table 3+ Lab SOP Mass Discharge⁶ (mg/s)		
HFPO-DA	0.03	0.08
PFMOAA	3.9E-03	0.16
PFO2HxA	0.03	0.20
PFO3OA	4.0E-03	0.02
PFO4DA	1.4E-03	4.6E-03
PFO5DA	ND	4.7E-04
PMPA	0.05	0.28
PEPA	0.01	0.03
PS Acid	ND	2.9E-05
Hydro-PS Acid	3.5E-03	4.8E-03
R-PSDA	0.01	0.04
Hydrolyzed PSDA	ND	0.03
R-PSDCA	ND	2.0E-06
NVHOS, Acid Form	5.0E-04	3.4E-03
EVE Acid	ND	ND
Hydro-EVE Acid	ND	8.3E-04
R-EVE	4.1E-03	0.01
PES	ND	1.2E-06
PFECA B	ND	ND
PFECA-G	ND	ND
PFPrA	0.03	ND
Total Attachment C Mass Discharge^{7,8}	0.14	0.79
Total Table 3+ Mass Discharge (17 compounds)^{7,9}	0.14	0.79
Total Table 3+ Mass Discharge (21 Compounds)⁷	0.19	1.79

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 Attachment 2 and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020a).

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. When stormwater is being treated by the stormwater treatment system, HFPO-DA, PFMOAA, and PMPA concentrations are measured in the stormwater treatment system influent and effluent flows. The concentrations and mass loads reported here are the sum of these 3 compounds in the stormwater treatment system influent flow.

5 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A6, and flow volumes reported in Table A2.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A6, which are rounded to two significant figures.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

MG - million gallons ; mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

Attachment ATT2

Direct Aerial Deposition on Cape Fear River

Introduction and Objective

Nine pathways (Table A1 of Appendix A) 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 ATT2-1, the HFPO-DA air loading data (micrograms per meters squared [$\mu\text{g}/\text{m}^2$]) provided from ERM (2018) was used to calculate the net hourly deposition rate (nanograms per meters squared per hour [$\text{ng}/\text{m}^2/\text{hr}$]) using the Equation 1 below:

Equation 1: Net Hourly Deposition Rate

$$DR_{NET} = \frac{ML_{AIR}}{t_{AIR}}$$

where,

DR_{NET} = Net hourly deposition rate with units of mass per area per time ($\text{M L}^{-2} \text{T}^{-1}$), typically in $\text{ng}/\text{m}^2/\text{hr}$;

ML_{AIR} = Air mass loading of HFPO-DA with units of mass per area (M L^{-2}), typically $\mu\text{g}/\text{m}^2$;
and

t_{AIR} = Time that air mass loading was modeled (T), typically hours.

Depositional area along the river was calculated using available data for river width and computed river lengths where deposition contours were modeled. Eighteen sections (Figure ATT 2-1) provided from FEMA (2007) were selected along the Cape Fear River to measure the average river width (m). As depicted in Figures ATT2-2 through ATT2-6, sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu\text{g}/\text{m}^2$ were selected, and the length of the Cape Fear River along each of the sections was measured. The average river width calculated in Table ATT2-2 and section lengths from Figures ATT2-2 through ATT2-6 were used to calculate section areas (m^2) as described in Equation 2 below:

Equation 2: Cape Fear River Surface Area for Each Section

$$A_s = L_s \times W_s$$

where,

A_s = Total spatial area over which deposition occurs between contours (L^2) in section “ s ”, typically in m^2 ;

s = Section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu\text{g}/\text{m}^2$ (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 ($\text{ng}/\text{m}^2/\text{hr}$) for each section along the Cape Fear River will be estimated based on the deposition contours and corresponding net hourly deposition rate (Table ATT2-1); 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 (2023) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Table ATT2-3. The combined deposition rate ($\text{ng}/\text{m}^2/\text{hr}$) from Table ATT2-1, section area (m^2), and travel time (hr) will be used to calculate mass HFPO-DA deposited (ng) as follows in **Equation 3** below.

Equation 3: Total HFPO-DA Mass Discharge to Cape Fear River

$$MD_{HFPO-DA} = \sum_{s=1}^S DR_{AVG,s} \times A_s \times t_s$$

where,

$MD_{HFPO-DA}$ = total mass discharge of HFPO-DA into the river across all sections, with units of mass per time ($M T^{-1}$), typically mg/s ;

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu\text{g}/\text{m}^2$;

S = total number of sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 $\mu\text{g}/\text{m}^2$, five in total;

$DR_{AVG,s}$ = average deposition rate based from the ERM model (2018) in section “ s ”, typically in $\text{ng}/\text{m}^2/\text{hr}$;

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 Outfall 003 (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 ATT 2-7). A scaling factor (Table ATT2-4) was used to estimate mass discharge of Total PFAS compounds to the Cape Fear River as shown in Equation 4. Table ATT2-5 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, 2023. 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 ATT2-1
NET HOURLY HFPO-DA DEPOSITION RATE
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants NC, P.C.

Air Loading ($\mu\text{g}/\text{m}^2$)	Air Loading (ng/m^2)	Time (year)	Time (hour)	Net Hourly Deposition Rate ($\text{ng}/\text{m}^2/\text{hr}$)
40	40,000	1	8,760	4.6
80	80,000	1	8,760	9.1
160	160,000	1	8,760	18.3
320	320,000	1	8,760	36.5
640	640,000	1	8,760	73.1

Notes:

1. HFPO-DA model values are from ERM (2018). Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.
2. Air deposition contours are shown in Figures ATT2 through ATT6.
3. Net hourly deposition rates are used in the mass discharge calculations, Table ATT2-5.

Abbreviations:

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

ng/L : nanograms per liter.

$\text{ng}/\text{m}^2/\text{hr}$: nanograms per meter square per hour.

TABLE ATT2-2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

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	
614224	6	2,052,093	399,922	163
	18	2,053,460	394,655	
	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 ATT2-2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

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	
604474	1504	2,057,358	382,067	95
	1331	2,055,879	386,154	
	1332	2,055,812	386,120	
	1333	2,055,753	386,090	
	1334	2,055,647	386,037	
	1335	2,055,588	386,007	
597968	1336	2,055,566	385,996	116
	1565	2,058,901	380,593	
	1566	2,058,830	380,549	
	1567	2,058,774	380,515	
	1568	2,058,675	380,453	
	1569	2,058,619	380,418	
602061	1570	2,058,518	380,356	104
	1406	2,056,453	383,857	
	1407	2,056,356	383,798	
	1408	2,056,301	383,763	
	1409	2,056,202	383,702	
	1410	2,056,146	383,667	
594185	1411	2,056,113	383,647	100
	1717	2,060,560	377,186	
	1718	2,060,482	377,157	
	1719	2,060,421	377,134	
	1720	2,060,312	377,094	
	1721	2,060,250	377,071	
596259	1722	2,060,232	377,065	84
	1644	2,059,549	379,003	
	1645	2,059,534	378,996	
	1646	2,059,474	378,970	
	1647	2,059,368	378,923	
	1648	2,059,308	378,896	
587968	1649	2,059,275	378,881	93
	2042	2,061,270	371,304	
	2043	2,061,246	371,290	
	2044	2,061,179	371,252	
	2045	2,061,092	371,203	
	2046	2,061,042	371,174	
591595	2047	2,060,966	371,131	91
	1825	2,060,295	374,663	
	1826	2,060,270	374,661	
	1827	2,060,201	374,658	
	1828	2,060,079	374,653	
	1829	2,060,010	374,650	
590322	1830	2,059,995	374,649	100
	1931	2,060,424	373,459	
	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 ATT2-1.

**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 ATT2-3
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge ¹ (cfs)	USGS Reported Average Gage Height ¹ (ft)	USGS Reported Total Precipitation ^{1,2} (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value ³	Calculated Total Cross Sectional Area (ft ²)	Calculated River Velocity (ft/s)
7/26/2023	1344.58	1.63	0	38,074	323	18	2	5,207	0.3
7/27/2023	1153.65	1.49	0	32,668	323	18	2	5,172	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, 2023).
- 2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.
- 3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second

ft: feet

ft²: feet squared

ft/s: feet per second

L/s: Liter per second

USGS - United States Geological Survey

TABLE ATT2-4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	SEEP-E	SEEP-E	SEEP-F	SEEP-F	SEEP-G	SEEP-G	SEEP-H
Field Sample ID	SEEP-E-0930	Seep E-030420	SEEP-F-0923	Seep F-030420	SEEP-G-0911	Seep G-030420	SEEP-H-0905
Sample Date	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1
Lab Sample ID	320-55576-1	1274949	320-55576-2	1274953	320-55576-3	1274957	320-55576-4
<i>Table 3+ SOP (ng/L)</i>							
HFPO-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 ATT2-4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Location ID	SEEP-H	SEEP-I	SEEP-I	SEEP-J	SEEP-J	SEEP-K	SEEP-K
Field Sample ID	Seep H-030420	SEEP-I-0856	Seep I-030420	SEEP-J-0843	Seep J-030420	SEEP-K-0835	Seep K-030420
Sample Date	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227
Lab Sample ID	1274961	320-55576-5	1274965	320-55576-6	1274969	320-55576-7	1274973
<i>Table 3+ SOP (ng/L)</i>							
HFPO-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 ATT2-4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

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
<i>Table 3+ SOP (ng/L)</i>		
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 ATT2-5
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX
Chemours Fayetteville Works, North Carolina

Section ¹	Start Air Loading ($\mu\text{g}/\text{m}^2$)	End Air Loading ($\mu\text{g}/\text{m}^2$)	Start Deposition Rate ($\text{ng}/\text{m}^2/\text{hr}$) ²	End Deposition Rate ($\text{ng}/\text{m}^2/\text{hr}$) ²	Average Deposition Rate ($\text{ng}/\text{m}^2/\text{hr}$)	Section Distance ³ (m)	Average River Width (m)	Section Area (m^2)	River Velocity ⁴ (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	89,028	0.2	264.04	3.42	5.6	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	48,300	0.2	264.04	1.86	1.2	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	89,570	0.2	264.04	3.44	2.1	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	57,813	0.2	264.04	2.22	1.8	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	55,672	0.2	264.04	2.14	0.8	0.00011
													0.0011
													Total HFPO-DA:
													0.005
													Total Attachment C:
													0.006
													Total Table 3+ (17 Compounds):

Notes:

1. River cross sections are shown in Figure ATT2-1.
2. Based on model deposition rate, Table ATT2-1.
3. Section distances are measured in GIS as shown on Figures ATT2-2 through ATT2-6.
4. River velocity is calculated as an average from USGS discharge data between July 26 to 27, 2023, Table ATT2-3.
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.

$\mu\text{g}/\text{m}^2/\text{yr}$: 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/m²/hr: nanograms per meter square per hour

Attachment ATT3 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 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.

Previous assessments derived hydraulic gradients from potentiometric maps. Starting this quarter, hydraulic gradients were estimated between well pairs downgradient of the remedy, since the prior method is considered not appropriate for these new conditions since barrier wall results in a discontinuous potentiometric surface. This change will continue to be incorporated in future mass loading assessments.

Approach

The PFAS mass loading from onsite groundwater discharge was estimated as follows. Supporting data are provided in Table ATT3-1:

1. The Cape Fear River frontage was divided into nine segments (Figure ATT3-1). Each segment includes one well pair, consisting of:
 - a. One primary groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action Plan¹ (Geosyntec, 2019); and
 - b. One secondary paired groundwater monitoring well that is generally west of the groundwater monitoring well, east of the Barrier Wall remedy, and also considered representative of the Black Creek Aquifer.
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):

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).

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

where,

h = the Black Creek Aquifer thickness [ft];

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

l = the segment length [ft].

The EVS model output for each segment is presented in Figure ATT3-2.

3. The hydraulic gradient (i) for each segment was derived based on the groundwater elevations and distance between each well within the well pair (Figure ATT3-3):

$$i = \frac{-\Delta h}{d}$$

where,

i = the hydraulic gradient [ft/ft];

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

d = the distance between the two wells [ft]

Unlike past quarterly reports, only a single hydraulic gradient value was estimated for each segment (i.e., no lower and upper bound values). Based on the hydrographs from wells along the river presented in Figure ATT3-4, hydraulic gradients in the aquifer are relatively constant over time. With the exception of large changes in the river level (over 10 feet), these wells respond to river level fluctuation in the 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 ATT 3-1):

Extraction Well	Segment
EW-1	1
	2
EW-4	3
	4
EW-5	5
	6
EW-2	7
EW-3	8
	9

5. The total PFAS concentration for each segment was determined based on grab samples collected from the primary groundwater monitoring wells. PFAS analytical results for these groundwater samples are presented in Table ATT1-15-1 and ATT1-15-2 in Attachment 1.
6. Mass flux for each segment, representing the PFAS mass loading to the river from groundwater, was determined as follows:

$$Q = lhKiCf$$

where,

Q = the mass flux [mg/sec];

l = the segment length [ft];

h = the Black Creek Aquifer thickness [ft];

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

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

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

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

The mass flux is interpreted as zero for segments where a negative hydraulic gradient was computed (i.e., groundwater flow is moving away from the river). Parameters listed above were used to estimate groundwater flow rates, shown in Table ATT3-2.

Potential Future Methodology Modifications

The groundwater flows in the Black Creek Aquifer have changed due to the implementation of the groundwater extraction system and the barrier wall construction remedy. Adjustments to this calculation methodology were made this quarter and may be required in future assessments 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 ATT3-1
ONSITE GROUDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

Segment	Primary Well	Sample Date	Segment Length (ft)	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Average Thickness of Black Creek Aquifer (ft)	Secondary Paired Well ²	Difference in Hydraulic Head ³ (ft)	Difference in Distance (ft)	Hydraulic Gradient (ft/ft)	Hydraulic Conductivity ⁴ (ft/sec)	Total Attachment C ⁵		Total Table 3+ (17 Compounds) ⁶		Total Table 3+ (20 Compounds)	
											Concentration ⁷ (ng/L)	Mass Loading ⁸ (mg/s)	Concentration ⁷ (ng/L)	Mass Loading ⁸ (mg/s)	Concentration ⁷ (ng/L)	Mass Loading ⁸ (mg/s)
1	PIW-1D	8/2/2023	1,150	13,400	11.7	OW-14	-0.70	305.47	0.0023	1.71E-04	45,000	0.0067	45,000	0.007	46,000	0.0068
2	PIW-3D	7/13/2023	873	11,010	12.6	OW-44	-0.31	351.79	0.0009	1.71E-04	60,000	0.0028	60,000	0.003	61,000	0.0029
3	LTW-02	7/12/2023	875	5,560	6.4	OW-45	-0.11	399.66	0.0003	1.02E-04	78,000	0.0003	79,000	0.0003	81,000	0.0004
4	LTW-03	7/12/2023	729	2,800	3.9	OW-46	-2.50	510.17	0.0049	1.02E-04	230,000	0.0092	230,000	0.009	230,000	0.0092
5	PZ-22	7/11/2023	656	15,200	23.2	OW-22	-0.23	370.47	0.0006	3.28E-04	210,000	0.0185	210,000	0.018	210,000	0.0185
6	PIW-7D	7/11/2023	524	16,000	30.5	OW-48	0.24	331.98	0.0000	3.28E-04	200,000	0	210,000	0	210,000	0
7	LTW-05	7/11/2023	672	11,800	19.4	OW-25	-0.34	398.47	0.0009	1.28E-04	190,000	0.0077	190,000	0.008	190,000	0.0077
8	OW-28	7/11/2023	594	15,500	26.0	OW-27	-0.33	216.60	0.0015	2.59E-04	17,000	0.0029	17,000	0.003	18,000	0.0031
9	OW-33	7/12/2023	1607	46,300	28.8	OW-30	0.27	297.99	0.0000	2.59E-04	31,000	0	31,000	0	32,000	0
										Total	--	0.0481	--	0.0481	--	0.0485

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 ATT3-2).

2 - Second paired well is east of the Barrier Wall remedy and west of the primary well.

3 - Groundwater elevation difference for hydraulic gradient based on water levels measured on July 20, 2023 (Figure ATT3-3).

4 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.

5 - Attachment C does not include Perfluoroheptanoic acid (PFHpa).

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

7 - Detailed PFAS Concentrations provided in Table A9.

8 - A value of zero represents a negative mass loading value (i.e., computed negative gradient).

-- not applicable

ft - feet

ft/sec - feet per second

ft² - square feet

mg/s - milligrams per second

ng/L - nanograms per liter

TABLE ATT3-2
JULY 2023 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Segment	Cross-sectional Area of Black Creek Aquifer ¹ (ft ²)	Hydraulic Gradient ^{1,2} (ft/ft)	Hydraulic Conductivity (ft/sec) ¹	Flow Upper Bound (ft ³ /sec)	Flow Upper Bound (gal /day)
1	13,400	0.0023	1.71E-04	5.23E-03	3,381
2	11,010	0.0009	1.71E-04	1.66E-03	1,070
3	5,560	0.0003	1.02E-04	1.56E-04	101
4	2,800	0.0049	1.02E-04	1.41E-03	912
5	15,200	0.0006	3.28E-04	3.10E-03	2,006
6	16,000	0.0000	3.28E-04	0	0
7	11,800	0.0009	1.28E-04	1.28E-03	830
8	15,500	0.0015	2.59E-04	6.10E-03	3,945
9	46,300	0.0000	2.59E-04	0	0
				0.019	12,245

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table ATT3-1.

2 - Hydraulic gradient based on water levels measured on July 20, 2023 (Figure ATT3-3).

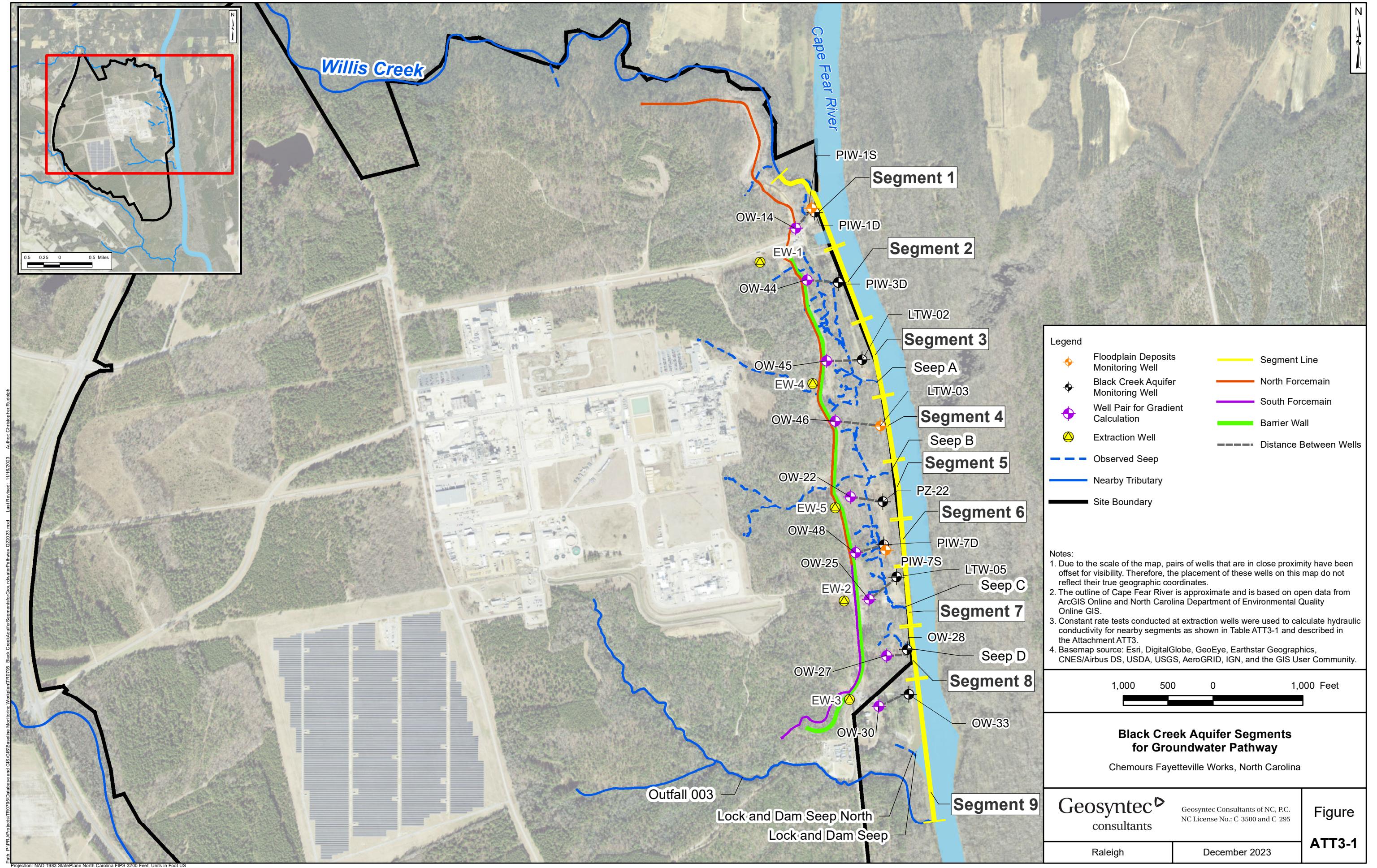
ft - feet

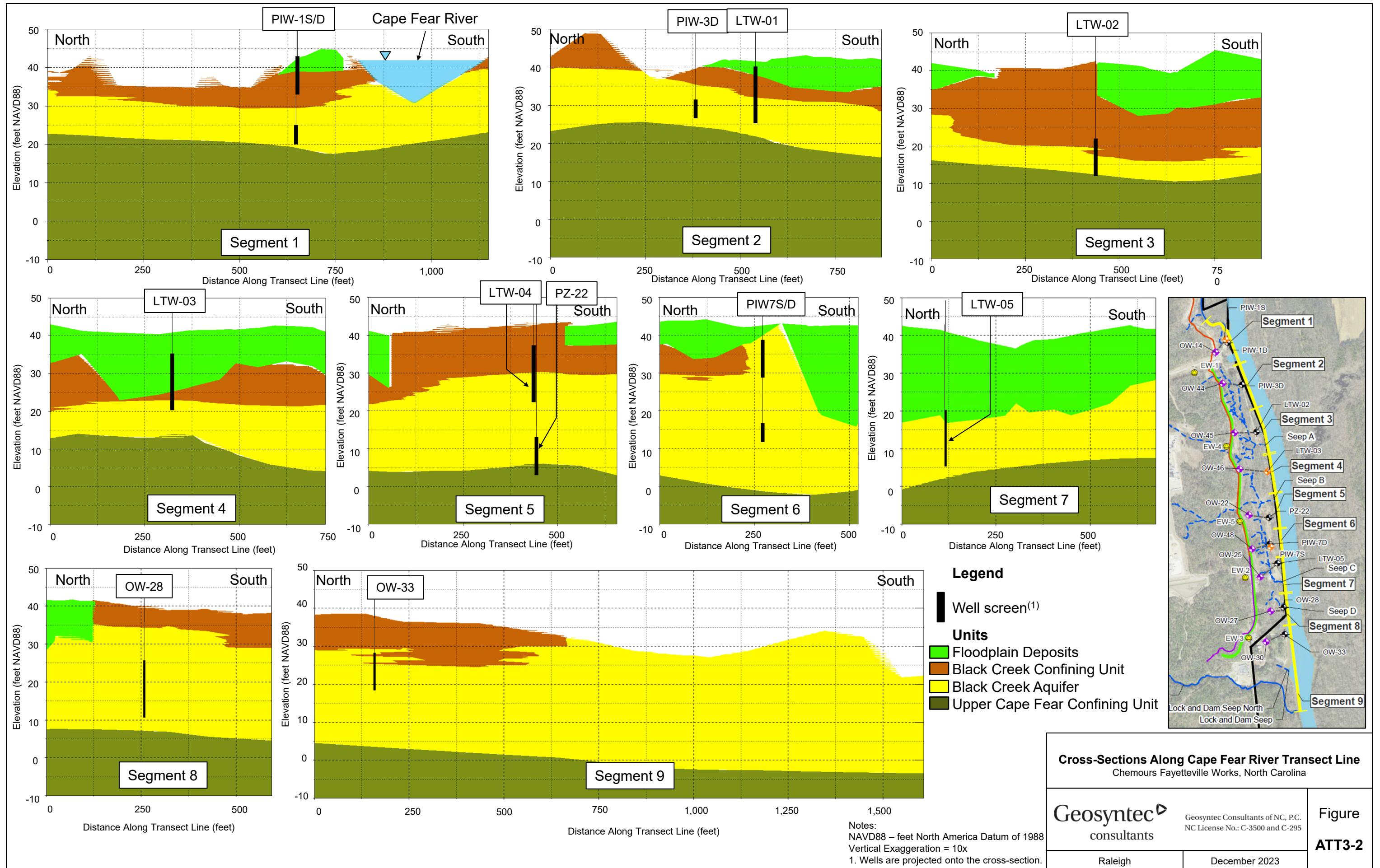
ft₂ - square feet

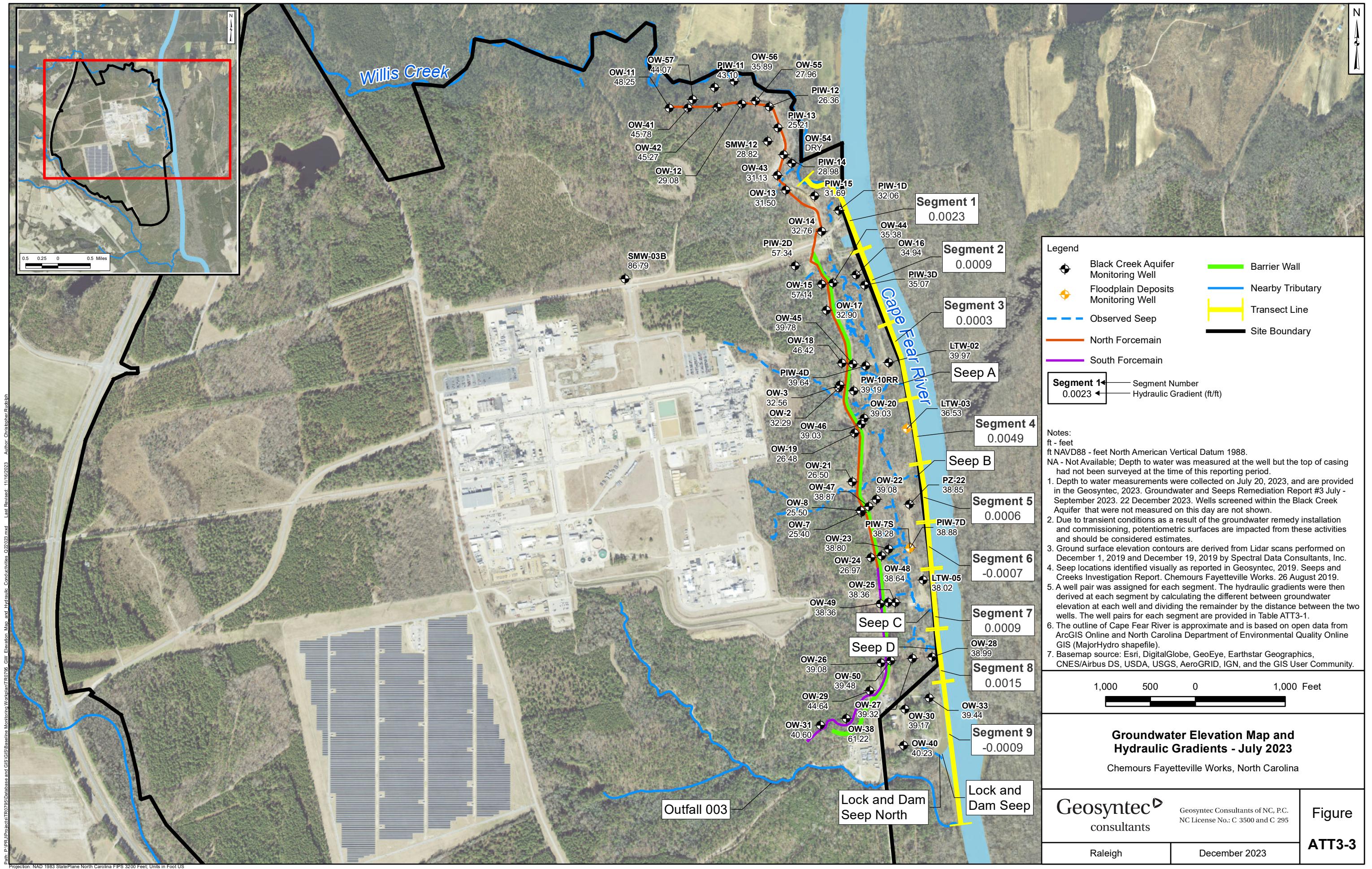
ft/sec - feet per second

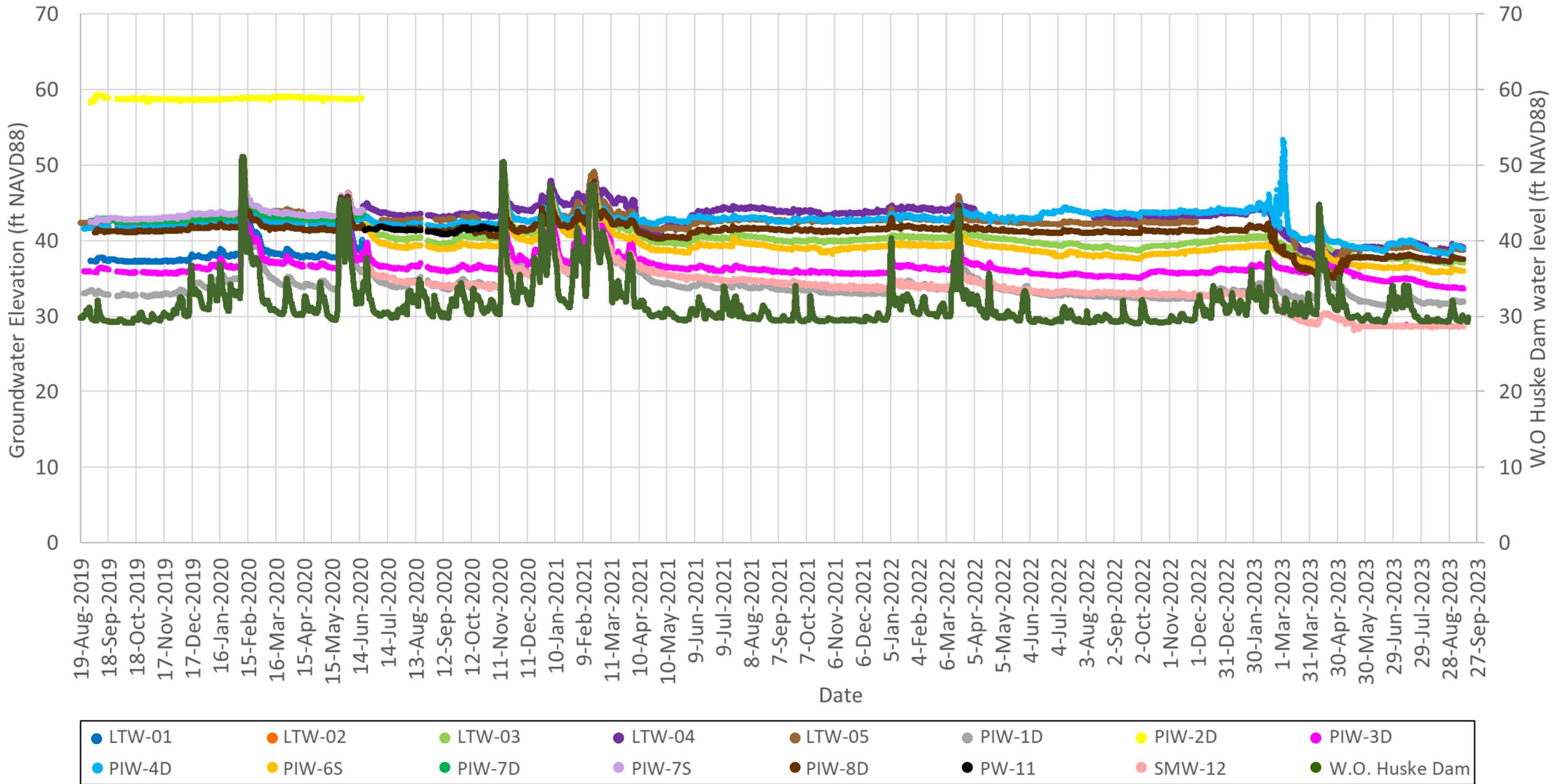
ft₃/sec - cubic feet per second

gal/day - gallons per day









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.
NC License No.: C 3500 and C 295

Figure
ATT3-4

Raleigh

December 2023

Appendix B

Supplemental Tables

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	03/31/20	03/31/20	04/02/20	04/02/20	04/03/20
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	03/28/20 1:00 AM	03/28/20 1:00 AM	-	03/31/20 1:00 PM	04/02/20 3:00 PM
Sample Stop Date and Time	03/31/20 12:00 PM	03/31/20 12:00 PM	-	04/02/20 1:00 PM	04/03/20 3:00 PM
Composite Duration (hours)	83	83	-	48	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	04/06/20	04/09/20	04/19/20	04/22/20	04/26/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	04/02/20 1:30 PM	04/05/20 11:32 PM	04/15/20 2:30 PM	04/19/20 2:30 AM	04/22/20 1:49 PM
Sample Stop Date and Time	04/06/20 12:30 AM	04/09/20 6:30 AM	04/19/20 1:30 AM	04/22/20 1:30 PM	04/26/20 12:49 AM
Composite Duration (hours)	83	79	83	83	83
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	04/29/20	05/02/20	05/06/20	05/11/20	05/13/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	04/26/20 12:49 AM	04/30/20 9:49 AM	05/03/20 12:49 AM	05/06/20 12:49 PM	05/09/20 11:49 PM
Sample Stop Date and Time	04/29/20 11:49 AM	05/02/20 11:49 PM	05/06/20 11:49 AM	05/09/20 11:49 PM	05/13/20 9:49 AM
Composite Duration (hours)	83	62	83	83	83
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	05/14/20	05/14/20	05/16/20	05/20/20	05/25/20
Sample Type	Grab	Composite	Composite	Composite	Grab
Sample Start Date and Time	-	05/13/20 9:50 PM	05/13/20 9:49 AM	05/16/20 9:49 PM	-
Sample Stop Date and Time	-	05/14/20 8:50 PM	05/16/20 7:49 PM	05/20/20 8:49 AM	-
Composite Duration (hours)	-	24	83	83	-
QA/QC					
Sample Matrix	Liquid	LIQUID	Liquid	Liquid	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	05/29/20	06/01/20	06/01/20	06/05/20	06/08/20
Sample Type	Grab	Grab	Grab	Grab	Composite
Sample Start Date and Time	-	-	-	-	06/05/20 11:06 AM
Sample Stop Date and Time	-	-	-	-	06/08/20 9:06 PM
Composite Duration (hours)	-	-	-	-	39
QA/QC			Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	06/12/20	06/15/20	06/19/20	06/22/20	06/26/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/08/20 10:06 PM	06/12/20 9:06 AM	06/15/20 8:06 PM	06/19/20 7:06 AM	06/22/20 6:06 PM
Sample Stop Date and Time	06/12/20 8:06 AM	06/15/20 7:06 PM	06/19/20 6:06 AM	06/22/20 5:06 PM	06/26/20 4:06 AM
Composite Duration (hours)	83	83	83	83	83
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	06/29/20	07/02/20	07/03/20	07/07/20	07/10/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/26/20 5:06 AM	06/29/20 4:06 PM	07/02/20 8:29 AM	07/06/20 8:29 AM	07/09/20 12:01 PM
Sample Stop Date and Time	06/29/20 3:06 PM	07/02/20 8:06 AM	07/03/20 7:29 AM	07/07/20 7:29 AM	07/10/20 11:01 AM
Composite Duration (hours)	83	65	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	07/10/20	07/13/20	07/16/20	07/20/20	07/23/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/09/20 12:01 PM	07/13/20 12:01 AM	07/16/20 12:01 AM	07/20/20 12:01 AM	07/23/20 12:01 AM
Sample Stop Date and Time	07/10/20 11:01 AM	07/13/20 11:01 PM	07/16/20 11:01 PM	07/20/20 11:01 PM	07/23/20 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	07/27/20	07/28/20	07/29/20	07/30/20	08/03/20
Sample Type	Composite	Grab	Composite	Composite	Grab
Sample Start Date and Time	07/27/20 12:01 AM	-	07/29/20 12:01 AM	07/30/20 12:01 AM	-
Sample Stop Date and Time	07/27/20 11:01 AM	-	07/29/20 11:01 PM	07/30/20 11:01 PM	-
Composite Duration (hours)	12	-	24	24	-
QA/QC					
Sample Matrix	Liquid	LIQUID	Liquid	Liquid	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	08/04/20	08/06/20	08/10/20	08/12/20	08/17/20
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	08/05/20 11:55 PM	08/09/20 10:38 PM	08/12/20 12:01 AM	08/17/20 12:01 AM
Sample Stop Date and Time	-	08/06/20 10:55 PM	08/10/20 9:56 PM	08/12/20 11:01 PM	08/17/20 11:01 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	08/20/20	08/25/20	08/27/20	08/27/20	08/31/20
Sample Type	Composite	Composite	Grab	Grab	Grab
Sample Start Date and Time	08/20/20 12:01 AM	08/25/20 12:01 AM	-	-	-
Sample Stop Date and Time	08/20/20 11:01 PM	08/25/20 11:01 PM	-	-	-
Composite Duration (hours)	24	24	-	-	-
QA/QC				Field Duplicate	
Sample Matrix	Liquid	Liquid	LIQUID	LIQUID	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	09/03/20	09/07/20	09/10/20	09/14/20	09/17/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/03/20 12:01 AM	09/07/20 12:01 AM	09/10/20 12:01 AM	09/14/20 12:01 AM	09/17/20 12:01 AM
Sample Stop Date and Time	09/03/20 11:01 PM	09/07/20 11:01 PM	09/10/20 11:01 PM	09/14/20 11:01 PM	09/17/20 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	09/18/20	09/21/20	09/24/20	09/24/20	09/25/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/18/20 12:01 AM	09/21/20 12:01 AM	09/24/20 12:01 AM	09/24/20 12:01 AM	09/25/20 12:01 AM
Sample Stop Date and Time	09/18/20 10:01 AM	09/21/20 11:01 PM	09/24/20 11:01 PM	09/24/20 11:01 PM	09/25/20 11:01 PM
Composite Duration (hours)	11	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	09/26/20	09/28/20	09/29/20	09/30/20	10/01/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/26/20 12:01 AM	09/28/20 12:01 AM	09/29/20 12:01 AM	09/30/20 12:01 AM	10/01/20 12:01 AM
Sample Stop Date and Time	09/26/20 11:01 PM	09/28/20 11:01 PM	09/29/20 11:01 PM	09/30/20 11:01 PM	10/01/20 5:01 PM
Composite Duration (hours)	24	24	24	24	18
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	10/06/20	10/08/20	10/12/20	10/15/20	10/19/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/06/20 2:30 PM	10/07/20 5:30 PM	10/12/20 12:01 AM	10/15/20 12:01 AM	10/19/20 12:01 AM
Sample Stop Date and Time	10/06/20 11:30 PM	10/08/20 4:30 PM	10/12/20 11:01 PM	10/15/20 11:01 PM	10/19/20 11:01 PM
Composite Duration (hours)	9	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	10/22/20	10/30/20	10/31/20	11/02/20	11/05/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/22/20 12:01 AM	10/30/20 12:01 PM	10/31/20 12:01 AM	11/02/20 12:01 AM	11/05/20 12:01 AM
Sample Stop Date and Time	10/22/20 11:01 PM	10/30/20 11:01 PM	10/31/20 11:01 PM	11/02/20 11:01 PM	11/05/20 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	11/09/20	11/11/20	11/12/20	11/13/20	11/18/20
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	11/09/20 12:01 AM	11/11/20 12:01 AM	11/12/20 12:01 AM	--	--
Sample Stop Date and Time	11/09/20 11:01 PM	11/11/20 11:01 PM	11/12/20 7:01 PM	--	--
Composite Duration (hours)	24	24	20	--	--
QA/QC					
Sample Matrix	Liquid	Liquid	LIQUID	LIQUID	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	11/20/20	11/24/20	11/24/20	11/26/20	11/26/20
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	--	11/24/20 12:01 AM	11/24/20 12:01 AM	11/26/20 12:01 AM	11/26/20 12:01 AM
Sample Stop Date and Time	--	11/24/20 11:01 PM	11/24/20 11:01 PM	11/26/20 11:01 PM	11/26/20 11:01 PM
Composite Duration (hours)	--	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	11/30/20	12/03/20	12/07/20	12/10/20	12/13/20
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/30/20 12:01 AM	12/03/20 12:01 AM	12/07/20 12:01 AM	12/10/20 12:01 AM	12/13/20 12:01 AM
Sample Stop Date and Time	11/30/20 11:01 PM	12/03/20 11:01 PM	12/07/20 11:01 PM	12/10/20 11:01 PM	12/13/20 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	12/14/20	12/15/20	12/16/20	12/17/20	12/21/20
Sample Type	Composite	Grab	Grab	Grab	Grab
Sample Start Date and Time	12/14/20 12:59 AM	--	--	--	--
Sample Stop Date and Time	12/14/20 11:59 AM	--	--	--	--
Composite Duration (hours)	12	--	--	--	--
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	12/23/20	12/24/20	12/28/20	12/30/20	01/06/21
Sample Type	Grab	Grab	Grab	Grab	Grab
Sample Start Date and Time	--	--	--	--	-
Sample Stop Date and Time	--	--	--	--	-
Composite Duration (hours)	--	--	--	--	-
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	01/07/21	01/11/21	01/14/21	01/21/21	01/22/21
Sample Type	Grab	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	-	01/21/21 12:01 AM	01/22/21 12:01 AM
Sample Stop Date and Time	-	-	-	01/21/21 11:01 PM	01/22/21 11:01 PM
Composite Duration (hours)	-	-	-	24	24
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	01/26/21	01/27/21	01/27/21	01/28/21	02/01/21
Sample Type	Grab	Composite	Composite	Composite	Grab
Sample Start Date and Time	-	01/26/21 4:10 PM	01/26/21 4:10 PM	01/28/21 12:01 AM	-
Sample Stop Date and Time	-	01/27/21 3:10 PM	01/27/21 3:10 PM	01/28/21 11:01 PM	-
Composite Duration (hours)	-	24	24	24	-
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	02/04/21	02/08/21	02/12/21	02/16/21	02/19/21
Sample Type	Grab	Grab	Composite	Grab	Grab
Sample Start Date and Time	-	-	02/11/21 12:01 AM	-	-
Sample Stop Date and Time	-	-	02/12/21 2:01 PM	-	-
Composite Duration (hours)	-	-	38	-	-
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	02/22/21	02/22/21	02/24/21	02/24/21	02/25/21
Sample Type	Grab	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-	-
Sample Stop Date and Time	-	-	-	-	-
Composite Duration (hours)	-	-	-	-	-
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	02/25/21	03/05/21	03/06/21	03/08/21	03/11/21
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	03/05/21 12:01 AM	03/06/21 12:01 AM	03/08/21 12:01 AM	03/11/21 12:01 AM
Sample Stop Date and Time	-	03/05/21 11:01 PM	03/06/21 11:01 PM	03/08/21 11:01 PM	03/11/21 11:01 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	03/15/21	03/18/21	03/24/21	03/24/21	03/24/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	03/15/21 12:01 AM	03/18/21 12:01 AM	03/24/21 12:01 AM	03/24/21 12:01 AM	03/24/21 12:01 AM
Sample Stop Date and Time	03/16/21 12:01 AM	03/18/21 11:01 PM	03/24/21 11:01 PM	03/24/21 11:01 PM	03/24/21 11:01 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	03/25/21	03/25/21	03/25/21	03/29/21	03/29/21
Sample Type	Composite	Composite	Composite	Grab	Composite
Sample Start Date and Time	03/25/21 12:01 AM	03/25/21 12:01 AM	03/25/21 12:01 AM	-	03/29/21 12:00 AM
Sample Stop Date and Time	03/25/21 11:01 PM	03/25/21 11:01 PM	03/25/21 11:01 PM	-	03/29/21 11:00 PM
Composite Duration (hours)	24	24	24	-	24
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	03/30/21	03/31/21	03/31/21	04/05/21	04/07/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	03/30/21 12:00 AM	03/31/21 12:00 AM	03/31/21 12:00 AM	04/05/21 12:00 AM	04/07/21 12:00 AM
Sample Stop Date and Time	03/30/21 11:00 PM	03/31/21 11:00 PM	03/31/21 11:00 PM	04/05/21 11:00 PM	04/07/21 11:00 PM
Composite Duration (hours)	21	24	24	24	24
QA/QC		Field Duplicate			
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	04/12/21	04/15/21	04/18/21	04/19/21	04/20/21
Sample Type	Composite	Composite	Composite	Composite	Grab
Sample Start Date and Time	04/12/21 12:00 AM	04/15/21 12:00 AM	04/18/21 12:00 AM	04/19/21 12:00 AM	-
Sample Stop Date and Time	04/12/21 11:00 PM	04/15/21 11:00 PM	04/18/21 11:00 PM	04/19/21 11:00 PM	-
Composite Duration (hours)	24	24	24	24	-
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	04/21/21	04/22/21	04/27/21	04/28/21	04/28/21
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	04/21/21 12:00 AM	04/22/21 12:00 AM	-	04/28/21 12:00 AM	04/28/21 12:00 AM
Sample Stop Date and Time	04/21/21 11:00 PM	04/22/21 11:00 PM	-	04/28/21 11:00 PM	04/28/21 11:00 PM
Composite Duration (hours)	5	24	-	24	24
QA/QC					Field Duplicate
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	05/03/21	05/06/21	05/10/21	05/10/21	05/12/21
Sample Type	Composite	Grab	Composite	Composite	Composite
Sample Start Date and Time	05/03/21 12:00 AM	-	05/10/21 12:00 AM	05/10/21 12:00 AM	05/12/21 12:00 AM
Sample Stop Date and Time	05/03/21 11:00 PM	-	05/10/21 11:00 PM	05/10/21 11:00 PM	05/12/21 11:00 PM
Composite Duration (hours)	24	-	24	24	24
QA/QC				Field Duplicate	
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	05/17/21	05/20/21	05/24/21	05/26/21	05/26/21
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	05/17/21 12:00 AM	05/20/21 12:00 AM	05/24/21 12:00 AM	-	-
Sample Stop Date and Time	05/17/21 11:00 PM	05/20/21 11:00 PM	05/24/21 11:00 PM	-	-
Composite Duration (hours)	24	24	24	-	-
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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	<2.0 UJ	<2.0 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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	05/27/21	05/27/21	06/02/21	06/03/21	06/07/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	05/27/21 12:00 AM	05/27/21 12:00 AM	06/02/21 12:00 AM	06/03/21 12:00 AM	06/07/21 12:00 AM
Sample Stop Date and Time	05/27/21 11:00 PM	05/27/21 11:00 PM	06/02/21 11:00 PM	06/03/21 11:00 PM	06/07/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	06/07/21	06/12/21	06/15/21	06/15/21	06/16/21
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	06/07/21 12:00 AM	06/12/21 12:00 AM	-	06/15/21 12:00 AM	06/16/21 12:00 AM
Sample Stop Date and Time	06/07/21 11:00 PM	06/12/21 11:00 PM	-	06/15/21 11:00 PM	06/16/21 11:00 PM
Composite Duration (hours)	24	24	-	24	24
QA/QC	Field Duplicate				
Sample Matrix					
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	06/17/21	06/22/21	06/24/21	07/01/21	07/02/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/17/21 12:00 AM	06/22/21 12:00 AM	06/24/21 12:00 AM	07/01/21 12:00 AM	07/02/21 12:00 AM
Sample Stop Date and Time	06/17/21 11:00 PM	06/22/21 11:00 PM	06/24/21 11:00 PM	07/01/21 11:00 PM	07/02/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	07/07/21	07/08/21	07/12/21	07/12/21	07/15/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/07/21 12:00 AM	07/08/21 12:00 AM	07/12/21 12:00 AM	07/12/21 12:00 AM	07/15/21 12:00 AM
Sample Stop Date and Time	07/07/21 11:00 PM	07/08/21 11:00 PM	07/12/21 11:00 PM	07/12/21 11:00 PM	07/15/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC				Field Duplicate	
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	07/19/21	07/22/21	07/26/21	07/28/21	07/28/21
Sample Type	Composite	Composite	Composite	Grab	Composite
Sample Start Date and Time	07/19/21 12:00 AM	07/22/21 12:00 AM	07/26/21 12:00 AM	-	07/28/21 12:00 AM
Sample Stop Date and Time	07/19/21 11:00 PM	07/22/21 11:00 PM	07/26/21 11:00 PM	-	07/28/21 11:00 PM
Composite Duration (hours)	24	24	24	-	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid		
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	07/29/21	08/02/21	08/05/21	08/12/21	08/12/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/29/21 12:00 AM	08/02/21 12:00 AM	08/05/21 12:00 AM	08/12/21 12:00 AM	08/12/21 12:00 AM
Sample Stop Date and Time	07/29/21 11:00 PM	08/02/21 11:00 PM	08/05/21 11:00 PM	08/12/21 11:00 PM	08/12/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	08/13/21	08/16/21	08/19/21	08/19/21	08/19/21
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	08/13/21 12:00 AM	08/16/21 12:00 AM	08/19/21 12:00 AM	-	-
Sample Stop Date and Time	08/13/21 11:00 PM	08/16/21 11:00 PM	08/19/21 11:00 PM	-	-
Composite Duration (hours)	24	24	24	-	-
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid		
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	08/20/21	08/20/21	08/23/21	08/26/21	08/29/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	08/20/21 12:00 AM	08/20/21 12:00 AM	08/23/21 12:00 AM	08/26/21 12:00 AM	08/29/21 12:00 AM
Sample Stop Date and Time	08/20/21 11:00 PM	08/20/21 11:00 PM	08/23/21 11:00 PM	08/26/21 11:00 PM	08/29/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix		Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	09/02/21	09/06/21	09/09/21	09/13/21	09/13/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/02/21 12:00 AM	09/06/21 12:00 AM	09/09/21 12:00 AM	09/13/21 12:00 AM	09/13/21 12:00 AM
Sample Stop Date and Time	09/02/21 11:00 PM	09/06/21 11:00 PM	09/09/21 11:00 PM	09/13/21 11:00 PM	09/13/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	09/15/21	09/15/21	09/16/21	09/20/21	09/21/21
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	-	09/15/21 12:00 AM	09/16/21 12:00 AM	09/20/21 12:00 AM	09/21/21 12:00 AM
Sample Stop Date and Time	-	09/15/21 11:00 PM	09/16/21 11:00 PM	09/20/21 11:00 PM	09/21/21 11:00 PM
Composite Duration (hours)	-	24	24	24	24
QA/QC					
Sample Matrix		Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	09/27/21	09/30/21	10/04/21	10/07/21	10/11/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/27/21 12:00 AM	09/30/21 12:00 AM	10/04/21 12:00 AM	10/07/21 12:00 AM	10/11/21 12:00 AM
Sample Stop Date and Time	09/27/21 11:00 PM	09/30/21 11:00 PM	10/04/21 11:00 PM	10/07/21 11:00 PM	10/11/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
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	10/11/21	10/15/21	10/18/21	10/21/21	10/25/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/11/21 12:00 AM	10/15/21 12:00 AM	10/18/21 12:00 AM	10/21/21 12:00 AM	10/25/21 12:00 AM
Sample Stop Date and Time	10/11/21 11:00 PM	10/15/21 11:00 PM	10/18/21 11:00 PM	10/21/21 11:00 PM	10/25/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	10/28/21	11/01/21	11/04/21	11/08/21	11/08/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/28/21 12:00 AM	11/01/21 12:00 AM	11/04/21 12:00 AM	11/08/21 12:00 AM	11/08/21 12:00 AM
Sample Stop Date and Time	10/28/21 11:00 PM	11/01/21 11:00 PM	11/04/21 11:00 PM	11/08/21 11:00 PM	11/08/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	11/11/21	11/15/21	11/18/21	11/22/21	11/25/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/11/21 12:00 AM	11/15/21 12:00 AM	11/18/21 12:00 AM	11/22/21 12:00 AM	11/25/21 12:00 AM
Sample Stop Date and Time	11/11/21 11:00 PM	11/15/21 11:00 PM	11/18/21 11:00 PM	11/22/21 11:00 PM	11/25/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	11/29/21	12/02/21	12/06/21	12/09/21	12/13/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/29/21 12:00 AM	12/02/21 12:00 AM	12/06/21 12:00 AM	12/09/21 12:00 AM	12/13/21 12:00 AM
Sample Stop Date and Time	11/29/21 11:00 PM	12/02/21 11:00 PM	12/06/21 11:00 PM	12/09/21 11:00 PM	12/13/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	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	12/16/21	12/20/21	12/23/21	12/27/21	12/30/21
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/16/21 12:00 AM	12/20/21 12:00 AM	12/23/21 12:00 AM	12/27/21 12:00 AM	12/30/21 12:00 AM
Sample Stop Date and Time	12/16/21 11:00 PM	12/20/21 11:00 PM	12/23/21 11:00 PM	12/27/21 11:00 PM	12/30/21 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
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
<i>Table 3+ SOP (ng/L)</i>					
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 B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-010222	CFR-TARHEEL-24-010322	CFR-TARHEEL-24-011122	CFR-TARHEEL-24-011322	CFR-TARHEEL-24-011922
Sample Date	01/02/22	01/03/22	01/11/22	01/13/22	01/19/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	01/02/22 12:00 AM	01/03/22 12:00 AM	01/11/22 12:00 AM	01/13/22 12:00 AM	01/19/22 12:00 AM
Sample Stop Date and Time	01/02/22 11:00 PM	01/03/22 11:00 PM	01/11/22 11:00 PM	01/13/22 11:00 PM	01/19/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					
Sample Delivery Group (SDG)	320-83755-1	320-83755-1	320-83911-1	320-83911-1	320-84220-1
Lab Sample ID	320-83755-1	320-83755-2	320-83911-1	320-83911-2	320-84220-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	9.3	21	4.3	3.7	3.3
PFMOAA	16	28	10	<2.0	5.2
PFO2HxA	11	20	5.2	4.7	3.2
PFO3OA	2.7	5.3	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	14	21	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	6.2 J	2.8 J	2.0 J	3.0 J
Hydrolyzed PSDA	3.3 J	14 J	3.3 J	2.2 J	2.6 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	3.2	4.1	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.4	3.4	3.9	4.1	4.4
Total Attachment C ^{1,2}	53	95	20	8.4	12
Total Table 3+ (17 compounds) ^{2,3}	56	99	20	8.4	12
Total Table 3+ (20 compounds) ²	60	120	26	13	17

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-011922-D	CFR-TARHEEL-15-012022	CFR-TARHEEL-24-012522	CFR-TARHEEL-24-012822	CFR-TARHEEL-24-013122
Sample Date	01/19/22	01/20/22	01/25/22	01/28/22	01/31/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	01/19/22 12:00 AM	01/20/22 12:00 AM	01/25/22 12:00 AM	01/28/22 12:00 AM	01/31/22 12:00 AM
Sample Stop Date and Time	01/19/22 11:00 PM	01/20/22 11:00 PM	01/25/22 11:00 PM	01/28/22 11:00 PM	01/31/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix					
Sample Delivery Group (SDG)	320-84220-1	320-84220-1	320-84487-1	320-84487-1	320-84700-1
Lab Sample ID	320-84220-2	320-84220-3	320-84487-1	320-84487-2	320-84700-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.5	2.9	4.2	4.8	6.6
PFMOAA	4.9	5.1	<2.0	8.0	13
PFO2HxA	4.0	3.1	3.7	5.0	7.1
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	10	13
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	2.1 J	2.8 J	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	2.9 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	2.8
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	4.0	3.6	3.8	4.0	4.7
Total Attachment C ^{1,2}	12	11	7.9	28	40
Total Table 3+ (17 compounds) ^{2,3}	12	11	7.9	28	43
Total Table 3+ (20 compounds) ²	15	14	7.9	28	45

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q1 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-020322	CFR-TARHEEL-24-020722	CFR-TARHEEL-24-020722-D	CFR-TARHEEL-24-021122	CFR-TARHEEL-24-021422
Sample Date	02/03/22	02/07/22	02/07/22	02/11/22	02/14/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	02/03/22 12:00 AM	02/07/22 12:00 AM	02/07/22 12:00 AM	02/11/22 12:00 AM	02/14/22 12:00 AM
Sample Stop Date and Time	02/03/22 11:00 PM	02/07/22 11:00 PM	02/07/22 11:00 PM	02/11/22 11:00 PM	02/14/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC		Field Duplicate			
Sample Matrix					
Sample Delivery Group (SDG)	320-84700-1	320-84700-1	320-84700-1	320-85103-1	320-85103-1
Lab Sample ID	320-84700-2	320-84700-3	320-84700-4	320-85103-1	320-85103-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	8.3	4.3	4.4	3.6	5.3
PFMOAA	19	9.0	9.4	5.5 J	7.7
PFO2HxA	11	4.8	5.1	3.6	7.3
PFO3OA	3.7	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	15	12	11	<10	11
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	3.0 J	<2.0	<2.0
Hydrolyzed PSDA	3.8 J	2.1 J	2.4 J	<2.0	2.3 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	2.7	4.0	3.9	<2.0	3.3
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.9	4.6	4.8	4.2	3.5
Total Attachment C ^{1,2}	57	30	30	13	31
Total Table 3+ (17 compounds) ^{2,3}	60	34	34	13	35
Total Table 3+ (20 compounds) ²	64	36	39	13	37

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-021822	CFR-TARHEEL-24-022622	CFR-TARHEEL-24-022722	CFR-TARHEEL-24-022822	CFR-TARHEEL-24-030322
Sample Date	02/18/22	02/26/22	02/27/22	02/28/22	03/03/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	02/18/22 12:00 AM	02/26/22 12:00 AM	02/27/22 12:00 AM	02/28/22 12:00 AM	03/03/22 12:00 AM
Sample Stop Date and Time	02/18/22 11:00 PM	02/26/22 11:00 PM	02/27/22 11:00 PM	02/28/22 11:00 PM	03/03/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					
Sample Delivery Group (SDG)	320-85290-1	320-85290-1	320-85290-1	320-85290-1	320-85714-1
Lab Sample ID	320-85290-1	320-85290-3	320-85290-2	320-85290-4	320-85714-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	<2.0	<2.0	<2.0	<2.0	2.9
PFMOAA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO2HxA	5.6 J	7.0	3.8	<2.0	3.9
PFO3OA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	12 J
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	2.0 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0 UJ	<2.0	<2.0	<2.0	5.1
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	4.7 J
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	3.4	3.2	<2.0	4.8
Total Attachment C ^{1,2}	5.6	7.0	3.8	ND	6.8
Total Table 3+ (17 compounds) ^{2,3}	5.6	7.0	3.8	ND	12
Total Table 3+ (20 compounds) ²	5.6	7.0	3.8	ND	31

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

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

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2022	Q1 2022	Q1 2022	Q1 2022	Q2 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032322	CFR-TARHEEL-032422	CFR-TARHEEL-24-032922	CFR-TARHEEL-24-033122	CFR-TARHEEL-24-040422
Sample Date	03/23/22	03/24/22	03/29/22	03/31/22	04/04/22
Sample Type	Composite	Grab	Composite	Composite	Composite
Sample Start Date and Time	03/23/22 12:00 AM	--	03/29/22 12:00 AM	03/31/22 12:00 AM	04/04/22 12:00 AM
Sample Stop Date and Time	03/23/22 11:00 PM	--	03/29/22 11:00 PM	03/31/22 11:00 PM	04/04/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix					Liquid
Sample Delivery Group (SDG)	320-86394-1	320-86394-1	320-86394-1	320-86394-1	320-86723-1
Lab Sample ID	320-86394-1	320-86394-2	320-86394-3	320-86394-4	320-86723-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.5	3.0	2.3	2.9	2.5
PFMOAA	8.9	3.2	3.1	3.5	<2.0
PFO2HxA	4.6	3.2	2.6	3.4	3.4
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	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	3.0	3.1	3.9	3.6	2.8
Total Attachment C ^{1,2}	17	9.4	8.0	9.8	5.9
Total Table 3+ (17 compounds) ^{2,3}	17	9.4	8.0	9.8	5.9
Total Table 3+ (20 compounds) ²	17	9.4	8.0	9.8	5.9

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022	Q2 2022	Q2 2022	Q2 2022	Q2 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-040722	CFR-TARHEEL-24-041122	CFR-TARHEEL-24-041122-D	CFR-TARHEEL-24-041522	CFR-TARHEEL-24-042122
Sample Date	04/07/22	04/11/22	04/11/22	04/15/22	04/21/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	04/07/22 12:00 AM	04/11/22 12:00 AM	04/11/22 12:00 AM	04/15/22 12:00 AM	04/21/22 12:00 AM
Sample Stop Date and Time	04/07/22 11:00 PM	04/11/22 11:00 PM	04/11/22 11:00 PM	04/15/22 11:00 PM	04/21/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC			Field Duplicate		
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-86723-1	320-86723-1	320-86723-1	320-87320-1	320-87320-1
Lab Sample ID	320-86723-2	320-86723-3	320-86723-4	320-87320-1	320-87320-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.9	4.9	4.4	5.3	<2.0
PFMOAA	8.5	10	11	<2.0	<2.0
PFO2HxA	5.4	5.7	6.0	6.4	<2.0
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	11	10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	11 J	4.3 J	5.2 J	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	2.1	2.2	2.7	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.6	2.3	2.1	2.4	3.3
Total Attachment C ^{1,2}	18	32	31	12	0.0
Total Table 3+ (17 compounds) ^{2,3}	18	34	34	14	0.0
Total Table 3+ (20 compounds) ²	29	38	39	14	0.0

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-042222	CFR-TARHEEL-24-042522	CFR-TARHEEL-24-042822	CFR-TARHEEL-24-050222	CFR-TARHEEL-24-050522
Sample Date	04/22/22	04/25/22	04/28/22	05/02/22	05/05/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	04/22/22 12:00 AM	04/25/22 12:00 AM	04/28/22 12:00 AM	05/02/22 12:00 AM	05/05/22 12:00 AM
Sample Stop Date and Time	04/22/22 11:00 PM	04/25/22 11:00 PM	04/28/22 11:00 PM	05/02/22 11:00 PM	05/05/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-87320-1	320-87533-1	320-87533-1	320-87533-1	320-87738-1
Lab Sample ID	320-87320-3	320-87533-1	320-87533-2	320-87533-3	320-87738-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	<2.0	5.3	4.6	7.3	8.1
PFMOAA	<2.0	<2.0	14	20	15
PFO2HxA	2.1	6.5	5.8	8.1	11
PFO3OA	<2.0	<2.0	<2.0	2.2	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	<10	11	<10	11	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	2.8 J	4.6 J	6.6 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	4.3	4.4	6.0	8.1
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	4.9	4.5	3.1	3.8	3.8
Total Attachment C ^{1,2}	2.1	23	24	49	37
Total Table 3+ (17 compounds) ^{2,3}	2.1	27	29	55	45
Total Table 3+ (20 compounds) ²	2.1	27	32	59	51

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022	Q2 2022	Q2 2022	Q2 2022	Q2 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-050922	CFR-TARHEEL-24-050922-D	CFR-TARHEEL-24-051322	CFR-TARHEEL-24-051622	CFR-TARHEEL-24-051922
Sample Date	05/09/22	05/09/22	05/13/22	05/16/22	05/19/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	05/09/22 12:00 AM	05/09/22 12:00 AM	05/13/22 12:00 AM	05/16/22 12:00 AM	05/19/22 12:00 AM
Sample Stop Date and Time	05/09/22 11:00 PM	05/09/22 11:00 PM	05/13/22 11:00 PM	05/16/22 11:00 PM	05/19/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-87738-1	320-87738-1	320-88168-1	320-88168-1	320-88168-1
Lab Sample ID	320-87738-2	320-87738-3	320-88168-1	320-88168-2	320-88168-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.3	5.5	5.7	6.6	5.7
PFMOAA	15	14	14	14	15
PFO2HxA	10	8.3	7.5	7.1	6.7
PFO3OA	2.5	2.0	2.1	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<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	3.8 J	6.9 J
Hydrolyzed PSDA	7.5 J	6.9 J	4.7 J	4.9 J	5.0 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	8.0	7.6	2.6	4.1	5.3
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.8	3.4	3.0	3.6	5.3
Total Attachment C ^{1,2}	34	30	29	28	27
Total Table 3+ (17 compounds) ^{2,3}	42	37	32	32	33
Total Table 3+ (20 compounds) ²	49	44	37	41	45

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-052322	CFR-TARHEEL-24-052622	CFR-TARHEEL-24-053022	CFR-TARHEEL-24-060222	CFR-TARHEEL-24-060622
Sample Date	05/23/22	05/26/22	05/30/22	06/02/22	06/06/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	05/23/22 12:00 AM	05/26/22 12:00 AM	05/30/22 12:00 AM	06/02/22 12:00 AM	06/06/22 12:00 AM
Sample Stop Date and Time	05/23/22 11:00 PM	05/26/22 11:00 PM	05/30/22 11:00 PM	06/02/22 11:00 PM	06/06/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-88586-1	320-88586-1	320-88586-1	320-88768-1	320-88768-1
Lab Sample ID	320-88586-1	320-88586-2	320-88586-3	320-88768-1	320-88768-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	8.9	3.0	<2.0	3.7	9.1
PFMOAA	22	8.6	<2.0	8.5	20
PFO2HxA	10	3.9	<2.0	3.8	10
PFO3OA	2.7	<2.0	<2.0	<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	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	4.2 J	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	6.0 J	3.7 J	<2.0	<2.0	7.2 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	4.0	6.6	<2.0	3.3	3.6
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	5.1	5.6	4.5	4.6	4.3
Total Attachment C ^{1,2}	44	16	0.0	16	42
Total Table 3+ (17 compounds) ^{2,3}	48	22	0.0	19	45
Total Table 3+ (20 compounds) ²	58	26	0.0	19	52

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022	Q2 2022	Q2 2022	Q2 2022	Q2 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-060622-D	CFR-TARHEEL-24-060922	CFR-TARHEEL-24-061322	CFR-TARHEEL-24-061622	CFR-TARHEEL-24-062022
Sample Date	06/06/22	06/09/22	06/13/22	06/16/22	06/20/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/06/22 12:00 AM	06/09/22 12:00 AM	06/13/22 12:00 AM	06/16/22 12:00 AM	06/20/22 12:00 AM
Sample Stop Date and Time	06/06/22 11:00 PM	06/09/22 11:00 PM	06/13/22 11:00 PM	06/16/22 11:00 PM	06/20/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-88768-1	320-89254-1	320-89254-1	320-89254-1	320-89531-1
Lab Sample ID	320-88768-3	320-89254-1	320-89254-2	320-89254-3	320-89531-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	12	11	8.5	8.0	9.7 J
PFMOAA	24	22	20	22	21 J
PFO2HxA	13	12	10	10	13 J
PFO3OA	3.3	3.2	2.6	2.6	3.2 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	10	<10	<10	<10	<10 UJ
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	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Hydrolyzed PSDA	8.3 J	4.7 J	6.5 J	6.8 J	<2.0 UJ
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	3.7	2.7	7.3	8.2	<2.0 UJ
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	<2.0	<2.0	2.0 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	5.2	4.7	3.5	4.0	3.9 J
Total Attachment C ^{1,2}	62	48	41	43	47
Total Table 3+ (17 compounds) ^{2,3}	66	51	48	51	47
Total Table 3+ (20 compounds) ²	74	56	55	60	47

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2022	Q2 2022	Q2 2022	Q3 2022	Q3 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-062322	CFR-TARHEEL-24-062722	CFR-TARHEEL-24-063022	CFR-TARHEEL-24-070422	CFR-TARHEEL-23-070822
Sample Date	06/23/22	06/27/22	06/30/22	07/04/22	07/08/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/23/22 12:00 AM	06/27/22 12:00 AM	06/30/22 12:00 AM	07/04/22 12:00 AM	07/08/22 12:00 AM
Sample Stop Date and Time	06/23/22 11:00 PM	06/27/22 11:00 PM	06/30/22 11:00 PM	07/04/22 11:00 PM	07/08/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-89531-1	320-89798-1	320-89798-1	320-90093-1	320-90093-1
Lab Sample ID	320-89531-2	320-89798-1	320-89798-2	320-90093-1	320-90093-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	9.1	11	11	<2.0 UJ	<2.0
PFMOAA	18	23	24	<2.0 UJ	8.5
PFO2HxA	11	13	13	<2.0 UJ	6.5
PFO3OA	2.9	3.0	3.5	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
PMPA	<10	<10	<10	<10 UJ	<10
PEPA	<20	<20	<20	<20 UJ	<20
PS Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
Hydrolyzed PSDA	<2.0	7.9 J	9.0 J	<2.0 UJ	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
NVHOS	<2.0	11	8.6	<2.0 UJ	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
PES	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	4.1	3.8	3.9	<2.0 UJ	5.1
Total Attachment C ^{1,2}	41	50	52	ND	15
Total Table 3+ (17 compounds) ^{2,3}	41	61	60	ND	15
Total Table 3+ (20 compounds) ²	41	69	69	ND	15

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-070922	CFR-TARHEEL-24-071122	CFR-TARHEEL-24-071422	CFR-TARHEEL-24-071822	CFR-TARHEEL-24-071822-D
Sample Date	07/09/22	07/11/22	07/14/22	07/18/22	07/18/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/09/22 12:00 AM	07/11/22 12:00 AM	07/14/22 12:00 AM	07/18/22 12:00 AM	07/18/22 12:00 AM
Sample Stop Date and Time	07/09/22 11:00 PM	07/11/22 11:00 PM	07/14/22 11:00 PM	07/18/22 11:00 PM	07/18/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-90170-1	320-90170-1	320-90170-1	320-90170-1	320-90170-1
Lab Sample ID	320-90170-1	320-90170-2	320-90170-3	320-90170-4	320-90170-5
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	14 J	6.2	7.1	7.2	6.9
PFMOAA	12 J	14	17	14	16
PFO2HxA	9.6 J	6.8	9.1	11	11
PFO3OA	2.3 J	<2.0	2.3	2.4	2
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	<10	11	12	11
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	12 J	<2.0	<2.0	<2.0	7.5 J
Hydrolyzed PSDA	10 J	6.9 J	10 J	12 J	11 J
R-PSDCA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	7.1 J	7.6	6.9	6.0	6.1
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0 UJ	<2.0	<2.0	<2.0	2.1 J
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	4.9 J	4.1	4.2	3.4	3.5
Total Attachment C ^{1,2}	38	27	47	47	47
Total Table 3+ (17 compounds) ^{2,3}	45	35	53	53	53
Total Table 3+ (20 compounds) ²	67	42	63	65	74

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022	Q3 2022	Q3 2022	Q3 2022	Q3 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP3Q22-CFR-TARHEEL-072022	CAP3Q22-CFR-TARHEEL-24-072122	CFR-TARHEEL-24-072122	CFR-TARHEEL-24-072522	CFR-TARHEEL-24-072822
Sample Date	07/20/22	07/21/22	07/21/22	07/25/22	07/28/22
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	--	07/21/22 12:00 AM	07/21/22 12:00 AM	07/25/22 12:00 AM	07/28/22 12:00 AM
Sample Stop Date and Time	--	07/21/22 11:00 PM	07/21/22 11:00 PM	07/25/22 11:00 PM	07/28/22 11:00 PM
Composite Duration (hours)	--	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-90299-1	320-90301-1	320-90585-1	320-90585-1	320-90775-1
Lab Sample ID	320-90299-5	320-90301-1	320-90585-1	320-90585-2	320-90775-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.5	7.7	13 J	9.6	7.5
PFMOAA	18 B	9.2 B	11 J	22	11
PFO2HxA	8.6 B	9.1 B	11 J	11	9.6
PFO3OA	2.0	2.1	2.2 J	2.3	2.4
PFO4DA	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	10	<10	<10 UJ	<10	<10
PEPA	<20	<20	<20 UJ	<20	<20
PS Acid	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
Hydrolyzed PSDA	8.6 J	<2.0	<2.0 UJ	6.6 J	<2.0
R-PSDCA	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
NVHOS	4.5	<2.0	<2.0 UJ	<2.0	4.9
EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PES	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	3.7	3.7	4.3 J	4.3	4.3
Total Attachment C ^{1,2}	45	28	37	45	31
Total Table 3+ (17 compounds) ^{2,3}	50	28	37	45	35
Total Table 3+ (20 compounds) ²	58	28	37	52	35

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022	Q3 2022	Q3 2022	Q3 2022	Q3 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-080122	CFR-TARHEEL-24-080422	CFR-TARHEEL-24-081022	CFR-TARHEEL-24-081022-D	CFR-TARHEEL-24-081222
Sample Date	08/01/22	08/04/22	08/10/22	08/10/22	08/12/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	08/01/22 12:00 AM	08/04/22 12:00 AM	08/10/22 12:00 AM	08/10/22 12:00 AM	08/12/22 12:00 AM
Sample Stop Date and Time	08/01/22 11:00 PM	08/04/22 11:00 PM	08/10/22 11:00 PM	08/10/22 11:00 PM	08/12/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC				Field Duplicate	
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-90775-1	320-90775-1	320-91082-1	320-91082-1	320-91082-1
Lab Sample ID	320-90775-2	320-90775-3	320-91082-1	320-91082-2	320-91082-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	11	7.6	9.6	9.4	8.5
PFMOAA	19	11	24 J	19	15
PFO2HxA	15	9.7	11	10	9.9
PFO3OA	3.4	2.2	2.8 J	2.7	2.4
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20 UJ	<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	<2.0	<2.0
Hydrolyzed PSDA	4.6 J	<2.0	10 J	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	4.1 J	<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 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	4.0	4.2	5.3	4.9	5.3
Total Attachment C ^{1,2}	48	31	47	41	36
Total Table 3+ (17 compounds) ^{2,3}	48	31	52	41	36
Total Table 3+ (20 compounds) ²	53	31	62	41	36

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-081522	CFR-TARHEEL-24-081822	CFR-TARHEEL-24-082222	CFR-TARHEEL-24-082522	CFR-TARHEEL-24-082922
Sample Date	08/15/22	08/18/22	08/22/22	08/25/22	08/29/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	08/15/22 12:00 AM	08/18/22 12:00 AM	08/22/22 12:00 AM	08/25/22 12:00 AM	08/29/22 12:00 AM
Sample Stop Date and Time	08/15/22 11:00 PM	08/18/22 11:00 PM	08/22/22 11:00 PM	08/25/22 11:00 PM	08/29/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-91082-1	320-91395-1	320-91395-1	320-91561-1	320-91561-1
Lab Sample ID	320-91082-4	320-91395-1	320-91395-2	320-91561-1	320-91561-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	7.2	6.5	6.0	<2.0	5.7
PFMOAA	14	12	12	6.8	13
PFO2HxA	7.4	9.1	7.4	<2.0	7.1
PFO3OA	<2.0	2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	9.8 J	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	9.6	<2.0	11	<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	9.7	5.0	6.8	4.5	3.6
Total Attachment C^{1,2}	29	30	25	6.8	26
Total Table 3+ (17 compounds)^{2,3}	38	30	36	6.8	26
Total Table 3+ (20 compounds)²	48	30	36	6.8	26

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-090122	CFR-TARHEEL-24-090522	CFR-TARHEEL-24-090822	CFR-TARHEEL-24-091222	CFR-TARHEEL-24-091222-D
Sample Date	09/01/22	09/05/22	09/08/22	09/12/22	09/12/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/01/22 12:00 AM	09/05/22 12:00 AM	09/08/22 12:00 AM	09/12/22 12:00 AM	09/12/22 12:00 AM
Sample Stop Date and Time	09/01/22 11:00 PM	09/05/22 11:00 PM	09/08/22 11:00 PM	09/12/22 11:00 PM	09/12/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					Field Duplicate
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-91795-1	320-91795-1	320-92166-1	320-92166-1	320-92166-1
Lab Sample ID	320-91795-1	320-91795-2	320-92166-1	320-92166-2	320-92166-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	8.4	9.0	8.8	3.0	3.0
PFMOAA	31	29	13	<2.0 UJ	<2.0
PFO2HxA	11	11	16	<2.0	2.8
PFO3OA	2.2	2.4	3.1	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<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	<2.0	<2.0
Hydrolyzed PSDA	5.0 J	4.4 J	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	11	7.8	12	<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	5.0	6.0	5.1	4.8	5.0
Total Attachment C ^{1,2}	53	51	41	3.0	5.8
Total Table 3+ (17 compounds) ^{2,3}	64	59	53	3.0	5.8
Total Table 3+ (20 compounds) ²	69	64	53	3.0	5.8

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2022	Q3 2022	Q3 2022	Q3 2022	Q3 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-091522	CFR-TARHEEL-24-091922	CFR-TARHEEL-24-092222	CFR-TARHEEL-24-092622	CFR-TARHEEL-092922
Sample Date	09/15/22	09/19/22	09/22/22	09/26/22	09/29/22
Sample Type	Composite	Composite	Composite	Composite	Grab
Sample Start Date and Time	09/15/22 12:00 AM	09/19/22 12:00 AM	09/22/22 12:00 AM	09/26/22 12:00 AM	--
Sample Stop Date and Time	09/15/22 11:00 PM	09/19/22 11:00 PM	09/22/22 11:00 PM	09/26/22 11:00 PM	--
Composite Duration (hours)	24	24	24	24	--
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-92348-1	320-92348-1	320-92585-1	320-92585-1	320-92933-1
Lab Sample ID	320-92348-1	320-92348-2	320-92585-1	320-92585-2	320-92933-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.6 J	7.1	8.7	10	11
PFMOAA	14 J	24	6.3	7.7	29
PFO2HxA	6.5 J	11	<2.0	9.3	18
PFO3OA	<2.0 UJ	2.6	3.2	4.1	4.1
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	14	<10	<10	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	6.8 J	6.4 J	5.9 J	5.9 J	<2.0
Hydrolyzed PSDA	13 J	7.6 J	<2.0	8.8 J	7.0 J
R-PSDCA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	2.4 J	4.4	11	5.5	6.6
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	4.7 J	2.8 J	<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	3.9 J	4.9	5.1	6.6	8.3
Total Attachment C ^{1,2}	25	59	18	31	77
Total Table 3+ (17 compounds) ^{2,3}	28	63	29	37	84
Total Table 3+ (20 compounds) ²	52	80	35	51	91

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022	Q4 2022	Q4 2022	Q4 2022	Q4 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-100522	CFR-TARHEEL-24-100722	CFR-TARHEEL-24-101022	CFR-TARHEEL-24-101022-D	CFR-TARHEEL-24-101322
Sample Date	10/05/22	10/07/22	10/10/22	10/10/22	10/13/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/05/22 12:00 AM	10/07/22 12:00 AM	10/10/22 12:00 AM	10/10/22 12:00 AM	10/13/22 12:00 AM
Sample Stop Date and Time	10/05/22 11:00 PM	10/07/22 11:00 PM	10/10/22 11:00 PM	10/10/22 11:00 PM	10/13/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC				Field Duplicate	
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-93125-1	320-93125-1	320-93125-1	320-93125-1	320-93407-1
Lab Sample ID	320-93125-1	320-93125-2	320-93125-3	320-93125-4	320-93407-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.7	5.7	8.4	8.5	9.1
PFMOAA	12	18	25	28	32
PFO2HxA	5.6	9.1	13	13	16
PFO3OA	<2.0	2.3	3.5	3.1	3.9
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	12	11	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	<2.0	<2.0	<2.0	6.7 J
Hydrolyzed PSDA	4.2 J	5.3 J	<2.0	7.6 J	10 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	2.3	<2.0	3.0	2.9	7.1
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	4.4	4.3	3.5	3.5	2.9
Total Attachment C ^{1,2}	21	35	62	64	76
Total Table 3+ (17 compounds) ^{2,3}	24	35	65	67	83
Total Table 3+ (20 compounds) ²	28	40	65	74	100

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-101722	CFR-TARHEEL-24-102022	CFR-TARHEEL-24-102422	CFR-TARHEEL-24-102722	CFR-TARHEEL-24-103122
Sample Date	10/17/22	10/20/22	10/24/22	10/27/22	10/31/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/17/22 12:00 AM	10/20/22 12:00 AM	10/24/22 12:00 AM	10/27/22 12:00 AM	10/31/22 12:00 AM
Sample Stop Date and Time	10/17/22 11:00 PM	10/20/22 11:00 PM	10/24/22 11:00 PM	10/27/22 11:00 PM	10/31/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-93407-1	320-93660-1	320-93660-1	320-93997-1	320-93997-1
Lab Sample ID	320-93407-2	320-93660-2	320-93660-1	320-93997-1	320-93997-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	8.8	11	13	12 J	14 J
PFMOAA	26	47	59	39 J	42 J
PFO2HxA	12	17	19	20 J	19 J
PFO3OA	2.5	4.4	5.0	5.5 J	4.6 J
PFO4DA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
PMPA	<10	10	12	12 J	13 J
PEPA	<20	<20	<20	<20 UJ	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
R-PSDA	7.5 J	7.1 J	8.1 J	3.6 J	12 J
Hydrolyzed PSDA	6.9 J	8.6 J	9.4 J	7.7 J	8.9 J
R-PSDCA	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
NVHOS	8.9	5.6	7.8	5.0 J	11 J
EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
R-EVE	<2.0	<2.0	2.7 J	<2.0 UJ	<2.0 UJ
PES	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	3.6	4.2	4.9	4.1 J	5.4 J
Total Attachment C ^{1,2}	49	89	110	89	93
Total Table 3+ (17 compounds) ^{2,3}	58	95	120	94	100
Total Table 3+ (20 compounds) ²	73	110	140	100	120

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022	Q4 2022	Q4 2022	Q4 2022	Q4 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-110322	CFR-TARHEEL-24-110722	CAP4Q22-CFR-TARHEEL-110922	CAP4Q22-CFR-TARHEEL-24-111022	CFR-TARHEEL-24-111222
Sample Date	11/03/22	11/07/22	11/09/22	11/10/22	11/12/22
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	11/03/22 12:00 AM	11/07/22 12:00 AM	11/09/22 9:00 AM	11/09/22 3:48 AM	11/12/22 12:00 AM
Sample Stop Date and Time	11/03/22 11:00 PM	11/07/22 11:00 PM	--	11/10/22 2:48 AM	11/12/22 11:00 PM
Composite Duration (hours)	24	24	--	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94322-1	320-94322-1	320-94321-1	320-94321-1	320-94573-1
Lab Sample ID	320-94322-1	320-94322-2	320-94321-3	320-94321-1	320-94573-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.8	7.8	9.3	9.0	14
PFMOAA	21	26	29	31	<2.0
PFO2HxA	11	13	18	16	22
PFO3OA	2.2	3.3	4.2	3.6	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	<10	<10	<10	13	14
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	<2.0	<2.0
Hydrolyzed PSDA	4.0 J	4.5 J	5.9 J	6.3 J	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	8.3	6.4	4.6	5.1	3.7
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	<2.0	<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	7.1	6.4	4.7	4.3	4.5
Total Attachment C ^{1,2}	41	50	61	73	54
Total Table 3+ (17 compounds) ^{2,3}	49	57	65	78	58
Total Table 3+ (20 compounds) ²	53	61	71	84	58

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022	Q4 2022	Q4 2022	Q4 2022	Q4 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-111422	CFR-TARHEEL-24-111422-D	CFR-TARHEEL-24-111722	CFR-TARHEEL-24-112122	CFR-TARHEEL-24-112422
Sample Date	11/14/22	11/14/22	11/17/22	11/21/22	11/24/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/14/22 12:00 AM	11/14/22 12:00 AM	11/17/22 12:00 AM	11/21/22 12:00 AM	11/24/22 12:00 AM
Sample Stop Date and Time	11/14/22 11:00 PM	11/14/22 11:00 PM	11/17/22 11:00 PM	11/21/22 11:00 PM	11/24/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94573-1	320-94573-1	320-94670-2	320-94670-2	320-94890-1
Lab Sample ID	320-94573-2	320-94573-3	320-94670-2	320-94670-1	320-94890-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	5.9	6.2	9.4 J	7.2 J	9.0
PFMOAA	<2.0 UJ	<2.0	25 J	18 J	16
PFO2HxA	7.7	8.1	12 J	8.8 J	13
PFO3OA	<2.0	<2.0	3.0 J	2.0 J	2.6
PFO4DA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PMPA	<10 UJ	<10	10 J	15 J	14
PEPA	<20	<20	<20 UJ	<20 UJ	<20
PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0	<2.0	<2.0 UJ	7.8 J	<2.0
Hydrolyzed PSDA	<2.0	<2.0	7.1 J	7.3 J	<2.0
R-PSDCA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
NVHOS	3.3	3.2	3.8 J	6.7 J	4.3
EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PES	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	5.0 J	7.1 J	6.0 J	5.1 J	5.0
Total Attachment C ^{1,2}	14	14	59	51	55
Total Table 3+ (17 compounds) ^{2,3}	17	18	63	58	59
Total Table 3+ (20 compounds) ²	17	18	70	73	59

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-112822	CFR-TARHEEL-24-120122	CFR-TARHEEL-24-120522	CFR-TARHEEL-24-120822	CFR-TARHEEL-24-121222
Sample Date	11/28/22	12/01/22	12/05/22	12/08/22	12/12/22
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/28/22 12:00 AM	12/01/22 12:00 AM	12/05/22 12:00 AM	12/08/22 12:00 AM	12/12/22 12:00 AM
Sample Stop Date and Time	11/28/22 11:00 PM	12/01/22 11:00 PM	12/05/22 11:00 PM	12/08/22 11:00 PM	12/12/22 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94890-1	320-94890-1	320-95117-1	320-95368-1	320-95368-1
Lab Sample ID	320-94890-1	320-94890-3	320-95117-1	320-95368-1	320-95368-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	7.1	3.4	2.7	12	3.3
PFMOAA	12	<2.0	5.6	13	8.5 J
PFO2HxA	11	3.4	3.4	7.8	5.5
PFO3OA	2.2	<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	12	11	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	2.5 J	<2.0
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	5.0	4.5	4.9	<2.0	<2.0
Total Attachment C ^{1,2}	44	18	12	33	17
Total Table 3+ (17 compounds) ^{2,3}	44	18	12	33	17
Total Table 3+ (20 compounds) ²	44	18	12	35	17

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022	Q4 2022	Q4 2022	Q4 2022
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-121222-D	CFR-TARHEEL-24-121722	CFR-TARHEEL-24-121922	CFR-TARHEEL-24-122222
Sample Date	12/12/22	12/17/22	12/19/22	12/22/22
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/12/22 12:00 AM	12/17/22 12:00 AM	12/19/22 12:00 AM	12/22/22 12:00 AM
Sample Stop Date and Time	12/12/22 11:00 PM	12/17/22 11:00 PM	12/19/22 11:00 PM	12/22/22 11:00 PM
Composite Duration (hours)	24	24	24	24
QA/QC	Field Duplicate			
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-95368-1	320-95534-1	320-95534-1	320-95616-1
Lab Sample ID	320-95368-3	320-95534-1	320-95534-2	320-95616-1
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	3.3	5.9	2.3	5.1
PFMOAA	8.4	<2.0	<2.0	<2.0
PFO2HxA	5.3	2.5	2.8	4.1
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0
Total Attachment C^{1,2}	17	8.4	5.1	9.2
Total Table 3+ (17 compounds)^{2,3}	17	10	5.1	9.2
Total Table 3+ (20 compounds)²	17	10	5.1	9.2

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2022	Q4 2022	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-122622	CFR-TARHEEL-24-122922	CFR-TARHEEL-24-010223	CFR-TARHEEL-24-010523	CFR-TARHEEL-24-010923
Sample Date	12/26/22	12/29/22	01/02/23	01/05/23	01/09/23
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/26/22 12:00 AM	12/29/22 12:00 AM	01/02/23 12:00 AM	01/05/23 12:00 AM	01/09/23 12:00 AM
Sample Stop Date and Time	12/26/22 11:00 PM	12/29/22 11:00 PM	01/02/23 11:00 PM	01/05/23 11:00 PM	01/09/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-95616-1	320-95803-1	320-95803-1	320-95803-1	320-95935-1
Lab Sample ID	320-95616-2	320-95803-3	320-95803-2	320-95803-1	320-95935-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	2.4	2.2 J	4.2	3.2	4.5
PFMOAA	<2.0	<5.0 UJ	<5.0	<5.0	<5.0
PFO2HxA	2.5	4.4 J	10	5.0	<2.0 UJ
PFO3OA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0 UJ
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	16 J	19	14	<10 UJ
PEPA	<20	<20 UJ	<20	<20	<20 UJ
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	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0 UJ	<2.0	<2.0	<2.0 UJ
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	<2.0	<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 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	4.0 J	4.0	3.3	4.7
Total Attachment C ^{1,2}	4.9	23	33	22	4.5
Total Table 3+ (17 compounds) ^{2,3}	4.9	23	33	22	4.5
Total Table 3+ (20 compounds) ²	4.9	23	33	22	4.5

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q1 2023	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-010923-D	CFR-TARHEEL-24-011223	CFR-TARHEEL-011723	CFR-TARHEEL-24-011923	CFR-TARHEEL-24-012323
Sample Date	01/09/23	01/12/23	01/17/23	01/19/23	01/23/23
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	01/09/23 12:00 AM	01/12/23 12:00 AM	01/17/23 1:00 PM	01/19/23 12:00 AM	01/23/23 12:00 AM
Sample Stop Date and Time	01/09/23 11:00 PM	01/12/23 11:00 PM	--	01/19/23 11:00 PM	01/23/23 11:00 PM
Composite Duration (hours)	24	24	0	24	24
QA/QC	Field Duplicate				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-95935-1	320-96111-1	320-96111-1	320-96311-1	320-96311-1
Lab Sample ID	320-95935-2	320-96111-1	320-96111-2	320-96311-1	320-96311-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	2.8	2.9	3.1	3.8	34
PFMOAA	<5.0	8.0	4.8	<2.0	5.4
PFO2HxA	2.3	4.1	3.0	3.5	11
PFO3OA	<2.0	<2.0	<2.0	<2.0	2.6
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<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	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	3.5 J
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	3.3	3.3	3.6	4.1	4.2
Total Attachment C ^{1,2}	5.1	15	11	7.3	53
Total Table 3+ (17 compounds) ^{2,3}	5.1	15	11	7.3	53
Total Table 3+ (20 compounds) ²	5.1	15	11	7.3	57

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q1 2023	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-012323	CFR-TARHEEL-24-012623	CFR-TARHEEL-24-012623	CFR-TARHEEL-013123	CFR-TARHEEL-24-020223
Sample Date	01/23/2023	01/26/23	01/26/2023	01/31/23	02/02/23
Sample Type	Composite	Composite	Composite	Grab	Composite
Sample Start Date and Time	01/23/23 12:00 AM	01/26/23 12:00 AM	01/26/23 12:00 AM	01/31/23 12:18 PM	02/02/23 12:00 AM
Sample Stop Date and Time	01/23/23 11:00 PM	01/26/23 11:00 PM	01/26/23 11:00 PM	--	02/02/23 11:00 PM
Composite Duration (hours)	24	24	24	0	24
QA/QC	Reanalyzed		Reanalyzed		
Sample Matrix	Liquid	LIQUID	Liquid	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-96311-2	320-96456-1	320-96456-2	320-96456-1	320-96707-1
Lab Sample ID	320-96311-2	320-96456-1	320-96456-1	320-96456-2	320-96707-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	32 J	23	22 J	5.7	6.1
PFMOAA	21 J	9.1	<2.0 UJ	5.1	6.1
PFO2HxA	12 J	5.6	6.3 J	2.7	2.9
PFO3OA	2.3 J	<2.0	<2.0 UJ	<2.0	<2.0
PFO4DA	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	15 J	19	<10 UJ	14	<10
PEPA	<20 UJ	<20	<20 UJ	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	3.1 J	4.6 J	3.4 J	4.0 J	4.2 J
Hydrolyzed PSDA	7.9 J	6.7 J	6.7 J	2.1 J	3.6 J
R-PSDCA	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
NVHOS	2.9 J	<2.0	<2.0 UJ	<2.0	<2.0
EVE Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0 UJ	4.2 J	2.5 J	<2.0	2.4 J
PES	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	3.9 J	4	2.8 J	3.7	4.1
Total Attachment C ^{1,2}	82	57	28	28	15
Total Table 3+ (17 compounds) ^{2,3}	85	57	28	28	15
Total Table 3+ (20 compounds) ²	96	72	41	34	25

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q1 2023	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-020623	CFR-TARHEEL-24-020823	CFR-TARHEEL-24-021223	CAP1Q23-CFR-TARHEEL-021323	CAP1Q23-CFR-TARHEEL-021323-D
Sample Date	02/06/23	02/08/23	02/12/23	02/13/23	02/13/23
Sample Type	Composite	Composite	Composite	Grab	Grab
Sample Start Date and Time	02/06/23 12:00 AM	02/08/23 12:00 AM	02/12/23 12:00 AM	02/13/23 15:30	02/13/23 15:30
Sample Stop Date and Time	02/06/23 11:00 PM	02/08/23 11:00 PM	02/12/23 11:00 PM	--	--
Composite Duration (hours)	24	24	24	0	0
QA/QC					Field Duplicate
Sample Matrix	LIQUID	LIQUID	LIQUID		
Sample Delivery Group (SDG)	320-96707-1	320-96707-1	320-96851-1	320-96850-1	320-96850-1
Lab Sample ID	320-96707-2	320-96707-3	320-96851-1	320-96850-5	320-96850-6
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.8	4.4	6.1	<2.0	2.0
PFMOAA	6.1	8.2	13	<2.0	2.4
PFO2HxA	3.2	4.2	5.8	<2.0	<2.0
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	14	13
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	6.2 J	4.6 J	<2.0	<2.0	<2.0
Hydrolyzed PSDA	3.9 J	2.5 J	4.3 J	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	2.0	2.2	<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	3.0 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	3.0	3.1	2.7	2.6	2.5
Total Attachment C ^{1,2}	14	17	25	14	17
Total Table 3+ (17 compounds) ^{2,3}	14	17	27	16	17
Total Table 3+ (20 compounds) ²	27	24	31	16	17

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q1 2023	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-021523	CFR-TARHEEL-24-022023	CFR-TARHEEL-24-022023-D	CAP1Q23-CFR-TARHEEL-022223	CFR-TARHEEL-24-022323
Sample Date	02/15/23	02/20/23	02/20/23	02/22/2023	02/23/23
Sample Type	Grab	Composite	Composite	Grab	Composite
Sample Start Date and Time	02/15/23 9:22 AM	02/20/23 12:00 AM	02/20/23 12:00 AM	02/22/23 13:20	02/23/23 12:00 AM
Sample Stop Date and Time	--	02/20/23 11:00 PM	02/20/23 11:00 PM	--	02/23/23 11:00 PM
Composite Duration (hours)	0	24	24	0	24
QA/QC		Field Duplicate			
Sample Matrix	LIQUID	LIQUID	LIQUID		LIQUID
Sample Delivery Group (SDG)	320-96851-1	320-97131-1	320-97131-1	320-97412-1	320-97131-1
Lab Sample ID	320-96851-2	320-97131-1	320-97131-2	320-97412-1	320-97131-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	<2.0	2.7	2.7	2.1	4.1
PFMOAA	2.6	<2.0	<2.0	<2.0	<2.0
PFO2HxA	<2.0	2.7	2.7	2.2	2.8
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	4.5 J	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	2.7 J	<2.0	<2.0
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	<2.0	4.9	4.7	3.8	3.5
Total Attachment C ^{1,2}	2.6	5.4	5.4	4.3	6.9
Total Table 3+ (17 compounds) ^{2,3}	2.6	5.4	5.4	4.3	6.9
Total Table 3+ (20 compounds) ²	2.6	5.4	13	4.3	6.9

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-022723	CFR-TARHEEL-24-030223	CFR-TARHEEL-24-030623	CFR-TARHEEL-24-030923	CFR-TARHEEL-24-031323
Sample Date	02/27/23	03/02/23	03/06/23	03/09/23	03/13/23
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	02/27/23 12:00 AM	03/02/23 12:00 AM	03/06/23 12:00 AM	03/09/23 12:00 AM	03/13/23 12:00 AM
Sample Stop Date and Time	02/27/23 11:00 PM	03/02/23 11:00 PM	03/06/23 11:00 PM	03/09/23 11:00 PM	03/13/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-97428-1	320-97428-1	320-97830-1	320-97830-1	320-97830-1
Lab Sample ID	320-97428-1	320-97428-2	320-97830-1	320-97830-2	320-97830-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.5	4.0	2.2	15	4.5
PFMOAA	8.5	8.1	<2.0	<2.0	<2.0
PFO2HxA	3.9	4.4	2.5	6.0	6.5
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	20	12
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	8.7 J	<2.0
Hydrolyzed PSDA	2.1 J	3.7 J	<2.0	15 J	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	2.6	4.0	<2.0	2.1	<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	6.0 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	3.4	3.5	3.3	4.8	3.1
Total Attachment C ^{1,2}	17	17	4.7	41	23
Total Table 3+ (17 compounds) ^{2,3}	20	21	4.7	43	23
Total Table 3+ (20 compounds) ²	22	24	4.7	73	23

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q1 2023	Q1 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-031623	CFR-TARHEEL-24-032023	CFR-TARHEEL-24-032023-D	CFR-TARHEEL-24-032323	CFR-TARHEEL-24-032723
Sample Date	03/16/23	03/20/23	03/20/23	03/23/23	03/27/23
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	03/16/23 12:00 AM	03/20/23 12:00 AM	03/20/23 12:00 AM	03/23/23 12:00 AM	03/27/23 12:00 AM
Sample Stop Date and Time	03/16/23 11:00 PM	03/20/23 11:00 PM	03/20/23 11:00 PM	03/23/23 11:00 PM	03/27/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC			Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-97997-1	320-97997-1	320-97997-1	320-98446-1	320-98446-1
Lab Sample ID	320-97997-1	320-97997-2	320-97997-3	320-98446-1	320-98446-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.1	8.1 J	4.4 J	3.3	6.8
PFMOAA	<2.0	5.7	5.6	<2.0	9.0
PFO2HxA	3.2	4.8	4.5	3.1	6.5
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	2.6 J	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	3.1	4.1	3.5	3.1	4.2
Total Attachment C ^{1,2}	6.3	19	15	6.4	22
Total Table 3+ (17 compounds) ^{2,3}	6.3	19	15	6.4	22
Total Table 3+ (20 compounds) ²	8.9	19	15	6.4	22

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2023	Q2 2023	Q2 2023	Q2 2023	Q2 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-033023	CFR-TARHEEL-24-040323	CFR-TARHEEL-24-040623	CFR-TARHEEL-18-040823	CFR-TARHEEL-041023
Sample Date	03/30/2023	04/03/2023	04/06/2023	04/08/2023	04/10/2023
Sample Type	Composite	Composite	Composite	Composite	Grab
Sample Start Date and Time	03/30/23 12:00 AM	04/03/23 12:00 AM	04/06/23 12:00 AM	04/08/23 12:00 AM	04/10/23 1:00 PM
Sample Stop Date and Time	03/30/23 11:00 PM	04/03/23 11:00 PM	04/06/23 11:00 PM	04/08/23 11:00 PM	--
Composite Duration (hours)	24	24	24	18	0
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-98715-1	320-98715-1	320-98715-1	320-98947-1	320-98947-1
Lab Sample ID	320-98715-1	320-98715-2	320-98715-3	320-98947-1	320-98947-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	2.1	2.8	3.3	7.6	4.1
PFMOAA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO2HxA	2.3	3.8	3.8	4.2	<2.0
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	2.6	2.7
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	2.3	2.5
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.2	3.0	3.1	3.0	<2.0
Total Attachment C ^{1,2}	4.4	6.6	7.1	14	6.8
Total Table 3+ (17 compounds) ^{2,3}	4.4	6.6	7.1	17	9.3
Total Table 3+ (20 compounds) ²	4.4	6.6	7.1	17	9.3

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023	Q2 2023	Q2 2023	Q2 2023	Q2 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-041123	CFR-TARHEEL-041323	CFR-TARHEEL-24-041723	CFR-TARHEEL-24-041723-D	CFR-TARHEEL-24-042023
Sample Date	04/11/2023	04/13/2023	04/17/2023	04/17/2023	04/20/2023
Sample Type	Grab	Grab	Composite	Field Duplicate	Composite
Sample Start Date and Time	4/10/2023 14:00:00 pM	4/10/2023 1:35:00 pM	04/17/23 12:00 AM	04/17/23 12:00 AM	04/20/23 12:00 AM
Sample Stop Date and Time	--	--	04/17/23 11:00 PM	04/17/23 11:00 PM	04/20/23 11:00 PM
Composite Duration (hours)	0	0	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-98947-1	320-98947-1	320-99181-1	320-99181-1	320-99660-1
Lab Sample ID	320-98947-3	320-98947-4	320-99181-1	320-99181-2	320-99660-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	5.2	9.7	<2.0	<2.0	<2.0
PFMOAA	<2.0	<2.0	<2.0 UJ	<2.0	<2.0
PFO2HxA	<2.0	2.3	<2.0	<2.0	2.2
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	2.2	2.8	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	2.3	3.9	<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	2.5	3.4	3.6	3.9
Total Attachment C^{1,2}	7.4	15	ND	ND	2.2
Total Table 3+ (17 compounds)^{2,3}	9.7	19	ND	ND	2.2
Total Table 3+ (20 compounds)²	9.7	19	ND	ND	2.2

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-042423	CFR-TARHEEL-24-042723	CFR-TARHEEL-24-050123	CFR-TARHEEL-24-050423	CFR-TARHEEL-24-050823
Sample Date	04/24/2023	04/27/2023	05/01/2023	05/04/2023	05/08/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	04/24/23 12:00 AM	04/27/23 12:00 AM	05/01/23 12:00 AM	05/04/23 12:00 AM	05/08/23 12:00 AM
Sample Stop Date and Time	04/24/23 11:00 PM	04/27/23 11:00 PM	05/01/23 11:00 PM	05/04/23 11:00 PM	05/08/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-99660-1	320-99885-1	320-99885-1	320-100275-1	320-100275-1
Lab Sample ID	320-99660-2	320-99885-1	320-99885-2	320-100275-1	320-100275-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	<2.0	2.6	2.4	4.0	3.0
PFMOAA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFO2HxA	3.4	4.1	3.1	<2.0	2.2
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
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 UJ
Perfluoroheptanoic Acid	3.7	2.5	2.9	2.8	4.0
Total Attachment C^{1,2}	3.4	6.7	5.5	4.0	5.2
Total Table 3+ (17 compounds)^{2,3}	3.4	6.7	5.5	4.0	5.2
Total Table 3+ (20 compounds)²	3.4	6.7	5.5	4.0	5.2

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023	Q2 2023	Q2 2023	Q2 2023	Q2 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-050823-D	CFR-TARHEEL-24-051123	CAP2Q23-CFR-TARHEEL-051123	CAP2Q23-CFR-TARHEEL-24-051223	CFR-TARHEEL-24-051523
Sample Date	05/08/2023	05/11/2023	05/11/2023	05/12/2023	05/15/2023
Sample Type	Composite	Composite	Grab	Composite	Composite
Sample Start Date and Time	05/08/23 12:00 AM	05/11/23 12:00 AM	05/11/23 5:20 PM	05/11/23 4:30 PM	05/15/23 12:00 AM
Sample Stop Date and Time	05/08/23 11:00 PM	05/11/23 11:00 PM	--	05/12/23 3:30 PM	05/15/23 11:00 PM
Composite Duration (hours)	24	24	0	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid			Liquid
Sample Delivery Group (SDG)	320-100275-1	320-100608-1	320-100312-1	320-100446-1	320-100608-1
Lab Sample ID	320-100275-3	320-100608-1	320-100312-1	320-100446-4	320-100608-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.3	4.0 J	4.1	5.3 J	4.2
PFMOAA	<2.0	5.9 J	<2.0	7.3 J	8.5
PFO2HxA	2.0	3.1 J	3.9	4.1 J	3.7
PFO3OA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PMPA	<10	<10 UJ	<10	<10 UJ	<10
PEPA	<20	<20 UJ	<20	<20 UJ	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
R-PSDA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
NVHOS	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	3.9	2.1 J	3.8	3.8	<2.0
Total Attachment C ^{1,2}	6.3	13	8	17	16
Total Table 3+ (17 compounds) ^{2,3}	6.3	13	8	17	16
Total Table 3+ (20 compounds) ²	6.3	13	8	17	16

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-051823	CFR-TARHEEL-24-052223	CFR-TARHEEL-24-052523	CFR-TARHEEL-24-052923	CFR-TARHEEL-24-060223
Sample Date	05/18/2023	05/22/2023	05/25/2023	05/29/2023	06/02/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	05/18/23 12:00 AM	05/22/23 12:00 AM	05/25/23 12:00 AM	05/29/23 12:00 AM	06/02/23 12:00 AM
Sample Stop Date and Time	05/18/23 11:00 PM	05/22/23 11:00 PM	05/25/23 11:00 PM	05/29/23 11:00 PM	06/02/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-100783-1	320-100783-1	320-100993-1	320-100993-1	320-101275-1
Lab Sample ID	320-100783-1	320-100783-2	320-100993-1	320-100993-2	320-101275-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.4	4.6	4.1 J	10 J	4.5
PFMOAA	6.0	6.6	9.1 J	14 J	<2.0
PFO2HxA	3.9	3.7	4.8 J	8.2 J	4.1
PFO3OA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PMPA	<10	<10	<10 UJ	11 J	12
PEPA	<20	<20	<20 UJ	<20 UJ	<20
PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0	<2.0	<2.0 UJ	2.0 J	4.0 J
Hydrolyzed PSDA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-PSDCA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
NVHOS	<2.0	<2.0	<2.0 UJ	<2.0 UJ	3.3
EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PES	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	3.2 J	3.3 J	3.5
Total Attachment C ^{1,2}	14	15	18	43	21
Total Table 3+ (17 compounds) ^{2,3}	14	15	18	43	24
Total Table 3+ (20 compounds) ²	14	15	18	45	28

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023	Q2 2023	Q2 2023	Q2 2023	Q2 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-060623	CFR-TARHEEL-24-060923	CFR-TARHEEL-24-061223	CFR-TARHEEL-24-061223-D	CFR-TARHEEL-24-061523
Sample Date	06/06/2023	06/09/2023	06/12/2023	06/12/2023	06/15/2023
Sample Type	Grab	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/06/23 11:05 AM	06/09/23 12:00 AM	06/12/23 12:00 AM	06/12/23 12:00 AM	06/15/23 12:00 AM
Sample Stop Date and Time	--	06/09/23 11:00 PM	06/12/23 11:00 PM	06/12/23 11:00 PM	06/15/23 11:00 PM
Composite Duration (hours)	0	24	24	24	24
QA/QC				Field Duplicate	
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-101275-1	320-101516-1	320-101516-1	320-101516-1	320-101796-1
Lab Sample ID	320-101275-2	320-101516-1	320-101516-2	320-101516-3	320-101796-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.8	7.6	6.1	6.6	5.1
PFMOAA	<2.0	13	13	10	14
PFO2HxA	5.5	8.5	8.4 J	5.9 J	6.6
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	15	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	5.4 J	2.1 J	<2.0	<2.0	<2.0
Hydrolyzed PSDA	2.4 J	<2.0	2.1 J	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	2.9	<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	3.5	4.2	3.1	3.0	3.3
Total Attachment C ^{1,2}	25	31	28	23	26
Total Table 3+ (17 compounds) ^{2,3}	28	31	28	23	26
Total Table 3+ (20 compounds) ²	36	33	30	23	26

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2023	Q2 2023	Q2 2023	Q2 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-061923	CFR-TARHEEL-24-062223	CFR-TARHEEL-24-062623	CFR-TARHEEL-24-062923	CFR-TARHEEL-24-070323
Sample Date	06/19/2023	06/22/2023	06/26/2023	06/29/2023	07/03/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	06/19/23 12:00 AM	06/22/23 12:00 AM	06/26/23 12:00 AM	06/29/23 12:00 AM	07/03/23 12:00 AM
Sample Stop Date and Time	06/19/23 11:00 PM	06/22/23 11:00 PM	06/26/23 11:00 PM	06/29/23 11:00 PM	07/03/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-101796-1	320-102143-1	320-102143-1	320-102369-1	320-102524-1
Lab Sample ID	320-101796-2	320-102143-1	320-102143-2	320-102369-1	320-102524-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	5.2	11	3.3	2.6	2.0
PFMOAA	14	10	<2.0	3.5	3.7
PFO2HxA	7.1	7.5	2.7	2.6	2.6
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	15	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	2.6 J	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	4.4	4.3	5.2	6.3	4.0
Total Attachment C ^{1,2}	26	44	6	8.7	8.3
Total Table 3+ (17 compounds) ^{2,3}	26	44	6	8.7	8.3
Total Table 3+ (20 compounds) ²	29	44	6	8.7	8.3

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023				
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-070523	CFR-TARHEEL-24-070723	CFR-TARHEEL-24-071023	CFR-TARHEEL-24-071323	CFR-TARHEEL-24-071723
Sample Date	07/05/2023	07/07/2023	07/10/2023	07/13/2023	07/17/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/05/23 12:00 AM	07/07/23 12:00 AM	07/10/23 12:00 AM	07/13/23 12:00 AM	07/17/23 12:00 AM
Sample Stop Date and Time	07/05/23 11:00 PM	07/07/23 11:00 PM	07/10/23 11:00 PM	07/13/23 11:00 PM	07/17/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-102369-1	320-102524-1	320-102524-1	320-102689-1	320-102689-1
Lab Sample ID	320-102369-2	320-102524-2	320-102524-3	320-102689-1	320-102689-2
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	3.2	2.8	2.2	2.5	2.4
PFMOAA	<2.0	4.0	4.9	2.9	3.3
PFO2HxA	3.0	4.2	3.8	2.0	3.1
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	2.2 J	3.1 J	5.7 J	2.6 J	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
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	2.9 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	3.4	3.2	3.7	3.0	2.7
Total Attachment C^{1,2}	6.2	11	11	7.4	8.8
Total Table 3+ (17 compounds)^{2,3}	6.2	11	11	7.4	8.8
Total Table 3+ (20 compounds)²	8.4	14	20	10	8.8

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-072023	CFR-TARHEEL-24-072423	CFR-TARHEEL-24-072423-D	CFR-TARHEEL-24-072723	CAP3Q23-CFR-TARHEEL-072723
Sample Date	07/20/2023	07/24/2023	07/24/2023	07/27/2023	07/27/2023
Sample Type	Composite	Composite	Composite	Composite	Grab
Sample Start Date and Time	07/20/23 12:00 AM	07/24/23 12:00 AM	07/24/23 12:00 AM	07/27/23 12:00 AM	07/27/23 10:25 AM
Sample Stop Date and Time	07/20/23 11:00 PM	07/24/23 11:00 PM	07/24/23 11:00 PM	07/27/23 11:00 PM	--
Composite Duration (hours)	24	24	24	24	0
QA/QC			Field Duplicate		
Sample Matrix	Liquid	Liquid	Liquid	Liquid	
Sample Delivery Group (SDG)	320-103015-1	320-103015-1	320-103015-1	320-103209-1	320-103017-1
Lab Sample ID	320-103015-1	320-103015-2	320-103015-3	320-103209-1	320-103017-6
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	4.6	4.4	4.3	5.0	5.4
PFMOAA	6.6	10	10	8.1	6.1
PFO2HxA	3.9	6.8	6.6	6.7	7.6
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	13	9.7
PEPA	<20	<20	<20	<20	<2.0
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	2.2 J	4.6 J	4.5 J	<2.0	3.6 J
Hydrolyzed PSDA	<2.0	<2.0	<2.0	2.0 J	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0
NVHOS	<2.0	<2.0	<2.0	<2.0	<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	3.3 J	3.2 J	3.0 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	3.2	4.4	4.3	3.8	3.4
Total Attachment C ^{1,2}	15	21	21	33	29
Total Table 3+ (17 compounds) ^{2,3}	15	21	21	33	29
Total Table 3+ (20 compounds) ²	21	29	28	35	32

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP3Q23-CFR-TARHEEL-7-072723	CFR-TARHEEL-24-073123	CFR-TARHEEL-24-080323	CFR-TARHEEL-24-080723	CFR-TARHEEL-24-081023
Sample Date	07/27/2023	07/31/2023	08/03/2023	08/07/2023	08/10/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	07/27/23 8:46 AM	07/31/23 12:00 AM	08/03/23 12:00 AM	08/07/23 12:00 AM	08/10/23 12:00 AM
Sample Stop Date and Time	07/27/23 1:46 PM	07/31/23 11:00 PM	08/03/23 11:00 PM	08/07/23 11:00 PM	08/10/23 11:00 PM
Composite Duration (hours)	7	24	24	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-103199-1	320-103209-1	320-103524-1	320-103524-1	320-104062-1
Lab Sample ID	320-103199-1	320-103209-2	320-103524-1	320-103524-2	320-104062-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	5.3	5.5	5.3 J	5.8 J	6.4
PFMOAA	8.9	10	21 J	18 J	<2.0
PFO2HxA	8.1	7.7	8.1 J	7.3 J	6.3
PFO3OA	2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PMPA	9.6	16	19 J	23 J	<10
PEPA	<2.0	<20	<20 UJ	<20 UJ	<20
PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	3.1 J	<2.0	4.4 J	5.4 J	<2.0
Hydrolyzed PSDA	<2.0	<2.0	2.6 J	<2.0 UJ	<2.0
R-PSDCA	<3.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
NVHOS	<3.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0	4.2 J	2.2 J	<2.0
PES	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	4.0	3.3	3.5 J	3.5 J	4.9
Total Attachment C ^{1,2}	34	39	53	54	13
Total Table 3+ (17 compounds) ^{2,3}	34	39	53	54	13
Total Table 3+ (20 compounds) ²	37	39	65	62	13

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-081423	CFR-TARHEEL-24-081423-D	CFR-TARHEEL-24-081723	CFR-TARHEEL-24-082123	CFR-TARHEEL-24-082423
Sample Date	08/14/2023	08/14/2023	08/17/2023	08/21/2023	08/24/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	08/14/23 12:00 AM	08/14/23 12:00 AM	08/17/23 12:00 AM	08/21/23 12:00 AM	08/24/23 12:00 AM
Sample Stop Date and Time	08/14/23 11:00 PM	08/14/23 11:00 PM	08/17/23 11:00 PM	08/21/23 11:00 PM	08/24/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-104062-1 / 320-104208-1	320-104208-1	320-104389-1	320-104389-1	320-104389-1
Lab Sample ID	320-104062-2 / 320-104208-1	320-104208-2	320-104389-1	320-104389-2	320-104389-3
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.8 J	6.2 J	4.9	5.1	5.1 J
PFMOAA	13 J	12 J	20	24	5.0 J
PFO2HxA	7.2 J	7.0 J	6.9	7.6	8.9 J
PFO3OA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	2.4 J
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFO5DA	2.1 J	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PMPA	20 J	<10 UJ	31	22	17 J
PEPA	<20 UJ	<20 UJ	<20	<20	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-PSDA	<2.0 UJ	<2.0 UJ	3.8 J	3.1 J	<2.0 UJ
Hydrolyzed PSDA	<2.0 UJ	<2.0 UJ	<2.0	2.4 J	3.1 J
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
NVHOS	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-EVE	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<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	<2.0 UJ
Perfluoroheptanoic Acid	5.2 J	4.8 J	4.0	3.9	4.4 J
Total Attachment C ^{1,2}	49	25	63	59	38
Total Table 3+ (17 compounds) ^{2,3}	49	25	63	59	38
Total Table 3+ (20 compounds) ²	49	25	67	64	42

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-082823	CFR-TARHEEL-090123	CFR-TARHEEL-15-090123	CFR-TARHEEL-24-090423	CFR-TARHEEL-24-090723
Sample Date	08/28/2023	09/01/2023	09/01/2023	09/04/2023	09/07/2023
Sample Type	Composite	Grab	Composite	Composite	Composite
Sample Start Date and Time	08/28/23 12:00 AM	09/01/23 11:00 PM	09/01/23 12:00 AM	09/04/23 12:00 AM	09/07/23 12:00 AM
Sample Stop Date and Time	08/28/23 11:00 PM	--	09/01/23 2:00 PM	09/04/23 11:00 PM	09/07/23 11:00 PM
Composite Duration (hours)	24	0	15	24	24
QA/QC					
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-104389-1	320-104624-1	320-104624-1	320-104624-1	320-104932-1
Lab Sample ID	320-104389-4	320-104624-2	320-104624-1	320-104624-3	320-104932-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.6	4.8	5.1	6.3	6.2
PFMOAA	34	5.2	4.8	9.0	8.6
PFO2HxA	9.0	6.2	5.2	6.4	5.3
PFO3OA	2.1	<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	18	<10	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
Hydrolyzed PSDA	2.9 J	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	6.9	<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	4.6	4.2	4.2	3.6	3.3
Total Attachment C ^{1,2}	70	16	15	22	20
Total Table 3+ (17 compounds) ^{2,3}	77	16	15	22	20
Total Table 3+ (20 compounds) ²	80	16	15	22	20

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-091123	CFR-TARHEEL-24-091123-D	CFR-TARHEEL-24-091523	CFR-TARHEEL-24-091823	CFR-TARHEEL-24-092223
Sample Date	09/11/2023	09/11/2023	09/15/2023	09/18/2023	09/22/2023
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	09/11/23 12:00 AM	09/11/23 12:00 AM	09/15/23 12:00 AM	09/18/23 12:00 AM	09/22/23 12:00 AM
Sample Stop Date and Time	09/11/23 11:00 PM	09/11/23 11:00 PM	09/15/23 11:00 PM	09/18/23 11:00 PM	09/22/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC	Field Duplicate				
Sample Matrix	Liquid	Liquid	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-104932-1	320-104932-1	320-105126-1	320-105126-1	320-105404-1
Lab Sample ID	320-104932-2	320-104932-3	320-105126-1	320-105126-2	320-105404-1
<i>Table 3+ SOP (ng/L)</i>					
HFPO-DA	6.8	7.3	10	11	7.2
PFMOAA	8.7	8.4	11	12	11
PFO2HxA	6.0	5.9	5.9	6.4	7.9
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	24
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	<2.0	4.7 J
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	2.2 J
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	2.2 J
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	3.9	4.6	4.3	3.9
Total Attachment C ^{1,2}	22	22	27	29	50
Total Table 3+ (17 compounds) ^{2,3}	22	22	27	29	50
Total Table 3+ (20 compounds) ²	22	22	27	29	59

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2023	Q3 2023	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	EB
Field Sample ID	CFR-TARHEEL-24-092523	CFR-TARHEEL-24-092823	CFR-EQBLK-1-040820
Sample Date	09/25/2023	09/28/2023	04/08/20
Sample Type	Composite	Composite	Grab
Sample Start Date and Time	09/25/23 12:00 AM	09/28/23 12:00 AM	-
Sample Stop Date and Time	09/25/23 11:00 PM	09/28/23 11:00 PM	-
Composite Duration (hours)	24	24	-
QA/QC			Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-105404-1	320-105754-1	320-60098-1
Lab Sample ID	320-105404-2	320-105754-1	320-60098-5
<i>Table 3+ SOP (ng/L)</i>			
HFPO-DA	6.2	6.2	<4
PFMOAA	2.8	14	<5
PFO2HxA	7.1	7.9	<2
PFO3OA	<2.0	<2.0	<2
PFO4DA	<2.0	<2.0	<2
PFO5DA	<2.0	<2.0	<2
PMMA	26	20	<10
PEPA	<20	<20	<20
PS Acid	<2.0	<2.0	<2
Hydro-PS Acid	<2.0	<2.0	<2
R-PSDA	5.2 J	3.3 J	<2
Hydrolyzed PSDA	<2.0	2.3 J	<2
R-PSDCA	<2.0	<2.0	<2
NVHOS	<2.0	6.3	<2
EVE Acid	<2.0	<2.0	<2
Hydro-EVE Acid	<2.0	<2.0	<2
R-EVE	<2.0	<2.0	<2
PES	<2.0	<2.0	<2
PFECA B	<2.0	<2.0	<2
PFECA-G	<2.0	<2.0	<2
Perfluorooctanoic Acid	4.8	4.1	<2
Total Attachment C ^{1,2}	42	48	ND
Total Table 3+ (17 compounds) ^{2,3}	42	54	ND
Total Table 3+ (20 compounds) ²	47	60	ND

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	EB	EB	FBLK	FBLK
Field Sample ID	CFR-TARHEEL-EB-052520	CFR-TARHEEL-EB-060120	CFR-TARHEEL-FB-052520	CFR-TARHEEL-FB-060120
Sample Date	05/25/20	06/01/20	05/25/20	06/01/20
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	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-61296-1	320-61452-1	320-61296-1	320-61452-1
Lab Sample ID	320-61296-4	320-61452-4	320-61296-3	320-61452-3
<i>Table 3+ SOP (ng/L)</i>				
HFPO-DA	<2	<2	<2	<2
PFMOAA	<5	<2	<5	<2
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	4.1	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<13	<10	<13
PEPA	<20	<2	<20	<2
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 UJ
Total Attachment C^{1,2}	ND	4.1	ND	ND
Total Table 3+ (17 compounds)^{2,3}	ND	4.1	ND	ND
Total Table 3+ (20 compounds)²	ND	4.1	ND	ND

TABLE B1
CAPE FEAR RIVER TAR HEEL ANALYTICAL RESULTS - HISTORICAL
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q1 2022
Location ID	EB	EB
Field Sample ID	CAP3Q20-EQBLK-ISCO-072920	CFR-TARHEEL-EB-031822
Sample Date	07/29/20	03/18/22
Sample Type	Grab	Grab
Sample Start Date and Time	-	-
Sample Stop Date and Time	-	-
Composite Duration (hours)	-	-
QA/QC	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-63228-1	320-85968-1
Lab Sample ID	320-63228-4	320-85968-3
<i>Table 3+ SOP (ng/L)</i>		
HFPO-DA	<2	<2.0
PFMOAA	<2	<2.0
PFO2HxA	<2	<2.0
PFO3OA	<2	<2.0
PFO4DA	<2	<2.0
PFO5DA	<2	<2.0
PMPA	<20	<10
PEPA	<10	<20
PS Acid	<2	<2.0
Hydro-PS Acid	<2	<2.0
R-PSDA	<2 UJ	<2.0
Hydrolyzed PSDA	<2 UJ	<2.0
R-PSDCA	<2	<2.0
NVHOS	<2	<2.0
EVE Acid	<2	<2.0
Hydro-EVE Acid	<2	<2.0
R-EVE	<2 UJ	<2.0
PES	<2	<2.0
PFECA B	<2	<2.0
PFECA-G	<2	<2.0
Perfluoroheptanoic Acid	<2	<2.0
Total Attachment C^{1,2}	ND	ND
Total Table 3+ (17 compounds)^{2,3}	ND	ND
Total Table 3+ (20 compounds)²	ND	ND

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

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 B2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL	GBC-1
Field Sample ID	CAP3Q23-CFR-BLADEN-072623	CAP3Q23-CFR-KINGS-080123	CAP3Q23-CFR-RM-76-072623	CAP3Q23-CFR-TARHEEL 072723	CAP3Q23-CFR-TARHEEL 7-072723	CAP3Q23-GBC-1-072623
Sample Date	07/26/2023	08/01/2023	07/26/2023	07/27/2023	07/27/2023	07/26/2023
QA/QC						
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103199-1	320-103017-1	320-103017-1	320-103199-1	320-103017-1
Lab Sample ID	320-103017-5	320-103199-2	320-103017-1	320-103017-6	320-103199-1	320-103017-2
Method 537 Mod Max (ng/L)						
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	6.2	5.6	5.7	6.0	7.3	3.2
Perfluorobutanoic Acid	<5.0	6.1	<5.0	<5.0	5.9	7.3
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	3.7	4.1	3.6	3.4	4.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	5.0	4.6	5.2	5.4	5.7	<2.0
Perfluorohexanoic Acid	8.7	8.3	8.4	8.1	8.8	2.8
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	9.3	9.0	8.6	10	9.6	7.8
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	6.8	8.2	6.7	6.7	8.1	2.5
PFOS	16	13	14	15	13	<2.0

TABLE B2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	Lock-Dam North	Lock-Dam Seep	OLDOF-1	OUTFALL 002A	OUTFALL 002	River Water Intake 2	SEEP-A-EFF
Field Sample ID	CAP3Q23-LOCK-DAM-NORTH-072623	CAP3Q23-LOCK-DAM-SEEP-072623	CAP3Q23-OLDOF-1-24-072723	CAP3Q23-OUTFALL-002-24-072723	OUTFALL-002-24-072723-D	RIVER-WATER-INTAKE2-24-072823	CAP3Q23-SEEP-A-EFF-24-072723
Sample Date	07/26/2023	07/26/2023	07/27/2023	07/27/2023	07/27/2023	07/28/2023	07/27/2023
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	Liquid	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103017-1	320-103013-1	320-103016-1	320-103016-1	320-103199-1	320-103013-2
Lab Sample ID	320-103017-4	320-103017-3	320-103013-6	320-103016-4	320-103016-5	320-103199-3	320-103013-1
<i>Method 537 Mod Max (ng/L)</i>							
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0 UJ
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
N-Methyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	5.7	5.7	5.8	<2.0 UJ
Perfluorobutanoic Acid	41	64	7.8	8.8	8.9	7.3	21 J
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	7.2	78	3.1	3.9	3.9	3.7	<2.0 UJ
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorohexane Sulfonic Acid	<2.0	4.3 J	<2.0	5.3	5.0	5.4	<2.0 UJ
Perfluorohexanoic Acid	7.6	16	<2.0	8.3	8.3	8.7	<2.0 UJ
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorononanoic Acid	<2.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoropentanoic Acid	110	440	17	8.7	8.7	9.5	18 J
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFOA	8.8	9.2	2.3	7.2	6.7	7.3	<2.0 UJ
PFOS	10	36	<2.0	13	13	11	<2.0 UJ

TABLE B2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B-EFF	SEEP-C-EFF	SEEP-D-EFF	WC-1
Field Sample ID	CAP3Q23-SEEP-B-EFF-24-072723	CAP3Q23-SEEP-C-EFF-24-072723	CAP3Q23-SEEP-D-EFF-24-072723	CAP3Q23-WC-1-24-072723
Sample Date	07/27/2023	07/27/2023	07/27/2023	07/27/2023
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103013-2	320-103013-2	320-103013-1	320-103016-1
Lab Sample ID	320-103013-2	320-103013-3	320-103013-4	320-103016-1
<i>Method 537 Mod Max (ng/L)</i>				
10:2 Fluorotelomer sulfonate	<2.0 UJ	<2.0 UJ	<2.0	<2.0
11Cl-PF3OUdS	<2.0 UJ	<2.0 UJ	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0 UJ	<2.0 UJ	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0 UJ	<4.0 UJ	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0 UJ	<5.0 UJ	10	<5.0
9Cl-PF3ONS	<2.0 UJ	<2.0 UJ	<2.0	<2.0
DONA	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0 UJ	<5.0 UJ	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0 UJ	<5.0 UJ	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	4.9
Perfluorobutanoic Acid	17 J	<5.0 UJ	<5.0	9.0
Perfluorodecane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	2.4
Perfluorohexadecanoic Acid (PFHxDA)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	4.3
Perfluorononanesulfonic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoropentanoic Acid	21 J	4.4 J	11	9.9
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
PFOA	<2.0 UJ	<2.0 UJ	<2.0	7.2
PFOS	<2.0 UJ	<2.0 UJ	<2.0	<2.0

TABLE B2
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	EB	EB
Field Sample ID	CAP3Q23-EQBLK-IS-072723	CAP3Q23-EQBLK-PP-072723
Sample Date	07/27/2023	07/27/2023
QA/QC	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-103017-1	320-103017-1
Lab Sample ID	320-103017-7	320-103017-8
Method 537 Mod Max (ng/L)		
10:2 Fluorotelomer sulfonate	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0
DONA	<2.0	<2.0
N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0
N-Methyl Perfluoroctane Sulfonamidoacetic Acid	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0
Perfluoroctadecanoic Acid	<2.0	<2.0
Perfluoroctane Sulfonamide	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<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
PFOS	<2.0	<2.0

Notes:

Bold - Analyte detected above associated reporting limit

B - Analyte detected in an associated blank

EPA - Environmental Protection Agency

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)		
Interval ID	Start Time ¹	End Time ¹		HFOPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMFA	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				
2020_Q2_1	4/1/20 0:00	4/2/20 13:30	5,430	0.45	1.90	0.63	0.15	0.00	0.00	0.77	0.00	0.00	0.00	0.36	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	3.91	3.91	4.90		
2020_Q2_2	4/2/20 13:30	4/3/20 15:00	2,557	0.38	1.05	0.45	0.11	0.00	0.00	0.63	0.00	0.00	0.00	0.28	0.38	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.22	2.61	2.62	3.33	
2020_Q2_3	4/3/20 15:00	4/6/20 0:30	4,032	0.62	2.54	0.93	0.23	0.05	0.08	0.93	0.00	0.00	0.00	0.40	0.86	0.00	0.12	0.00	0.00	0.06	0.00	0.00	0.00	0.14	5.38	5.50	6.83	
2020_Q2_4	4/6/20 0:30	4/9/20 6:30	4,348	0.73	3.41	1.20	0.29	0.10	0.18	1.12	0.00	0.00	0.00	0.47	1.12	0.00	0.18	0.00	0.00	0.12	0.00	0.00	0.00	0.00	7.03	7.21	8.93	
2020_Q2_5	4/9/20 6:30	4/15/20 14:30	10,189	1.08	5.19	1.87	0.45	0.12	0.50	2.04	0.00	0.00	0.00	0.55	1.73	0.00	0.21	0.00	0.00	0.14	0.00	0.00	0.00	0.00	11.26	11.47	13.89	
2020_Q2_6	4/15/20 14:30	4/19/20 1:30	14,667	0.67	3.43	1.35	0.32	0.00	0.84	2.08	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.69	8.69	9.87	
2020_Q2_7	4/19/20 1:30	4/19/20 2:00	60	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	
2020_Q2_8	4/19/20 2:00	4/22/20 13:30	7,371	0.74	3.14	1.17	0.31	0.00	0.34	1.54	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.23	7.23	8.28
2020_Q2_9	4/22/20 13:30	4/22/20 13:49	42	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.05	
2020_Q2_10	4/22/20 13:49	4/26/20 0:49	7,527	0.69	3.33	1.19	0.30	0.00	0.00	1.32	0.00	0.00	0.00	0.47	1.44	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.83	7.01	8.93	
2020_Q2_11	4/26/20 0:49	4/29/20 11:49	6,047	0.66	2.98	1.21	0.29	0.00	0.00	1.16	0.00	0.00	0.00	0.66	1.36	0.00	0.20	0.00	0.00	0.12	0.00	0.00	0.00	0.00	6.30	6.49	8.63	
2020_Q2_12	4/29/20 11:49	4/30/20 9:49	1,917	0.20	0.65	0.31	0.07	0.00	0.00	0.38	0.00	0.00	0.00	0.27	0.35	0.00	0.06	0.00	0.00	0.07	0.00	0.00	0.00	0.00	1.61	1.67	2.36	
2020_Q2_13	4/30/20 9:49	5/2/20 23:49	14,309	1.43	3.22	1.91	0.42	0.00	0.00	2.87	0.00	0.00	0.00	2.39	2.15	0.00	0.39	0.00	0.00	0.72	0.00	0.00	0.00	0.00	9.85	10.25	15.50	
2020_Q2_14	5/2/20 23:49	5/3/20 0:49	359	0.03	0.07	0.04	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.21	0.32	
2020_Q2_15	5/3/20 0:49	5/6/20 11:49	19,278	1.00	2.90	1.58	0.34	0.00	0.00	2.41	0.00	0.00	0.00	1.77	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.22	8.22	11.92	
2020_Q2_16	5/6/20 11:49	5/6/20 12:49	202	0.01	0.04	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.16	
2020_Q2_17	5/6/20 12:49	5/9/20 23:49	11,684	0.92	3.32	1.37	0.37	0.00	0.00	1.76	0.00	0.00	0.00	1.27	1.46	0.00	0.22	0.00	0.00	0.26	0.00	0.00	0.00	0.00	7.72	7.95	10.94	
2020_Q2_18	5/9/20 23:49	5/13/20 9:49	4,227	0.46	2.43	0.95	0.24	0.07	0.00	0.78	0.00	0.00	0.00	0.42	1.20	0.00	0.10	0.00	0.00	0.18	0.00	0.00	0.00	0.00	4.93	5.03	6.84	
2020_Q2_19	5/13/20 9:49	5/13/20 19:49	459	0.07	0.36	0.14	0.03	0.01	0.00	0.10	0.00	0.00	0.00	0.06	0.18	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.72	0.74	1.00	
2020_Q2_20	5/13/20 19:49	5/14/20 19:49	948	0.03	0.17	0.07	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.08	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.47	
2020_Q2_21	5/14/20 19:49	5/16/20 19:49	1,674	0.27	1.31	0.52	0.11	0.03	0.00	0.38	0.00	0.00	0.00	0.21	0.66	0.00	0.06	0.00	0.00	0.09	0.00	0.00	0.00	0.00	2.62	2.68	3.64	
2020_Q2_22	5/16/20 19:49	5/16/20 21:49	68	0.01	0.06	0.02	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.17	
2020_Q2_23	5/16/20 21:49	5/20/20 8:49	2,877	0.60	2.88	1.08	0.24	0.07	0.00	0.77	0.48	0.05	0.00	0.36	1.30	0.00	0.09	0.00	0.00	0.19	0.00	0.00	0.00	0.00	6.18	6.27	8.12	
2020_Q2_24	5/20/20 8:49	5/25/20 10:15	57,143	6.44	28.61	11.25	2.38	0.72	0.00	7.63	4.77</td																	

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)		
Interval ID	Start Time ¹	End Time ¹		HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca B	PFeca G	PFHpA				
2020_Q3_62	9/28/20 23:01	9/29/20 0:01	255	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.07	0.08		
2020_Q3_63	9/29/20 0:01	9/29/20 23:01	5,674	0.25	0.19	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.77	0.77	1.02	
2020_Q3_64	9/29/20 23:01	9/30/20 0:01	238	0.02	0.03	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.09	0.12	
2020_Q3_65	9/30/20 0:01	9/30/20 23:01	7,029	0.65	1.35	0.70	0.15	0.00	0.00	1.47	0.00	0.00	0.00	0.43	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	4.31	4.31	5.62
2020_Q4_1	9/30/20 23:01	10/1/20 0:01	360	0.02	0.03	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.12	0.15	
2020_Q4_2	10/1/20 0:01	10/1/20 17:01	5,978	0.26	0.14	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.74	0.74	0.74
2020_Q4_3	10/1/20 17:01	10/6/20 15:30	24,919	1.39	0.71	1.72	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	4.03	4.03	4.56
2020_Q4_4	10/6/20 15:30	10/6/20 23:30	819	0.06	0.03	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.16	0.16	0.20	
2020_Q4_5	10/6/20 23:30	10/7/20 17:30	1,497	0.13	0.07	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.38	0.38	0.46
2020_Q4_6	10/7/20 17:30	10/8/20 16:30	1,650	0.18	0.10	0.21	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.54	0.54	0.64	
2020_Q4_7	10/8/20 16:30	10/12/20 0:01	4,941	0.74	1.27	0.93	0.34	0.16	0.07	0.68	0.00	0.05	0.00	0.41	0.59	0.00	0.06	0.00	0.00	0.10	0.00	0.00	0.00	0.20	4.24	4.30	5.40	
2020_Q4_8	10/12/20 0:01	10/12/20 23:01	2,571	0.49	1.16	0.64	0.28	0.17	0.08	0.71	0.00	0.05	0.00	0.43	0.45	0.00	0.07	0.00	0.00	0.10	0.00	0.00	0.00	0.09	3.57	3.64	4.62	
2020_Q4_9	10/12/20 23:01	10/15/20 0:01	12,598	1.45	3.63	1.94	0.68	0.42	0.18	1.73	0.00	0.12	0.00	1.23	1.37	0.00	0.16	0.00	0.00	0.25	0.00	0.00	0.00	0.41	10.15	10.31	13.15	
2020_Q4_10	10/15/20 0:01	10/15/20 23:01	5,309	0.20	0.66	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.17	1.17	1.54	
2020_Q4_11	10/15/20 23:01	10/19/20 0:01	14,452	0.63	1.99	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	3.50	3.50	4.63	
2020_Q4_12	10/19/20 0:01	10/19/20 23:01	4,518	0.23	0.68	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	1.19	1.19	1.58	
2020_Q4_13	10/19/20 23:01	10/22/20 0:01	7,997	0.44	0.83	0.53	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.14	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	2.74	2.74	3.08	
2020_Q4_14	10/22/20 0:01	10/22/20 23:01	3,018	0.18	0.18	0.21	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1.27	1.27	1.27	
2020_Q4_15	10/22/20 23:01	10/30/20 0:01	14,369	1.09	2.16	1.28	0.19	0.00	0.00	1.68	0.00	0.00	0.00	0.66	0.51	0.00	0.21	0.00	0.00	0.17	0.00	0.00	0.00	0.58	6.39	6.60	7.94	
2020_Q4_16	10/30/20 0:01	10/30/20 23:01	2,318	0.21	0.56	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.16	0.00	0.07	0.00	0.00	0.05	0.00	0.00	0.09	1.09	1.15	1.58	
2020_Q4_17	10/30/20 23:01	10/31/20 0:01	102	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.07	
2020_Q4_18	10/31/20 0:01	10/31/20 23:01	2,528	0.19	0.57	0.23	0.05	0.00	0.00	0.44	0.00	0.00	0.00	0.19	0.13	0.00	0.08	0.00	0.00	0.05	0.00	0.00	0.00	0.10	1.48	1.56	1.93	
2020_Q4_19	10/31/20 23:01	11/2/20 0:01	3,551	0.23	0.62	0.29	0.04	0.00	0.00	0.61	0.00	0.00	0.00	0.13	0.15	0.00	0.11	0.00	0.00	0.03	0.00	0.00	0.00	0.16	1.79	1.90	2.21	
2020_Q4_20	11/2/20 0:01	11/2/20 23:01	3,944	0																								

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)		
Interval ID	Start Time ¹	End Time ¹		HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca_B	PFeca_G	PFHpA				
2020_Q4_49	12/15/20 16:11	12/17/20 12:29	12,449	0.74	1.40	0.66	0.14	0.00	0.00	1.40	0.00	0.00	0.00	0.22	0.59	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.46	4.34	4.55	5.37		
2020_Q4_50	12/17/20 12:29	12/21/20 13:52	39,466	1.17	2.77	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	5.06	5.06	7.18	
2020_Q4_51	12/21/20 13:52	12/23/20 9:30	17,409	0.54	0.72	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.79	1.79	2.48	
2020_Q4_52	12/23/20 9:30	12/24/20 19:20	11,473	0.74	0.81	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.16	2.16	3.46	
2020_Q4_53	12/24/20 19:20	12/28/20 15:00	48,493	3.04	3.44	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	8.80	8.80	14.06	
2020_Q4_54	12/28/20 15:00	12/30/20 10:56	19,344	0.60	0.97	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	2.16	2.16	3.34	
2020_Q4_55	12/30/20 10:56	1/6/21 12:10	88,399	2.66	5.53	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	11.25	11.25	15.93	
2021_Q1_1	1/6/21 12:10	1/7/21 11:00	11,959	0.30	0.15	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.81	0.81
2021_Q1_2	1/7/21 11:00	1/11/21 10:30	42,757	1.61	2.32	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.60	5.60	6.80
2021_Q1_3	1/11/21 10:30	1/14/21 12:40	21,176	1.33	3.00	1.39	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.89	5.89	7.26
2021_Q1_4	1/14/21 12:40	1/21/21 0:01	26,755	2.09	4.69	2.05	0.22	0.00	0.00	1.56	0.00	0.00	0.00	1.14	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	10.62	10.62	13.03
2021_Q1_5	1/21/21 0:01	1/21/21 23:01	3,275	0.26	0.57	0.23	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.15	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.44	1.44	1.79	
2021_Q1_6	1/21/21 23:01	1/22/21 0:01	139	0.01	0.03	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.08
2021_Q1_7	1/22/21 0:01	1/22/21 23:01	3,140	0.26	0.60	0.22	0.00	0.00	0.37	0.00	0.00	0.00	0.17	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.45	1.45	1.83	
2021_Q1_8	1/22/21 23:01	1/26/21 15:00	10,227	1.15	2.52	0.91	0.14	0.00	0.00	1.45	0.00	0.09	0.00	1.13	0.75	0.00	0.13	0.00	0.00	0.18	0.00	0.00	0.00	0.20	6.26	6.39	8.45	
2021_Q1_9	1/26/21 15:00	1/26/21 16:10	167	0.02	0.05	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.13	0.18
2021_Q1_10	1/26/21 16:10	1/27/21 0:01	1,315	0.12	0.25	0.13	0.02	0.00	0.21	0.00	0.00	0.00	0.11	0.09	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.74	0.74	0.96	
2021_Q1_11	1/27/21 0:01	1/27/21 15:10	3,379	0.28	0.65	0.30	0.03	0.00	0.00	0.51	0.00	0.00	0.00	0.23	0.20	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.08	1.77	1.77	2.28	
2021_Q1_12	1/27/21 15:10	1/27/21 23:01	2,255	0.17	0.43	0.17	0.00	0.00	0.32	0.00	0.00	0.00	0.13	0.12	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.04	1.10	1.10	1.39		
2021_Q1_13	1/27/21 23:01	1/28/21 0:01	292	0.02	0.05	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.13	0.16	
2021_Q1_14	1/28/21 0:01	1/28/21 23:01	7,925	0.49	1.06	0.46	0.00	0.00	0.93	0.00	0.00	0.00	0.39	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	2.94	2.94	3.64	
2021_Q1_15	1/28/21 23:01	2/1/21 10:05	34,088	1.83	3.50	1.68	0.00	0.00	3.84	0.00	0.00	0.00	0.84	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	10.85	10.85	12.77	
2021_Q1_16	2/1/21 10:05	2/4/21 16:35	41,628	1.74	1.49	1.63	0.00	0.00	4.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	8.86	8.86	10.11	
2021_Q1_17	2/4/21 16:35	2/8/21																										

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)	
Interval ID	Start Time ¹	End Time ¹		HFO-DA	PFMOAA	PFO2HxA	PFOOA	PFO4DA	PFO5DA	PMFA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca_B	PFeca_G	PFHpA			
2021_Q1_46	3/31/21 0:01	3/31/21 23:01	10,410	0.36	0.60	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.29	1.29	1.56	
2021_Q1_47	3/31/21 23:01	4/1/21 0:00	435	0.06	0.17	0.06	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.37	0.37	0.50	
2021_Q2_1	4/1/21 0:00	4/5/21 0:01	33,846	4.97	13.36	4.90	0.92	0.34	0.00	4.38	0.00	0.00	0.00	2.26	6.79	0.00	0.28	0.00	0.00	0.92	0.00	0.00	0.00	0.82	28.87	29.15	39.12
2021_Q2_2	4/5/21 0:01	4/5/21 23:01	2,936	0.76	2.16	0.76	0.16	0.06	0.00	0.76	0.00	0.00	0.00	0.39	1.10	0.00	0.05	0.00	0.00	0.16	0.00	0.00	0.00	0.08	4.65	4.70	6.36
2021_Q2_3	4/5/21 23:01	4/7/21 0:01	2,836	0.53	1.37	0.54	0.12	0.03	0.00	0.67	0.00	0.00	0.00	0.28	0.69	0.00	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.08	3.27	3.29	4.33
2021_Q2_4	4/7/21 0:01	4/7/21 23:01	2,750	0.32	0.64	0.34	0.08	0.00	0.00	0.60	0.00	0.00	0.00	0.17	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.98	1.98	2.45
2021_Q2_5	4/7/21 23:01	4/12/21 0:01	12,122	1.21	2.98	1.37	0.17	0.00	0.00	2.28	0.00	0.00	0.00	0.75	1.57	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.32	8.01	8.01	10.56
2021_Q2_6	4/12/21 0:01	4/12/21 23:01	3,656	0.31	0.95	0.37	0.00	0.00	0.58	0.00	0.00	0.00	0.23	0.55	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.09	2.20	2.20	3.11	
2021_Q2_7	4/12/21 23:01	4/15/21 0:01	7,762	0.65	2.01	0.74	0.00	0.00	1.10	0.00	0.00	0.00	0.42	0.86	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.23	4.50	4.50	5.93	
2021_Q2_8	4/15/21 0:01	4/15/21 23:01	3,038	0.25	0.79	0.28	0.00	0.00	0.38	0.00	0.00	0.00	0.14	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.70	1.70	2.05	
2021_Q2_9	4/15/21 23:01	4/18/21 0:01	4,402	0.62	1.51	0.50	0.00	0.00	0.59	0.00	0.00	0.00	0.32	0.49	0.00	0.04	0.00	0.00	0.07	0.00	0.00	0.00	0.14	3.21	3.25	4.13	
2021_Q2_10	4/18/21 0:01	4/19/21 0:01	2,174	0.44	0.93	0.29	0.00	0.00	0.31	0.00	0.00	0.00	0.22	0.33	0.00	0.04	0.00	0.00	0.07	0.00	0.00	0.00	0.07	1.96	2.00	2.61	
2021_Q2_11	4/19/21 0:01	4/19/21 23:01	2,045	0.53	1.57	0.82	0.34	0.09	0.00	0.41	0.00	0.00	0.32	0.38	0.00	0.06	0.00	0.00	0.10	0.00	0.00	0.00	0.08	3.76	3.82	4.62	
2021_Q2_12	4/19/21 23:01	4/20/21 15:00	1,270	0.23	0.70	0.33	0.11	0.02	0.00	0.23	0.00	0.00	0.16	0.20	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.04	1.62	1.66	2.04	
2021_Q2_13	4/20/21 15:00	4/21/21 10:48	1,301	0.22	0.52	0.29	0.07	0.02	0.00	0.30	0.00	0.00	0.00	0.17	0.25	0.00	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.04	1.42	1.46	1.89
2021_Q2_14	4/21/21 10:48	4/21/21 14:20	203	0.04	0.08	0.06	0.02	0.01	0.00	0.06	0.00	0.00	0.00	0.03	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.27	0.36	
2021_Q2_15	4/21/21 14:20	4/22/21 13:20	1,298	0.25	0.69	0.28	0.08	0.02	0.00	0.21	0.00	0.00	0.00	0.35	3.58	0.00	0.04	0.00	0.00	0.25	0.00	0.00	0.00	0.04	1.53	1.57	5.74
2021_Q2_16	4/22/21 13:20	4/27/21 19:10	6,455	1.24	3.42	1.37	0.34	0.05	0.00	1.32	0.00	0.00	1.27	9.72	0.00	0.18	0.00	0.00	0.62	0.00	0.00	0.00	0.19	7.75	7.93	19.54	
2021_Q2_17	4/27/21 19:10	4/28/21 0:01	251	0.05	0.13	0.05	0.01	0.00	0.06	0.00	0.00	0.00	0.03	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.30	0.31	0.40	
2021_Q2_18	4/28/21 0:01	4/28/21 23:01	1,324	0.20	0.62	0.22	0.05	0.00	0.00	0.27	0.00	0.00	0.19	0.21	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.35	1.40	1.80	
2021_Q2_19	4/28/21 23:01	5/3/21 0:01	5,784	0.77	2.53	0.82	0.20	0.00	0.00	1.11	0.00	0.00	0.84	0.89	0.00	0.36	0.00	0.00	0.11	0.00	0.00	0.00	0.20	5.43	5.79	7.64	
2021_Q2_20	5/3/21 0:01	5/3/21 23:01	1,353	0.16	0.55	0.16	0.04	0.00	0.00	0.25	0.00	0.00	0.00	0.20	0.20	0.00	0.12	0.00	0.00	0.05	0.00	0.00	0.00	0.05	1.16	1.28	1.74
2021_Q2_21	5/3/21 23:01	5/6/21 23:01	3,320	0.40	1.47	0.43	0.09	0.00	0.00	0.79	0.00	0.00	0.48	0.53	0.00	0.23	0.00	0.00	0.12	0.00	0.00	0.00	0.13	3.18	3.41	4.54	
2021_Q2_22	5/6/21 23:01	5/10/21 0:01	5,638	0.61	2.09	0.63	0.13	0.00	0.00	1.44	0.00	0.00	0.82	0.80	0.00	0.33	0.00	0.00	0.16	0.00	0.00	0.00	0.26	4.90	5.23	7.0	

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)	
Interval ID	Start Time ¹	End Time ¹		HFO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMFA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca B	PFeca G	PFHpA			
2021_Q2_51	6/22/21 0:01	6/22/21 23:01	1,728	0.17	0.25	0.17	0.04	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.11	1.11	1.11	
2021_Q2_52	6/22/21 23:01	6/24/21 0:01	1,931	0.18	0.35	0.18	0.05	0.00	0.00	0.50	0.00	0.00	0.00	0.15	0.10	0.00	0.07	0.00	0.00	0.03	0.00	0.00	0.00	0.09	1.26	1.32	1.60
2021_Q2_53	6/24/21 0:01	6/24/21 23:01	1,711	0.14	0.39	0.14	0.04	0.00	0.00	0.41	0.00	0.00	0.00	0.27	0.17	0.00	0.12	0.00	0.00	0.06	0.00	0.00	0.00	0.09	1.13	1.24	1.74
2021_Q2_54	6/24/21 23:01	7/1/21 0:00	8,170	0.75	1.74	0.82	0.21	0.00	0.00	1.94	0.00	0.00	0.00	0.65	0.61	0.00	0.46	0.00	0.00	0.14	0.00	0.00	0.00	0.35	5.46	5.93	7.32
2021_Q3_1	7/1/21 0:00	7/1/21 0:01	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021_Q3_2	7/1/21 0:01	7/1/21 23:01	972	0.10	0.19	0.11	0.03	0.00	0.00	0.23	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.66	0.71	0.75
2021_Q3_3	7/1/21 23:01	7/2/21 0:01	42	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03
2021_Q3_4	7/2/21 0:01	7/2/21 23:01	934	0.10	0.21	0.13	0.03	0.00	0.00	0.17	0.00	0.00	0.00	0.06	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.65	0.68	0.75
2021_Q3_5	7/2/21 23:01	7/7/21 0:01	5,532	0.53	1.34	0.69	0.17	0.00	0.00	0.85	0.00	0.00	0.00	0.44	0.49	0.00	0.30	0.00	0.00	0.07	0.00	0.00	0.00	0.19	3.58	3.88	4.87
2021_Q3_6	7/7/21 0:01	7/7/21 23:01	1,032	0.09	0.27	0.11	0.02	0.00	0.00	0.13	0.00	0.00	0.00	0.16	0.11	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.62	0.69	0.99
2021_Q3_7	7/7/21 23:01	7/8/21 0:01	33	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03
2021_Q3_8	7/8/21 0:01	7/8/21 23:01	1,358	0.20	0.33	0.20	0.05	0.00	0.00	0.41	0.00	0.00	0.00	0.06	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.20	1.26	1.32
2021_Q3_9	7/8/21 23:01	7/12/21 0:01	19,378	1.86	2.90	1.86	0.36	0.00	0.00	4.53	0.00	0.00	0.00	0.97	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	11.51	11.98	12.95
2021_Q3_10	7/12/21 0:01	7/12/21 23:01	5,001	0.19	0.22	0.20	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.14	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	1.71	1.71	2.11
2021_Q3_11	7/12/21 23:01	7/15/21 0:01	7,587	0.37	0.57	0.36	0.07	0.00	0.00	1.61	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	2.98	2.98	3.34	
2021_Q3_12	7/15/21 0:01	7/15/21 23:01	1,938	0.11	0.18	0.10	0.03	0.00	0.00	0.50	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.93	0.93	1.00	
2021_Q3_13	7/15/21 23:01	7/19/21 0:01	4,130	0.32	0.40	0.32	0.09	0.00	0.00	0.91	0.00	0.00	0.00	0.17	0.31	0.00	0.07	0.00	0.00	0.05	0.00	0.00	0.00	0.21	2.04	2.11	2.64
2021_Q3_14	7/19/21 0:01	7/19/21 23:01	1,266	0.13	0.13	0.13	0.03	0.00	0.00	0.23	0.00	0.00	0.00	0.11	0.14	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.06	0.65	0.69	0.96
2021_Q3_15	7/19/21 23:01	7/22/21 0:01	7,932	0.76	0.67	0.73	0.19	0.00	0.00	1.36	0.00	0.00	0.00	0.70	0.67	0.00	0.13	0.00	0.00	0.21	0.00	0.00	0.00	0.32	3.70	3.83	5.41
2021_Q3_16	7/22/21 0:01	7/22/21 23:01	4,788	0.44	0.33	0.40	0.10	0.00	0.00	0.76	0.00	0.00	0.00	0.44	0.29	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.16	2.02	2.02	2.89
2021_Q3_17	7/22/21 23:01	7/26/21 0:01	8,972	0.86	0.72	0.79	0.20	0.00	0.00	1.76	0.00	0.00	0.00	0.41	0.36	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.35	4.33	4.33	5.23
2021_Q3_18	7/26/21 0:01	7/26/21 23:01	1,099	0.11	0.10	0.10	0.03	0.00	0.00	0.26	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.60	0.60	0.62
2021_Q3_19	7/26/21 23:01	7/28/21 8:50	2,783	0.20	0.19	0.20	0.03	0.00	0.00	0.66	0.00	0.00	0.00	0.06	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	1.29	1.34	1.40
2021_Q3_20	7/28/21 8:50	7/28/21 17:45	861	0.05	0.04	0.05	0.01	0.00	0.00	0.21	0.00	0.00	0.00	0.02	0.03	0.00</											

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)	
Interval ID	Start Time ¹	End Time ¹		HFOPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca B	PFeca G	PFHpA			
2021_Q3_49	9/9/21 0:01	9/9/21 23:01	667	0.09	0.09	0.11	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.03	0.39	0.42	0.45	
2021_Q3_50	9/9/21 23:01	9/13/21 0:01	2,871	0.31	0.49	0.38	0.09	0.00	0.00	0.35	0.00	0.00	0.11	0.16	0.00	0.21	0.00	0.00	0.03	0.00	0.00	0.00	0.12	1.62	1.83	2.13	
2021_Q3_51	9/13/21 0:01	9/13/21 23:01	833	0.06	0.17	0.08	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.07	0.06	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.45	0.53	0.67
2021_Q3_52	9/13/21 23:01	9/14/21 21:36	695	0.06	0.18	0.09	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.06	0.06	0.00	0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.46	0.52	0.65
2021_Q3_53	9/14/21 21:36	9/15/21 20:36	667	0.07	0.21	0.10	0.02	0.00	0.00	0.12	0.00	0.00	0.00	0.06	0.07	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.52	0.58	0.72
2021_Q3_54	9/15/21 20:36	9/16/21 0:01	93	0.01	0.03	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.10
2021_Q3_55	9/16/21 0:01	9/16/21 23:01	622	0.07	0.21	0.09	0.02	0.00	0.00	0.10	0.00	0.00	0.00	0.07	0.07	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.50	0.56	0.71
2021_Q3_56	9/16/21 23:01	9/20/21 0:01	1,993	0.22	0.62	0.28	0.06	0.00	0.00	0.29	0.00	0.00	0.16	0.16	0.00	0.14	0.00	0.00	0.02	0.00	0.00	0.00	0.10	1.49	1.63	1.97	
2021_Q3_57	9/20/21 0:01	9/20/21 23:01	640	0.07	0.18	0.09	0.02	0.00	0.00	0.08	0.00	0.00	0.03	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.44	0.47	0.53
2021_Q3_58	9/20/21 23:01	9/21/21 0:01	28	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02
2021_Q3_59	9/21/21 0:01	9/21/21 23:01	615	0.07	0.17	0.08	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.02	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.42	0.45	0.50
2021_Q3_60	9/21/21 23:01	9/27/21 0:01	17,353	1.50	3.91	1.67	0.26	0.00	0.00	2.10	0.00	0.00	0.83	0.91	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	9.44	9.77	11.51
2021_Q3_61	9/27/21 0:01	9/27/21 23:01	1,374	0.08	0.24	0.08	0.00	0.00	0.00	0.15	0.00	0.00	0.08	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.55	0.71
2021_Q3_62	9/27/21 23:01	9/30/21 0:01	1,757	0.14	0.44	0.16	0.02	0.00	0.00	0.23	0.00	0.00	0.10	0.13	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	1.00	1.02	1.27
2021_Q3_63	9/30/21 0:01	9/30/21 23:01	627	0.07	0.20	0.08	0.02	0.00	0.00	0.09	0.00	0.00	0.03	0.06	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.46	0.47	0.58
2021_Q3_64	9/30/21 23:01	10/1/21 0:00	27	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02
2021_Q4_1	10/1/21 0:00	10/4/21 0:01	1,706	0.19	0.50	0.22	0.05	0.00	0.00	0.24	0.00	0.00	0.08	0.13	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	1.20	1.23	1.45
2021_Q4_2	10/4/21 0:01	10/4/21 23:01	515	0.06	0.13	0.07	0.02	0.00	0.00	0.07	0.00	0.00	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.34	0.36	0.40
2021_Q4_3	10/4/21 23:01	10/7/21 0:01	1,365	0.15	0.35	0.18	0.04	0.00	0.00	0.17	0.00	0.00	0.07	0.10	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.90	0.95	1.13
2021_Q4_4	10/7/21 0:01	10/7/21 23:01	637	0.07	0.16	0.09	0.02	0.00	0.00	0.07	0.00	0.00	0.04	0.06	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.42	0.45	0.56
2021_Q4_5	10/7/21 23:01	10/11/21 0:01	4,063	0.30	0.68	0.35	0.07	0.00	0.00	0.24	0.00	0.00	0.25	0.26	0.00	0.20	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.15	1.64	1.84	2.40
2021_Q4_6	10/11/21 0:01	10/11/21 23:01	4,496	0.13	0.36	0.17	0.00	0.00	0.00	0.13	0.00	0.00	0.18	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.66	0.88	1.19
2021_Q4_7	10/11/21 23:01	10/15/21 0:01	5,252	0.25	0.67	0.31	0.05	0.00	0.00	0.22	0.00	0.00	0.16	0.22	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.50	1.63	2.00
2021_Q4_8	10/15/21 0:01	10/15/21 23:01	763	0.05	0.13	0.06	0.02	0.00	0.00	0.06	0.00	0.00	0.03	0.00	0.00												

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)	
Interval ID	Start Time ¹	End Time ¹		HFOPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDC4A	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca B	PFeca G	PFHpA			
2021_Q4_37	11/22/21 23:01	11/25/21 0:01	1,487	0.16	0.19	0.18	0.04	0.00	0.00	0.20	0.00	0.00	0.00	0.04	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.06	0.76	0.84	0.95	
2021_Q4_38	11/25/21 0:01	11/25/21 23:01	706	0.07	0.09	0.09	0.02	0.00	0.00	0.09	0.00	0.00	0.00	0.03	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.36	0.40	0.47
2021_Q4_39	11/25/21 23:01	11/29/21 0:01	2,157	0.22	0.27	0.25	0.06	0.00	0.00	0.25	0.00	0.00	0.00	0.05	0.11	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.06	1.17	1.33
2021_Q4_40	11/29/21 0:01	11/29/21 23:01	632	0.07	0.07	0.07	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.33	0.36
2021_Q4_41	11/29/21 23:01	12/2/21 0:01	1,312	0.10	0.22	0.16	0.04	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.07	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.66	0.69	0.76
2021_Q4_42	12/2/21 0:01	12/2/21 23:01	614	0.02	0.14	0.08	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.33	0.33	0.36
2021_Q4_43	12/2/21 23:01	12/6/21 0:01	1,786	0.08	0.39	0.23	0.06	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.96	0.96	1.06
2021_Q4_44	12/6/21 0:01	12/6/21 23:01	572	0.03	0.12	0.07	0.02	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.31	0.31	0.34
2021_Q4_45	12/6/21 23:01	12/9/21 0:01	1,139	0.17	0.30	0.18	0.05	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.86	0.86	0.95
2021_Q4_46	12/9/21 0:01	12/9/21 23:01	1,025	0.26	0.32	0.19	0.06	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.99	0.99	1.10
2021_Q4_47	12/9/21 23:01	12/13/21 0:01	2,865	0.36	0.52	0.36	0.08	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.16	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.56	1.62	1.78
2021_Q4_48	12/13/21 0:01	12/13/21 23:01	795	0.00	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.13	0.13
2021_Q4_49	12/13/21 23:01	12/15/21 9:16	1,071	0.02	0.16	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.38	0.41
2021_Q4_50	12/15/21 9:16	12/16/21 0:01	406	0.02	0.10	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.22	0.25
2021_Q4_51	12/16/21 0:01	12/16/21 8:16	219	0.01	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.12	0.13
2021_Q4_52	12/16/21 8:16	12/16/21 23:01	404	0.02	0.10	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.19	0.23	0.23
2021_Q4_53	12/16/21 23:01	12/20/21 0:01	1,935	0.17	0.51	0.26	0.07	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.09	0.05	0.00	0.17	0.00	0.00	0.02	0.00	0.00	0.08	0.14	1.31	1.46
2021_Q4_54	12/20/21 0:01	12/20/21 23:01	758	0.09	0.20	0.11	0.03	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.07	0.04	0.00	0.06	0.00	0.00	0.02	0.00	0.00	0.03	0.54	0.59	0.72
2021_Q4_55	12/20/21 23:01	12/23/21 0:01	2,306	0.21	0.48	0.26	0.05	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.24	0.12	0.00	0.19	0.00	0.00	0.04	0.00	0.00	0.09	1.27	1.46	1.86
2021_Q4_56	12/23/21 0:01	12/23/21 23:01	1,359	0.09	0.20	0.11	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.16	0.07	0.00	0.12	0.00	0.00	0.02	0.00	0.00	0.05	0.53	0.65	0.91
2021_Q4_57	12/23/21 23:01	12/27/21 0:01	3,034	0.25	0.58	0.30	0.05	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.25	0.19	0.00	0.19	0.00	0.00	0.03	0.00	0.00	0.12	1.48	1.67	2.14
2021_Q4_58	12/27/21 0:01	12/27/21 23:01	728	0.07	0.17	0.09	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.04	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.42	0.45	0.54
2021_Q4_59	12/27/21 23:01	12/30/21 0:01	1,426	0.14	0.34	0.17	0.04	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.85	0.90	1.05
2021_Q4_60	12/30/21 0:01	12/30/21 23:01	625	0.06	0.15	0.07	0.02	0.0																			

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Interval Details			Calculated Mass Load ² (lbs)																								
Interval ID	Start Time ¹	End Time ¹	Total River Volume (MG)	HFOPO-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)
2022_Q2_29	5/16/22 0:01	5/16/22 23:01	1,291	0.07	0.15	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.30	0.34	0.44		
2022_Q2_30	5/16/22 23:01	5/19/22 0:01	2,319	0.12	0.28	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.09	0.00	0.00	0.00	0.00	0.09	0.53	0.62	0.82	
2022_Q2_31	5/19/22 0:01	5/19/22 23:01	950	0.05	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.22	0.26	0.35	
2022_Q2_32	5/19/22 23:01	5/23/22 0:01	2,350	0.14	0.36	0.16	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.09	0.00	0.00	0.00	0.00	0.10	0.70	0.79	1.00	
2022_Q2_33	5/23/22 0:01	5/23/22 23:01	672	0.05	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.03	0.24	0.27	0.32	
2022_Q2_34	5/23/22 23:01	5/26/22 0:01	2,506	0.12	0.32	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.10	0.00	0.11	0.00	0.00	0.00	0.00	0.11	0.62	0.73	0.87	
2022_Q2_35	5/26/22 0:01	5/26/22 23:01	2,011	0.05	0.14	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.11	0.00	0.00	0.00	0.00	0.09	0.26	0.37	0.43		
2022_Q2_36	5/26/22 23:01	5/30/22 0:01	17,243	0.22	0.62	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.47	0.00	0.00	0.00	0.00	0.73	1.12	1.59	1.86	
2022_Q2_37	5/30/22 0:01	5/30/22 23:01	5,584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	
2022_Q2_38	5/30/22 23:01	6/2/22 0:01	8,600	0.13	0.31	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.33	0.57	0.69	0.69	
2022_Q2_39	6/2/22 0:01	6/2/22 23:01	1,146	0.04	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.15	0.18	0.18	
2022_Q2_40	6/2/22 23:01	6/6/22 0:01	2,231	0.12	0.27	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.06	0.00	0.00	0.00	0.00	0.08	0.54	0.60	0.67	
2022_Q2_41	6/6/22 0:01	6/6/22 23:01	596	0.05	0.11	0.06	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.26	0.28	0.31	
2022_Q2_42	6/6/22 23:01	6/9/22 0:01	1,211	0.10	0.21	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.45	0.49	0.55	
2022_Q2_43	6/9/22 0:01	6/9/22 23:01	627	0.06	0.12	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.25	0.27	0.29	
2022_Q2_44	6/9/22 23:01	6/13/22 0:01	2,551	0.21	0.45	0.23	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.11	0.00	0.00	0.00	0.00	0.09	0.95	1.06	1.18	
2022_Q2_45	6/13/22 0:01	6/13/22 23:01	794	0.06	0.13	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.27	0.32	0.36	
2022_Q2_46	6/13/22 23:01	6/16/22 0:01	1,643	0.11	0.29	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.11	0.00	0.00	0.01	0.00	0.00	0.05	0.57	0.68	0.78
2022_Q2_47	6/16/22 0:01	6/16/22 23:01	652	0.04	0.12	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.01	0.00	0.00	0.02	0.23	0.28	0.32	
2022_Q2_48	6/16/22 23:01	6/20/22 0:01	2,015	0.15	0.36	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.07	0.75	0.82	0.90
2022_Q2_49	6/20/22 0:01	6/20/22 23:01	626	0.05	0.11	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.24	0.24	0.24	
2022_Q2_50	6/20/22 23:01	6/23/22 0:01	1,346	0.11	0.22	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.49	0.49	0.49	
2022_Q2_51	6/23/22 0:01	6/23/22 23:01	571	0.04	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.20	0.20	
2022_Q2_52	6/23/22 23:01	6/27/22 0:01	1,663	0.14	0.28	0.17	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.08	0.00	0.00	0.00	0.00	0.05	0.63	0.71	0.76	
2022_Q2_53	6/27/22 0:01	6/27/22 23:01	524	0.05	0.10	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.22	0.27	0.30	
2022_Q2_54	6/27/22 23:01	6/30/22 0:01	1,216	0.11	0.24	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.10	0.00	0.00	0.00	0.00	0.04	0.51	0.61	0.70	
2022_Q2_55	6/30/22 0:01	7/1/22 0:00	690	0.06	0.14	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.30	0.35	0.40	
2022_Q3_1	7/1/22 0:00	7/4/22 0:01	1,921	0.09	0.19	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.41	0.48	0.55	
2022_Q3_2	7/4/22 0:01	7/4/22 23:01	681	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022_Q3_3	7/4/22 23:01	7/8/22 0:01	2,100	0.00	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.13	0.13	0.13	
2022_Q3_4	7/8/22 0:01	7/8/22 23:01	1,200	0.00	0.09	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.15	0.15	
2022_Q3_5	7/8/22 23:01	7/9/22 0:01	85	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.03	
2022_Q3_6	7/9/22 0:01	7/9/22 23:01	1,995	0.23	0.20	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.17	0.00	0.12	0.00	0.00	0.00	0.00	0.08	0.63	0.75	1.12
2022_Q3_7	7/9/22 23:01	7/11/22 0:01	2,462	0.21	0.27	0.17	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.17	0.00	0.15	0.00	0.00	0.00	0.00	0.09	0.67		

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)		
Interval ID	Start Time ¹	End Time ¹		HFO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMFA	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				
2022_Q3_26	8/10/22 23:01	8/12/22 0:01	599	0.05	0.10	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.21	0.22	0.24		
2022_Q3_27	8/12/22 0:01	8/12/22 23:01	489	0.03	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.15	0.15	
2022_Q3_28	8/12/22 23:01	8/15/22 0:01	1,691	0.11	0.20	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.45	0.52	0.59	
2022_Q3_29	8/15/22 0:01	8/15/22 23:01	691	0.04	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.16	0.22	0.28	
2022_Q3_30	8/15/22 23:01	8/18/22 0:01	1,942	0.11	0.21	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.47	0.55	0.63	
2022_Q3_31	8/18/22 0:01	8/18/22 23:01	721	0.04	0.07	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.18	0.18		
2022_Q3_32	8/18/22 23:01	8/22/22 0:01	2,225	0.12	0.22	0.15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.51	0.61	0.61	
2022_Q3_33	8/22/22 0:01	8/22/22 23:01	907	0.05	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19	0.28	0.28	
2022_Q3_34	8/22/22 23:01	8/25/22 0:01	2,483	0.06	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.33	0.45	0.45	
2022_Q3_35	8/25/22 0:01	8/25/22 23:01	1,093	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.06	0.06	
2022_Q3_36	8/25/22 23:01	8/29/22 0:01	2,709	0.06	0.22	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.37	0.37	0.37	
2022_Q3_37	8/29/22 0:01	8/29/22 23:01	655	0.03	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.14	0.14	
2022_Q3_38	8/29/22 23:01	9/1/22 0:01	1,193	0.07	0.22	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.39	0.45	0.47	
2022_Q3_39	9/1/22 0:01	9/1/22 23:01	556	0.04	0.14	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.24	0.29	0.32	
2022_Q3_40	9/1/22 23:01	9/5/22 0:01	1,705	0.12	0.43	0.16	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.74	0.87	0.94	
2022_Q3_41	9/5/22 0:01	9/5/22 23:01	512	0.04	0.12	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.22	0.25	0.27	
2022_Q3_42	9/5/22 23:01	9/8/22 0:01	1,137	0.08	0.20	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.44	0.53	0.55	
2022_Q3_43	9/8/22 0:01	9/8/22 23:01	582	0.04	0.06	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.26	0.26	
2022_Q3_44	9/8/22 23:01	9/12/22 0:01	3,638	0.18	0.20	0.24	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.67	0.85	0.85	
2022_Q3_45	9/12/22 0:01	9/12/22 23:01	3,037	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.11	0.11	0.11	
2022_Q3_46	9/12/22 23:01	9/15/22 0:01	2,875	0.09	0.17	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.16	0.00	0.03	0.00	0.00	0.06	0.00	0.00	0.10	0.34	0.37	0.66	
2022_Q3_47	9/15/22 0:01	9/15/22 23:01	861	0.03	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.18	0.20	0.37	
2022_Q3_48	9/15/22 23:01	9/19/22 0:01	2,013	0.10	0.32	0.15	0.02	0.00	0.00	0.12	0.00	0.00	0.00	0.11	0.17	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.07	0.70	0.76	1.11		
2022_Q3_49	9/19/22 0:01	9/19/22 23:01	602	0.04	0.12	0.06	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.03</														

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)
Interval ID	Start Time ¹	End Time ¹		HFO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMFA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCAs	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFeca_B	PFeca_G	PFHpA		
2022_Q4_23	11/7/22 23:01	11/9/22 9:00	895	0.06	0.21	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.41	0.45	0.49
2022_Q4_24	11/9/22 9:00	11/10/22 0:01	383	0.03	0.10	0.05	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.22	0.24
2022_Q4_25	11/10/22 0:01	11/10/22 23:01	539	0.04	0.14	0.07	0.02	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.33	0.35	0.38
2022_Q4_26	11/10/22 23:01	11/12/22 0:01	687	0.07	0.09	0.11	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.36	0.39	0.41
2022_Q4_27	11/12/22 0:01	11/12/22 23:01	1,060	0.12	0.00	0.19	0.04	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.48	0.51	0.51
2022_Q4_28	11/12/22 23:01	11/14/22 0:01	1,399	0.12	0.00	0.17	0.03	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.40	0.44	0.44
2022_Q4_29	11/14/22 0:01	11/14/22 23:01	1,221	0.06	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.14	0.18	0.18
2022_Q4_30	11/14/22 23:01	11/17/22 0:01	2,392	0.15	0.25	0.20	0.03	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.11	0.73	0.80	0.87
2022_Q4_31	11/17/22 0:01	11/17/22 23:01	816	0.06	0.17	0.08	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.40	0.43	0.48
2022_Q4_32	11/17/22 23:01	11/21/22 0:01	2,162	0.15	0.39	0.19	0.05	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.07	0.13	0.00	0.09	0.00	0.00	0.00	0.00	0.10	1.00	1.09	1.29
2022_Q4_33	11/21/22 0:01	11/21/22 23:01	703	0.04	0.11	0.05	0.01	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.30	0.34	0.43
2022_Q4_34	11/21/22 23:01	11/24/22 0:01	1,378	0.09	0.20	0.13	0.03	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.06	0.61	0.67	0.76
2022_Q4_35	11/24/22 0:01	11/24/22 23:01	596	0.04	0.08	0.06	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.27	0.29	0.29
2022_Q4_36	11/24/22 23:01	11/28/22 0:01	2,269	0.15	0.27	0.23	0.05	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.94	0.98	0.98
2022_Q4_37	11/28/22 0:01	11/28/22 23:01	1,120	0.07	0.11	0.10	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.41	0.41	0.41
2022_Q4_38	11/28/22 23:01	12/1/22 0:01	5,791	0.25	0.29	0.35	0.05	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	1.50	1.50	1.50
2022_Q4_39	12/1/22 0:01	12/1/22 23:01	3,501	0.10	0.00	0.10	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.52	0.52	0.52
2022_Q4_40	12/1/22 23:01	12/5/22 0:01	12,770	0.33	0.30	0.36	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1.57	1.57	1.57
2022_Q4_41	12/5/22 0:01	12/5/22 23:01	2,807	0.06	0.13	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.27	0.27	0.27
2022_Q4_42	12/5/22 23:01	12/8/22 0:01	4,158	0.26	0.32	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.77	0.77	0.82
2022_Q4_43	12/8/22 0:01	12/8/22 23:01	1,112	0.11	0.12	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.33
2022_Q4_44	12/8/22 23:01	12/12/22 0:01	5,039	0.32	0.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.11
2022_Q4_45	12/12/22 0:01	12/12/22 23:01	1,783	0.05	0.13	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.26	0.26
2022_Q4_46	12/12/22 23:01	12/17/22 0:01	6,010	0.23	0.21	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.69	0.69	0.69
2022_Q4_47	12/17/22																									

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

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

Geosyntec Consultants of NC, P.C.

TABLE B3
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details			Total River Volume (MG)	Calculated Mass Load ² (lbs)																				Total Attachment C ³	Total Table 3+ (17 Compounds) ⁴	Total Table 3+ (20 Compounds)	
Interval ID	Start Time ¹	End Time ¹		HFO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMFA	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			
2023_Q3_15	7/20/23 23:01	7/24/23 0:01	4,134	0.16	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.13	0.63	0.63	0.86	
2023_Q3_16	7/24/23 0:01	7/24/23 23:01	1,173	0.04	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.04	0.21	0.21	0.28
2023_Q3_17	7/24/23 23:01	7/27/23 8:46	2,242	0.09	0.18	0.14	0.02	0.00	0.00	0.09	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.08	0.52	0.52	0.62
2023_Q3_18	7/27/23 8:46	7/27/23 10:18	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
2023_Q3_19	7/27/23 10:18	7/27/23 13:46	100	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03
2023_Q3_20	7/27/23 13:46	7/27/23 23:01	272	0.01	0.02	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.08	0.08
2023_Q3_21	7/27/23 23:01	7/31/23 0:01	1,869	0.08	0.14	0.11	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.56	0.56	0.58
2023_Q3_22	7/31/23 0:01	7/31/23 23:01	528	0.02	0.04	0.03	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.17	0.17	0.17
2023_Q3_23	7/31/23 23:01	8/3/23 0:01	1,147	0.05	0.15	0.08	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.44	0.44	0.50	
2023_Q3_24	8/3/23 0:01	8/3/23 23:01	592	0.03	0.10	0.04	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.26	0.26	0.32
2023_Q3_25	8/3/23 23:01	8/7/23 0:01	2,380	0.11	0.39	0.15	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.10	0.03	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.07	1.07	1.07	1.25
2023_Q3_26	8/7/23 0:01	8/7/23 23:01	576	0.03	0.09	0.04	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.26	0.26	0.30
2023_Q3_27	8/7/23 23:01	8/10/23 0:01	1,384	0.07	0.10	0.08	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.39	0.39	0.43
2023_Q3_28	8/10/23 0:01	8/10/23 23:01	589	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.06	0.06
2023_Q3_29	8/10/23 23:01	8/14/23 0:01	2,032	0.11	0.11	0.11	0.00	0.00	0.02	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.52	0.52	0.52
2023_Q3_30	8/14/23 0:01	8/14/23 23:01	585	0.03	0.06	0.03	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.18	0.18
2023_Q3_31	8/14/23 23:01	8/17/23 0:01	1,545	0.08	0.21	0.09	0.00	0.00	0.01	0.33	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.72	0.72	0.75
2023_Q3_32	8/17/23 0:01	8/17/23 23:01	695	0.03	0.12	0.04	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.36	0.36	0.39
2023_Q3_33	8/17/23 23:01	8/21/23 0:01	1,830	0.08	0.34	0.11	0.00	0.00	0.40	0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.93	0.93	1.00
2023_Q3_34	8/21/23 0:01	8/21/23 23:01	524	0.02	0.10	0.03	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26	0.26	0.28
2023_Q3_35	8/21/23 23:01	8/24/23 0:01	1,123	0.05	0.14	0.08	0.01	0.00	0.00	0.18	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.46	0.46	0.50
2023_Q3_36	8/24/23 0:01	8/24/23 23:01	532	0.02	0.02	0.04	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.17	0.17	0.18
2023_Q3_37	8/24/23 23:01	8/28/23 0:01	1,661	0.08	0.27	0.12	0.03	0.00	0.00	0.24	0.00	0.00	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.75	0.80	0.84
2023_Q3_38	8/28/23 0:01	8/28/23 23:01	775	0.04	0.22	0.06	0.01	0.00	0.00	0.12	0.00	0.00	0.00	0.02</													

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-83-033120	3/31/20 12:00	83	52	52	63	23,917	--	16	16	19
CFR-TARHEEL-83-033120-D	3/31/20 12:00	83	56	56	65	23,917	--	17	17	20
CFR-TARHEEL-48-040220	4/2/20 13:00	48	86	86	110	7,171	--	14	14	17
CAP1Q20-CFR-TARHEEL-040220	4/2/20 15:45	0	89	91	130	--	4,770	12	12	18
CAP1Q20-CFR-TARHEEL-24-040320	4/3/20 15:00	24	120	120	160	2,393	--	13	13	16
CFR-TARHEEL-83-040620	4/6/20 0:30	83	120	130	160	6,589	--	10	11	13
CFR-TARHEEL-79-040920	4/9/20 6:30	79	190	200	250	4,410	--	11	12	14
CFR-TARHEEL-83-041920	4/19/20 1:30	83	71	71	81	14,667	--	13	13	15
CFR-TARHEEL-83-042220	4/22/20 13:30	83	120	120	130	7,312	--	11	11	12
CFR-TARHEEL-83-042620	4/26/20 0:49	83	110	110	140	7,527	--	10	11	14
CFR-TARHEEL-83-042920	4/29/20 11:49	83	120	130	170	6,047	--	9.2	9.9	13
CFR-TARHEEL-62-050220	5/2/20 23:49	62	83	86	130	14,309	--	20	21	31
CFR-TARHEEL-83-050620	5/6/20 11:49	83	51	51	74	19,278	--	12	12	18
CFR-TARHEEL-83-051120	5/9/20 11:49	83	79	82	110	13,134	--	13	14	19
CFR-TARHEEL-83-051320	5/13/20 9:49	83	140	140	190	4,305	--	7.6	7.8	11
CAP2Q20-CFR-TARHEEL-051420	5/14/20 8:55	0	190	200	270	--	1,540	8.3	8.7	12
CAP2Q20-TARHEEL-24-051820	5/14/20 20:50	24	180	190	250	941	--	7.4	7.8	11
CFR-TARHEEL-83-051620	5/16/20 19:49	83	190	190	260	3,127	--	7.5	7.6	10
CFR-TARHEEL-83-052020	5/20/20 8:49	83	260	260	340	2,877	--	9.5	9.5	12
CFR-TARHEEL-052520	5/25/20 10:15	0	4.2	4.2	9.6	--	23,500	2.8	2.8	6.4
CFR-TARHEEL-052920	5/29/20 9:10	0	11	11	11	--	15,500	4.8	4.8	4.8
CFR-TARHEEL-060120	6/1/20 14:25	0	9.2	9.2	15	--	23,200	6	6	9.9
CFR-TARHEEL-060120-D	6/1/20 14:25	0	11	11	13	--	23,200	7.2	7.2	8.5
CFR-TARHEEL-060520	6/5/20 10:55	0	47	47	53	--	14,700	20	20	22
CFR-TARHEEL-39-060820	6/8/20 21:06	82	45	45	58	27,308	--	16	16	20
CFR-TARHEEL-83-061220	6/12/20 8:06	82	72	72	93	15,170	--	14	14	18
CFR-TARHEEL-83-061520	6/15/20 19:06	82	75	75	88	15,365	--	15	15	17
CFR-TARHEEL-83-061920	6/19/20 6:06	82	90	90	100	23,166	--	27	27	30
CFR-TARHEEL-83-062220	6/22/20 17:06	82	40	40	49	31,376	--	16	16	20
CFR-TARHEEL-83-062620	6/26/20 4:06	82	79	79	110	18,438	--	19	19	25
CFR-TARHEEL-83-062920	6/29/20 15:06	82	120	120	160	9,620	--	15	15	19
CFR-TARHEEL-65-070220	7/2/20 8:06	64	84	87	100	4,375	--	6	6.3	7.4
CFR-TARHEEL-24-070320	7/3/20 7:29	24	150	150	210	1,532	--	10	10	14
CFR-TARHEEL-24-070720	7/7/20 7:29	24	190	190	250	1,246	--	10	10	14
CFR-TARHEEL-24-071020	7/10/20 11:01	24	150	150	200	1,611	--	11	11	14
CFR-TARHEEL-24-071020-D	7/10/20 11:01	24	150	160	210	1,611	--	11	11	15
CFR-TARHEEL-24-071320	7/13/20 23:01	24	140	150	210	1,618	--	9.9	10	15
CFR-TARHEEL-24-071620	7/16/20 23:01	24	160	170	210	1,354	--	9.5	10	12
CFR-TARHEEL-24-072020	7/20/20 23:01	24	170	180	180	1,220	--	9.1	9.5	9.5
CFR-TARHEEL-24-072220	7/22/20 23:01	24	99	100	150	1,236	--	5.4	5.6	7.9
CFR-TARHEEL-24-072320	7/23/20 23:01	24	150	160	200	1,074	--	7.1	7.3	9.5
CFR-TARHEEL-12-072720	7/27/20 11:01	11	78	81	110	814	--	6.1	6.3	8.4
CAP3Q20-CFR-TARHEEL-072820	7/28/20 16:20	0	75	78	78	--	2,780	5.9	6.1	6.1
CAP3Q20-CFR-TARHEEL-24-072920	7/29/20 23:01	24	94	97	120	1,849	--	7.6	7.9	9.5
CFR-TARHEEL-24-073020	7/30/20 23:01	24	78	81	99	2,507	--	8.6	8.9	11
CFR-TARHEEL-080320	8/3/20 14:50	0	110	120	140	--	2,450	7.6	8.3	9.7
CFR-TARHEEL-080420	8/4/20 12:30	0	210	210	240	--	4,250	25	25	29
CFR-TARHEEL-24-080620	8/6/20 22:55	24	21	21	24	5,690	--	5.2	5.2	5.9
CFR-TARHEEL-24-081020	8/10/20 21:56	24	36	36	36	3,800	--	6	6	6

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-081220	8/12/20 23:01	24	46	46	72	5,031	--	10	10	16
CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	8,286	--	9.1	8.9	13
CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	5,613	--	12	11	16
CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	3,962	--	10	10	10
CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	3,855	--	7.4	7.5	9.5
CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	1,913	--	4.9	5	6.2
CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	1,093	--	7.7	7.6	11
CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	1,275	--	4.7	4.9	6.5
CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	1,014	--	4.4	4.9	6.8
CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	780	--	13	14	23
CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	4,270	--	11	11	13
CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	2,865	--	8.7	8.6	10
CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	2,859	--	8.8	8.8	11
CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	5,262	--	16	16	19
CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	6,296	--	14	14	16
CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	5,929	--	4.2	4.2	5.6
CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	7,267	--	24	23	31
CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	6,338	--	5.6	5.5	5.5
CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	945	--	2.7	2.7	3.2
CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	1,729	--	3	3	3.5
CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	2,637	--	20	20	25
CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	5,573	--	6.3	6.4	8.5
CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	4,730	--	6.6	6.5	8.7
CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	3,168	--	7.1	7	7
CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	2,432	--	6	6.4	8.7
CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	2,629	--	8.1	8.5	11
CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	4,099	--	9.2	9.7	10
CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	2,709	--	7.7	7.8	8.4
CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	1,486	--	5.9	6	8.2
CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	1,447	--	4.7	4.9	7.1
CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	4,027	--	51	51	66
CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13
CFR-TARHEEL-24-112420	11/24/20 23:01	24	31	31	38	7,301	--	9.9	10	12
CFR-TARHEEL-24-112620	11/26/20 23:01	24	36	36	45	5,176	--	8.2	8.2	10
CFR-TARHEEL-24-113020	11/30/20 23:01	24	94	94	120	4,053	--	17	17	20
CFR-TARHEEL-24-120320	12/3/20 23:01	24	46	46	53	8,140	--	16	17	19
CFR-TARHEEL-24-120720	12/7/20 23:01	24	25	25	40	6,729	--	7.4	7.2	12
CFR-TARHEEL-24-121020	12/10/20 23:01	24	29	29	29	5,662	--	7.2	7.3	7.3
CFR-TARHEEL-24-121320	12/13/20 23:01	24	43	43	60	3,201	--	6	6.1	8.4
CFR-TARHEEL-12-121420	12/14/20 11:59	11	48	48	66	1,403	--	6.4	6.5	8.8
CAP1220-TARHEEL-121620	12/15/20 16:11	0	70	74	84	--	6,270	12	13	15
CFR-TARHEEL-121720	12/17/20 12:29	0	13	13	20	--	14,200	5.2	5.2	8
CFR-TARHEEL-122120	12/21/20 13:52	0	18	18	24	--	14,000	7.1	7.1	9.5
CFR-TARHEEL-122320	12/23/20 9:30	0	7.1	7.1	10	--	14,400	2.9	2.9	4.1

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
CFR-TARHEEL-010621	1/6/21 12:10	0	9.3	9.3	9.3	--	23,100	6.1	6.1	6.1
CFR-TARHEEL-010721	1/7/21 11:00	0	7	7	7	--	20,500	4.1	4.1	4.1
CFR-TARHEEL-011121	1/11/21 10:30	0	24	24	31	--	15,200	10	10	13
CFR-TARHEEL-011421	1/14/21 12:40	0	42	42	51	--	7,480	8.9	8.9	11
CFR-TARHEEL-24-012121	1/21/21 23:01	23	53	53	66	3,263	--	7.9	7.9	9.8
CFR-TARHEEL-24-012221	1/22/21 23:01	23	55	55	70	3,128	--	7.9	7.9	10
CAP0121-CFR-TARHEEL-012621	1/26/21 15:00	0	91	94	130	--	4,890	13	13	18
CAP0121-CFR-TARHEEL-24-012721	1/27/21 15:10	23	67	67	88	4,679	--	14	14	19
CFR-TARHEEL-24-012721	1/27/21 23:01	23	58	58	74	5,547	--	15	15	19
CFR-TARHEEL-24-012821	1/28/21 23:01	23	44	44	55	8,087	--	16	16	20
CFR-TARHEEL-020121	2/1/21 10:05	0	32	32	35	--	15,700	14	14	16
CFR-TARHEEL-020421	2/4/21 16:35	0	19	19	24	--	19,100	10	10	13
CFR-TARHEEL-020821	2/8/21 16:00	0	0	0	0	--	18,400	0	0	0
CFR-TARHEEL-38-021221	2/12/21 14:01	38	62	62	73	8,621	--	15	15	17
CFR-TARHEEL-021621	2/16/21 12:00	0	22	22	22	--	28,200	18	18	18
CFR-TARHEEL-021921	2/19/21 13:35	0	38	38	46	--	27,600	30	30	36
CFR-TARHEEL-022221	2/22/21 9:35	0	36	36	48	--	21,900	22	22	30
CAP0221-CFR-TARHEEL-022421	2/24/21 15:15	0	26	26	34	--	17,700	13	13	17
CFR-TARHEEL-022521	2/25/21 12:20	0	30	30	36	--	16,800	14	14	17
CFR-TARHEEL-24-030521	3/5/21 23:01	23	22	22	34	11,679	--	12	12	18
CFR-TARHEEL-24-030621	3/6/21 23:01	23	44	44	54	11,182	--	22	22	28
CFR-TARHEEL-24-030821	3/8/21 23:01	23	22	22	28	10,420	--	10	11	14
CFR-TARHEEL-24-031121	3/11/21 23:01	23	49	49	58	7,008	--	16	16	19
CFR-TARHEEL-24-031521	3/15/21 23:01	23	45	45	53	5,536	--	11	11	13
CFR-TARHEEL-24-031821	3/18/21 23:01	23	34	34	41	8,348	--	13	13	16
CFR-TARHEEL-24-032421	3/24/21 23:01	23	65	75	120	5,015	--	15	17	27
CFR-TARHEEL-24-032521	3/25/21 23:01	23	69	72	79	4,936	--	16	16	18
CAP0321-CFR-TARHEEL-032921	3/29/21 12:10	0	14	14	20	--	14,900	5.9	5.9	8.4
CAP0321-CFR-TARHEEL-21-033021	3/30/21 8:50	20	11	11	20	8,498	--	4.9	4.8	9
CFR-TARHEEL-24-032921	3/29/21 23:01	23	16	16	20	9,301	--	6.8	6.8	8.5
CFR-TARHEEL-24-033121	3/31/21 23:01	23	15	15	18	10,755	--	7.4	7.1	8.7
CFR-TARHEEL-24-033121-D	3/31/21 23:01	23	15	15	18	10,755	--	7.4	7.5	8.9
CFR-TARHEEL-24-040521	4/5/21 23:01	23	190	190	260	2,917	--	25	26	35
CFR-TARHEEL-24-040721	4/7/21 23:01	23	86	86	110	2,732	--	11	11	13
CFR-TARHEEL-24-041221	4/12/21 23:01	23	72	72	100	3,633	--	12	12	17
CFR-TARHEEL-24-041521	4/15/21 23:01	23	67	67	81	3,018	--	9.2	9.2	11
CFR-TARHEEL-24-041821	4/18/21 23:01	23	110	110	140	2,065	--	10	10	14
CFR-TARHEEL-24-041921	4/19/21 23:01	23	220	220	270	2,006	--	20	21	25
CAP0421-CFR-TARHEEL-042021	4/20/21 15:00	0	110	110	140	--	2,880	9	9	11
CAP0421-CFR-TARHEEL-5-042121	4/21/21 14:48	4	160	160	210	247	--	10	10	14
CAP0421-CFR-TARHEEL-24-042221	4/22/21 13:20	23	140	140	530	1,285	--	8.2	8.5	31
CFR-TARHEEL-042721	4/27/21 19:10	0	150	150	200	--	1,940	8.2	8.2	11
CFR-TARHEEL-24-042821	4/28/21 23:01	23	120	130	160	1,296	--	7.1	7.5	9.6
CFR-TARHEEL-24-050321	5/3/21 23:01	23	100	110	150	1,340	--	6.1	7	9.4
CFR-TARHEEL-24-050621	5/6/21 23:01	0	130	130	170	--	1,780	6.6	6.6	8.6
CFR-TARHEEL-24-051021	5/10/21 23:01	23	81	89	120	2,082	--	7.7	8.5	12

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-051221	5/12/21 23:01	23	89	94	130	1,472	--	6	6.3	8.8
CFR-TARHEEL-24-051721	5/17/21 23:01	23	110	110	140	1,064	--	5.4	5.4	7
CFR-TARHEEL-24-052021	5/20/21 23:01	23	120	130	170	879	--	4.8	5.2	6.7
CFR-TARHEEL-24-052421	5/24/21 23:01	23	150	160	190	697	--	4.8	5	6.2
CAP0521-CFR-TARHEEL-052621	5/26/21 11:25	0	91	95	95	--	1,210	3.1	3.3	3.3
CAP0521-CFR-TARHEEL-24-052721	5/27/21 13:18	23	140	150	190	763	--	4.9	5.2	6.7
CFR-TARHEEL-24-052721	5/27/21 23:01	23	160	160	200	753	--	5.5	5.6	6.8
CFR-TARHEEL-24-060221	6/2/21 23:01	23	130	130	170	792	--	4.7	4.8	6
CFR-TARHEEL-24-060321	6/3/21 23:01	23	290	290	380	1,020	--	14	14	18
CFR-TARHEEL-24-060721	6/7/21 23:01	23	81	87	120	2,028	--	7.5	8	11
CFR-TARHEEL-24-061221	6/12/21 23:01	23	180	180	230	2,320	--	19	19	25
CFR-TARHEEL-24-061521	6/15/21 23:01	23	59	59	65	2,676	--	7.2	7.2	8
CAP0621-CFR-TARHEEL-24-061621	6/16/21 14:35	23	55	55	60	2,841	--	7.1	7.1	7.8
CFR-TARHEEL-24-061721	6/17/21 23:01	23	57	57	62	2,428	--	6.3	6.3	6.9
CFR-TARHEEL-24-062221	6/22/21 23:01	23	77	77	77	1,707	--	6	6	6
CFR-TARHEEL-24-062421	6/24/21 23:01	23	79	87	120	1,690	--	6.1	6.7	9.4
CFR-TARHEEL-24-070121	7/1/21 11:35	0	82	87	93	--	1,610	3.7	4	4.2
CFR-TARHEEL-24-070221	7/2/21 23:01	24	83	88	96	908	--	3.4	3.7	4
CFR-TARHEEL-24-070721	7/7/21 23:01	24	72	80	120	1,018	--	3.3	3.7	5.3
CFR-TARHEEL-24-070821	7/8/21 23:01	24	110	110	120	1,315	--	6.6	6.7	7
CFR-TARHEEL-24-071221	7/12/21 23:01	24	37	37	44	5,024	--	8.5	8.5	10
CFR-TARHEEL-24-071221-D	7/12/21 23:01	24	45	45	57	5,024	--	10	10	13
CFR-TARHEEL-24-071521	7/15/21 23:01	24	57	57	62	1,873	--	4.9	4.9	5.3
CFR-TARHEEL-24-071921	7/19/21 23:01	24	61	65	91	1,146	--	3.2	3.4	4.8
CFR-TARHEEL-24-072221	7/22/21 23:01	24	51	51	72	4,749	--	11	11	16
CFR-TARHEEL-24-072621	7/26/21 23:01	24	65	65	67	985	--	2.9	2.9	3
CAP0721-CFR-TARHEEL-072821	7/28/21 8:50	0	46	50	54	--	4,210	5.5	6	6.4
CAP0721-CFR-TARHEEL-24-072821	7/29/21 16:45	24	60	65	79	1,615	--	4.4	4.8	5.8
CFR-TARHEEL-24-072921	7/29/21 23:01	24	52	56	69	1,541	--	3.7	4	4.9
CFR-TARHEEL-24-080221	8/2/21 23:01	24	100	110	150	843	--	3.9	4.1	5.6
CFR-TARHEEL-24-080521	8/5/21 23:01	24	120	130	190	778	--	4.3	4.6	6.6
CFR-TARHEEL-24-081221	8/12/21 23:01	24	93	100	120	904	--	3.8	4.2	4.8
CFR-TARHEEL-24-081221-DUP	8/12/21 23:01	24	90	99	110	904	--	3.7	4.1	4.5
CFR-TARHEEL-24-081321	8/13/21 23:01	24	80	90	100	860	--	3.1	3.5	4.1
CFR-TARHEEL-24-081621	8/16/21 23:01	24	75	78	100	675	--	2.3	2.4	3.1
CAP0821-CFR-TARHEEL-081921	8/19/21 9:50	0	82	89	110	--	2,140	5	5.4	6.7
CFR-TARHEEL-24-081921	8/19/21 23:01	24	74	82	120	1,532	--	5.2	5.7	8.4
CAP0821-CFR-TARHEEL-24-082021	8/20/21 7:30	24	67	67	67	1,706	--	5.2	5.2	5.2
CFR-TARHEEL-24-082321	8/23/21 23:01	24	37	40	44	2,100	--	3.6	3.9	4.3
CFR-TARHEEL-24-082621	8/26/21 23:01	24	47	50	56	1,627	--	3.5	3.7	4.2
CFR-TARHEEL-24-082921	8/29/21 23:01	24	43	46	57	752	--	1.5	1.6	1.9
CFR-TARHEEL-24-090221	9/2/21 23:01	24	53	57	68	600	--	1.5	1.5	1.9
CFR-TARHEEL-24-090621	9/6/21 23:01	24	72	78	84	587	--	1.9	2.1	2.3
CFR-TARHEEL-24-090921	9/9/21 23:01	24	69	76	81	628	--	2	2.2	2.3
CFR-TARHEEL-24-091321	9/13/21 23:01	24	66	77	97	787	--	2.4	2.8	3.5
CFR-TARHEEL-24-091321-D	9/13/21 23:01	24	65	76	97	787	--	2.3	2.7	3.5
CAP0921-CFR-TARHEEL-091521	9/15/21 9:00	0	100	110	140	--	1,060	3	3.3	4.2
CAP0921-CFR-TARHEEL-24-091521	9/15/21 20:36	24	93	100	130	633	--	2.7	3	3.7
CFR-TARHEEL-24-091621	9/16/21 23:01	24	96	110	140	597	--	2.6	3	3.7

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-092021	9/20/21 23:01	24	82	87	100	608	--	2.3	2.4	2.8
CFR-TARHEEL-24-092121	9/21/21 23:01	24	83	87	97	584	--	2.2	2.3	2.6
CFR-TARHEEL-24-092721	9/27/21 23:01	24	48	48	62	1,341	--	2.9	2.9	3.8
CFR-TARHEEL-24-093021	9/30/21 23:01	24	88	91	110	620	--	2.5	2.6	3.2
CFR-TARHEEL-24-100421	10/4/21 23:01	24	80	83	93	515	--	1.9	1.9	2.2
CFR-TARHEEL-24-100721	10/7/21 23:01	24	79	85	110	637	--	2.3	2.5	3.1
CFR-TARHEEL-24-101121	10/11/21 23:01	24	18	24	35	4,496	--	3.7	4.8	7.2
CFR-TARHEEL-24-101121-D	10/11/21 23:01	24	18	23	28	4,496	--	3.7	4.8	5.8
CFR-TARHEEL-24-101521	10/15/21 23:01	24	51	51	56	763	--	1.8	1.8	2
CFR-TARHEEL-24-101821	10/18/21 23:01	24	72	74	82	591	--	1.9	2	2.2
CAP1021-CFR-TARHEEL-102021	10/20/21 11:50	0	80	86	110	--	927	2.1	2.3	2.9
CAP1021-CFR-TARHEEL-24-102121	10/21/21 15:24	24	87	94	120	556	--	2.2	2.4	3.1
CFR-TARHEEL-24-102121	10/21/21 23:01	24	87	93	120	549	--	2.2	2.3	3
CFR-TARHEEL-24-102521	10/25/21 23:01	24	81	88	97	560	--	2.1	2.3	2.5
CFR-TARHEEL-24-102821	10/28/21 23:01	24	72	78	86	572	--	1.9	2	2.2
CFR-TARHEEL-24-110121	11/1/21 23:01	24	72	77	89	720	--	2.4	2.5	2.9
CFR-TARHEEL-24-110421	11/4/21 23:01	24	72	79	90	628	--	2.1	2.3	2.6
CFR-TARHEEL-24-110821	11/8/21 23:01	24	77	84	110	587	--	2.1	2.3	2.8
CFR-TARHEEL-24-110821-D	11/8/21 23:01	24	74	81	97	587	--	2	2.2	2.6
CAP1121-CFR-TARHEEL-111021	11/10/21 10:50	0	79	85	92	--	935	2.1	2.3	2.4
CAP1121-CFR-TARHEEL-24-111121	11/11/21 15:36	24	78	84	92	563	--	2	2.2	2.4
CFR-TARHEEL-24-111121	11/11/21 23:01	24	79	85	93	584	--	2.1	2.3	2.5
CFR-TARHEEL-24-111521	11/15/21 23:01	24	68	77	100	663	--	2.1	2.3	3
FAY-CFR-TARHEEL-A-111521	11/15/21 12:55	0	68	76	90	--	1,070	2.1	2.3	2.7
FAY-CFR-TARHEEL-B-111521	11/15/21 12:55	0	75	87	130	--	1,070	2.3	2.6	3.9
FAY-CFR-TARHEEL-C-111521	11/15/21 12:55	0	60	70	87	--	1,070	1.8	2.1	2.6
FAY-CFR-TARHEEL-D-111521	11/15/21 12:55	0	95	100	140	--	1,070	2.9	3	4.2
CFR-TARHEEL-24-111821	11/18/21 23:01	24	94	100	120	587	--	2.5	2.7	3.3
CFR-TARHEEL-24-112221	11/22/21 23:01	24	62	68	73	591	--	1.7	1.8	2
CFR-TARHEEL-24-112521	11/25/21 23:01	24	61	68	80	719	--	2	2.2	2.6
CFR-TARHEEL-24-112921	11/29/21 23:01	24	56	62	68	642	--	1.6	1.8	2
CFR-TARHEEL-24-120221	12/2/21 23:01	24	65	65	71	621	--	1.8	1.8	2
CFR-TARHEEL-24-120621	12/6/21 23:01	24	64	64	71	581	--	1.7	1.7	1.9
CFR-TARHEEL-24-120921	12/9/21 23:01	24	120	120	130	1,039	--	5.7	5.5	6.1
CFR-TARHEEL-24-121321	12/13/21 23:01	24	15	20	20	810	--	0.56	0.73	0.73
CAP1221-CFR-TARHEEL-121521	12/15/21 10:35	0	32	42	51	--	1,120	1	1.3	1.6
CAP1221-CFR-TARHEEL-24-121621	12/16/21 8:16	24	52	64	73	652	--	1.6	1.9	2.2
CFR-TARHEEL-24-121621	12/16/21 23:01	24	56	68	68	640	--	1.6	2	2
CFR-TARHEEL-24-122021	12/20/21 23:01	24	85	94	110	787	--	3.1	3.4	4.1
CFR-TARHEEL-24-122321	12/23/21 23:01	24	47	58	80	1,376	--	3	3.6	5
CFR-TARHEEL-24-122721	12/27/21 23:01	24	70	74	89	748	--	2.4	2.5	3
CFR-TARHEEL-24-123021	12/30/21 23:01	24	73	76	87	656	--	2.2	2.3	2.6
CFR-TARHEEL-24-010222	1/2/22 23:01	24	53	56	60	1,289	--	3.1	3.3	3.5
CFR-TARHEEL-24-010322	1/3/22 23:01	24	95	99	120	2,200	--	9.6	10	12
CFR-TARHEEL-24-011122	1/11/22 23:01	24	20	20	26	3,270	--	3	2.9	3.8
CFR-TARHEEL-24-011322	1/13/22 23:01	24	8.4	8.4	13	3,827	--	1.5	1.5	2.2
CFR-TARHEEL-24-011922	1/19/22 23:01	24	12	12	17	4,553	--	2.5	2.4	3.6
CFR-TARHEEL-24-011922-D	1/19/22 23:01	24	12	12	15	4,553	--	2.5	2.6	3
CFR-TARHEEL-15-012022	1/20/22 14:01	15	11	11	14	2,546	--	2.1	2.1	2.7

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-012522	1/25/22 23:01	24	7.9	7.9	7.9	4,471	--	1.6	1.6	1.6
CAP1Q22-CFR-TARHEEL-012622	1/26/22 16:40	0	16	16	19	--	6,530	3	3	3.5
CAP1Q22-CFR-TARHEEL-24-012722	1/27/22 11:54	24	16	18	21	3,872	--	2.8	3.2	3.8
CFR-TARHEEL-24-012822	1/28/22 23:01	24	28	28	28	2,820	--	3.6	3.6	3.6
CFR-TARHEEL-24-013122	1/31/22 23:01	24	40	43	45	1,570	--	2.9	3.1	3.3
CFR-TARHEEL-24-020322	2/3/22 23:01	24	57	60	64	1,398	--	3.6	3.8	4.1
CFR-TARHEEL-24-020722	2/7/22 23:01	24	30	34	36	2,565	--	3.5	4	4.2
CFR-TARHEEL-24-020722-D	2/7/22 23:01	24	30	34	39	2,565	--	3.5	4	4.6
CFR-TARHEEL-24-021122	2/11/22 23:01	24	13	13	13	3,429	--	2	2	2
CFR-TARHEEL-24-021422	2/14/22 23:01	24	31	35	37	1,518	--	2.2	2.4	2.6
CFR-TARHEEL-24-021822	2/18/22 23:01	24	5.6	5.6	5.6	1,320	--	0.34	0.34	0.34
CFR-TARHEEL-24-022622	2/26/22 23:01	24	7	7	7	1,681	--	0.54	0.54	0.54
CFR-TARHEEL-24-022722	2/27/22 23:01	24	3.8	3.8	3.8	2,335	--	0.41	0.41	0.41
CFR-TARHEEL-24-022822	2/28/22 23:01	24	0	0	0	2,703	--	0	0	0
CFR-TARHEEL-24-030322	3/3/22 23:01	24	6.8	12	31	2,827	--	0.88	1.5	4
CFR-TARHEEL-24-030722	3/7/22 23:01	24	28	34	52	1,084	--	1.4	1.7	2.6
CFR-TARHEEL-24-031022	3/10/22 23:01	24	41	48	66	1,181	--	2.2	2.6	3.6
CFR-TARHEEL-24-031022-D	3/10/22 23:01	24	43	50	69	1,181	--	2.3	2.7	3.7
CFR-TARHEEL-031722	3/17/22 12:30	0	4.7	4.7	4.7	--	11,100	1.5	1.5	1.5
CFR-TARHEEL-031822	3/18/22 9:00	0	0	0	0	--	24,800	0	0	0
CFR-TARHEEL-24-032322	3/23/22 8:10	24	17	17	17	6,339	--	4.9	4.9	4.9
CFR-TARHEEL-032422	3/24/22 13:05	0	9.4	9.4	9.4	--	7,680	2	2	2
CFR-TARHEEL-24-032922	3/29/22 23:01	24	8	8	8	4,955	--	1.8	1.8	1.8
CFR-TARHEEL-24-033122	3/31/22 23:01	24	9.8	9.8	9.8	3,141	--	1.4	1.4	1.4
CFR-TARHEEL-24-040422	4/4/22 23:01	24	5.9	5.9	5.9	4,200	--	1.1	1.1	1.1
CFR-TARHEEL-24-040722	4/7/22 23:01	24	18	18	29	4,225	--	3.5	3.4	5.6
CFR-TARHEEL-24-041122	4/11/22 23:01	24	32	34	38	2,048	--	3	3.2	3.6
CFR-TARHEEL-24-041122-D	4/11/22 23:01	24	31	34	39	2,048	--	2.9	3.1	3.6
CFR-TARHEEL-24-041522	4/15/22 23:01	24	12	14	14	1,245	--	0.68	0.82	0.82
CAP2Q22-CFR-TARHEEL-041922	4/19/22 17:05	0	27	32	38	--	2,540	1.9	2.3	2.7
CAP2Q22-CFR-TARHEEL-24-042022	4/20/22 16:33	24	35	46	85	6,263	--	10	13	24
CFR-TARHEEL-24-042122	4/21/22 23:01	24	0	0	0	9,179	--	0	0	0
CFR-TARHEEL-24-042222	4/22/22 23:01	24	2.1	2.1	2.1	6,054	--	0.58	0.58	0.58
CFR-TARHEEL-24-042522	4/25/22 23:01	24	23	27	27	1,400	--	1.5	1.7	1.7
CFR-TARHEEL-24-042822	4/28/22 23:01	24	24	29	32	1,648	--	1.8	2.2	2.4
CFR-TARHEEL-24-050222	5/2/22 23:01	24	49	55	59	942	--	2.1	2.4	2.5
CFR-TARHEEL-24-050522	5/5/22 23:01	24	37	45	51	1,026	--	1.7	2.1	2.4
CFR-TARHEEL-24-050922	5/9/22 23:01	24	34	42	49	1,395	--	2.2	2.7	3.1
CFR-TARHEEL-24-050922-D	5/9/22 23:01	24	30	37	44	1,395	--	1.9	2.4	2.8
CFR-TARHEEL-24-051322	5/13/22 23:01	24	29	32	37	1,158	--	1.5	1.7	1.9
CFR-TARHEEL-24-051622	5/16/22 23:01	24	28	32	41	1,292	--	1.7	1.9	2.4
CFR-TARHEEL-24-051922	5/19/22 23:01	24	27	33	45	935	--	1.2	1.4	1.9
CFR-TARHEEL-24-052322	5/23/22 23:01	24	44	48	58	661	--	1.3	1.4	1.7
CFR-TARHEEL-24-052622	5/26/22 23:01	24	16	22	26	2,017	--	1.5	2	2.4
CFR-TARHEEL-24-053022	5/30/22 23:01	24	0	0	0	5,584	--	0	0	0
CFR-TARHEEL-24-060222	6/2/22 23:01	24	16	19	19	1,124	--	0.82	0.99	0.99
CFR-TARHEEL-24-060622	6/6/22 23:01	24	42	45	52	572	--	1.1	1.2	1.4
CFR-TARHEEL-24-060622-D	6/6/22 23:01	24	62	66	74	572	--	1.6	1.7	1.9
CFR-TARHEEL-24-060922	6/9/22 23:01	24	48	51	56	610	--	1.3	1.4	1.6

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-061322	6/13/22 23:01	24	41	48	55	765	--	1.4	1.7	1.9
CFR-TARHEEL-24-061622	6/16/22 23:01	24	43	51	60	618	--	1.2	1.4	1.7
CFR-TARHEEL-24-062022	6/20/22 23:01	24	47	47	47	589	--	1.3	1.3	1.3
CFR-TARHEEL-24-062322	6/23/22 23:01	24	41	41	41	529	--	0.99	0.99	0.99
CFR-TARHEEL-24-062722	6/27/22 23:01	24	50	61	69	479	--	1.1	1.3	1.5
CFR-TARHEEL-24-063022	6/30/22 23:01	24	52	60	69	605	--	1.4	1.7	1.9
CFR-TARHEEL-24-070422	7/4/22 23:01	24	0	0	0	681	--	0	0	0
CFR-TARHEEL-23-070822	7/8/22 23:01	24	15	15	15	1,200	--	0.8	0.82	0.82
CFR-TARHEEL-24-070922	7/9/22 23:01	24	38	45	67	1,995	--	3.5	4.1	6.1
CFR-TARHEEL-24-071122	7/11/22 23:01	24	27	35	42	2,131	--	2.6	3.4	4.0
CFR-TARHEEL-24-071422	7/14/22 23:01	24	47	53	63	906	--	1.9	2.2	2.6
CFR-TARHEEL-24-071822	7/18/22 23:01	24	47	53	65	1,404	--	3.0	3.4	4.1
CFR-TARHEEL-24-071822-D	7/18/22 23:01	24	47	53	74	1,404	--	3.0	3.4	4.7
CAP3Q22-CFR-TARHEEL-072022	7/20/22 15:35	0	45	50	58	--	1,530	1.9	2.2	2.5
CAP3Q22-CFR-TARHEEL-24-072122	7/21/22 23:01	24	28	28	28	735	--	0.94	0.94	0.94
CFR-TARHEEL-24-072122	7/21/22 23:01	24	37	37	37	735	--	1.2	1.3	1.3
CFR-TARHEEL-24-072522	7/25/22 23:01	24	45	45	52	566	--	1.2	1.2	1.3
CFR-TARHEEL-24-072822	7/28/22 23:01	24	31	35	35	581	--	0.82	0.94	0.94
CFR-TARHEEL-24-080122	8/1/22 23:01	24	48	48	53	561	--	1.2	1.2	1.4
CFR-TARHEEL-24-080422	8/4/22 23:01	24	31	31	31	1,881	--	2.7	2.6	2.6
CFR-TARHEEL-24-081022	8/10/22 23:01	24	47	52	62	508	--	1.1	1.2	1.4
CFR-TARHEEL-24-081022-D	8/10/22 23:01	24	41	41	41	508	--	0.95	0.95	0.95
CFR-TARHEEL-24-081222	8/12/22 23:01	24	36	36	36	489	--	0.80	0.80	0.80
CFR-TARHEEL-24-081522	8/15/22 23:01	24	29	38	48	691	--	0.92	1.2	1.5
CFR-TARHEEL-24-081822	8/18/22 23:01	24	30	30	30	721	--	0.99	0.98	0.98
CFR-TARHEEL-24-082222	8/22/22 23:01	24	25	36	36	907	--	1.0	1.5	1.5
CFR-TARHEEL-24-082522	8/25/22 23:01	24	6.8	6.8	6.8	1,093	--	0.34	0.34	0.34
CFR-TARHEEL-24-082922	8/29/22 23:01	24	26	26	26	655	--	0.78	0.77	0.77
CFR-TARHEEL-24-090122	9/1/22 23:01	24	53	64	69	556	--	1.3	1.6	1.7
CFR-TARHEEL-24-090522	9/5/22 23:01	24	51	59	64	512	--	1.2	1.4	1.5
CFR-TARHEEL-24-090822	9/8/22 23:01	24	41	53	53	582	--	1.1	1.4	1.4
CFR-TARHEEL-24-091222	9/12/22 23:01	24	3.0	3.0	3.0	3,037	--	0.42	0.42	0.42
CFR-TARHEEL-24-091222-D	9/12/22 23:01	24	5.8	5.8	5.8	3,037	--	0.81	0.81	0.81
CFR-TARHEEL-24-091522	9/15/22 23:01	24	25	28	52	861	--	0.98	1.1	2.0
CFR-TARHEEL-24-091922	9/19/22 23:01	24	59	63	80	602	--	1.6	1.7	2.2
CFR-TARHEEL-24-092222	9/22/22 23:01	24	18	29	35	476	--	0.39	0.64	0.76
CFR-TARHEEL-24-092622	9/26/22 23:01	24	31	37	51	457	--	0.65	0.77	1.1
CFR-TARHEEL-092922	9/29/22 11:15	0	77	84	91	215	677	1.5	1.6	1.7
CFR-TARHEEL-24-100522	10/5/22 23:01	24	21	24	28	1,707	--	1.6	1.8	2.2
CFR-TARHEEL-24-100722	10/7/22 23:01	24	35	35	40	846	--	1.4	1.4	1.6
CFR-TARHEEL-24-101022	10/10/22 23:01	24	62	65	65	585	--	1.7	1.7	1.7
CFR-TARHEEL-24-101022-D	10/10/22 23:01	24	64	67	74	585	--	1.7	1.8	2.0
CFR-TARHEEL-24-101322	10/13/22 23:01	24	76	83	100	504	--	1.7	1.9	2.3
CFR-TARHEEL-24-101722	10/17/22 23:01	24	49	58	73	556	--	1.2	1.5	1.8
CFR-TARHEEL-24-102022	10/20/22 23:01	24	89	95	110	465	--	1.9	2.0	2.4
CFR-TARHEEL-24-102422	10/24/22 23:01	24	110	120	140	472	--	2.4	2.5	2.9
CFR-TARHEEL-24-102722	10/27/22 23:01	24	89	94	100	497	--	2.0	2.1	2.4
CFR-TARHEEL-24-103122	10/31/22 23:01	24	93	100	120	521	--	2.2	2.5	3.0
CFR-TARHEEL-24-110322	11/3/22 23:01	24	41	49	53	1,025	--	1.9	2.3	2.5

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-110722	11/7/22 23:01	24	50	57	61	609	--	1.4	1.6	1.7
CAP4Q22-CFR-TARHEEL-110922	11/9/22 9:00	0	33	71	71	--	954	0.89	1.9	1.9
CAP4Q22-CFR-TARHEEL-24-111022	11/10/22 23:01	24	0	78	84	539	--	0	1.9	2.1
CFR-TARHEEL-24-111222	11/12/22 23:01	24	54	58	58	1,060	--	2.6	2.8	2.8
CFR-TARHEEL-24-111422	11/14/22 23:01	24	14	17	17	1,221	--	0.78	0.94	0.94
CFR-TARHEEL-24-111422-D	11/14/22 23:01	24	14	18	18	1,221	--	0.78	0.98	0.98
CFR-TARHEEL-24-111722	11/17/22 23:01	24	59	63	70	816	--	2.2	2.4	2.6
CFR-TARHEEL-24-112122	11/21/22 23:01	24	51	58	73	703	--	1.6	1.9	2.3
CFR-TARHEEL-24-112422	11/24/22 23:01	24	55	59	59	596	--	1.5	1.6	1.6
CFR-TARHEEL-24-112822	11/28/22 23:01	24	44	44	44	1,121	--	2.3	2.3	2.3
CFR-TARHEEL-24-120122	12/1/22 23:01	24	18	18	18	3,501	--	2.9	2.8	2.8
CFR-TARHEEL-24-120522	12/5/22 23:01	24	3.4	12	12	2,807	--	0.44	1.5	1.5
CFR-TARHEEL-24-120822	12/8/22 23:01	24	7.8	35	35	1,112	--	0.4	1.8	1.8
CFR-TARHEEL-24-121222	12/12/22 23:01	24	14	17	17	1,783	--	1.1	1.4	1.4
CFR-TARHEEL-24-121222-D	12/12/22 23:01	24	0	17	17	1,783	--	0	1.4	1.4
CFR-TARHEEL-24-121722	12/17/22 23:01	24	8.4	10	10	6,593	--	2.5	3.1	3.1
CFR-TARHEEL-24-121922	12/19/22 23:01	24	0	5.1	5.1	4,912	--	0	1.1	1.1
CFR-TARHEEL-24-122222	12/22/22 23:01	24	0	9.2	9.2	4,171	--	0	1.8	1.8
CFR-TARHEEL-24-122622	12/26/22 23:01	24	4.9	4.9	4.9	4,614	--	1.0	1.0	1.0
CFR-TARHEEL-24-122922	12/29/22 23:01	24	23	23	23	3,107	--	3.3	3.2	3.2
CFR-TARHEEL-24-010223	1/2/23 23:01	24	33	33	33	1,595	--	2.4	2.4	2.4
CFR-TARHEEL-24-010523	1/5/23 23:01	24	22	22	22	2,872	--	2.9	2.9	2.9
CFR-TARHEEL-24-010923	1/9/23 23:01	24	4.5	4.5	4.5	3,087	--	0.64	0.64	0.64
CFR-TARHEEL-24-010923-D	1/9/23 23:01	24	5.1	5.1	5.1	3,087	--	0.72	0.72	0.72
CFR-TARHEEL-24-011223	1/12/23 23:01	24	15	15	15	2,194	--	1.5	1.5	1.5
CFR-TARHEEL-011723	1/17/23 13:00	0	11	11	11	--	5,110	1.6	1.6	1.6
CFR-TARHEEL-24-011923	1/19/23 23:01	24	7.3	7.3	7.3	2,572	--	0.86	0.86	0.86
CFR-TARHEEL-24-012323	1/23/23 23:01	24	53	53	57	2,148	--	5.2	5.2	5.5
CFR-TARHEEL-24-012323 (Reanalyzed)	1/23/23 23:01	24	82	82	93	2,148	--	8.1	8.1	9.2
CFR-TARHEEL-24-012623	1/26/23 23:01	24	57	57	72	7,107	--	18	18	23
CFR-TARHEEL-24-012623 (Reanalyzed)	1/26/23 23:01	24	28	28	41	7,107	--	9.2	9.2	13
CFR-TARHEEL-013123	1/31/23 12:18	0	28	28	34	--	7,910	6.2	6.3	7.6
CFR-TARHEEL-24-020223	2/2/23 23:01	24	15	15	25	4,139	--	2.9	2.9	4.8
CFR-TARHEEL-24-020623	2/6/23 23:01	24	14	14	27	5,759	--	3.7	3.7	7.2
CFR-TARHEEL-24-020823	2/8/23 23:01	24	17	17	24	2,487	--	1.9	1.9	2.7
CFR-TARHEEL-24-021223	2/12/23 23:01	24	25	27	31	2,024	--	2.3	2.5	2.9
CAP1Q23-CFR-TARHEEL-021323	2/13/23 15:30	0	14	16	16	--	14,600	5.8	6.6	6.6
CAP1Q23-CFR-TARHEEL-021323-D	2/13/23 15:30	0	17	17	17	--	14,600	7.2	7	7
CFR-TARHEEL-021523	2/15/23 9:22	0	2.6	2.6	2.6	--	16,600	1.2	1.2	1.2
CFR-TARHEEL-24-022023	2/20/23 23:01	24	5.4	5.4	5.4	5,100	--	1.3	1.3	1.3
CFR-TARHEEL-24-022023-D	2/20/23 23:01	24	5.4	5.4	13	5,100	--	1.3	1.3	2.9
CAP1Q23-CFR-TARHEEL-022223	2/22/23 13:20	0	4.3	4.3	4.3	--	6,390	0.78	0.78	0.78
CFR-TARHEEL-24-022323	2/23/23 23:01	24	6.9	6.9	6.9	2,536	--	0.80	0.80	0.80
CFR-TARHEEL-24-022723	2/27/23 23:01	24	17	17	19	1,814	--	1.4	1.4	1.6
CFR-TARHEEL-24-030223	3/2/23 23:01	24	17	17	20	1,653	--	1.2	1.2	1.5
CFR-TARHEEL-24-030623	3/6/23 23:01	24	4.7	4.7	4.7	3,845	--	0.83	0.83	0.83
CFR-TARHEEL-24-030923	3/9/23 23:01	24	41	41	71	1,793	--	3.4	3.4	5.8
CFR-TARHEEL-24-031323	3/13/23 23:01	24	23	23	23	1,575	--	1.7	1.7	1.7
CFR-TARHEEL-24-031623	3/16/23 23:01	24	6.3	6.3	8.9	2,388	--	0.69	0.69	0.97

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-032023	3/20/23 23:01	24	19	19	19	1,525	--	1.3	1.3	1.3
CFR-TARHEEL-24-032023-D	3/20/23 23:01	24	15	15	15	1,525	--	1.0	1.0	1.0
CFR-TARHEEL-24-032323	3/23/23 23:01	24	6.4	6.4	6.4	1,925	--	0.56	0.56	0.56
CFR-TARHEEL-24-032723	3/27/23 23:01	24	22	22	22	1,480	--	1.5	1.5	1.5
CFR-TARHEEL-24-033023	3/30/23 23:01	24	4.4	4.4	4.4	4,950	--	1.0	1.0	1.0
CFR-TARHEEL-24-040323	4/3/23 23:01	24	6.6	6.6	6.6	1,668	--	0.5	0.5	0.5
CFR-TARHEEL-24-040623	4/6/23 23:01	24	7.1	7.1	7.1	1,507	--	0.5	0.5	0.5
CFR-TARHEEL-18-040823	4/8/23 17:01	18	14	17	17	2,297	--	2.0	2.4	2.4
CFR-TARHEEL-041023	4/10/23 12:45	0	6.8	9.3	9.3	--	25,400	4.9	6.7	6.7
CFR-TARHEEL-041123	4/11/23 16:25	0	7.4	9.7	9.7	--	22,300	4.7	6.1	6.1
CFR-TARHEEL-041323	4/13/23 12:47	0	15	19	19	--	16,700	7.0	9.0	9.0
CFR-TARHEEL-24-041723	4/17/23 23:01	24	0	0	0	8,918	--	0	0	0
CFR-TARHEEL-24-041723-D	4/17/23 23:01	24	0	0	0	8,918	--	0	0	0
CFR-TARHEEL-24-042023	4/20/23 23:01	24	2.2	2.2	2.2	5,708	--	0.6	0.6	0.6
CFR-TARHEEL-24-042423	4/24/23 23:01	24	3.4	3.4	3.4	4,493	--	0.7	0.7	0.7
CFR-TARHEEL-24-042723	4/27/23 23:01	24	6.7	6.7	6.7	2,421	--	0.7	0.7	0.7
CFR-TARHEEL-24-050123	5/1/23 23:01	24	5.5	5.5	5.5	4,951	--	1.2	1.2	1.2
CFR-TARHEEL-24-050423	5/4/23 23:01	24	4	4	4	6,366	--	1.2	1.2	1.2
CFR-TARHEEL-24-050823	5/8/23 23:01	24	5.2	5.2	5.2	2,929	--	0.7	0.7	0.7
CFR-TARHEEL-24-050823-D	5/8/23 23:01	24	6.3	6.3	6.3	2,929	--	0.8	0.8	0.8
CAP2Q23-CFR-TARHEEL-051123	5/11/23 17:11	0	15	15	15	--	2,160	0.9	0.9	0.9
CFR-TARHEEL-24-051123	5/11/23 23:01	24	13	13	13	1,336	--	0.8	0.8	0.8
CAP2Q23-CFR-TARHEEL-24-051223	5/12/23 23:01	24	23	23	23	1,119	--	1.2	1.2	1.2
CFR-TARHEEL-24-051523	5/15/23 23:01	24	16	16	16	975	--	0.7	0.7	0.7
CFR-TARHEEL-24-051823	5/18/23 23:01	24	14	14	14	1,104	--	0.7	0.7	0.7
CFR-TARHEEL-24-052223	5/22/23 23:01	24	15	15	15	1,135	--	0.8	0.8	0.8
CFR-TARHEEL-24-052523	5/25/23 23:01	24	18	18	18	731	--	0.6	0.6	0.6
CFR-TARHEEL-24-052923	5/29/23 23:01	24	43	43	45	931	--	1.8	1.8	1.9
CFR-TARHEEL-24-060223	6/2/23 23:01	24	21	24	28	1,220	--	1.1	1.3	1.6
CFR-TARHEEL-060623	6/6/23 13:48	0	25	28	36	--	1,090	0.8	0.9	1.1
CFR-TARHEEL-24-061223	6/12/23 23:01	24	28	28	30	760	--	1.0	1.0	1.0
CFR-TARHEEL-24-061223-D	6/12/23 23:01	24	23	23	23	760	--	0.8	0.8	0.8
CFR-TARHEEL-24-060923	6/9/23 23:01	24	31	31	33	613	--	0.9	0.9	0.9
CFR-TARHEEL-24-061523	6/15/23 23:01	24	26	26	26	554	--	0.7	0.7	0.7
CFR-TARHEEL-24-061923	6/19/23 23:01	24	26	26	29	518	--	0.6	0.6	0.7
CFR-TARHEEL-24-062223	6/22/23 23:01	24	44	44	44	1,312	--	2.6	2.6	2.6
CFR-TARHEEL-24-062623	6/26/23 23:01	24	6	6	6	3,885	--	1.1	1.1	1.1
CFR-TARHEEL-24-062923	6/29/23 23:01	24	8.7	8.7	8.7	5,700	--	2.3	2.3	2.3
CFR-TARHEEL-24-070323	7/3/23 23:01	24	8.3	8.3	8.3	4,419	--	1.7	1.7	1.7
CFR-TARHEEL-24-070523	7/5/23 23:01	24	6.2	6.2	8.4	3,444	--	1.0	1.0	1.3
CFR-TARHEEL-24-070723	7/7/23 23:01	24	11	11	14	3,482	--	1.8	1.8	2.2
CFR-TARHEEL-24-071023	7/10/23 23:01	24	11	11	20	5,119	--	2.6	2.6	4.6
CFR-TARHEEL-24-071323	7/13/23 23:01	24	7.4	7.4	10	3,757	--	1.3	1.3	1.7
CFR-TARHEEL-24-071723	7/17/23 23:01	24	8.8	8.8	8.8	3,292	--	1.3	1.3	1.3
CFR-TARHEEL-24-072023	7/20/23 23:01	24	15	15	21	1,957	--	1.4	1.4	1.8
CFR-TARHEEL-24-072423	7/24/23 23:01	24	21	21	29	1,173	--	1.1	1.1	1.6
CFR-TARHEEL-24-072423-D	7/24/23 23:01	24	21	21	28	1,173	--	1.1	1.1	1.5
CAP3Q23-CFR-TARHEEL-072723	7/27/23 10:18	0	39	39	42	--	1,260	1.4	1.4	1.5
CAP3Q23-CFR-TARHEEL-7-072723	7/27/23 13:46	6	44	44	47	143	--	1.3	1.3	1.4

TABLE B4
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TAR HEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Field Sample ID	Collection Date	Hours Composited ¹	Concentrations (ng/L)			Total Volume (MG) 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)
CFR-TARHEEL-24-072723	7/27/23 23:01	24	33	33	35	712	--	1.1	1.1	1.1
CFR-TARHEEL-24-073123	7/31/23 23:01	24	39	39	39	528	--	1.0	1.0	1.0
CFR-TARHEEL-24-080323	8/3/23 23:01	24	53	53	65	592	--	1.4	1.4	1.7
CFR-TARHEEL-24-080723	8/7/23 23:01	24	54	54	62	576	--	1.4	1.4	1.6
CFR-TARHEEL-24-081023	8/10/23 23:01	24	13	13	13	589	--	0.3	0.3	0.3
CFR-TARHEEL-24-081423	8/14/23 23:01	24	68	68	68	585	--	1.8	1.8	1.8
CFR-TARHEEL-24-081423-D	8/14/23 23:01	24	25	25	25	585	--	0.7	0.7	0.7
CFR-TARHEEL-24-081723	8/17/23 23:01	24	63	63	67	695	--	2.0	2.0	2.1
CFR-TARHEEL-24-082123	8/21/23 23:01	24	59	59	64	524	--	1.4	1.4	1.5
CFR-TARHEEL-24-082423	8/24/23 23:01	24	38	38	42	532	--	0.9	0.9	1.0
CFR-TARHEEL-24-082823	8/28/23 23:01	24	70	77	80	775	--	2.5	2.7	2.8
CFR-TARHEEL-090123	9/1/23 9:10	0	16	16	16	37	5,430	2.5	2.5	2.5
CFR-TARHEEL-15-090123	9/1/23 23:01	15	15	15	15	1,819	--	2.1	2.1	2.1
CFR-TARHEEL-24-090423	9/4/23 23:01	24	22	22	22	961	--	1.0	1.0	1.0
CFR-TARHEEL-24-090723	9/7/23 23:01	24	20	20	20	653	--	0.6	0.6	0.6
CFR-TARHEEL-24-091123	9/11/23 23:01	24	22	22	22	1,240	--	1.2	1.2	1.2
CFR-TARHEEL-24-091123-D	9/11/23 23:01	24	22	22	22	1,240	--	1.2	1.2	1.2
CFR-TARHEEL-24-091523	9/15/23 23:01	24	27	27	27	660	--	0.8	0.8	0.8
CFR-TARHEEL-24-091823	9/18/23 23:01	24	29	29	29	935	--	1.3	1.3	1.3
CFR-TARHEEL-24-092223	9/22/23 23:01	24	50	50	59	562	--	1.3	1.3	1.5
CFR-TARHEEL-24-092523	9/25/23 23:01	24	42	42	47	912	--	1.8	1.8	2.0
CFR-TARHEEL-24-092823	9/28/23 23:01	24	38	61	64	583	--	1.0	1.6	1.7

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 calculate the mass discharge.

-- - not applicable

ft³/s - cubic feet per second

MG - million gallons

mg/s - milligrams per second

ng/L - nanograms per liter

TABLE B5
FLOW SUMMARY FOR CAPE FEAR RIVER LOCATIONS
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Q3 2023 Quarterly 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
July 2023	Upstream River Water and Groundwater	07/26/23 9:25	William O Huske Lock and Dam	--	07/26/23 9:25	--	1,360
	Tarheel (Grab Sample)	07/27/23 10:25	William O Huske Lock and Dam	13	07/26/23 21:45	--	1,260
	Tarheel (Composite Sample)	07/27/23 13:46	William O Huske Lock and Dam	13	07/27/23 0:45	--	1,253
	Bladen Bluff	07/26/23 17:00	William O Huske Lock and Dam	8	07/26/23 9:00	--	1,360
	Kings Bluff	08/01/23 13:50	Cape Fear River Lock and Dam #1	--	08/01/23 13:50	--	1,050

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 Tar heel and Bladen Bluff sample locations. Travel times between William O Huske Lock and Dam and the downstream locations were estimated based on the results of a numerical model of the Cape Fear River developed by Geosyntec which developed a regression curve between the USGS reported gage heights at William O Huske Lock and Dam and travel times.

3 - Total flow volume for composite samples is based on measurements taken over 24-hour sample collection period.

4 - Instantaneous flow rate for grab samples is the recorded flow rate at the time of grab sample collection.

Acronyms:

ft³/s - cubic feet per second

hr - hours

MGD - millions of gallons per day

TABLE B6
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date and Time	Flow Rate (ft ³ /sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in) ¹
07/26/23 0:00	1,420	9,560,079	1.68	0
07/26/23 0:15	1,420	9,560,079	1.68	0
07/26/23 0:30	1,400	9,425,430	1.67	0
07/26/23 0:45	1,400	9,425,430	1.67	0
07/26/23 1:00	1,400	9,425,430	1.67	0
07/26/23 1:15	1,400	9,425,430	1.67	0
07/26/23 1:30	1,400	9,425,430	1.67	0
07/26/23 1:45	1,400	9,425,430	1.67	0
07/26/23 2:00	1,390	9,358,105	1.66	0
07/26/23 2:15	1,390	9,358,105	1.66	0
07/26/23 2:30	1,390	9,358,106	1.66	0
07/26/23 2:45	1,390	9,358,105	1.66	0
07/26/23 3:00	1,390	9,358,105	1.66	0
07/26/23 3:15	1,390	9,358,106	1.66	0
07/26/23 3:30	1,390	9,358,105	1.66	0
07/26/23 3:45	1,390	9,358,105	1.66	0
07/26/23 4:00	1,390	9,358,106	1.66	0
07/26/23 4:15	1,390	9,358,105	1.66	0
07/26/23 4:30	1,390	9,358,105	1.66	0
07/26/23 4:45	1,390	9,358,106	1.66	0
07/26/23 5:00	1,370	9,223,456	1.65	0
07/26/23 5:15	1,370	9,223,456	1.65	0
07/26/23 5:30	1,370	9,223,457	1.65	0
07/26/23 5:45	1,370	9,223,456	1.65	0
07/26/23 6:00	1,370	9,223,456	1.65	0
07/26/23 6:15	1,370	9,223,457	1.65	0
07/26/23 6:30	1,370	9,223,456	1.65	0
07/26/23 6:45	1,360	9,156,132	1.64	0
07/26/23 7:00	1,370	9,223,457	1.65	0
07/26/23 7:15	1,370	9,223,456	1.65	0
07/26/23 7:30	1,360	9,156,132	1.64	0
07/26/23 7:45	1,360	9,156,132	1.64	0
07/26/23 8:00	1,360	9,156,132	1.64	0
07/26/23 8:15	1,360	9,156,132	1.64	0
07/26/23 8:30	1,360	9,156,132	1.64	0
07/26/23 8:45	1,360	9,156,132	1.64	0
07/26/23 9:00	1,360	9,156,132	1.64	0
07/26/23 9:15	1,360	9,156,132	1.64	0
07/26/23 9:30	1,360	9,156,132	1.64	0
07/26/23 9:45	1,360	9,156,132	1.64	0
07/26/23 10:00	1,360	9,156,132	1.64	0
07/26/23 10:15	1,360	9,156,132	1.64	0
07/26/23 10:30	1,360	9,156,132	1.64	0
07/26/23 10:45	1,370	9,223,457	1.65	0
07/26/23 11:00	1,360	9,156,132	1.64	0
07/26/23 11:15	1,360	9,156,132	1.64	0
07/26/23 11:30	1,360	9,156,132	1.64	0
07/26/23 11:45	1,360	9,156,132	1.64	0
07/26/23 12:00	1,360	9,156,132	1.64	0
07/26/23 12:15	1,360	9,156,132	1.64	0
07/26/23 12:30	1,360	9,156,132	1.64	0
07/26/23 12:45	1,360	9,156,132	1.64	0

TABLE B6
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date and Time	Flow Rate (ft ³ /sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in) ¹
07/26/23 13:00	1,360	9,156,132	1.64	0
07/26/23 13:15	1,360	9,156,132	1.64	0
07/26/23 13:30	1,360	9,156,132	1.64	0
07/26/23 13:45	1,360	9,156,132	1.64	0
07/26/23 14:00	1,360	9,156,132	1.64	0
07/26/23 14:15	1,360	9,156,132	1.64	0
07/26/23 14:30	1,360	9,156,132	1.64	0
07/26/23 14:45	1,340	9,021,483	1.63	0
07/26/23 15:00	1,340	9,021,483	1.63	0
07/26/23 15:15	1,340	9,021,483	1.63	0
07/26/23 15:30	1,340	9,021,483	1.63	0
07/26/23 15:45	1,340	9,021,483	1.63	0
07/26/23 16:00	1,340	9,021,483	1.63	0
07/26/23 16:15	1,330	8,954,158	1.62	0
07/26/23 16:30	1,340	9,021,483	1.63	0
07/26/23 16:45	1,330	8,954,159	1.62	0
07/26/23 17:00	1,330	8,954,158	1.62	0
07/26/23 17:15	1,330	8,954,158	1.62	0
07/26/23 17:30	1,330	8,954,159	1.62	0
07/26/23 17:45	1,340	9,021,483	1.63	0
07/26/23 18:00	1,330	8,954,158	1.62	0
07/26/23 18:15	1,320	8,886,834	1.61	0
07/26/23 18:30	1,300	8,752,185	1.60	0
07/26/23 18:45	1,300	8,752,185	1.60	0
07/26/23 19:00	1,320	8,886,834	1.61	0
07/26/23 19:15	1,290	8,684,860	1.59	0
07/26/23 19:30	1,290	8,684,860	1.59	0
07/26/23 19:45	1,300	8,752,185	1.60	0
07/26/23 20:00	1,300	8,752,185	1.60	0
07/26/23 20:15	1,290	8,684,860	1.59	0
07/26/23 20:30	1,290	8,684,861	1.59	0
07/26/23 20:45	1,290	8,684,860	1.59	0
07/26/23 21:00	1,270	8,550,211	1.58	0
07/26/23 21:15	1,270	8,550,212	1.58	0
07/26/23 21:30	1,260	8,482,887	1.57	0
07/26/23 21:45	1,260	8,482,887	1.57	0
07/26/23 22:00	1,260	8,482,887	1.57	0
07/26/23 22:15	1,260	8,482,887	1.57	0
07/26/23 22:30	1,260	8,482,887	1.57	0
07/26/23 22:45	1,250	8,415,563	1.56	0
07/26/23 23:00	1,250	8,415,562	1.56	0
07/26/23 23:15	1,230	8,280,913	1.55	0
07/26/23 23:30	1,230	8,280,914	1.55	0
07/26/23 23:45	1,230	8,280,913	1.55	0
07/27/23 0:00	1,230	8,280,913	1.55	0
07/27/23 0:15	1,230	8,280,914	1.55	0
07/27/23 0:30	1,220	8,213,589	1.54	0
07/27/23 0:45	1,220	8,213,589	1.54	0
07/27/23 1:00	1,220	8,213,589	1.54	0
07/27/23 1:15	1,220	8,213,589	1.54	0
07/27/23 1:30	1,220	8,213,589	1.54	0
07/27/23 1:45	1,200	8,078,940	1.53	0

TABLE B6
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date and Time	Flow Rate (ft ³ /sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in) ¹
07/27/23 2:00	1,220	8,213,589	1.54	0
07/27/23 2:15	1,220	8,213,589	1.54	0
07/27/23 2:30	1,220	8,213,589	1.54	0
07/27/23 2:45	1,200	8,078,940	1.53	0
07/27/23 3:00	1,200	8,078,940	1.53	0
07/27/23 3:15	1,200	8,078,940	1.53	0
07/27/23 3:30	1,200	8,078,940	1.53	0
07/27/23 3:45	1,200	8,078,940	1.53	0
07/27/23 4:00	1,190	8,011,616	1.52	0
07/27/23 4:15	1,190	8,011,615	1.52	0
07/27/23 4:30	1,190	8,011,615	1.52	0
07/27/23 4:45	1,180	7,944,291	1.51	0
07/27/23 5:00	1,190	8,011,615	1.52	0
07/27/23 5:15	1,180	7,944,291	1.51	0
07/27/23 5:30	1,180	7,944,291	1.51	0
07/27/23 5:45	1,180	7,944,291	1.51	0
07/27/23 6:00	1,180	7,944,291	1.51	0
07/27/23 6:15	1,180	7,944,291	1.51	0
07/27/23 6:30	1,160	7,809,642	1.50	0
07/27/23 6:45	1,160	7,809,642	1.50	0
07/27/23 7:00	1,160	7,809,642	1.50	0
07/27/23 7:15	1,150	7,742,317	1.49	0
07/27/23 7:30	1,150	7,742,317	1.49	0
07/27/23 7:45	1,160	7,809,642	1.50	0
07/27/23 8:00	1,160	7,809,642	1.50	0
07/27/23 8:15	1,150	7,742,317	1.49	0
07/27/23 8:30	1,150	7,742,318	1.49	0
07/27/23 8:45	1,150	7,742,317	1.49	0
07/27/23 9:00	1,150	7,742,317	1.49	0
07/27/23 9:15	1,140	7,674,993	1.48	0
07/27/23 9:30	1,150	7,742,317	1.49	0
07/27/23 9:45	1,150	7,742,317	1.49	0
07/27/23 10:00	1,140	7,674,993	1.48	0
07/27/23 10:15	1,140	7,674,993	1.48	0
07/27/23 10:30	1,150	7,742,317	1.49	0
07/27/23 10:45	1,150	7,742,318	1.49	0
07/27/23 11:00	1,150	7,742,317	1.49	0
07/27/23 11:15	1,150	7,742,317	1.49	0
07/27/23 11:30	1,140	7,674,993	1.48	0
07/27/23 11:45	1,140	7,674,993	1.48	0
07/27/23 12:00	1,140	7,674,993	1.48	0
07/27/23 12:15	1,140	7,674,993	1.48	0
07/27/23 12:30	1,120	7,540,344	1.47	0
07/27/23 12:45	1,120	7,540,344	1.47	0
07/27/23 13:00	1,120	7,540,344	1.47	0
07/27/23 13:15	1,120	7,540,344	1.47	0
07/27/23 13:30	1,120	7,540,344	1.47	0
07/27/23 13:45	1,140	7,674,993	1.48	0
07/27/23 14:00	1,120	7,540,344	1.47	0
07/27/23 14:15	1,120	7,540,344	1.47	0
07/27/23 14:30	1,120	7,540,344	1.47	0
07/27/23 14:45	1,140	7,674,993	1.48	0

TABLE B6
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date and Time	Flow Rate (ft ³ /sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in) ¹
07/27/23 15:00	1,120	7,540,344	1.47	0
07/27/23 15:15	1,120	7,540,344	1.47	0
07/27/23 15:30	1,120	7,540,344	1.47	0
07/27/23 15:45	1,120	7,540,344	1.47	0
07/27/23 16:00	1,140	7,674,993	1.48	0
07/27/23 16:15	1,140	7,674,993	1.48	0
07/27/23 16:30	1,120	7,540,344	1.47	0
07/27/23 16:45	1,140	7,674,993	1.48	0
07/27/23 17:00	1,140	7,674,993	1.48	0
07/27/23 17:15	1,140	7,674,993	1.48	0
07/27/23 17:30	1,140	7,674,993	1.48	0
07/27/23 17:45	1,140	7,674,993	1.48	0
07/27/23 18:00	1,140	7,674,993	1.48	0
07/27/23 18:15	1,140	7,674,993	1.48	0
07/27/23 18:30	1,140	7,674,993	1.48	0
07/27/23 18:45	1,140	7,674,993	1.48	0
07/27/23 19:00	1,140	7,674,993	1.48	0
07/27/23 19:15	1,140	7,674,993	1.48	0
07/27/23 19:30	1,140	7,674,993	1.48	0
07/27/23 19:45	1,140	7,674,993	1.48	0
07/27/23 20:00	1,140	7,674,993	1.48	0
07/27/23 20:15	1,140	7,674,993	1.48	0
07/27/23 20:30	1,140	7,674,993	1.48	0
07/27/23 20:45	1,140	7,674,993	1.48	0
07/27/23 21:00	1,140	7,674,993	1.48	0
07/27/23 21:15	1,120	7,540,344	1.47	0
07/27/23 21:30	1,120	7,540,344	1.47	0
07/27/23 21:45	1,120	7,540,344	1.47	0
07/27/23 22:00	1,120	7,540,344	1.47	0
07/27/23 22:15	1,120	7,540,344	1.47	0
07/27/23 22:30	1,120	7,540,344	1.47	0
07/27/23 22:45	1,120	7,540,344	1.47	0
07/27/23 23:00	1,110	7,473,019	1.46	0
07/27/23 23:15	1,110	7,473,019	1.46	0
07/27/23 23:30	1,110	7,473,020	1.46	0
07/27/23 23:45	1,100	7,405,695	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.

ft³/sec - cubic feet per second

ft - feet

gal - gallons

in - inches

USGS - United States Geological Survey

TABLE B7
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
8/1/2023	12:00:00 AM	1,090	900	7,338,370
8/1/2023	12:15:00 AM	1,080	900	7,271,046
8/1/2023	12:30:00 AM	1,080	900	7,271,046
8/1/2023	12:45:00 AM	1,080	900	7,271,046
8/1/2023	1:00:00 AM	1,080	900	7,271,046
8/1/2023	1:15:00 AM	1,080	900	7,271,046
8/1/2023	1:30:00 AM	1,080	900	7,271,046
8/1/2023	1:45:00 AM	1,080	900	7,271,046
8/1/2023	2:00:00 AM	1,060	900	7,136,397
8/1/2023	2:15:00 AM	1,060	900	7,136,397
8/1/2023	2:30:00 AM	1,060	900	7,136,397
8/1/2023	2:45:00 AM	1,050	900	7,069,072
8/1/2023	3:00:00 AM	1,050	900	7,069,072
8/1/2023	3:15:00 AM	1,050	900	7,069,073
8/1/2023	3:30:00 AM	1,040	900	7,001,748
8/1/2023	3:45:00 AM	1,050	900	7,069,072
8/1/2023	4:00:00 AM	1,040	900	7,001,748
8/1/2023	4:15:00 AM	1,040	900	7,001,748
8/1/2023	4:30:00 AM	1,040	900	7,001,748
8/1/2023	4:45:00 AM	1,040	900	7,001,748
8/1/2023	5:00:00 AM	1,050	900	7,069,072
8/1/2023	5:15:00 AM	1,040	900	7,001,748
8/1/2023	5:30:00 AM	1,040	900	7,001,748
8/1/2023	5:45:00 AM	1,040	900	7,001,748
8/1/2023	6:00:00 AM	1,030	900	6,934,423
8/1/2023	6:15:00 AM	1,050	900	7,069,073
8/1/2023	6:30:00 AM	1,040	900	7,001,748
8/1/2023	6:45:00 AM	1,040	900	7,001,748
8/1/2023	7:00:00 AM	1,040	900	7,001,748
8/1/2023	7:15:00 AM	1,040	900	7,001,748
8/1/2023	7:30:00 AM	1,040	900	7,001,748
8/1/2023	7:45:00 AM	1,040	900	7,001,748
8/1/2023	8:00:00 AM	1,040	900	7,001,748
8/1/2023	8:15:00 AM	1,050	900	7,069,072
8/1/2023	8:30:00 AM	1,040	900	7,001,748
8/1/2023	8:45:00 AM	1,040	900	7,001,748
8/1/2023	9:00:00 AM	1,050	900	7,069,072
8/1/2023	9:15:00 AM	1,050	900	7,069,073
8/1/2023	9:30:00 AM	1,040	900	7,001,748
8/1/2023	9:45:00 AM	1,050	900	7,069,072
8/1/2023	10:00:00 AM	1,050	900	7,069,073
8/1/2023	10:15:00 AM	1,060	900	7,136,397
8/1/2023	10:30:00 AM	1,060	900	7,136,397
8/1/2023	10:45:00 AM	1,060	900	7,136,397
8/1/2023	11:00:00 AM	1,060	900	7,136,397
8/1/2023	11:15:00 AM	1,060	900	7,136,397
8/1/2023	11:30:00 AM	1,080	900	7,271,046
8/1/2023	11:45:00 AM	1,060	900	7,136,397
8/1/2023	12:00:00 PM	1,060	900	7,136,397
8/1/2023	12:15:00 PM	1,060	900	7,136,397
8/1/2023	12:30:00 PM	1,060	900	7,136,397
8/1/2023	12:45:00 PM	1,080	900	7,271,046
8/1/2023	1:00:00 PM	1,060	900	7,136,397
8/1/2023	1:15:00 PM	1,050	900	7,069,072
8/1/2023	1:30:00 PM	1,060	900	7,136,397
8/1/2023	1:45:00 PM	1,050	900	7,069,073
8/1/2023	2:00:00 PM	1,050	900	7,069,072
8/1/2023	2:15:00 PM	1,060	900	7,136,397
8/1/2023	2:30:00 PM	1,050	900	7,069,073
8/1/2023	2:45:00 PM	1,060	900	7,136,397

TABLE B7
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
8/1/2023	3:00:00 PM	1,050	900	7,069,072
8/1/2023	3:15:00 PM	1,060	900	7,136,397
8/1/2023	3:30:00 PM	1,060	900	7,136,397
8/1/2023	3:45:00 PM	1,050	900	7,069,072
8/1/2023	4:00:00 PM	1,050	900	7,069,073
8/1/2023	4:15:00 PM	1,060	900	7,136,397
8/1/2023	4:30:00 PM	1,050	900	7,069,072
8/1/2023	4:45:00 PM	1,050	900	7,069,073
8/1/2023	5:00:00 PM	1,050	900	7,069,072
8/1/2023	5:15:00 PM	1,060	900	7,136,397
8/1/2023	5:30:00 PM	1,030	900	6,934,424
8/1/2023	5:45:00 PM	1,050	900	7,069,072
8/1/2023	6:00:00 PM	1,040	900	7,001,748
8/1/2023	6:15:00 PM	1,050	900	7,069,073
8/1/2023	6:30:00 PM	1,050	900	7,069,072
8/1/2023	6:45:00 PM	1,060	900	7,136,397
8/1/2023	7:00:00 PM	1,040	900	7,001,748
8/1/2023	7:15:00 PM	1,050	900	7,069,072
8/1/2023	7:30:00 PM	1,050	900	7,069,072
8/1/2023	7:45:00 PM	1,050	900	7,069,073
8/1/2023	8:00:00 PM	1,050	900	7,069,072
8/1/2023	8:15:00 PM	1,060	900	7,136,397
8/1/2023	8:30:00 PM	1,060	900	7,136,397
8/1/2023	8:45:00 PM	1,060	900	7,136,397
8/1/2023	9:00:00 PM	1,060	900	7,136,397
8/1/2023	9:15:00 PM	1,060	900	7,136,397
8/1/2023	9:30:00 PM	1,060	900	7,136,397
8/1/2023	9:45:00 PM	1,050	900	7,069,072
8/1/2023	10:00:00 PM	1,050	900	7,069,073
8/1/2023	10:15:00 PM	1,040	900	7,001,748
8/1/2023	10:30:00 PM	1,050	900	7,069,072
8/1/2023	10:45:00 PM	1,050	900	7,069,073
8/1/2023	11:00:00 PM	1,050	900	7,069,072
8/1/2023	11:15:00 PM	1,050	900	7,069,072
8/1/2023	11:30:00 PM	1,040	900	7,001,748
8/1/2023	11:45:00 PM	1,040	900	7,001,748

Notes

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

ft³/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

Appendix C

Field Forms

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KELLY HAYES TAYLOR CRITTENDEN	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	07-05-2023	Time:	12:55		

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-070323	07-03-2023 23:01	07-05-2023	13:02	7.91	2.60	-65.30	48.70	837.21	31.28	Cloudy/murky	No	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	07-03-2023 00:01	Multi Meter ID:	706720
ISCO End Date and Time:	07-03-2023 23:01		

WEATHER CONDITIONS	
Temperature (F):	89.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude: 34.7449376421762
Longitude: -78.7852464318536

Staff Gauge Water Level Reading (ft): 4.5
Temperature Reading (degrees C): 102
Rain Reading (mm) 20



General Comment:

Collected CFR-TARHEEL-24-070123, CFR-TARHEEL-24-070223, CFR-TARHEEL-24-070323, CFR-TARHEEL-24-070423; no errors

Sampling Comments:



SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS THOMAS STRAYHORN	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	07-07-2023	Time:	09:53		

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-070623	07-06-2023 23:01	07-07-2023	09:55	7.70	7.17	15.20	62.70	255.17	27.82	Clear	No	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	07-06-2023 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	07-06-2023 23:01		

WEATHER CONDITIONS	
Temperature (F):	84.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.7449602792364
 Longitude: -78.7851025723655

Staff Gauge Water Level Reading (ft): 4.8
 Temperature Reading (degrees C): 31
 Rain Reading (mm) 4



General Comment:

Collected CFR-TARHEEL-24-070523 and CFR-TARHEEL-24-070623

Sampling Comments:



Staff gauge



ISCO setup

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRIAN SMITH DEBORAH AYERS	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	07-11-2023	Time:	09:54		

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
	Date	Time		mg/L	mV	NTU	µS/cm		°C			
CFR-TARHEEL-24-071023	07-10-2023 23:01	07-11-2023	10:05	8.21	6.15	-3.70	158.00	500.50	26.55	Cloudy	No	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	07-10-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	07-10-2023 23:01		

WEATHER CONDITIONS	
Temperature (F):	81.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.7453665081736
Longitude: -78.7850951124716

Staff Gauge Water Level Reading (ft): 9.5
Temperature Reading (degrees C): 28
Rain Reading (mm) 57



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24070723, CFR-TARHEEL-24-070823, CFR-TARHEEL-24070923, CFR-TARHEEL-24-071023; no errors

Sampling Comments:



ISCO setup



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbey
 Samplers: ZACHARY TOMEK Sampling Event: Weekly River Event Type: Sampling
 Date: 07-14-2023 Time: 09:02

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
	Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-071323	07-13-2023 23:01	07-14-2023 09:25		6.88	5.22	42.00	41.30	118.00	27.89	Clear	No	-

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: YSI 556
 ISCO Start Date and Time: 07-13-2023 00:01 Multi Meter ID: 20272
 ISCO End Date and Time: 07-13-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	7

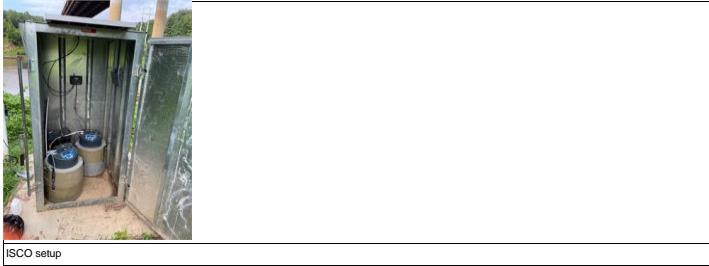
Latitude: 34.7449279805216
 Longitude: -78.785228593222
 Staff Gauge Water Level Reading (ft): 4.4
 Temperature Reading (degrees C): 32
 Rain Reading (mm): 18



GPS Location (if collected)

General Comment: CFR-TARHEEL-24-071123, CFR-TARHEEL-24-071223, CFR-TARHEEL-24-071323; no errors; initial flow requested 200 ml receiver 160 ml, calibrated flow after 200 ml was 230 ml

Sampling Comments:



ISCO setup



ISCO location

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ZACHARY TOMEK	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	07-18-2023	Time:	12:29		

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mgl/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-071723	07-17-2023 23:01	07-18-2023	12:31	5.77	10.23	5.30	29.70	0.11	30.76	Hazy	No	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	YSI 556
ISCO Start Date and Time:	07-17-2023 00:01	Multi Meter ID:	
ISCO End Date and Time:	07-17-2023 23:01		

WEATHER CONDITIONS	
Temperature (F):	92.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.74493764
 Longitude: -78.78524643

Staff Gauge Water Level Reading (ft):
 Temperature Reading (degrees C):
 Rain Reading (mm)



General Comment: No errors, collected CFR-TARHEEL-24-071723, CFR-TARHEEL-24-071623, CFR-TARHEEL-24-071523, CFR-TARHEEL-24-071423, will ship 071723 sample

Sampling Comments:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbey
 Samplers: BRANDON WEIDNER|BROCK SHATTUCK Sampling Event: Weekly River Event Type: Sampling
 Date: 07-21-2023 Time: 11:40

SpI ID	SpI Date	Time	Parameters	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
	Date	Time			mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-072023	07-20-2023 23:01	07-21-2023 11:43		7.62	4.27	36.10	22.90	620.46	31.02	Clear	No	-

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-20-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 07-20-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	88.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude: 34.7449176572587
 Longitude: -78.7853140477825
 Staff Gauge Water Level Reading (ft): 2
 Temperature Reading (degrees C): 42
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:

Sampling Comments:

Collected CFR-TARHEEL-24-071823, CFR-TARHEEL-24-071923, and CFR-TARHEEL-24-072023; no errors.



ISCO setup



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: BRANDON WEIDNER(SAIRA BOHAM) Sampling Event: Weekly River Event Type: Sampling
 Date: 07-25-2023 Time: 09:34

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-072423	07-24-2023 23:01	07-25-2023	09:39	7.09	6.52	184.40	28.20	288.65	27.24	Clear	No	DUP/MSD	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: Instru Aqua Troll
 ISCO Start Date and Time: 07-24-2023 00:01 Multi Meter ID: 706720
 ISCO End Date and Time: 07-24-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.7453626693764
 Longitude: -78.785105111973
 Staff Gauge Water Level Reading (ft): 1
 Temperature Reading (degrees C): 28
 Rain Reading (mm): 5



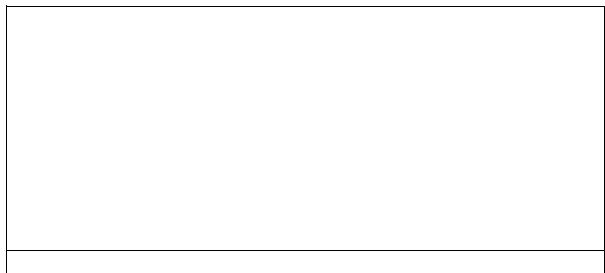
GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-072123, CFR-TARHEEL-24-072223, CFR-TARHEEL-24-072323, CFR-TARHEEL-24-072423, and CFR-TARHEEL-24-072423 QA/QC; no errors
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Sampling Comments:	
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ISCO setup



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovby
 Samplers: BRANDON WEIDNER Sampling Event: Weekly River Event Type: Sampling
 Date: 07-28-2023 Time: 10:25

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-072723	07-27-2023 23:01	07-28-2023	10:47	7.00	7.28	96.90	45.70	161.04	28.04	Murky	None	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-27-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 07-27-2023 23:01

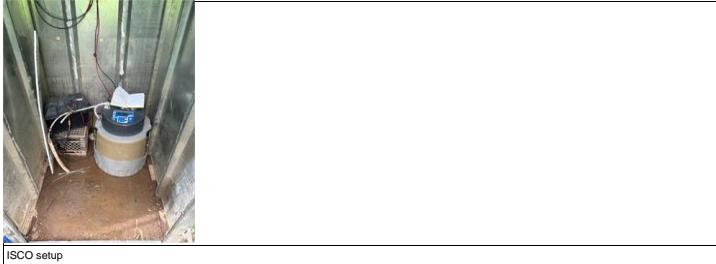
WEATHER CONDITIONS	
Temperature (F):	87.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	5

Latitude: 34.7449393455525
 Longitude: -78.7851856086372
 Staff Gauge Water Level Reading (ft): 0.75
 Temperature Reading (degrees C): 33
 Rain Reading (mm): 0

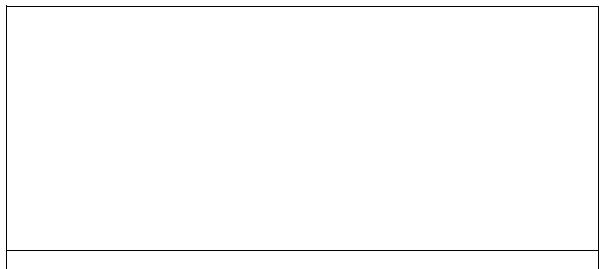


General Comment:	Collected CFR-TARHEEL-24-072523, CFR-TARHEEL-24-072623, and CFR-TARHEEL-24-072723; no errors. Will ship 072723 sample
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Sampling Comments:	
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ISCO setup



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: BRANDON WEIDNER|KELLY HAYES| Sampling Event: Weekly River Event Type: Sampling
 Date: 08-02-2023 Time: 12:50

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-073123	07-31-2023 23:01	08-02-2023	12:55	7.67	7.07	65.60	14.30	194.76	30.47	Clear	None	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-31-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 07-31-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude: 34.7450073021759
 Longitude: -78.785138788602

Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 38
 Rain Reading (mm): 5



GPS Location (if collected)

General Comment: Collected CFR-TARHEEL-24-072823, CFR-TARHEEL-24-072923, CFR-TARHEEL-24-073023, CFR-TARHEEL-24-073123, and CFR-TARHEEL-24-080123; no errors; Will ship out 073123 sample

Sampling Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: ANA CARRELL|KELLY HAYES Sampling Event: Weekly River Event Type: Sampling
 Date: 08-04-2023 Time: 09:04

SpI ID	SpI Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-080323	08-03-2023 23:01		08-04-2023	09:15	7.42	6.49	85.30	23.00	423.83	25.29	Clear	None	--

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 08-03-2023 00:01 Multi Meter ID: 706720
 ISCO End Date and Time: 08-03-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	1

Latitude: 34.744920287233
 Longitude: -78.7851406911448
 Staff Gauge Water Level Reading (ft): 1
 Temperature Reading (degrees C): 24
 Rain Reading (mm): 29



General Comment:

Collected CRF-TARHEEL-24-080223 and 080323

Sampling Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS|FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 08-08-2023 Time: 12:11

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-080723	08-07-2023 23:01	08-08-2023	12:18	7.88	5.43	54.60	14.00	481.85	30.87	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: Insitu Aqua Troll
 ISCO Start Date and Time: 08-07-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 08-07-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

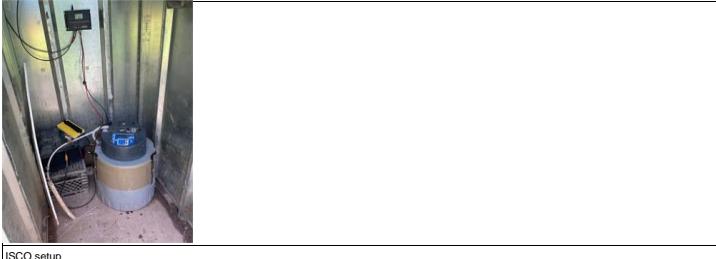
Latitude: 34.7449596925032
 Longitude: -78.7850874849398

Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 41
 Rain Reading (mm): 0



General Comment:	Collected CFR-TARHEEL-24-080423, CFR-TARHEEL-24-080523, CFR-TARHEEL-24-080623, CFR-TARHEEL-24-080723; no errors
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Sampling Comments:	
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SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 08-11-2023 Time: 09:38

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-081023	08-10-2023 23:01	08-11-2023	09:45	8.08	7.28	44.50	13.40	380.50	26.49	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 08-10-2023 00:00 Multi Meter ID: 766679
 ISCO End Date and Time: 08-10-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	81.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.74493629
 Longitude: -78.78519162

Staff Gauge Water Level Reading (ft): 0.7
 Temperature Reading (degrees C): 20
 Rain Reading (mm): 16



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-080823, CFR-TARHEEL-24-08092323, and CFR-TARHEEL-24-081023; no errors

Sampling Comments:



River conditions



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:
 Samplers: Sampling Event: Event Type:
 Date: Time:

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-081423	08-14-2023	23:01	08-15-2023	23:01	7.31	7.53	54.70	28.70	435.33	28.20	Cloudy	No	DUPIMS/MSD

Sampling Data

Sampling Method: Multi Meter Used:
 ISCO Start Date and Time: Multi Meter ID:
 ISCO End Date and Time:

WEATHER CONDITIONS

Temperature (F):	81.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:
 Longitude:

Staff Gauge Water Level Reading (ft):
 Temperature Reading (degrees C):
 Rain Reading (mm)



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-081123, CFR-TARHEEL-24-081223, CFR-TARHEEL-24-081323, and CFR-TARHEEL-24-081423; no errors

Sampling Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 08-18-2023 Time: 13:08

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-081823	08-18-2023 23:01	08-18-2023	13:15	7.37	7.19	76.20	11.10	175.09	33.53	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 08-18-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 08-18-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	88.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.7450197116856
 Longitude: -78.7851971764934
 Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 43
 Rain Reading (mm): 29



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-081523, CFR-TARHEEL-24-081623, and CFR-TARHEEL-24-081723; no errors

Sampling Comments:



Staff Gauge



ISCO setup

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbev
Samplers:	DEBORAH AYERS FELIPE SILVA	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	08-22-2023	Time:	09:11		

Spl ID	Spl Date	Time	Parameters	pH	DO	Redox	Turbidit	Spec. Cond.	Temp.	Color	Odor	QA/QC
	Date	Time		mg/L	mV	NTU		µS/cm	°C			
CFR-TARHEEL-24-082123	08-21-2023 23:01	08-22-2023 09:15		7.90	7.42	17.10	71.00	192.25	27.66	Clear with particulates	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	In situ Aqua Troll
ISCO Start Date and Time:	08-21-2023 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	08-21-2023 23:01		

WEATHER CONDITIONS

Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude: 34.744932734892
Longitude: -78.7850922442086

Staff Gauge Water Level Reading (ft):
Temperature Reading (degrees C):
Rain Reading (mm)



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-081823, CFR-TARHEEL-24-081923, CFR-TARHEEL-24-082023, CFR-TARHEEL-24-082123; no errors

Sampling Comments:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 08-25-2023 Time: 09:17

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-082423	08-24-2023 23:01	08-25-2023	09:34	7.03	7.34	114.90	11.40	184.25	27.48	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 08-24-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 08-24-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.7453806644631
 Longitude: -78.7850340673264
 Staff Gauge Water Level Reading (ft): 0.2
 Temperature Reading (degrees C): 27
 Rain Reading (mm): 0



General Comment: Collected CFR-TARHEEL-24-082223, CFR-TARHEEL-24-082323, and CFR-TARHEEL-24-082423; no errors

Sampling Comments: Reset ISCO to clear errors from power failure; 11 of 24 samples collected for 8/25/23; program set to resume on 8/26/23 at 0001



Staff gauge



Isco setup

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: DEBORAH AYERS|FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 08-29-2023 Time: 10:13

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-082823	08-28-2023 23:01	08-29-2023 10:20			6.96	7.17	111.70	19.90	186.13	28.72	Clear with particulates	No	--

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 08-28-2023 00:01 Multi Meter ID: 706770
 ISCO End Date and Time: 08-28-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.7449532948491
 Longitude: -78.7852648161335

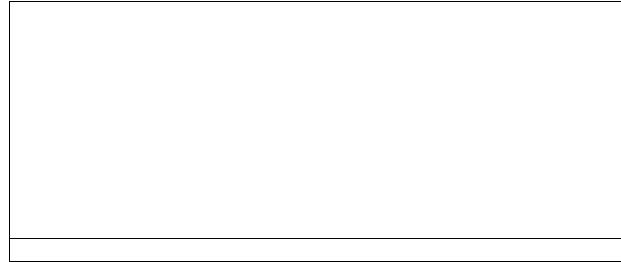
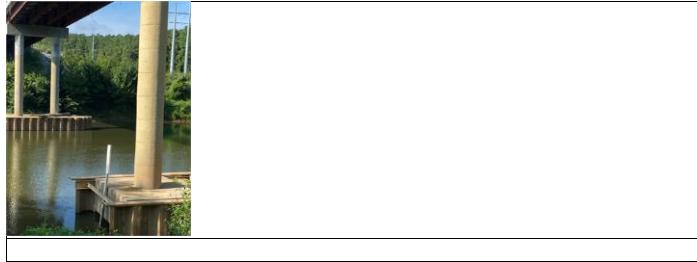
Staff Gauge Water Level Reading (ft): 1.5
 Temperature Reading (degrees C): 30
 Rain Reading (mm): 13



GPS Location (if collected)

General Comment: Collected CFR-TARHEEL-24-082523 (11 of 24 samples), CFR-TARHEEL-24-082623, CFR-TARHEEL-24-082723, and CFR-TARHEEL-24-082823; no errors

Sampling Comments:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-01-2023 Time: 08:58

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-090123	09-01-2023	09:10	09-01-2023	09:14	7.58	7.20	37.80	32.40	113.03	23.55	Cloudy; brown	No	--

Sampling Data

Sampling Method: Peri Pump Grab Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: Multi Meter ID: 766679
 ISCO End Date and Time:

WEATHER CONDITIONS

Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

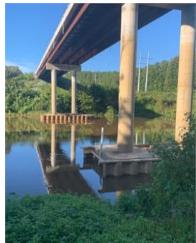
Latitude: 34.7449616757782
 Longitude: -78.7851410868228
 Staff Gauge Water Level Reading (ft): 4.5
 Temperature Reading (degrees C): 12
 Rain Reading (mm): 123



GPS Location (if collected)

General Comment: Pump head tubing not connected after Tuesday check; no sample for 8/30, 8/31; sample time for 8/29 is 1001- 11 of 24 samples; program uninterrupted, 9/1 partial composite to be collected next week

Sampling Comments: Grab sample using ISCO



Staff gauge



ISCO setup; tubing disconnected; reconnected before locking back up

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbe
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-06-2023 Time: 09:12

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-090523	09-05-2023 23:01	09-06-2023	09:15	6.81	7.67	106.40	13.80	114.01	26.34	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-05-2023 00:01 Multi Meter ID: 706770
 ISCO End Date and Time: 09-05-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.7450107061509
 Longitude: -78.7849933829891
 Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 21
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-090223, CFR-TARHEEL-24-090323, CFR-TARHEEL-24-090423, and CFR-TARHEEL-24-090523; no errors; collected partial from 9/1 - 14 of 24 samples, sample time 2301
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Sampling Comments:	
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Staff gauge



ISCO setup

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: BRANDON WEIDNER Sampling Event: Weekly River Event Type: Sampling
 Date: 09-08-2023 Time: 08:17

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-090723	09-07-2023 23:01	09-08-2023	08:22	6.49	7.58	127.00	11.50	130.39	24.93	Clear	None	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-07-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-07-2023 23:01

WEATHER CONDITIONS

Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.7449382465043
 Longitude: -78.7851570659373
 Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 22
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-090623 and CFR-TARHEEL-24-09072; no errors

Sampling Comments:



Staff gauge



ISCOs

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: BRANDON WEIDNER Sampling Event: Weekly River Event Type: Sampling
 Date: 09-12-2023 Time: 09:25

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-091123	09-11-2023 23:01	09-12-2023	09:29	7.80	7.69	97.30	64.00	135.25	25.40	Cloudy	None	DUP/MS/M CD	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-11-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-11-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

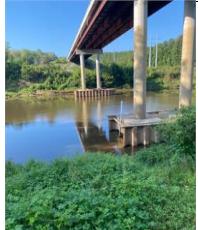
Latitude: 34.7449248482956
 Longitude: -78.7851403242118
 Staff Gauge Water Level Reading (ft): 1
 Temperature Reading (degrees C): 24
 Rain Reading (mm): 35



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-090823, CFR-TARHEEL-24-090923, CFR-TARHEEL-24-091023, and CFR-TARHEEL-24-091123 samples; no errors. Collected split sample for DEQ and QAQC (9/11/23)
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Sampling Comments:	
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Staff Gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: BRANDON WEIDNER Sampling Event: Weekly River Event Type: Sampling
 Date: 09-15-2023 Time: 09:07

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-091523	09-15-2023 23:01	09-15-2023	09:23	6.92	8.92	157.40	10.60	164.66	22.64	Clear	None	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-15-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-15-2023 23:01

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

Latitude: 34.7449251038551
 Longitude: -78.785199105726
 Staff Gauge Water Level Reading (ft): 0.75
 Temperature Reading (degrees C): 17
 Rain Reading (mm): 2



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-091223, CFR-TARHEEL-24-091323, and CFR-TARHEEL-24-091423 samples; no errors

Sampling Comments:



ISCO Setup

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS|FELIPE SILVA|SAIRA BOHAM Sampling Event: Weekly River Event Type: Maintenance
 Date: 09-18-2023 Time: 10:13

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	μS/cm	°C				
--	0	--	--	--	--	--	--	--	--	--	--	--	--

Sampling Data

Sampling Method: Multi Meter Used:
 ISCO Start Date and Time: Multi Meter ID:
 ISCO End Date and Time:

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude: 34.7449624043086
 Longitude: -78.7851532831633
 Staff Gauge Water Level Reading (ft): 0.8
 Temperature Reading (degrees C): 27
 Rain Reading (mm): 11



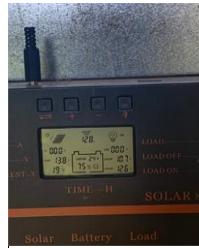
GPS Location (if collected)

General Comment:	Checked battery to make sure it's holding charge. Current charge is 75% and 12.80v
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Sampling Comments:	
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Staff gauge



Solar panel screen

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-19-2023 Time: 10:08

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-091823	09-18-2023 23:01	09-19-2023	10:10	7.35	6.70	86.50	14.60	49189.00	23.21	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-18-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-18-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude: 34.745230614532
 Longitude: -78.7851970272599
 Staff Gauge Water Level Reading (ft): 0.6
 Temperature Reading (degrees C): 33
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-091523, CFR-TARHEEL-24-091623, CFR-TARHEEL-24-091723, and CFR-TARHEEL-24-091823; no errors

Sampling Comments:



ISCOs



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-22-2023 Time: 09:21

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-092123	09-21-2023	23:01	09-22-2023	09:30	8.29	8.58	98.40	12.50	224.76	22.51	Clear	No	--

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-21-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-21-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude: 34.7449148794414
 Longitude: -78.7852975678679

Staff Gauge Water Level Reading (ft): 0.5
 Temperature Reading (degrees C): 20
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-091923, CFR-TARHEEL-24-092023, CFR-TARHEEL-24-092123; no errors

Sampling Comments:



ISCOS



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-26-2023 Time: 09:15

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-092523	09-25-2023 23:01	09-26-2023	09:20	7.54	8.63	85.50	9.44	226.45	22.64	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-25-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-25-2023 23:01

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

Latitude: 34.7448162379608
 Longitude: -78.7852265173876
 Staff Gauge Water Level Reading (ft): 0.8
 Temperature Reading (degrees C): 21
 Rain Reading (mm): 20



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-092223, CFR-TARHEEL-24-092323, CFR-TARHEEL-24-092423, and CFR-TARHEEL-24-092523; no errors

Sampling Comments:



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-TARHEEL Project Manager: Tracy Ovbev
 Samplers: DEBORAH AYERS/FELIPE SILVA Sampling Event: Weekly River Event Type: Sampling
 Date: 09-29-2023 Time: 10:45

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time	mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-092823	09-28-2023 23:01	09-29-2023	11:04	7.56	8.22	63.30	10.50	225.65	23.69	Clear	No	--	

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 09-28-2023 00:01 Multi Meter ID: 766679
 ISCO End Date and Time: 09-28-2023 23:01

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Latitude: 34.7553460671905
 Longitude: -78.77930912592
 Staff Gauge Water Level Reading (ft): 0.3
 Temperature Reading (degrees C): 21
 Rain Reading (mm): 0



GPS Location (if collected)

General Comment:

Collected CFR-TARHEEL-24-092623, CFR-TARHEEL-24-092723, and CFR-TARHEEL-24-092823; no errors

Sampling Comments:



ISCOs



Staff gauge

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-BLADEN Project Manager: Tracy Ovbe

Samplers: BRANDON WEIDNER(TAYLOR CRITTENDEN) Sampling Event: Quarterly CAP Event Type: Sampling

Date: 07-26-2023 Time: 16:50

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP3Q23-CFR-BLADEN-072623	7/26/2023 17:00		7.48	6.29	162.90	10.70	134.40	32.71	clear	no	--

Sampling Data

Sampling Method: Peri Pump Grab Tubing Depth (ft): 7 Distance to River Right: 28
 Sampling Location: Thalweg Multi Meter Used: Insitu Aqua Troll Distance to River Left: 54
 Total Depth to Bottom of Channel (ft): 14 Multi Meter ID: 706720 Distance to River (Right/Left) Units: m

WEATHER CONDITIONS

Temperature (F):	84
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude: 34.772104972467
 Longitude: -78.798068513593



General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: CFR-KINGS Project Manager: Tracy Ovbe

Samplers: BRANDON WEIDNER|DEBORAH AYERS Sampling Event: Quarterly CAP Event Type: Sampling

Date: 08-01-2023 Time: 13:40

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP3Q23-CFR-KINGS-080123	08-01-2023 13:50		7.62	1.11	94.50	18.00	469.02	33.88	Clear	None	--

Sampling Data

Sampling Method: Peri Pump Grab Tubing Depth (ft): 10.25 Distance to River Right: 90
 Sampling Location: Thalweg Multi Meter Used: Instru Aqua Troll Distance to River Left: 7
 Total Depth to Bottom of Channel (ft): 20.5 Multi Meter ID: 706720 Distance to River (Right/Left) Units: m

WEATHER CONDITIONS

Temperature (F):	87.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude: 34.4073179629078
 Longitude: -78.2948481358438



General Comments:

Sample Comments:



River Right



River Left

SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:

Samplers:

Sampling Event:

Event Type:

Date:

Time:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP3Q23-CFR-RM-76-072623	07-26-2023	09:25	7.04	5.56	109.10	12.50	711.54	29.97	Yellow	No	--

Sampling Data

Sampling Method:

Tubing Depth (ft):

Distance to River Right:

Sampling Location:

Multi Meter Used:

Distance to River Left:

Total Depth to Bottom of Channel (ft):

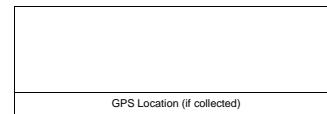
Multi Meter ID:

Distance to River (Right/Left) Units:

WEATHER CONDITIONS

Temperature (F):	<input type="text" value="80.00"/>
Sky:	<input type="text" value="Sunny"/>
Precipitation:	<input type="text" value="None"/>
Wind (mph)	<input type="text" value="0"/>

Latitude:
Longitude:



GPS Location (if collected)

General Comments:

Sample Comments:



River R



River L

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey																								
Samplers:	BRANDON WEIDNER DEBORAH AYERS	Sampling Event:	Quarterly CAP	Event Type:	Sampling																								
Date:	07-27-2023	Time:	10:18																										
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Spl ID</th> <th>Spl Date</th> <th>Time</th> <th>pH</th> <th>DO</th> <th>Redox</th> <th>Turbidity</th> <th>Spec. Cond.</th> <th>Temp.</th> <th>Color</th> <th>Odor</th> <th>QA/QC</th> </tr> </thead> <tbody> <tr> <td>CAP3Q23-CFR-TARHEEL-072723</td> <td>07-27-2023 10:25</td> <td></td> <td>7.24</td> <td>6.60</td> <td>mV 117.60</td> <td>NTU 13.40</td> <td>µS/cm 130.70</td> <td>°C 30.81</td> <td>Clear with particulates</td> <td>No</td> <td>--</td> </tr> </tbody> </table>						Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	CAP3Q23-CFR-TARHEEL-072723	07-27-2023 10:25		7.24	6.60	mV 117.60	NTU 13.40	µS/cm 130.70	°C 30.81	Clear with particulates	No	--
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC																		
CAP3Q23-CFR-TARHEEL-072723	07-27-2023 10:25		7.24	6.60	mV 117.60	NTU 13.40	µS/cm 130.70	°C 30.81	Clear with particulates	No	--																		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6.5	Distance to River Right:	20
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	59
Total Depth to Bottom of Channel (ft):	13.1	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

WEATHER CONDITIONS	
Temperature (F):	85.00
Sky:	Sunny
Precipitation:	None
Wind (mph):	6

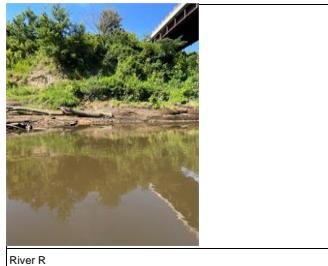
Latitude: 34.7443548124608
Longitude: -78.7853950169671



GPS Location (if collected)

General Comments:

Sample Comments:



River R



River L

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbe																																				
Samplers:	ANA CARRELL DEBORAH AYERS	Sampling Event:	Quarterly CAP	Event Type:	Sampling																																				
Date:	07-27-2023	Time:	08:33																																						
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Spl ID</th> <th>Spl Date</th> <th>Time</th> <th>pH</th> <th>DO</th> <th>Redox</th> <th>Turbidity</th> <th>Spec. Cond.</th> <th>Temp.</th> <th>Color</th> <th>Odor</th> <th>QAQC</th> </tr> <tr> <th></th> <th></th> <th></th> <th>mg/L</th> <th>mV</th> <th>NTU</th> <th>µS/cm</th> <th>°C</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>CAP3Q23-CFR-TARHEEL-6-072723</td> <td>07-27-2023 13:46</td> <td></td> <td>7.25</td> <td>6.25</td> <td>106.00</td> <td>15.20</td> <td>150.77</td> <td>27.28</td> <td>Clear with particulates</td> <td>No</td> <td></td> </tr> </tbody> </table>						Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QAQC				mg/L	mV	NTU	µS/cm	°C					CAP3Q23-CFR-TARHEEL-6-072723	07-27-2023 13:46		7.25	6.25	106.00	15.20	150.77	27.28	Clear with particulates	No	
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QAQC																														
			mg/L	mV	NTU	µS/cm	°C																																		
CAP3Q23-CFR-TARHEEL-6-072723	07-27-2023 13:46		7.25	6.25	106.00	15.20	150.77	27.28	Clear with particulates	No																															

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	07-27-2023 08:46	Multi Meter ID:	766679
ISCO End Date and Time:	07-27-2023 13:46		

WEATHER CONDITIONS	
Temperature (F):	95.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.74493629
Longitude: -78.78519162

GPS Location (if collected)

General Comments: Malfunction with calibration of sampling amount, pulled too much liquid; No Liquid Detected for samples 7-24;

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: GBC-1 Project Manager: Tracy Ovbey

Samplers: BRANDON WEIDNER(TAYLOR CRITTENDEN) Sampling Event: Quarterly CAP Event Type: Sampling

Date: 07-26-2023 Time: 12:23

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP3Q23-CFR-GBC-1-072623	07-26-2023 12:40	4.91	6.44	82.30	6.25	158.90	28.32	clear	none	--	

Sampling Data

Sampling Method: Bottle Grab Tubing Depth (ft): -- Distance to River Right: --
 Sampling Location: Center of River Multi Meter Used: Insitu Aqua Troll Distance to River Left: --
 Total Depth to Bottom of Channel (ft): 2 Multi Meter ID: 706720 Distance to River (Right/Left) Units: --

WEATHER CONDITIONS

Temperature (F):	95.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude: 34.8149895678422
 Longitude: -78.8212916742888



General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville

Location ID: Lock-Dam North

Project Manager: Tracy Ovbey

Samplers: BRANDON WEIDNER

Sampling Event: Quarterly CAP

Event Type: Sampling

Date: 07-26-2023

Time: 09:30

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			mg/L	mV	NTU	µS/cm	°C				
CAP3Q23-LOCK-DAM-NORTH-072623	07-26-2023	09:40	7.49	5.90	36.10	9.63	194.77	29.64	clear	no	--

Sampling Data

Sampling Method: Bottle Grab

Multi Meter Used: Insitu Aqua Troll

Flow Rate: 1.52

Water Quality Condition: --

Multi Meter ID: 766679

Flow Rate Units: L/min

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.8338473259125
Longitude: -78.8235256845449



General Comments:			
Sampling Comments:			



SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville

Location ID: Lock-Dam Seep

Project Manager:

Tracy Ovby

Samplers: BRANDON WEIDNER

Sampling Event: Quarterly CAP

Event Type:

Sampling

Date: 07-26-2023

Time: 09:48

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			mg/L	mV	NTU	µS/cm	°C				
CAP3Q23-LOCK-DAM-SEEP-072623	07-26-2023	09:50	7.65	4.89	22.70	17.80	403.41	29.22	clear	no	--

Sampling Data

Sampling Method: Bottle Grab

Multi Meter Used: Insitu Aqua Troll

Flow Rate: 3.14

Water Quality Condition: --

Multi Meter ID: 766679

Flow Rate Units: L/min

WEATHER CONDITIONS	
Temperature (F):	84.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude: 34.8338361447329
Longitude: -78.8236928679416

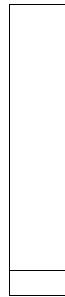


GPS Location (if collected)



Lock and Damn Seep

General Comments:			
Sampling Comments:			



SURFACE WATER SAMPLING RECORD

Site Name: Location ID: Project Manager:

Samplers: Sampling Event: Event Type:

Date: Time:

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			mg/L	mV	NTU	µS/cm	°C				
CAP3Q23-OLDOF-1-24-072723	07-27-2023 07:30		7.06	7.28	159.00	245.50	29.20	Clear	No	-	

Sampling Data

Sampling Method: Multi Meter Used:

ISCO Start Date and Time: Multi Meter ID:

ISCO End Date and Time:

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude:
Longitude:



General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville			Location ID:	OUTFALL 002			Project Manager:	Tracy Ovbe																																																		
Samplers:	SAIRA BOHAM SOPHIA HAYES			Sampling Event:	Quarterly CAP			Event Type:	Sampling																																																		
Date:	07-26-2023			Time:	09:50																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Spl ID</th> <th>Spl Date</th> <th>Time</th> <th>pH</th> <th>DO</th> <th>Redox</th> <th>Turbidity</th> <th>Spec. Cond.</th> <th>Temp.</th> <th>Color</th> <th>Odor</th> <th>QA/QC</th> </tr> <tr> <th></th> <th></th> <th></th> <th>mg/L</th> <th>mV</th> <th>NTU</th> <th></th> <th>µS/cm</th> <th>°C</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>CAP3Q23-OUTFALL-002-24-072723</td> <td>07-27-2023</td> <td>06:30</td> <td>8.33</td> <td>4.13</td> <td>154.90</td> <td>14.60</td> <td>298.50</td> <td>28.40</td> <td>Clear</td> <td>No</td> <td>--</td> </tr> <tr> <td></td> </tr> </tbody> </table>												Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC				mg/L	mV	NTU		µS/cm	°C				CAP3Q23-OUTFALL-002-24-072723	07-27-2023	06:30	8.33	4.13	154.90	14.60	298.50	28.40	Clear	No	--												
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC																																																
			mg/L	mV	NTU		µS/cm	°C																																																			
CAP3Q23-OUTFALL-002-24-072723	07-27-2023	06:30	8.33	4.13	154.90	14.60	298.50	28.40	Clear	No	--																																																

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: Insitu Aqua Troll
 ISCO Start Date and Time: 07-26-2023 07:30 Multi Meter ID: 706720
 ISCO End Date and Time: 07-27-2023 06:30

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.8379236
 Longitude: -78.83081786

GPS Location (if collected)

General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE2	Project Manager:	Tracy Ovbey																								
Samplers:	SAIRA BOHAM SOPHIA HAYES	Sampling Event:	Quarterly CAP	Event Type:	Sampling																								
Date:	07-26-2023	Time:	13:59																										
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Spl ID</th> <th>Spl Date</th> <th>Time</th> <th>pH</th> <th>DO</th> <th>Redox</th> <th>Turbidity</th> <th>Spec. Cond.</th> <th>Temp.</th> <th>Color</th> <th>Odor</th> <th>QA/QC</th> </tr> </thead> <tbody> <tr> <td>CAP3Q23-RIVER WATER INTAKE2-24-072723</td> <td>07-27-2023 13:14</td> <td></td> <td>6.82</td> <td>8.47</td> <td>141.40</td> <td>144.00</td> <td>323.30</td> <td>34.48</td> <td>Cloudy</td> <td>No</td> <td>--</td> </tr> </tbody> </table>						Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	CAP3Q23-RIVER WATER INTAKE2-24-072723	07-27-2023 13:14		6.82	8.47	141.40	144.00	323.30	34.48	Cloudy	No	--
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC																		
CAP3Q23-RIVER WATER INTAKE2-24-072723	07-27-2023 13:14		6.82	8.47	141.40	144.00	323.30	34.48	Cloudy	No	--																		

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-26-2023 14:14 Multi Meter ID: 706720
 ISCO End Date and Time: 07-27-2023 13:14

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.84354379
 Longitude: -78.83547763

GPS Location (if collected)

General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville			Location ID:	SEEP-A			Project Manager:	Tracy Ovbe		
Samplers:	SAIRA BOHAM SOPHIA HAYES			Sampling Event:	Quarterly CAP			Event Type:	Sampling		
Date:	07-26-2023			Time:	08:07						
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
CAP3Q23-SEEP-A-24-072723	07-27-2023	05:48	7.29	5.10	187.70	12.20	432.30	25.30	Clear	No	--

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-26-2023 06:48 Multi Meter ID: 706720
 ISCO End Date and Time: 07-27-2023 05:48

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.84521396
 Longitude: -78.82535443

GPS Location (if collected)

General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B	Project Manager:	Tracy Ovbe																																				
Samplers:	SAIRA BOHAM SOPHIA HAYES	Sampling Event:	Quarterly CAP	Event Type:	Sampling																																				
Date:	07-26-2023	Time:	08:30																																						
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Spl ID</th> <th>Spl Date</th> <th>Time</th> <th>pH</th> <th>DO</th> <th>Redox</th> <th>Turbidity</th> <th>Spec. Cond.</th> <th>Temp.</th> <th>Color</th> <th>Odor</th> <th>QA/QC</th> </tr> <tr> <th></th> <th></th> <th></th> <th>mg/L</th> <th>mV</th> <th>NTU</th> <th>µS/cm</th> <th>°C</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>CAP3Q23-SEEP-B-24-072723</td> <td>07-27-2023 06:06</td> <td></td> <td>8.15</td> <td>5.66</td> <td>170.20</td> <td>86.20</td> <td>330.60</td> <td>25.20</td> <td>Cloudy</td> <td>No</td> <td>--</td> </tr> </tbody> </table>						Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC				mg/L	mV	NTU	µS/cm	°C					CAP3Q23-SEEP-B-24-072723	07-27-2023 06:06		8.15	5.66	170.20	86.20	330.60	25.20	Cloudy	No	--
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC																														
			mg/L	mV	NTU	µS/cm	°C																																		
CAP3Q23-SEEP-B-24-072723	07-27-2023 06:06		8.15	5.66	170.20	86.20	330.60	25.20	Cloudy	No	--																														

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	In situ Aqua Troll
ISCO Start Date and Time:	07-26-2023 07:06	Multi Meter ID:	706720
ISCO End Date and Time:	07-27-2023 06:06		

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.8422856
Longitude: 34.8422856

GPS Location (if collected)

General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville			Location ID:	SEEP-C			Project Manager:	Tracy Ovbey		
Samplers:	SAIRA BOHAM SOPHIA HAYES			Sampling Event:	Quarterly CAP			Event Type:	Sampling		
Date:	07-26-2023			Time:	09:33						
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
CAP3Q23SEEP-C-22-072723	07-27-2023	04:42	8.33	4.13	154.90	14.60	298.50	28.40	Clear	No	

Sampling Data

Sampling Method:	ISCO Composite			Multi Meter Used:	Insitu Aqua Troll		
ISCO Start Date and Time:	07-26-2023 07:42			Multi Meter ID:	706720		
ISCO End Date and Time:	07-27-2023 04:42						

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.83840245
Longitude: -78.82451325

GPS Location (if collected)

General Comments:

22 of 24 samples; no liquid detected for samples 23 and 24

Sample Comments:

--

--

SURFACE WATER SAMPLING RECORD

Site Name: Chemours Fayetteville Location ID: SEEP-D Project Manager: Tracy OvbeY

Samplers: SAIRA BOHAM|SOPHIA HAYES| Sampling Event: Quarterly CAP Event Type: Sampling

Date: 07-26-2023

Time: 08:59

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			mg/L	mV	NTU	µS/cm	°C				
CAP3Q23SEEP-D-24-072723	07-27-2023 08:05		7.35	3.59	164.40	17.40	285.10	24.80	Clear	No	--

Sampling Data

Sampling Method: ISCO Composite

Multi Meter Used: InSitu Aqua Troll

ISCO Start Date and Time: 07-26-2023 09:05

Multi Meter ID: 706720

ISCO End Date and Time: 07-27-2023 08:05

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude: 34.8373464
Longitude: -78.8247194

GPS Location (if collected)

General Comments:

Sample Comments:

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville			Location ID:	WC-1			Project Manager:	Tracy Ovbe		
Samplers:	BRANDON WEIDNER			Sampling Event:	Quarterly CAP			Event Type:	Sampling		
Date:	07-26-2023			Time:	07:17						
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
CAP3Q23-WC-1-24-072723	07-27-2023 06:34		6.85	7.17	50.50	16.60	310.23	24.22	Clear	None	--

Sampling Data

Sampling Method: ISCO Composite Multi Meter Used: In situ Aqua Troll
 ISCO Start Date and Time: 07-26-2023 07:34 Multi Meter ID: 766679
 ISCO End Date and Time: 07-27-2023 06:34

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude: 34.8513017915633
 Longitude: -78.8276130316074

GPS Location (if collected)

General Comments:

Sample Comments:

Appendix D

Laboratory Reports and DVM

Report

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 2023 (select lots) (updated)

Project Reviewer: Bridget Gavaghan and Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-070523	320-102369-2	Surface Water	N	07/05/2023	23:01	FS
CFR-TARHEEL-24-070323	320-102524-1	Surface Water	N	07/03/2023	23:01	FS
CFR-TARHEEL-24-070723	320-102524-2	Surface Water	N	07/07/2023	23:01	FS
CFR-TARHEEL-24-071023	320-102524-3	Surface Water	N	07/10/2023	23:01	FS
CFR-TARHEEL-24-071323	320-102689-1	Surface Water	N	07/13/2023	23:01	FS
CFR-TARHEEL-24-071723	320-102689-2	Surface Water	N	07/17/2023	23:01	FS
CFR-TARHEEL-24-072023	320-103015-1	Surface Water	N	07/20/2023	23:01	FS
CFR-TARHEEL-24-072423	320-103015-2	Surface Water	N	07/24/2023	23:01	FS
CFR-TARHEEL-24-072423-D	320-103015-3	Surface Water	N	07/24/2023	23:01	DUP
CFR-TARHEEL-24-072723	320-103209-1	Surface Water	N	07/27/2023	23:01	FS
CFR-TARHEEL-24-073123	320-103209-2	Surface Water	N	07/31/2023	23:01	FS
CFR-TARHEEL-24-080323	320-103524-1	Surface Water	N	08/03/2023	23:01	FS
CFR-TARHEEL-24-080723	320-103524-2	Surface Water	N	08/07/2023	23:01	FS
CFR-TARHEEL-24-081023	320-104062-1	Surface Water	N	08/10/2023	23:01	FS
CFR-TARHEEL-24-081423	320-104062-2	Surface Water	N	08/14/2023	23:01	FS
CFR-TARHEEL-24-081423	320-104208-1	Surface Water	N	08/14/2023	23:01	FS
CFR-TARHEEL-24-081423-D	320-104208-2	Surface Water	N	08/14/2023	23:01	DUP
CFR-TARHEEL-24-081723	320-104389-1	Surface Water	N	08/17/2023	23:01	FS
CFR-TARHEEL-24-082123	320-104389-2	Surface Water	N	08/21/2023	23:01	FS
CFR-TARHEEL-24-082423	320-104389-3	Surface Water	N	08/24/2023	23:01	FS
CFR-TARHEEL-24-082823	320-104389-4	Surface Water	N	08/28/2023	23:01	FS
CFR-TARHEEL-15-090123	320-104624-1	Surface Water	N	09/01/2023	23:01	FS
CFR-TARHEEL-090123	320-104624-2	Surface Water	N	09/01/2023	09:10	FS
CFR-TARHEEL-24-090423	320-104624-3	Surface Water	N	09/04/2023	23:01	FS
CFR-TARHEEL-24-090723	320-104932-1	Surface Water	N	09/07/2023	23:01	FS
CFR-TARHEEL-24-091123	320-104932-2	Surface Water	N	09/11/2023	23:01	FS

CFR-TARHEEL-24-091123-D	320-104932-3	Surface Water	N	09/11/2023	23:01	DUP
CFR-TARHEEL-24-091523	320-105126-1	Surface Water	N	09/15/2023	23:01	FS
CFR-TARHEEL-24-091823	320-105126-2	Surface Water	N	09/18/2023	23:01	FS
CFR-TARHEEL-24-092223	320-105404-1	Surface Water	N	09/22/2023	23:01	FS
CFR-TARHEEL-24-092523	320-105404-2	Surface Water	N	09/25/2023	23:01	FS
CFR-TARHEEL-24-092823	320-105754-1	Surface Water	N	09/28/2023	23:01	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)	Tarheel Sampling

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 data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X		
F	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
- Temperature upon laboratory receipt not to exceed 10 C (manual check)

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:

Tarheel Sampling

Validation Options:

LABSTATS

Validation Reason Code:

The analysis hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Sampled Lab Sample ID	Analyte	Date		Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
			Result	Units							
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023 320-103524-1	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023 320-103524-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason Code: 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-24-080723	08/07/2023	320-103524-2	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PMPA	0.010	UG/L	PQL	0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	

Validation Reason Code: 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-24-081423	08/14/2023	320-104208-1	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PMPA	0.010	UG/L	PQL	0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	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 Code: 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-24-081423-D	08/14/2023	320-104208-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	R-PSDCA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PEPA	0.020	UG/L	PQL	0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	NVHOS, Acid Form	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	

Site: Fayetteville

Sampling Program: Tarheel Sampling

Validation Options: LABSTATS

Validation Reason Code: 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-24-072423	07/24/2023	320-103015-2	R-PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-072423	07/24/2023	320-103015-2	R-EVE	0.0032	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 Code:

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-24-082823	08/28/2023	320-104389-4	Hydrolyzed PSDA	0.0029	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092223	09/22/2023	320-105404-1	R-PSDA	0.0047	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092223	09/22/2023	320-105404-1	Hydrolyzed PSDA	0.0022	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092223	09/22/2023	320-105404-1	R-EVE	0.0022	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092523	09/25/2023	320-105404-2	R-PSDA	0.0052	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092823	09/28/2023	320-105754-1	R-PSDA	0.0033	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-092823	09/28/2023	320-105754-1	Hydrolyzed PSDA	0.0023	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-100223	10/02/2023	320-105754-2	R-PSDA	0.0044	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-100223	10/02/2023	320-105754-2	Hydrolyzed PSDA	0.0024	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081723	08/17/2023	320-104389-1	R-PSDA	0.0038	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082123	08/21/2023	320-104389-2	R-PSDA	0.0031	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082123	08/21/2023	320-104389-2	Hydrolyzed PSDA	0.0024	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-070523	07/05/2023	320-102369-2	R-PSDA	0.0022	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-070723	07/07/2023	320-102524-2	R-PSDA	0.0031	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-071023	07/10/2023	320-102524-3	R-PSDA	0.0057	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-071023	07/10/2023	320-102524-3	R-EVE	0.0029	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-071323	07/13/2023	320-102689-1	R-PSDA	0.0026	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-072023	07/20/2023	320-103015-1	R-PSDA	0.0022	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-072023	07/20/2023	320-103015-1	R-EVE	0.0033	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-072423-D	07/24/2023	320-103015-3	R-PSDA	0.0045	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-072423-D	07/24/2023	320-103015-3	R-EVE	0.0030	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-072723	07/27/2023	320-103209-1	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	

Validation Reason Code: 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-24-082423	08/24/2023	320-104389-3	PFMOAA	0.0050	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Hydrolyzed PSDA	0.0031	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Perfluoroheptanoic Acid	0.0044	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFO2HxA	0.0089	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PFO3OA	0.0024	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	PMPA	0.017	UG/L	PQL	0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-082423	08/24/2023	320-104389-3	Hfpo Dimer Acid	0.0051	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFMOAA	0.0056	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFMOAA	0.013	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFMOAA	0.012	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	Perfluoroheptanoic Acid	0.0048	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	PFO2HxA	0.0070	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423-D	08/14/2023	320-104208-2	Hfpo Dimer Acid	0.0062	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFO5DA	0.0021	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Hfpo Dimer Acid	0.0068	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Hfpo Dimer Acid	0.0066	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	R-EVE	0.0022	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	Perfluoroheptanoic Acid	0.0041	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	Perfluoroheptanoic Acid	0.0052	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PFO2HxA	0.0068	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104208-1	PFO2HxA	0.0072	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-081423	08/14/2023	320-104062-2	PMPA	0.020	UG/L	PQL	0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	PFMOAA	0.018	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 Code: 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-24-080723	08/07/2023	320-103524-2	Perfluoroheptanoic Acid	0.0035	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	PFO2HxA	0.0073	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	R-PSDA	0.0054	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	R-EVE	0.0042	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	PFMOAA	0.021	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	PMPA	0.023	UG/L	PQL	0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080723	08/07/2023	320-103524-2	Hfpo Dimer Acid	0.0058	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	Perfluoroheptanoic Acid	0.0035	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	PFO2HxA	0.0081	ug/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	R-PSDA	0.0044	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	Hydrolyzed PSDA	0.0026	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	PMPA	0.019	UG/L	PQL	0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	
CFR-TARHEEL-24-080323	08/03/2023	320-103524-1	Hfpo Dimer Acid	0.0053	UG/L	PQL	0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep	

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW/GW Sampling 2023 (updated)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP3Q23-BCA-A14701-070723	320-102399-1	Groundwater	N	07/07/2023	09:00	FS
CAP3Q23-MW-19D-071023	320-102399-10	Groundwater	N	07/10/2023	15:50	FS
CAP3Q23-PW-06-071023	320-102399-11	Groundwater	N	07/10/2023	16:40	FS
CAP3Q23-BCA-02-070723	320-102399-2	Groundwater	N	07/07/2023	11:00	FS
CAP3Q23-PW-11-070723	320-102399-3	Groundwater	N	07/07/2023	08:40	FS
CAP3Q23-PW-14-070723	320-102399-4	Groundwater	N	07/07/2023	10:50	FS
CAP3Q23-PW-14-070723-D	320-102399-5	Groundwater	N	07/07/2023	10:50	DUP
CAP3Q23-PW-15R-070723	320-102399-6	Groundwater	N	07/07/2023	08:50	FS
CAP3Q23-PIW-16S-071023	320-102399-7	Groundwater	N	07/10/2023	15:15	FS
CAP3Q23-SMW-01-071023	320-102399-8	Groundwater	N	07/10/2023	15:25	FS
CAP3Q23-MW-13D-071023	320-102399-9	Groundwater	N	07/10/2023	16:30	FS
CAP3Q23-MW-15DRR-071123	320-102509-1	Groundwater	N	07/11/2023	13:15	FS
CAP3Q23-EQBLK-BP-071123	320-102509-10	Blank Water	N	07/11/2023	16:25	EB
CAP3Q23-EQBLK-DV-071223	320-102509-11	Blank Water	N	07/12/2023	08:15	EB
CAP3Q23-PIW-7S-071123	320-102509-2	Groundwater	N	07/11/2023	12:20	FS
CAP3Q23-PIW-7D-071123	320-102509-3	Groundwater	N	07/11/2023	10:45	FS
CAP3Q23-PIW-8D-071123	320-102509-4	Groundwater	N	07/11/2023	15:15	FS
CAP3Q23-OW-28-071123	320-102509-5	Groundwater	N	07/11/2023	14:05	FS
CAP3Q23-LTW-05-071123	320-102509-6	Groundwater	N	07/11/2023	16:20	FS
CAP3Q23-MW-20D-071123	320-102509-7	Groundwater	N	07/11/2023	15:45	FS
CAP3Q23-MW-20D-071123-D	320-102509-8	Groundwater	N	07/11/2023	15:45	DUP
CAP3Q23-BCA-03R-071123	320-102509-9	Groundwater	N	07/11/2023	16:30	FS
CAP3Q23-LTW-04-071123	320-102527-1	Groundwater	N	07/11/2023	14:00	FS
CAP3Q23-EQBLK-PP-071223	320-102527-10	Blank Water	N	07/12/2023	16:00	EB
CAP3Q-PZ-22-071123	320-102527-2	Groundwater	N	07/11/2023	15:55	FS
CAP3Q23-OW-33-071223	320-102527-3	Groundwater	N	07/12/2023	10:10	FS
CAP3Q23-MW-22D-071223	320-102527-4	Groundwater	N	07/12/2023	12:00	FS
CAP3Q23-LTW-03-071223	320-102527-5	Groundwater	N	07/12/2023	12:20	FS
CAP3Q23-PIW-6S-071223	320-102527-6	Groundwater	N	07/12/2023	14:05	FS
CAP3Q23-MW-16D-071223	320-102527-7	Groundwater	N	07/12/2023	14:10	FS
CAP3Q23-LTW-02-071223	320-102527-8	Groundwater	N	07/12/2023	15:40	FS
CAP3Q23-BLADEN-1DR-071223	320-102527-9	Groundwater	N	07/12/2023	16:45	FS
CAP3Q23-MW-24-071823	320-102688-1	Groundwater	N	07/18/2023	09:50	FS
CAP3Q23-MW-12S-071823	320-102688-2	Groundwater	N	07/18/2023	10:55	FS
CAP3Q23-MW-1S-071823	320-102688-3	Groundwater	N	07/18/2023	14:10	FS
CAP3Q23-SMW-07-071823	320-102688-4	Groundwater	N	07/18/2023	15:35	FS
CAP3Q23-SMW-12-071823	320-102688-5	Groundwater	N	07/18/2023	11:00	FS

CAP3Q23-PIW-3D-071323	320-102712-1	Groundwater	N	07/13/2023	11:05	FS
CAP3Q23-OW-30-071323	320-102712-10	Groundwater	N	07/13/2023	13:50	FS
CAP3Q23-OW-30-071323-Z	320-102712-11	Groundwater	Y	07/13/2023	13:50	FS
CAP3Q23-LTW-01-071323	320-102712-2	Groundwater	N	07/13/2023	12:30	FS
CAP3Q23-PIW-4D-071323	320-102712-3	Groundwater	N	07/13/2023	15:15	FS
CAP3Q23-MW-28-071323	320-102712-4	Groundwater	N	07/13/2023	12:00	FS
CAP3Q23-PIW-10S-071323	320-102712-5	Groundwater	N	07/13/2023	14:15	FS
CAP3Q23-PZ-27-071323	320-102712-6	Groundwater	N	07/13/2023	12:55	FS
CAP3Q23-MW-27-071323	320-102712-7	Groundwater	N	07/13/2023	11:10	FS
CAP3Q23-INSITU-01-071323	320-102712-8	Groundwater	N	07/13/2023	16:05	FS
CAP3Q23-OW-40-071323	320-102712-9	Groundwater	N	07/13/2023	16:10	FS
CAP3Q23-PW-13-071323	320-102716-1	Groundwater	N	07/13/2023	11:25	FS
CAP3Q23-PW-01-071723	320-102716-10	Groundwater	N	07/17/2023	13:15	FS
CAP3Q23-SMW-11-071723	320-102716-11	Groundwater	N	07/17/2023	15:45	FS
CAP3Q23-MW-14D-071323	320-102716-2	Groundwater	N	07/13/2023	13:35	FS
CAP3Q23-PIW-16D-071423	320-102716-3	Groundwater	N	07/14/2023	11:30	FS
CAP3Q23-MW-21D-071423	320-102716-4	Groundwater	N	07/14/2023	12:50	FS
CAP3Q23-PIW-10DR-071423	320-102716-5	Groundwater	N	07/14/2023	12:25	FS
CAP3Q23-MW-18D-071723	320-102716-6	Groundwater	N	07/17/2023	13:30	FS
CAP3Q23-PW-12-071723	320-102716-7	Groundwater	N	07/17/2023	11:45	FS
CAP3Q23-PZ-11-071723	320-102716-8	Groundwater	N	07/17/2023	14:45	FS
CAP3Q23-SMW-10-071723	320-102716-9	Groundwater	N	07/17/2023	12:05	FS
CAP3Q23-PZ-26-071723	320-102718-1	Groundwater	N	07/17/2023	11:50	FS
CAP3Q23-EQBLK-PP-071723	320-102718-10	Blank Water	N	07/17/2023	12:00	EB
CAP3Q23-EQBLK-FILTER-071423	320-102718-11	Blank Water	N	07/14/2023	13:00	EB
CAP3Q23-MW-23-071723	320-102718-2	Groundwater	N	07/17/2023	15:10	FS
CAP3Q23-PZ-28-071723	320-102718-3	Groundwater	N	07/17/2023	10:50	FS
CAP3Q23-PZ-24-071723	320-102718-4	Groundwater	N	07/17/2023	13:15	FS
CAP3Q23-MW-30-071823	320-102718-5	Groundwater	N	07/18/2023	11:35	FS
CAP3Q23-MW-7S-071823	320-102718-6	Groundwater	N	07/18/2023	12:55	FS
CAP3Q23-MW-25-071823	320-102718-7	Groundwater	N	07/18/2023	10:30	FS
CAP3Q23-PZ-15-071823	320-102718-8	Groundwater	N	07/18/2023	15:55	FS
CAP3Q23-MW-9S-071823	320-102718-9	Groundwater	N	07/18/2023	14:15	FS
CAP3Q23-FTA-01-071923	320-102791-1	Groundwater	N	07/19/2023	14:45	FS
CAP3Q23-FTA-02-071923	320-102791-2	Groundwater	N	07/19/2023	11:05	FS
CAP3Q23-FTA-02-071923-D	320-102791-3	Groundwater	N	07/19/2023	11:05	DUP
CAP3Q23-FTA-03-071923	320-102791-4	Groundwater	N	07/19/2023	13:00	FS
CAP3Q23-SMW-03B-071923	320-102791-5	Groundwater	N	07/19/2023	12:05	FS
CAP3Q23-SMW-09-071923	320-102791-6	Groundwater	N	07/19/2023	16:15	FS
CAP3Q23-NAF-06-071923	320-102796-1	Groundwater	N	07/19/2023	11:05	FS
CAP3Q23-NAF-06-071923-Z	320-102796-2	Groundwater	Y	07/19/2023	11:05	FS
CAP3Q23-NAF-07-071923	320-102796-3	Groundwater	N	07/19/2023	12:20	FS

CAP3Q23-NAF-11A-071923	320-102796-4	Groundwater	N	07/19/2023	13:55	FS
CAP3Q23-PW-02-071923	320-102796-5	Groundwater	N	07/19/2023	15:25	FS
CAP3Q23-PW-02-071923-Z	320-102796-6	Groundwater	Y	07/19/2023	15:25	FS
CAP3Q23-PW-03-071923	320-102796-7	Groundwater	N	07/19/2023	13:25	FS
CAP3Q23-NAF-01-072123	320-102898-1	Groundwater	N	07/21/2023	10:25	FS
CAP3Q23-PZ-14-072123	320-102898-2	Groundwater	N	07/21/2023	11:25	FS
CAP3Q23-SMW-05PR-072123	320-102898-3	Groundwater	N	07/21/2023	12:55	FS
CAP3Q23-PIW-14-072423	320-102898-4	Groundwater	N	07/24/2023	14:25	FS
CAP3Q23-PIW-12-072423	320-102898-5	Groundwater	N	07/24/2023	14:30	FS
CAP3Q23-PIW-13-072423	320-102898-6	Groundwater	N	07/24/2023	12:15	FS
CAP3Q23-OW-55-072523	320-102898-7	Groundwater	N	07/25/2023	10:55	FS
CAP3Q23-PIW-15-072523	320-102898-8	Groundwater	N	07/25/2023	13:40	FS
CAP3Q23-NAF-09-072023	320-102901-1	Groundwater	N	07/20/2023	13:40	FS
CAP3Q23-NAF-03-072023	320-102901-10	Groundwater	N	07/20/2023	13:40	FS
CAP3Q23-NAF-10-072023	320-102901-2	Groundwater	N	07/20/2023	10:45	FS
CAP3Q23-PZ-13-072023	320-102901-3	Groundwater	N	07/20/2023	14:40	FS
CAP3Q23-PW-05-072023	320-102901-4	Groundwater	N	07/20/2023	12:35	FS
CAP3Q23-BCA-04-072023	320-102901-5	Groundwater	N	07/20/2023	10:35	FS
CAP3Q23-MW-17D-072023	320-102901-6	Groundwater	N	07/20/2023	15:10	FS
CAP3Q23-PIW-2D-072023	320-102901-7	Groundwater	N	07/20/2023	14:15	FS
CAP3Q23-SMW-04B-072023	320-102901-8	Groundwater	N	07/20/2023	16:15	FS
CAP3Q23-NAF-02-072023	320-102901-9	Groundwater	N	07/20/2023	15:15	FS
CAP3Q23-CUMBERLAND-1S-072723	320-103202-1	Groundwater	N	07/27/2023	15:50	FS
CAP3Q23-OW-57-073123	320-103202-10	Groundwater	N	07/31/2023	12:00	FS
CAP3Q23-CUMBERLAND-1D-072823	320-103202-2	Groundwater	N	07/28/2023	10:20	FS
CAP3Q23-CUMBERLAND-2S-072823	320-103202-3	Groundwater	N	07/28/2023	12:50	FS
CAP3Q23-CUMBERLAND-2D-072823	320-103202-4	Groundwater	N	07/28/2023	11:55	FS
CAP3Q23-PW-04-072823	320-103202-5	Groundwater	N	07/28/2023	07:10	FS
CAP3Q23-PW-04-072823-Z	320-103202-6	Groundwater	Y	07/28/2023	07:10	FS
CAP3Q23-ROBESON-1D-072823	320-103202-7	Groundwater	N	07/28/2023	12:30	FS
CAP3Q23-PIW-11-073123	320-103202-8	Groundwater	N	07/31/2023	14:40	FS
CAP3Q23-OW-56-073123	320-103202-9	Groundwater	N	07/31/2023	13:50	FS
CAP3Q23-ROBESON-1S-080123	320-103526-1	Groundwater	N	08/01/2023	13:55	FS
CAP3Q23-BLADEN-2S-080123	320-103526-2	Groundwater	N	08/01/2023	15:20	FS
CAP3Q23-BLADEN-2D-080223	320-103526-3	Groundwater	N	08/02/2023	11:05	FS
CAP3Q23-PIW-1D-080223	320-103526-4	Groundwater	N	08/02/2023	14:50	FS
CAP3Q23-PW-10RR-080323	320-103526-5	Groundwater	N	08/03/2023	15:50	FS
CAP3Q23-OW-51-080323	320-103526-6	Groundwater	N	08/03/2023	10:05	FS
CAP3Q23-OW-4R-080423	320-103526-7	Groundwater	N	08/04/2023	11:30	FS

CAP3Q23-PIW-5SR-080423	320-103526-8	Groundwater	N	08/04/2023	12:05	FS	
CAP3Q23-PIW-5SR-080423-Z	320-103526-9	Groundwater	Y	08/04/2023	12:05	FS	
CAP3Q23-SMW-06B-081623	320-104043-1	Groundwater	N	08/16/2023	14:35	FS	
CAP3Q23-SMW-08B-081623	320-104043-2	Groundwater	N	08/16/2023	12:00	FS	
CAP3Q23-SMW-08B-081623-D	320-104043-3	Groundwater	N	08/16/2023	12:00	DUP	
CAP3Q23-EQBLK-PP-080423	320-104043-4	Blank Water	N	08/04/2023	14:35	EB	
CAP3Q23-EQBLK-PP-081823	320-104043-5	Blank Water	N	08/18/2023	16:10	EB	
CAP3Q23-EQBLK-DV-081623	320-104043-6	Blank Water	N	08/16/2023	15:30	EB	
CAP3Q23-BLADEN-3D-082323	320-104207-1	Groundwater	N	08/23/2023	11:10	FS	
CAP3Q23-BLADEN-4D-082323	320-104207-2	Groundwater	N	08/23/2023	16:15	FS	
CAP3Q23-PZ-19R-081523	320-104207-3	Groundwater	N	08/15/2023	12:55	FS	
CAP3Q23-CUMBERLAND-3D-082223	320-104207-4	Groundwater	N	08/22/2023	13:25	FS	
CAP3Q23-PZ-20R-081523	320-104207-5	Groundwater	N	08/15/2023	14:50	FS	
CAP3Q23-CUMBERLAND-3S-082223	320-104207-6	Groundwater	N	08/22/2023	14:30	FS	
CAP3Q23-NAF-04R-081723	320-104207-7	Groundwater	N	08/17/2023	11:40	FS	
CAP3Q23-NAF-12-081723	320-104225-1	Groundwater	N	08/17/2023	15:00	FS	
CAP3Q23-CUMBERLAND-5S-082423	320-104225-10	Groundwater	N	08/24/2023	11:30	FS	
CAP3Q23-NAF-08A-081723	320-104225-2	Groundwater	N	08/17/2023	13:45	FS	
CAP3Q23-CUMBERLAND-5DR-082423	320-104225-3	Groundwater	N	08/24/2023	10:25	FS	
CAP3Q23-CUMBERLAND-4D-082223	320-104225-4	Groundwater	N	08/22/2023	13:50	FS	
CAP3Q23-BLADEN-3S-082223	320-104225-5	Groundwater	N	08/22/2023	14:45	FS	
CAP3Q23-CUMBERLAND-4S-082223	320-104225-6	Groundwater	N	08/22/2023	15:05	FS	
CAP3Q23-BLADEN-4S-082323	320-104225-7	Groundwater	N	08/23/2023	14:05	FS	
CAP3Q23-BLADEN-4S-082323-Z	320-104225-8	Groundwater	Y	08/23/2023	14:05	FS	
CAP3Q23-PZ-21R-081523	320-104225-9	Groundwater	N	08/15/2023	13:35	FS	
CAP3Q23-PW-09-081023	320-104266-1	Groundwater	N	08/10/2023	13:10	FS	
CAP3Q23-PW-09-081023-Z	320-104266-2	Groundwater	Y	08/10/2023	13:10	FS	
CAP3Q23-OW-37-081023	320-104266-3	Groundwater	N	08/10/2023	16:10	FS	
CAP3Q23-PZ-35-082123	320-104266-4	Groundwater	N	08/21/2023	11:35	FS	
CAP3Q23-PZ-35-082123-D	320-104266-5	Groundwater	N	08/21/2023	11:35	DUP	
CAP3Q23-OW-32-090823	320-104780-1	Groundwater	N	09/08/2023	11:20	FS	
CAP3Q23-OW-32-090823-D	320-104780-2	Groundwater	N	09/08/2023	11:20	DUP	
CAP3Q23-OW-32-090823-Z	320-104780-3	Groundwater	Y	09/08/2023	11:20	FS	

FS=Field Sample

DUP=Field Duplicate

FB=Field Blank

EB=Equipment Blank

TB=Trip Blank

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 3Q23
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP GW Sampling 3Q23

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		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 data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	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
- Temperature upon laboratory receipt not to exceed 10 C (manual check)

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 3Q23

Validation Options:

LABSTATS

Validation Reason Code:

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

Field Sample ID	Sampled Lab Sample ID	Analyte	Date		Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
			Result	Units							
CAP3Q23-OW-30-071323-Z	07/13/2023 320-102712-11	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-OW-30-071323-Z	07/13/2023 320-102712-11	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-OW-30-071323-Z	07/13/2023 320-102712-11	Perfluoroctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-03-071923	07/19/2023 320-102796-7	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.078	ug/L	PQL		0.078	UJ	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.024	ug/L	PQL		0.024	UJ	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	N-ethylperfluoro-1-octanesulfonamide	0.087	UG/L	PQL		0.087	UJ	537 Modified		3535

Validation Reason Code: The preparation 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
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoro(2-ethoxyethane)sulfonic acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PMPA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Hfpo Dimer Acid	0.0040	UG/L	PQL	0.0040	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoroctadecanoic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFOS	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	N-Methyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	R-PSDCA	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL	0.0040	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PEPA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFOA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorononanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFO2HxA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PPF Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFMOAA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluoronananesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	9Cl-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	11Cl-PF3OUDS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	NVHOS, Acid Form	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-EQBLK-PP-080423	08/04/2023	320-104043-4	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-BCA-04-072023	07/20/2023	320-102901-5	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-FTA-02-071923	07/19/2023	320-102791-2	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-FTA-02-071923-D	07/19/2023	320-102791-3	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-FTA-03-071923	07/19/2023	320-102791-4	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-NAF-01-072123	07/21/2023	320-102898-1	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoro(2-ethoxyethane)sulfonic	0.029	UG/L	PQL	0.029	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	10:2 Fluorotelomer sulfonate	0.067	ug/L	PQL	0.067	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFECA B	0.062	UG/L	PQL	0.062	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorooctadecanoic Acid	0.094	ug/L	PQL	0.094	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.085	ug/L	PQL	0.085	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFOS	0.054	UG/L	PQL	0.054	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoroundecanoic Acid	0.11	UG/L	PQL	0.11	UJ	537 Modified		3535	
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.12	UG/L	PQL	0.12	UJ	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

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
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoropentane Sulfonic Acid (PFPeS)	0.030	ug/L	PQL		0.030	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	6:2 Fluorotelomer sulfonate	0.25	ug/L	PQL		0.25	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PS Acid	0.040	UG/L	PQL		0.040	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.13	UG/L	PQL		0.13	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorohexanoic Acid	0.058	UG/L	PQL		0.058	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorododecanoic Acid	0.055	UG/L	PQL		0.055	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	N-methyl perfluoro-1-octanesulfonamide	0.043	ug/L	PQL		0.043	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFOA	0.085	UG/L	PQL		0.085	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorodecanoic Acid	0.031	UG/L	PQL		0.031	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorodecane Sulfonic Acid	0.032	UG/L	PQL		0.032	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorohexane Sulfonic Acid	0.057	UG/L	PQL		0.057	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorobutanoic Acid	0.24	UG/L	PQL		0.24	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL		0.020	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoroheptanoic Acid	0.025	UG/L	PQL		0.025	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoroheptane Sulfonic Acid (PFHpS)	0.019	ug/L	PQL		0.019	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorononanoic Acid	0.027	UG/L	PQL		0.027	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorotetradecanoic Acid	0.073	UG/L	PQL		0.073	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.046	ug/L	PQL		0.046	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	R-PSDCA	0.14	UG/L	PQL		0.14	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.14	ug/L	PQL		0.14	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorohexadecanoic Acid (PFHxDA)	0.089	ug/L	PQL		0.089	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorononanesulfonic Acid	0.037	ug/L	PQL		0.037	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	EVE Acid	0.040	UG/L	PQL		0.040	UJ	537 Modified		3535

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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
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorotridecanoic Acid	0.13	UG/L	PQL		0.13	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoroctane Sulfonamide	0.098	UG/L	PQL		0.098	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	9CI-PF3ONS	0.024	ug/L	PQL		0.024	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.024	ug/L	PQL		0.024	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	11CI-PF3OUDS	0.032	ug/L	PQL		0.032	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	N-ethylperfluoro-1-octanesulfonamide	0.087	UG/L	PQL		0.087	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluorododecane Sulfonic Acid (PFDoS)	0.097	ug/L	PQL		0.097	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFECA-G	0.029	UG/L	PQL		0.029	UJ	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	DONA	0.040	ug/L	PQL		0.040	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PMPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Hfpo Dimer Acid	0.0040	UG/L	PQL		0.0040	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFOS	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	N-Methyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535

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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
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PEPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

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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
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PPF Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFMOAA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluoroctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	9CI-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	11CI-PF3OUdS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	NVHOS, Acid Form	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023	08/10/2023	320-104266-1	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-	08/10/2023	320-104266-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-	08/10/2023	320-104266-2	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-	08/10/2023	320-104266-2	PMPA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-	08/10/2023	320-104266-2	Hfpo Dimer Acid	0.0040	UG/L	PQL	0.0040	UJ	537 Modified		3535	

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Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: The preparation 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
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoroctadecanoic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFOS	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	R-PSDA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Hydrolyzed PSDA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	R-PSDCA	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	R-EVE	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL	0.0040	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PEPA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoropentanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorohexanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFOA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorononanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFO2HxA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFO3OA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PPF Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFMOAA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluoroctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	9Cl-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	

Site: Fayetteville

Sampling Program:

CAP MW Sampling 3Q23

Validation Options:

LABSTATS

Validation Reason Code:

The preparation 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
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	11Cl-PF3OUdS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	NVHOS, Acid Form	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PW-09-081023-Z	08/10/2023	320-104266-2	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-PZ-14-072123	07/21/2023	320-102898-2	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-SMW-03B-071923	07/19/2023	320-102791-5	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-SMW-05PR-072123	07/21/2023	320-102898-3	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	
CAP3Q23-SMW-09-071923	07/19/2023	320-102791-6	Perfluorobutane Sulfonic Acid	0.020	UG/L	PQL	0.020	UJ	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: Surrogates had relative percent recovery (RPR) values greater 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
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	Hfpo Dimer Acid	9.6	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	Hfpo Dimer Acid	12	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	Hfpo Dimer Acid	8.1	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-LTW-02-071223	07/12/2023	320-102527-8	Hfpo Dimer Acid	6.8	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-LTW-04-071123	07/11/2023	320-102527-1	Hfpo Dimer Acid	9.8	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q-PZ-22-071123	07/11/2023	320-102527-2	Hfpo Dimer Acid	7.3	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	Hfpo Dimer Acid	9.1	UG/L	PQL		0.15	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: 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
CAP3Q23-OW-32-090823-D-Z	09/08/2023	320-104780-4	Hfpo Dimer Acid	0.36	UG/L	PQL		0.15	J	537 Modified		3535
CAP3Q23-OW-32-090823-Z	09/08/2023	320-104780-3	Hfpo Dimer Acid	0.56	UG/L	PQL		0.15	J	537 Modified		3535
CAP3Q23-MW-20D-071123	07/11/2023	320-102509-7	Hfpo Dimer Acid	2.1	UG/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-MW-20D-071123-D	07/11/2023	320-102509-8	Hfpo Dimer Acid	2.9	UG/L	PQL		0.14	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: 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
CAP3Q23-MW-15DRR-071123	07/11/2023	320-102509-1	PS Acid	30	UG/L	PQL		0.036	J	537 Modified		3535
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	PS Acid	0.67	UG/L	PQL		0.039	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between MS and MSD 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
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	NVHOS, Acid Form	0.15	UG/L	PQL		0.13	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-SMW-11-071723	07/17/2023	320-102716-11	R-PSDA	0.12	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-SMW-11-071723	07/17/2023	320-102716-11	Hydrolyzed PSDA	0.12	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SMW-11-071723	07/17/2023	320-102716-11	R-EVE	0.093	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-SMW-12-071823	07/18/2023	320-102688-5	R-PSDA	0.087	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-SMW-12-071823	07/18/2023	320-102688-5	R-EVE	0.069	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-06B-081623	08/16/2023	320-104043-1	R-PSDA	11	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-06B-081623	08/16/2023	320-104043-1	Hydrolyzed PSDA	220	UG/L	PQL	0.27	J	537 Modified		3535	
CAP3Q23-SMW-06B-081623	08/16/2023	320-104043-1	R-EVE	1.4	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-SMW-07-071823	07/18/2023	320-102688-4	R-PSDA	0.043	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-SMW-07-071823	07/18/2023	320-102688-4	R-EVE	0.033	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623	08/16/2023	320-104043-2	R-PSDA	0.63	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623	08/16/2023	320-104043-2	Hydrolyzed PSDA	2.8	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623	08/16/2023	320-104043-2	R-EVE	0.23	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623-D	08/16/2023	320-104043-3	R-PSDA	0.60	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623-D	08/16/2023	320-104043-3	Hydrolyzed PSDA	2.6	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-SMW-08B-081623-D	08/16/2023	320-104043-3	R-EVE	0.22	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-SMW-09-071923	07/19/2023	320-102791-6	R-PSDA	1.0	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-09-071923	07/19/2023	320-102791-6	Hydrolyzed PSDA	11	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-SMW-09-071923	07/19/2023	320-102791-6	R-EVE	0.54	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-SMW-04B-072023	07/20/2023	320-102901-8	R-PSDA	0.070	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-04B-072023	07/20/2023	320-102901-8	R-EVE	0.055	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-SMW-05PR-072123	07/21/2023	320-102898-3	R-PSDA	0.29	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-SMW-05PR-072123	07/21/2023	320-102898-3	Hydrolyzed PSDA	0.94	UG/L	PQL	0.027	J	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP GW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-SMW-05PR-072123	07/21/2023	320-102898-3	R-EVE	0.16	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PW-03-071923	07/19/2023	320-102796-7	R-PSDA	13	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PW-03-071923	07/19/2023	320-102796-7	Hydrolyzed PSDA	60	UG/L	PQL		0.068	J	537 Modified		3535
CAP3Q23-PW-03-071923	07/19/2023	320-102796-7	R-EVE	10	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PW-04-072823	07/28/2023	320-103202-5	R-PSDA	0.078	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PW-04-072823	07/28/2023	320-103202-5	R-EVE	0.049	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PW-04-072823-Z	07/28/2023	320-103202-6	R-PSDA	0.060	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PW-04-072823-Z	07/28/2023	320-103202-6	R-EVE	0.031	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PW-05-072023	07/20/2023	320-102901-4	R-PSDA	0.034	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PW-06-071023	07/10/2023	320-102399-11	R-PSDA	0.20	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PW-06-071023	07/10/2023	320-102399-11	R-EVE	0.059	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-15-071823	07/18/2023	320-102718-8	R-PSDA	0.41	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-PZ-15-071823	07/18/2023	320-102718-8	Hydrolyzed PSDA	0.053	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-PZ-15-071823	07/18/2023	320-102718-8	R-EVE	0.24	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-19R-081523	08/15/2023	320-104207-3	R-PSDA	1.5	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-19R-081523	08/15/2023	320-104207-3	Hydrolyzed PSDA	1.0	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-19R-081523	08/15/2023	320-104207-3	R-EVE	1.8	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PZ-20R-081523	08/15/2023	320-104207-5	R-PSDA	0.79	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-20R-081523	08/15/2023	320-104207-5	Hydrolyzed PSDA	0.47	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-20R-081523	08/15/2023	320-104207-5	R-EVE	0.59	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PZ-21R-081523	08/15/2023	320-104225-9	R-PSDA	1.5	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-21R-081523	08/15/2023	320-104225-9	Hydrolyzed PSDA	0.10	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-21R-081523	08/15/2023	320-104225-9	R-EVE	0.61	UG/L	PQL		0.031	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-PZ-24-071723	07/17/2023	320-102718-4	R-PSDA	0.18	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-24-071723	07/17/2023	320-102718-4	Hydrolyzed PSDA	0.029	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-24-071723	07/17/2023	320-102718-4	R-EVE	0.16	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PZ-26-071723	07/17/2023	320-102718-1	R-PSDA	0.098	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-26-071723	07/17/2023	320-102718-1	R-EVE	0.0085	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-27-071323	07/13/2023	320-102712-6	R-PSDA	0.37	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-27-071323	07/13/2023	320-102712-6	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-27-071323	07/13/2023	320-102712-6	R-EVE	0.075	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-28-071723	07/17/2023	320-102718-3	R-PSDA	0.13	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-28-071723	07/17/2023	320-102718-3	Hydrolyzed PSDA	0.12	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-28-071723	07/17/2023	320-102718-3	R-EVE	0.039	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-35-082123	08/21/2023	320-104266-4	R-PSDA	1.4	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-35-082123	08/21/2023	320-104266-4	Hydrolyzed PSDA	0.31	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-35-082123	08/21/2023	320-104266-4	R-EVE	0.67	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PZ-35-082123-D	08/21/2023	320-104266-5	R-PSDA	1.4	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-35-082123-D	08/21/2023	320-104266-5	Hydrolyzed PSDA	0.28	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-35-082123-D	08/21/2023	320-104266-5	R-EVE	0.66	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-SMW-01-071023	07/10/2023	320-102399-8	R-PSDA	0.22	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-SMW-01-071023	07/10/2023	320-102399-8	Hydrolyzed PSDA	0.0072	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-SMW-01-071023	07/10/2023	320-102399-8	R-EVE	0.063	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-SMW-03B-071923	07/19/2023	320-102791-5	R-PSDA	3.2	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-SMW-03B-071923	07/19/2023	320-102791-5	Hydrolyzed PSDA	46	UG/L	PQL		0.27	J	537 Modified		3535
CAP3Q23-SMW-03B-071923	07/19/2023	320-102791-5	R-EVE	0.46	UG/L	PQL		0.031	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP GW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-PIW-2D-072023	07/20/2023	320-102901-7	R-PSDA	0.066	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-2D-072023	07/20/2023	320-102901-7	Hydrolyzed PSDA	0.040	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-2D-072023	07/20/2023	320-102901-7	R-EVE	0.045	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-3D-071323	07/13/2023	320-102712-1	R-PSDA	0.61	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PIW-3D-071323	07/13/2023	320-102712-1	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-3D-071323	07/13/2023	320-102712-1	R-EVE	0.28	UG/L	PQL		0.029	J	537 Modified		3535
CAP3Q23-PIW-4D-071323	07/13/2023	320-102712-3	R-PSDA	0.0089	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-4D-071323	07/13/2023	320-102712-3	Hydrolyzed PSDA	0.025	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-4D-071323	07/13/2023	320-102712-3	R-EVE	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423	08/04/2023	320-103526-8	R-PSDA	1.6	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423	08/04/2023	320-103526-8	Hydrolyzed PSDA	1.7	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423	08/04/2023	320-103526-8	R-EVE	1.3	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423-Z	08/04/2023	320-103526-9	R-PSDA	1.4	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423-Z	08/04/2023	320-103526-9	Hydrolyzed PSDA	1.2	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-5SR-080423-Z	08/04/2023	320-103526-9	R-EVE	1.1	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	R-PSDA	0.82	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	Hydrolyzed PSDA	4.1	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	R-EVE	0.23	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	R-PSDA	0.46	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	Hydrolyzed PSDA	0.89	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	R-EVE	0.56	UG/L	PQL		0.029	J	537 Modified		3535
CAP3Q23-PIW-7S-071123	07/11/2023	320-102509-2	R-PSDA	0.71	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-7S-071123	07/11/2023	320-102509-2	Hydrolyzed PSDA	0.11	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-PIW-7S-071123	07/11/2023	320-102509-2	R-EVE	0.82	UG/L	PQL	0.030	J	537 Modified		3535	
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	R-PSDA	1.0	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	Hydrolyzed PSDA	2.6	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	R-EVE	1.3	UG/L	PQL	0.030	J	537 Modified		3535	
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	R-PSDA	1.7	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	Hydrolyzed PSDA	18	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	R-EVE	0.63	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-PW-02-071923	07/19/2023	320-102796-5	R-PSDA	0.20	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-PW-02-071923	07/19/2023	320-102796-5	Hydrolyzed PSDA	0.93	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-PW-02-071923	07/19/2023	320-102796-5	R-EVE	0.12	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-PW-02-071923-	07/19/2023	320-102796-6	R-PSDA	0.25	UG/L	PQL	0.027	J	537 Modified		3535	
Z			Hydrolyzed PSDA	1.1	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-PW-02-071923-	07/19/2023	320-102796-6	R-EVE	0.14	UG/L	PQL	0.030	J	537 Modified		3535	
Z			R-PSDA	0.18	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-PW-10RR-	08/03/2023	320-103526-5	R-PSDA	0.22	UG/L	PQL	0.027	J	537 Modified		3535	
080323			Hydrolyzed PSDA	0.24	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-PW-10RR-	08/03/2023	320-103526-5	R-EVE	0.85	UG/L	PQL	0.026	J	537 Modified		3535	
080323			R-PSDA	7.9	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-PW-11-070723	07/07/2023	320-102399-3	Hydrolyzed PSDA	0.36	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-PW-11-070723	07/07/2023	320-102399-3	R-EVE	1.1	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-PW-14-070723	07/07/2023	320-102399-4	R-PSDA	1.4	UG/L	PQL	0.024	J	537 Modified		3535	
CAP3Q23-PW-14-070723	07/07/2023	320-102399-4	Hydrolyzed PSDA	0.85	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-PW-14-070723-	07/07/2023	320-102399-5	R-EVE	1.1	UG/L	PQL	0.025	J	537 Modified		3535	
D			R-PSDA									

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-PW-14-070723-D	07/07/2023	320-102399-5	Hydrolyzed PSDA	1.5	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-PW-14-070723-D	07/07/2023	320-102399-5	R-EVE	0.87	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	R-PSDA	4.7	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	R-EVE	0.66	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-11-071723	07/17/2023	320-102716-8	R-PSDA	0.38	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-11-071723	07/17/2023	320-102716-8	Hydrolyzed PSDA	2.3	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PZ-11-071723	07/17/2023	320-102716-8	R-EVE	0.11	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PZ-13-072023	07/20/2023	320-102901-3	R-PSDA	3.6	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-13-072023	07/20/2023	320-102901-3	Hydrolyzed PSDA	0.38	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PZ-13-072023	07/20/2023	320-102901-3	R-EVE	2.0	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PZ-14-072123	07/21/2023	320-102898-2	R-PSDA	1.3	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PZ-14-072123	07/21/2023	320-102898-2	R-EVE	1.0	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-40-071323	07/13/2023	320-102712-9	R-PSDA	0.20	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-40-071323	07/13/2023	320-102712-9	Hydrolyzed PSDA	0.13	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OW-40-071323	07/13/2023	320-102712-9	R-EVE	0.24	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OW-4R-080423	08/04/2023	320-103526-7	R-PSDA	0.76	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-4R-080423	08/04/2023	320-103526-7	Hydrolyzed PSDA	3.1	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-4R-080423	08/04/2023	320-103526-7	R-EVE	0.63	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-51-080323	08/03/2023	320-103526-6	R-PSDA	1.9	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-51-080323	08/03/2023	320-103526-6	Hydrolyzed PSDA	4.3	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-51-080323	08/03/2023	320-103526-6	R-EVE	2.6	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-55-072523	07/25/2023	320-102898-7	R-PSDA	0.14	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-55-072523	07/25/2023	320-102898-7	R-EVE	0.18	UG/L	PQL		0.031	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-OW-56-073123	07/31/2023	320-103202-9	R-PSDA	0.15	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-56-073123	07/31/2023	320-103202-9	R-EVE	0.12	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-57-073123	07/31/2023	320-103202-10	R-PSDA	1.2	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-57-073123	07/31/2023	320-103202-10	R-EVE	0.18	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-10DR-071423	07/14/2023	320-102716-5	R-PSDA	0.69	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-10DR-071423	07/14/2023	320-102716-5	Hydrolyzed PSDA	2.7	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-10DR-071423	07/14/2023	320-102716-5	R-EVE	0.25	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-10S-071323	07/13/2023	320-102712-5	R-PSDA	0.16	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-PIW-10S-071323	07/13/2023	320-102712-5	R-EVE	0.23	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-11-073123	07/31/2023	320-103202-8	R-PSDA	0.24	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-11-073123	07/31/2023	320-103202-8	Hydrolyzed PSDA	1.5	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-11-073123	07/31/2023	320-103202-8	R-EVE	0.13	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-12-072423	07/24/2023	320-102898-5	R-PSDA	0.13	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-12-072423	07/24/2023	320-102898-5	R-EVE	0.13	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-13-072423	07/24/2023	320-102898-6	R-PSDA	0.26	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-13-072423	07/24/2023	320-102898-6	R-EVE	0.26	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-14-072423	07/24/2023	320-102898-4	R-PSDA	0.31	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-14-072423	07/24/2023	320-102898-4	R-EVE	0.23	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-15-072523	07/25/2023	320-102898-8	R-PSDA	0.25	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-15-072523	07/25/2023	320-102898-8	R-EVE	0.20	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-PIW-16D-071423	07/14/2023	320-102716-3	R-PSDA	0.0060	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-16S-071023	07/10/2023	320-102399-7	R-PSDA	0.18	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-16S-071023	07/10/2023	320-102399-7	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-PIW-16S-071023	07/10/2023	320-102399-7	R-EVE	0.072	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	R-PSDA	0.37	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	R-EVE	0.28	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-30-071323-Z	07/13/2023	320-102712-11	R-PSDA	0.33	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OW-30-071323-Z	07/13/2023	320-102712-11	Hydrolyzed PSDA	0.63	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-OW-30-071323-Z	07/13/2023	320-102712-11	R-EVE	0.24	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OW-32-090823	09/08/2023	320-104780-1	R-PSDA	0.044	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-32-090823	09/08/2023	320-104780-1	Hydrolyzed PSDA	0.10	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-32-090823	09/08/2023	320-104780-1	R-EVE	0.036	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-32-090823-D	09/08/2023	320-104780-2	Hydrolyzed PSDA	0.11	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-32-090823-D	09/08/2023	320-104780-2	R-EVE	0.034	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-32-090823-D-Z	09/08/2023	320-104780-4	Hydrolyzed PSDA	0.11	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-32-090823-D-Z	09/08/2023	320-104780-4	R-EVE	0.034	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-32-090823-Z	09/08/2023	320-104780-3	Hydrolyzed PSDA	0.10	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-32-090823-Z	09/08/2023	320-104780-3	R-EVE	0.034	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-33-071223	07/12/2023	320-102527-3	R-PSDA	0.29	UG/L	PQL		0.014	J	537 Modified		3535
CAP3Q23-OW-33-071223	07/12/2023	320-102527-3	Hydrolyzed PSDA	0.058	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OW-33-071223	07/12/2023	320-102527-3	R-EVE	0.22	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-NAF-02-072023	07/20/2023	320-102901-9	R-PSDA	11	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-NAF-02-072023	07/20/2023	320-102901-9	Hydrolyzed PSDA	170	UG/L	PQL		1.4	J	537 Modified		3535
CAP3Q23-NAF-02-072023	07/20/2023	320-102901-9	R-EVE	3.8	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	R-PSDA	5.4	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	Hydrolyzed PSDA	40	UG/L	PQL		0.027	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP GW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	R-EVE	1.2	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-04R-081723	08/17/2023	320-104207-7	R-PSDA	140	UG/L	PQL		0.56	J	537 Modified		3535
CAP3Q23-NAF-04R-081723	08/17/2023	320-104207-7	Hydrolyzed PSDA	470	UG/L	PQL		0.54	J	537 Modified		3535
CAP3Q23-NAF-04R-081723	08/17/2023	320-104207-7	R-EVE	25	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-06-071923	07/19/2023	320-102796-1	R-PSDA	6.4	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-NAF-06-071923	07/19/2023	320-102796-1	Hydrolyzed PSDA	80	UG/L	PQL		0.068	J	537 Modified		3535
CAP3Q23-NAF-06-071923	07/19/2023	320-102796-1	R-EVE	2.8	UG/L	PQL		0.029	J	537 Modified		3535
CAP3Q23-NAF-06-071923-Z	07/19/2023	320-102796-2	R-PSDA	6.5	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-NAF-06-071923-Z	07/19/2023	320-102796-2	Hydrolyzed PSDA	80	UG/L	PQL		0.068	J	537 Modified		3535
CAP3Q23-NAF-06-071923-Z	07/19/2023	320-102796-2	R-EVE	2.8	UG/L	PQL		0.030	J	537 Modified		3535
CAP3Q23-NAF-07-071923	07/19/2023	320-102796-3	R-PSDA	1.4	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-NAF-07-071923	07/19/2023	320-102796-3	Hydrolyzed PSDA	0.76	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-NAF-07-071923	07/19/2023	320-102796-3	R-EVE	0.39	UG/L	PQL		0.030	J	537 Modified		3535
CAP3Q23-NAF-08A-081723	08/17/2023	320-104225-2	R-PSDA	2.0	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-NAF-08A-081723	08/17/2023	320-104225-2	Hydrolyzed PSDA	6.9	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-NAF-08A-081723	08/17/2023	320-104225-2	R-EVE	1.2	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-09-072023	07/20/2023	320-102901-1	R-PSDA	45	UG/L	PQL		0.28	J	537 Modified		3535
CAP3Q23-NAF-09-072023	07/20/2023	320-102901-1	Hydrolyzed PSDA	300	UG/L	PQL		0.27	J	537 Modified		3535
CAP3Q23-NAF-09-072023	07/20/2023	320-102901-1	R-EVE	22	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-10-072023	07/20/2023	320-102901-2	R-PSDA	3.0	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-NAF-10-072023	07/20/2023	320-102901-2	Hydrolyzed PSDA	0.094	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-NAF-10-072023	07/20/2023	320-102901-2	R-EVE	1.3	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-NAF-11A-071923	07/19/2023	320-102796-4	R-PSDA	2.2	UG/L	PQL		0.027	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-NAF-11A-071923	07/19/2023	320-102796-4	Hydrolyzed PSDA	0.026	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-NAF-11A-071923	07/19/2023	320-102796-4	R-EVE	0.90	UG/L	PQL	0.030	J	537 Modified		3535	
CAP3Q23-NAF-12-081723	08/17/2023	320-104225-1	R-PSDA	23	UG/L	PQL	0.028	J	537 Modified		3535	
CAP3Q23-NAF-12-081723	08/17/2023	320-104225-1	Hydrolyzed PSDA	170	UG/L	PQL	0.54	J	537 Modified		3535	
CAP3Q23-NAF-12-081723	08/17/2023	320-104225-1	R-EVE	12	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-OW-28-071123	07/11/2023	320-102509-5	R-PSDA	0.25	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-OW-28-071123	07/11/2023	320-102509-5	Hydrolyzed PSDA	0.0022	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-OW-28-071123	07/11/2023	320-102509-5	R-EVE	0.38	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-OW-30-071323	07/13/2023	320-102712-10	R-PSDA	0.33	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-OW-30-071323	07/13/2023	320-102712-10	Hydrolyzed PSDA	0.57	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-OW-30-071323	07/13/2023	320-102712-10	R-EVE	0.29	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-INSITU-01-071323	07/13/2023	320-102712-8	R-PSDA	0.055	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-INSITU-01-071323	07/13/2023	320-102712-8	R-EVE	0.027	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-LTW-01-071323	07/13/2023	320-102712-2	R-PSDA	0.94	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-LTW-01-071323	07/13/2023	320-102712-2	Hydrolyzed PSDA	0.76	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-LTW-01-071323	07/13/2023	320-102712-2	R-EVE	0.56	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-LTW-02-071223	07/12/2023	320-102527-8	R-PSDA	0.62	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-LTW-02-071223	07/12/2023	320-102527-8	Hydrolyzed PSDA	1.3	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-LTW-02-071223	07/12/2023	320-102527-8	R-EVE	0.26	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-LTW-03-071223	07/12/2023	320-102527-5	R-PSDA	0.90	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-LTW-03-071223	07/12/2023	320-102527-5	Hydrolyzed PSDA	5.9	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-LTW-03-071223	07/12/2023	320-102527-5	R-EVE	0.15	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-LTW-04-071123	07/11/2023	320-102527-1	R-PSDA	1.7	UG/L	PQL	0.025	J	537 Modified		3535	

Validation Reason Code:

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
CAP3Q23-LTW-04-071123	07/11/2023	320-102527-1	Hydrolyzed PSDA	3.0	UG/L	PQL		0.024	J	537 Modified		3535
CAP3Q23-LTW-04-071123	07/11/2023	320-102527-1	R-EVE	1.3	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	R-PSDA	0.50	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	Hydrolyzed PSDA	0.95	UG/L	PQL		0.024	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	R-EVE	0.61	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-MW-12S-071823	07/18/2023	320-102688-2	R-PSDA	0.36	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-12S-071823	07/18/2023	320-102688-2	Hydrolyzed PSDA	0.13	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-12S-071823	07/18/2023	320-102688-2	R-EVE	0.32	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	R-PSDA	1.5	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	Hydrolyzed PSDA	1.7	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	R-EVE	1.6	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-MW-14D-071323	07/13/2023	320-102716-2	R-PSDA	1.3	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-14D-071323	07/13/2023	320-102716-2	Hydrolyzed PSDA	5.0	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-14D-071323	07/13/2023	320-102716-2	R-EVE	0.22	UG/L	PQL		0.029	J	537 Modified		3535
CAP3Q23-MW-15DRR-071123	07/11/2023	320-102509-1	R-PSDA	2.5	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-15DRR-071123	07/11/2023	320-102509-1	Hydrolyzed PSDA	31	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-15DRR-071123	07/11/2023	320-102509-1	R-EVE	0.23	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-16D-071223	07/12/2023	320-102527-7	R-PSDA	0.058	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-16D-071223	07/12/2023	320-102527-7	Hydrolyzed PSDA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-16D-071223	07/12/2023	320-102527-7	R-EVE	0.020	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-18D-071723	07/17/2023	320-102716-6	R-PSDA	0.010	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-18D-071723	07/17/2023	320-102716-6	R-EVE	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-19D-071023	07/10/2023	320-102399-10	R-PSDA	0.066	UG/L	PQL		0.0020	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-MW-19D-071023	07/10/2023	320-102399-10	Hydrolyzed PSDA	0.0025	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-19D-071023	07/10/2023	320-102399-10	R-EVE	0.042	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-1S-071823	07/18/2023	320-102688-3	R-PSDA	0.28	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-MW-1S-071823	07/18/2023	320-102688-3	Hydrolyzed PSDA	0.26	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-MW-1S-071823	07/18/2023	320-102688-3	R-EVE	0.16	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-MW-20D-071123	07/11/2023	320-102509-7	R-PSDA	0.070	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-20D-071123	07/11/2023	320-102509-7	Hydrolyzed PSDA	0.089	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-20D-071123	07/11/2023	320-102509-7	R-EVE	0.073	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-20D-071123-D	07/11/2023	320-102509-8	R-PSDA	0.064	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-20D-071123-D	07/11/2023	320-102509-8	Hydrolyzed PSDA	0.085	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-20D-071123-D	07/11/2023	320-102509-8	R-EVE	0.065	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-21D-071423	07/14/2023	320-102716-4	R-PSDA	0.028	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-21D-071423	07/14/2023	320-102716-4	R-EVE	0.012	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-22D-071223	07/12/2023	320-102527-4	R-PSDA	0.054	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-22D-071223	07/12/2023	320-102527-4	Hydrolyzed PSDA	0.0023	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-22D-071223	07/12/2023	320-102527-4	R-EVE	0.025	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-23-071723	07/17/2023	320-102718-2	R-PSDA	0.34	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-MW-23-071723	07/17/2023	320-102718-2	Hydrolyzed PSDA	0.0071	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-MW-23-071723	07/17/2023	320-102718-2	R-EVE	0.34	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-MW-24-071823	07/18/2023	320-102688-1	R-PSDA	2.1	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q23-MW-24-071823	07/18/2023	320-102688-1	Hydrolyzed PSDA	6.9	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-MW-24-071823	07/18/2023	320-102688-1	R-EVE	0.41	UG/L	PQL	0.029	J	537 Modified		3535	
CAP3Q23-MW-25-071823	07/18/2023	320-102718-7	R-PSDA	0.97	UG/L	PQL	0.027	J	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-MW-25-071823	07/18/2023	320-102718-7	Hydrolyzed PSDA	0.12	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-25-071823	07/18/2023	320-102718-7	R-EVE	0.84	UG/L	PQL		0.030	J	537 Modified		3535
CAP3Q23-MW-27-071323	07/13/2023	320-102712-7	R-PSDA	0.89	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-27-071323	07/13/2023	320-102712-7	Hydrolyzed PSDA	3.8	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-27-071323	07/13/2023	320-102712-7	R-EVE	0.16	UG/L	PQL		0.029	J	537 Modified		3535
CAP3Q23-MW-28-071323	07/13/2023	320-102712-4	R-PSDA	0.095	UG/L	PQL		0.0026	J	537 Modified		3535
CAP3Q23-MW-28-071323	07/13/2023	320-102712-4	R-EVE	0.070	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-30-071823	07/18/2023	320-102718-5	R-PSDA	0.55	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-MW-30-071823	07/18/2023	320-102718-5	R-EVE	0.25	UG/L	PQL		0.030	J	537 Modified		3535
CAP3Q23-MW-7S-071823	07/18/2023	320-102718-6	R-PSDA	0.71	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-MW-7S-071823	07/18/2023	320-102718-6	Hydrolyzed PSDA	2.9	UG/L	PQL		0.025	J	537 Modified		3535
CAP3Q23-MW-7S-071823	07/18/2023	320-102718-6	R-EVE	0.38	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-MW-9S-071823	07/18/2023	320-102718-9	R-PSDA	0.33	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-9S-071823	07/18/2023	320-102718-9	Hydrolyzed PSDA	0.0087	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-9S-071823	07/18/2023	320-102718-9	R-EVE	0.13	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-NAF-01-072123	07/21/2023	320-102898-1	R-PSDA	2.0	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-NAF-01-072123	07/21/2023	320-102898-1	Hydrolyzed PSDA	0.98	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-NAF-01-072123	07/21/2023	320-102898-1	R-EVE	2.0	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-FTA-03-071923	07/19/2023	320-102791-4	R-PSDA	2.2	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-FTA-03-071923	07/19/2023	320-102791-4	Hydrolyzed PSDA	1.5	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-FTA-03-071923	07/19/2023	320-102791-4	R-EVE	3.9	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-FTA-02-071923- D	07/19/2023	320-102791-3	R-PSDA	2.8	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-FTA-02-071923- D	07/19/2023	320-102791-3	Hydrolyzed PSDA	1.9	UG/L	PQL		0.027	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-FTA-02-071923-D	07/19/2023	320-102791-3	R-EVE	1.2	UG/L	PQL	0.031	J	537 Modified		3535	
CAP3Q23-BLADEN-1DR-071223	07/12/2023	320-102527-9	R-PSDA	0.018	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BLADEN-1DR-071223	07/12/2023	320-102527-9	R-EVE	0.0072	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BLADEN-2S-080123	08/01/2023	320-103526-2	R-PSDA	0.0075	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BLADEN-2S-080123	08/01/2023	320-103526-2	R-EVE	0.0027	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BLADEN-3S-082223	08/22/2023	320-104225-5	R-PSDA	0.011	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BLADEN-3S-082223	08/22/2023	320-104225-5	R-EVE	0.0063	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CUMBERLAND-3S-082223	08/22/2023	320-104207-6	R-PSDA	0.0024	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CUMBERLAND-3S-082223	08/22/2023	320-104207-6	R-EVE	0.0022	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CUMBERLAND-4S-082223	08/22/2023	320-104225-6	R-PSDA	0.020	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CUMBERLAND-4S-082223	08/22/2023	320-104225-6	R-EVE	0.0042	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q-PZ-22-071123	07/11/2023	320-102527-2	R-PSDA	0.54	UG/L	PQL	0.026	J	537 Modified		3535	
CAP3Q-PZ-22-071123	07/11/2023	320-102527-2	Hydrolyzed PSDA	1.1	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q-PZ-22-071123	07/11/2023	320-102527-2	R-EVE	0.22	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BCA-01-070723	07/07/2023	320-102399-1	R-PSDA	0.58	UG/L	PQL	0.025	J	537 Modified		3535	
CAP3Q23-BCA-01-070723	07/07/2023	320-102399-1	Hydrolyzed PSDA	4.1	UG/L	PQL	0.024	J	537 Modified		3535	
CAP3Q23-BCA-01-070723	07/07/2023	320-102399-1	R-EVE	0.36	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-BCA-02-070723	07/07/2023	320-102399-2	R-PSDA	0.35	UG/L	PQL	0.013	J	537 Modified		3535	
CAP3Q23-BCA-02-070723	07/07/2023	320-102399-2	Hydrolyzed PSDA	0.85	UG/L	PQL	0.013	J	537 Modified		3535	
CAP3Q23-BCA-02-070723	07/07/2023	320-102399-2	R-EVE	0.28	UG/L	PQL	0.014	J	537 Modified		3535	
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	R-PSDA	3.5	UG/L	PQL	0.027	J	537 Modified		3535	
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	R-EVE	0.53	UG/L	PQL	0.030	J	537 Modified		3535	
CAP3Q23-FTA-01-071923	07/19/2023	320-102791-1	R-PSDA	0.39	UG/L	PQL	0.0027	J	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-FTA-01-071923	07/19/2023	320-102791-1	Hydrolyzed PSDA	0.050	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-FTA-01-071923	07/19/2023	320-102791-1	R-EVE	0.069	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-FTA-02-071923	07/19/2023	320-102791-2	R-PSDA	2.8	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-FTA-02-071923	07/19/2023	320-102791-2	Hydrolyzed PSDA	2.0	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-FTA-02-071923	07/19/2023	320-102791-2	R-EVE	1.2	UG/L	PQL		0.031	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

The ion ratio for the compound differed from the expected ion ratio by more than 50%. The reported positive result has been qualified "J" and should be considered estimated.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q23-PZ-21R-081523	08/15/2023	320-104225-9	Perfluorononanoic Acid	0.056	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	PFOS	0.0063	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-NAF-08A-081723	08/17/2023	320-104225-2	Perfluorohexanoic Acid	0.12	UG/L	PQL		0.058	J	537 Modified		3535
CAP3Q23-LTW-01-071323	07/13/2023	320-102712-2	PFOS	0.011	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	PFOS	0.0021	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: 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
CAP3Q23-PIW-10DR-071423	07/14/2023	320-102716-5	PFMOAA	51	ug/L	PQL		0.10	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-SMW-08B-081623	08/16/2023	320-104043-2	PFO3OA	11	ug/L	PQL		0.089	J	537 Modified		3535
CAP3Q23-OW-57-073123	07/31/2023	320-103202-10	Hydrolyzed PSDA	14	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	PMPA	9.6	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	Hfpo Dimer Acid	9.2	UG/L	PQL		0.15	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. 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
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	PFMOAA	11	ug/L	PQL		0.041	J	537 Modified		3535
CAP3Q23-PIW-1D-080223	08/02/2023	320-103526-4	PFO2HxA	9.9	ug/L	PQL		0.055	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP GW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: The preparation 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
CAP3Q23-SMW-04B-072023	07/20/2023	320-102901-8	PMPPA	1.4	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-SMW-04B-072023	07/20/2023	320-102901-8	Perfluorobutane Sulfonic Acid	0.036	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-PW-05-072023	07/20/2023	320-102901-4	PMPPA	0.89	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-PW-05-072023	07/20/2023	320-102901-4	Perfluorobutane Sulfonic Acid	0.030	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-PIW-2D-072023	07/20/2023	320-102901-7	PMPPA	1.9	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-PIW-2D-072023	07/20/2023	320-102901-7	Perfluorobutane Sulfonic Acid	0.032	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	PFO2HxA	61	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	PPF Acid	50	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-PIW-6S-071223	07/12/2023	320-102527-6	PFMOAA	150	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	PFO2HxA	42	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	PPF Acid	49	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-PIW-7D-071123	07/11/2023	320-102509-3	PFMOAA	140	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	PFO2HxA	34	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-PIW-8D-071123	07/11/2023	320-102509-4	PFMOAA	72	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	PFO2HxA	46	ug/L	PQL		0.69	J	537 Modified		3535
CAP3Q23-PW-01-071723	07/17/2023	320-102716-10	PFMOAA	110	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-PW-11-070723	07/07/2023	320-102399-3	PFMOAA	54	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-PW-14-070723	07/07/2023	320-102399-4	Hfpo Dimer Acid	20	UG/L	PQL		0.38	J	537 Modified		3535
CAP3Q23-PW-14-070723	07/07/2023	320-102399-4	PFMOAA	41	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-PW-14-070723-D	07/07/2023	320-102399-5	Hfpo Dimer Acid	18	UG/L	PQL		0.38	J	537 Modified		3535
CAP3Q23-PW-14-070723-D	07/07/2023	320-102399-5	PFMOAA	41	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	Hydrolyzed PSDA	79	UG/L	PQL		0.068	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	PFO2HxA	67	ug/L	PQL		0.14	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

The preparation 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
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	PPF Acid	58	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-PW-15R-070723	07/07/2023	320-102399-6	PFMOAA	230	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-PZ-13-072023	07/20/2023	320-102901-3	Perfluorobutane Sulfonic Acid	0.034	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	NVHOS, Acid Form	0.17	UG/L	PQL		0.13	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PPF Acid	5.2	UG/L	PQL		0.25	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFMOAA	15	ug/L	PQL		0.041	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Hydro-EVE Acid	0.12	UG/L	PQL		0.024	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Hydro-PS Acid	0.37	ug/L	PQL		0.044	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PEPA	0.58	UG/L	PQL		0.048	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Perfluoropentanoic Acid	0.055	UG/L	PQL		0.049	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	R-EVE	0.39	UG/L	PQL		0.031	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFO2HxA	5.9	ug/L	PQL		0.055	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFO3OA	2.6	ug/L	PQL		0.089	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFO4DA	3.9	ug/L	PQL		0.040	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PFO5DA	0.14	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	R-PSDA	1.5	UG/L	PQL		0.028	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Hydrolyzed PSDA	1.2	UG/L	PQL		0.027	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	PMMA	2.0	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-OW-37-081023	08/10/2023	320-104266-3	Hfpo Dimer Acid	4.0	UG/L	PQL		0.15	J	537 Modified		3535
CAP3Q23-NAF-02-072023	07/20/2023	320-102901-9	PMMA	51	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-NAF-02-072023	07/20/2023	320-102901-9	Perfluorobutane Sulfonic Acid	0.038	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	PMMA	11	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	Hfpo Dimer Acid	35	UG/L	PQL		0.15	J	537 Modified		3535

Validation Reason Code: The preparation 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
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	Perfluorobutane Sulfonic Acid	0.032	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-NAF-03-072023	07/20/2023	320-102901-10	PPF Acid	37	UG/L	PQL		0.25	J	537 Modified		3535
CAP3Q23-NAF-09-072023	07/20/2023	320-102901-1	PMPPA	25	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-NAF-09-072023	07/20/2023	320-102901-1	Perfluorobutane Sulfonic Acid	0.033	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-NAF-10-072023	07/20/2023	320-102901-2	PMPPA	3.6	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-NAF-10-072023	07/20/2023	320-102901-2	Perfluorobutane Sulfonic Acid	0.038	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-LTW-03-071223	07/12/2023	320-102527-5	PFO2HxA	49	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-LTW-03-071223	07/12/2023	320-102527-5	PFMOAA	140	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-LTW-04-071123	07/11/2023	320-102527-1	PFMOAA	57	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	PFO2HxA	41	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	PPF Acid	52	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-LTW-05-071123	07/11/2023	320-102509-6	PFMOAA	120	ug/L	PQL		0.51	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	Hfpo Dimer Acid	30	UG/L	PQL		0.38	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	PFO2HxA	47	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	PPF Acid	39	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-MW-13D-071023	07/10/2023	320-102399-9	PFMOAA	69	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-MW-17D-072023	07/20/2023	320-102901-6	PMPPA	1.6	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q23-MW-17D-072023	07/20/2023	320-102901-6	Perfluorobutane Sulfonic Acid	0.027	UG/L	PQL		0.020	J	537 Modified		3535
CAP3Q23-MW-27-071323	07/13/2023	320-102712-7	PFO2HxA	39	ug/L	PQL		0.14	J	537 Modified		3535
CAP3Q23-MW-27-071323	07/13/2023	320-102712-7	PFMOAA	91	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-BCA-01-070723	07/07/2023	320-102399-1	PFMOAA	55	ug/L	PQL		0.10	J	537 Modified		3535
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	Hydrolyzed PSDA	65	UG/L	PQL		0.068	J	537 Modified		3535
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	PFO2HxA	83	ug/L	PQL		0.14	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP MW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: The preparation 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
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	PPF Acid	69	UG/L	PQL		0.63	J	537 Modified		3535
CAP3Q23-BCA-03R-071123	07/11/2023	320-102509-9	PFMOAA	280	ug/L	PQL		1.0	J	537 Modified		3535
CAP3Q23-BCA-04-072023	07/20/2023	320-102901-5	PMPPA	0.042	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 3Q23 (updated)

Project Reviewer: Bridget Gavaghan & Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP3Q23-SEEP-A-EFF-24-072723	320-103013-1	Surface Water	N	07/27/2023	05:48	FS
CAP3Q23-SEEP-B-EFF-24-072723	320-103013-2	Surface Water	N	07/27/2023	06:06	FS
CAP3Q23-SEEP-C-EFF-24-072723	320-103013-3	Surface Water	N	07/27/2023	04:42	FS
CAP3Q23-SEEP-D-EFF-24-072723	320-103013-4	Surface Water	N	07/27/2023	08:05	FS
RIVER-WATER-INTAKE2-072623	320-103013-5	Surface Water	N	07/26/2023	10:56	FS
CAP3Q23-OLDOF-1-24-072723	320-103013-6	Surface Water	N	07/27/2023	07:30	FS
CAP3Q23-WC-1-24-072723	320-103016-1	Surface Water	N	07/27/2023	06:34	FS
CAP3Q23-WC-2-24-072723	320-103016-2	Surface Water	N	07/27/2023	05:00	FS
CAP3Q23-WC-3-24-072723	320-103016-3	Surface Water	N	07/27/2023	05:00	FS
CAP3Q23-OUTFALL-002-24-072723	320-103016-4	Surface Water	N	07/27/2023	06:30	FS
OUTFALL-002-24-072723-D	320-103016-5	Surface Water	N	07/27/2023	06:30	DUP
CAP3Q23-CFR-RM-76-072623	320-103017-1	Surface Water	N	07/26/2023	09:25	FS
CAP3Q23-GBC-1-072623	320-103017-2	Surface Water	N	07/26/2023	12:40	FS
CAP3Q23-LOCK-DAM-SEEP-072623	320-103017-3	Surface Water	N	07/26/2023	09:50	FS
CAP3Q23-LOCK-DAM-NORTH-072623	320-103017-4	Surface Water	N	07/26/2023	09:40	FS
CAP3Q23-CFR-BLADEN-072623	320-103017-5	Surface Water	N	07/26/2023	17:00	FS
CAP3Q23-CFR-TARHEEL-072723	320-103017-6	Surface Water	N	07/27/2023	10:25	FS
CAP3Q23-EQBLK-IS-072723	320-103017-7	Blank Water	N	07/27/2023	15:07	EB
CAP3Q23-EQBLK-PP-072723	320-103017-8	Blank Water	N	07/27/2023	15:05	EB
CAP3Q23-CFR-TARHEEL-7-072723	320-103199-1	Surface Water	N	07/27/2023	13:46	FS
CAP3Q23-CFR-KINGS-080123	320-103199-2	Surface Water	N	08/01/2023	13:50	FS
RIVER-WATER-INTAKE2-24-072823	320-103199-3	Surface Water	N	07/28/2023	13:10	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 3Q23

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		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 data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	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
- Temperature upon laboratory receipt not to exceed 10 C (manual check)

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 3Q23

Validation Options:

LABSTATS

Validation Reason Code:

The preparation 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
											Prep A	Prep B	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFOS	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified			3535

Validation Reason Code: The preparation 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
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorononanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoroctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	9CI-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	11CI-PF3OUdS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoroctadecanoic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFOS	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorohexanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFOA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoroheptane Sulfonic Acid (PFHps)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorononanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	R-PSDCA	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL	0.0040	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoroctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	9Cl-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	11Cl-PF3OUdS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFECA B	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoroctadecanoic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFOS	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	N-Methyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PS Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	N-Ethyl Perfluoroctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Validation Reason Code: The preparation 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
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFOA	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL	0.0050	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorononanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	R-PSDCA	0.0030	UG/L	PQL	0.0030	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoronananesulfonic Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: The preparation 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
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Hydro-PS Acid	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	9CI-PF3ONS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	11CI-PF3OUdS	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Hydro-EVE Acid	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFECA-G	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	DONA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFO4DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFO5DA	0.0020	ug/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL	0.0020	UJ	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL	0.0040	UJ	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: Surrogates had relative percent recovery (RPR) values greater 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
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	Hfpo Dimer Acid	5.2	UG/L	PQL		0.13	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: 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
CAP3Q23-OUTFALL-002-24-072723	07/27/2023	320-103016-4	R-PSDA	0.019	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OUTFALL-002-24-072723	07/27/2023	320-103016-4	Hydrolyzed PSDA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OUTFALL-002-24-072723	07/27/2023	320-103016-4	R-EVE	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	PFMOAA	47	ug/L	PQL		0.034	J	537 Modified		3535

Validation Reason Code:

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
CAP3Q23-SEEP-D-EFF-24-072723	07/27/2023	320-103013-4	R-PSDA	0.017	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-D-EFF-24-072723	07/27/2023	320-103013-4	Hydrolyzed PSDA	0.033	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-D-EFF-24-072723	07/27/2023	320-103013-4	R-EVE	0.023	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-1-24-072723	07/27/2023	320-103016-1	R-PSDA	0.17	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-1-24-072723	07/27/2023	320-103016-1	Hydrolyzed PSDA	0.29	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-1-24-072723	07/27/2023	320-103016-1	R-EVE	0.059	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-2-24-072723	07/27/2023	320-103016-2	R-PSDA	0.096	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-2-24-072723	07/27/2023	320-103016-2	Hydrolyzed PSDA	0.075	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-2-24-072723	07/27/2023	320-103016-2	R-EVE	0.041	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-3-24-072723	07/27/2023	320-103016-3	R-PSDA	0.065	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-3-24-072723	07/27/2023	320-103016-3	Hydrolyzed PSDA	0.0076	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-WC-3-24-072723	07/27/2023	320-103016-3	R-EVE	0.023	UG/L	PQL	0.0020	J	537 Modified		3535	
OUTFALL-002-24-072723-D	07/27/2023	320-103016-5	R-PSDA	0.019	UG/L	PQL	0.0020	J	537 Modified		3535	
OUTFALL-002-24-072723-D	07/27/2023	320-103016-5	Hydrolyzed PSDA	0.017	UG/L	PQL	0.0020	J	537 Modified		3535	
OUTFALL-002-24-072723-D	07/27/2023	320-103016-5	R-EVE	0.0044	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-072623	07/26/2023	320-103013-5	R-PSDA	0.0090	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-072623	07/26/2023	320-103013-5	Hydrolyzed PSDA	0.0063	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-072623	07/26/2023	320-103013-5	R-EVE	0.0030	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-24-072823	07/28/2023	320-103199-3	R-PSDA	0.0077	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-24-072823	07/28/2023	320-103199-3	Hydrolyzed PSDA	0.0082	UG/L	PQL	0.0020	J	537 Modified		3535	
RIVER-WATER-INTAKE2-24-072823	07/28/2023	320-103199-3	R-EVE	0.0024	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CFR-BLADEN-072623	07/26/2023	320-103017-5	R-PSDA	0.0031	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-CFR-KINGS-080123	08/01/2023	320-103199-2	R-PSDA	0.0040	UG/L	PQL	0.0020	J	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code:

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
CAP3Q23-CFR-KINGS-080123	08/01/2023	320-103199-2	R-EVE	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-CFR-TARHEEL-072723	07/27/2023	320-103017-6	R-PSDA	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-CFR-TARHEEL-7-072723	07/27/2023	320-103199-1	R-PSDA	0.0031	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-GBC-1-072623	07/26/2023	320-103017-2	R-PSDA	0.14	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-GBC-1-072623	07/26/2023	320-103017-2	R-EVE	0.039	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-LOCK-DAM-NORTH-072623	07/26/2023	320-103017-4	R-PSDA	0.27	UG/L	PQL		0.011	J	537 Modified		3535
CAP3Q23-LOCK-DAM-NORTH-072623	07/26/2023	320-103017-4	Hydrolyzed PSDA	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-LOCK-DAM-NORTH-072623	07/26/2023	320-103017-4	R-EVE	0.14	UG/L	PQL		0.013	J	537 Modified		3535
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	R-PSDA	0.80	UG/L	PQL		0.024	J	537 Modified		3535
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	Hydrolyzed PSDA	0.70	UG/L	PQL		0.023	J	537 Modified		3535
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	R-EVE	0.24	UG/L	PQL		0.026	J	537 Modified		3535
CAP3Q23-OLDOF-1-24-072723	07/27/2023	320-103013-6	R-PSDA	0.079	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OLDOF-1-24-072723	07/27/2023	320-103013-6	Hydrolyzed PSDA	0.086	UG/L	PQL		0.0020	J	537 Modified		3535
CAP3Q23-OLDOF-1-24-072723	07/27/2023	320-103013-6	R-EVE	0.037	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: The ion ratio for the compound differed from the expected ion ratio by more than 50%. The reported positive result has been qualified "J" and should be considered estimated.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP3Q23-LOCK-DAM-SEEP-072623	07/26/2023	320-103017-3	Perfluorohexane Sulfonic Acid	0.0043	UG/L	PQL		0.0020	J	537 Modified		3535

Validation Reason Code: 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
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PEPA	0.017	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Perfluoropentanoic Acid	0.0044	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PPF Acid	0.20	UG/L	PQL	0.0050	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFMOAA	0.43	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	NVHOS, Acid Form	0.0033	UG/L	PQL	0.0030	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	R-EVE	0.0049	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	NVHOS, Acid Form	0.025	UG/L	PQL	0.0030	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PMPA	0.067	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Hfpo Dimer Acid	0.055	UG/L	PQL	0.0040	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFO2HxA	0.14	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	PFO3OA	0.0088	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	R-PSDA	0.0036	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-C-EFF-24-072723	07/27/2023	320-103013-3	Hydrolyzed PSDA	0.0044	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Hydro-EVE Acid	0.0034	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PPF Acid	1.1	UG/L	PQL	0.041	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFMOAA	3.2	ug/L	PQL	0.0068	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PEPA	0.25	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluoropentanoic Acid	0.021	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	R-EVE	0.034	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFO2HxA	0.57	ug/L	PQL	0.0091	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFO3OA	0.024	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PFO4DA	0.0020	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Perfluorobutanoic Acid	0.017	UG/L	PQL	0.0050	J	537 Modified		3535	

Site: Fayetteville

Sampling Program: CAP SW Sampling 3Q23

Validation Options: LABSTATS

Validation Reason Code: 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
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	R-PSDA	0.038	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Hydrolyzed PSDA	0.19	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	PMPA	0.87	UG/L	PQL	0.0056	J	537 Modified		3535	
CAP3Q23-SEEP-B-EFF-24-072723	07/27/2023	320-103013-2	Hfpo Dimer Acid	0.18	UG/L	PQL	0.0040	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PPF Acid	2.3	UG/L	PQL	0.10	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFMOAA	7.5	ug/L	PQL	0.017	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	NVHOS, Acid Form	0.016	UG/L	PQL	0.0030	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFO2HxA	1.1	ug/L	PQL	0.023	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFO3OA	0.026	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PFO4DA	0.0037	ug/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluorobutanoic Acid	0.021	UG/L	PQL	0.0050	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PEPA	0.21	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Perfluoropentanoic Acid	0.018	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	R-EVE	0.018	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	PMPA	1.2	UG/L	PQL	0.014	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Hfpo Dimer Acid	0.15	UG/L	PQL	0.0040	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	R-PSDA	0.017	UG/L	PQL	0.0020	J	537 Modified		3535	
CAP3Q23-SEEP-A-EFF-24-072723	07/27/2023	320-103013-1	Hydrolyzed PSDA	0.12	UG/L	PQL	0.0020	J	537 Modified		3535	

Appendix E

Cape Fear River PFAS Baseline Assessment

INTRODUCTION AND OBJECTIVE

The objective of this appendix is to provide a baseline of Total PFAS mass load in the Cape Fear River that may support the evaluation of Total PFAS reductions. The baseline mass load was calculated using the PFAS analytical data collected in the Cape Fear River at Tar Heel Ferry Road Bridge (or Tar Heel, Figure E1) over a 12-month timeframe (Q2 2020 through Q1 2021) and the continuous Cape Fear River flow recorded by the United States Geological Survey (USGS) at W.O. Huske Dam Station (Station #2105500). The collection of PFAS analytical data from Tar Heel was performed pursuant of paragraphs 1(a) and 1(b) of the CO Addendum, and the approach for developing the baseline mass load was described in the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec 2020a).

The timeframe defined as the baseline period is 365 days, or 12 months of sampling at Tar Heel as specified in the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec 2020c). The timeframe start date was April 1, 2020 (i.e., start of Q2 2020) which is when the autosampler was put into service at Tar Heel. This baseline period was chosen because it captures the dynamics and inherent variability between in-river PFAS concentrations, river flows, and weather conditions (i.e., rainfall), which is well represented within a 12-month timeframe. Therefore, the Total PFAS baseline mass load represents a 12-month baseline mass load which was calculated using samples and data collected over this baseline period.

The following sections describe the baseline mass load timeframe and metrics, sampling activities, the calculations for the Total PFAS baseline mass load, and the PFAS mass load reductions in subsequent reporting quarters after the baseline period.

Cape Fear River Analytical and Flow Data

As described above, the Total PFAS baseline mass load is established using the Total Table 3+ PFAS (17 compounds¹; referred herein as Total PFAS)² analytical data from 121 river water samples collected at Tar Heel over 365 days and the continuous Cape Fear River flow recorded by the United States Geological Survey (USGS) at the W.O. Huske Dam (Station #2105500). Therefore, this baseline provides a consistent and continuous record of PFAS mass loads in the Cape Fear River and captures the inherent variability of the Cape Fear River and weather (i.e., river flows and rainfall) over the period of the baseline year.

¹ 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)”

² Table 3+ PFAS is a term used to refer to PFAS detected in the environment, for which analytical methods exist which are often attributed to the Fayetteville Works facility.

Timeframe and Metrics

The timeframe defined as the baseline period is 365 days, or 12 months of sampling at Tar Heel to capture the dynamics and inherent variability between in-river PFAS concentrations, river flows, and weather conditions (i.e., rainfall), which is well represented within a 12-month timeframe. Therefore, the Total PFAS baseline mass load represents a 12-month baseline mass load which was calculated using samples and data collected over this baseline period.

The baseline mass load is used to evaluate the reduction in Cape Fear River mass loads on a quarterly basis. The baseline mass load spans a 4-quarter, or 12-month, period. Quarterly PFAS mass loads are calculated for each quarter. These quarterly loads are then summed with the loads from the preceding three quarters to calculate a rolling 12-month Total PFAS mass load at the Cape Fear River. This rolling 12-month total (or four consecutive quarters) allows for a quarterly cadence of evaluating Total PFAS mass load reductions from baseline, rather than an annual cadence.

SAMPLING ACTIVITIES AND LABORATORY ANALYSIS

Routine collection of composite samples at Tar Heel (CFR-TARHEEL) began on March 28, 2020, when the autosampler was put into service at this location. Since the start of the sampling program, composite samples were collected generally at two samples per week. Details of the sampling methods and flow measurement methods can be found in *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec, 2020a).

Cape Fear River Flow Measurements

The flow measurements were collected at W.O. Huske Dam (Station #2105500) and have previously been provided in past mass loading assessment reports (Geosyntec: 2020a; 2020e; 2020f; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023a; 2023b; 2023c).

Cape Fear River Water Sample Collection

Prior to July 2020, the composite samples were generally composited over 3.5 days with aliquots collected at 1-hour intervals. After July 2020, the composite time for the samples were adjusted to generally over 24 hours with aliquots collected at 1-hour intervals.

Throughout the sampling period, the composite sampling temporarily was interrupted due to vandalism, equipment malfunction, or a high river stage which may flood the autosampler platform. During these occurrences, the sampler was temporarily removed, and grab samples were collected to continue a record of river concentration over time. The grab samples were collected using a peristaltic pump and new dedicated high-density polyethylene (HDPE) or low-density polyethylene (LDPE) tubing and dedicated silicone tubing for the pump head.

In addition to the routine collection at Tar Heel, a grab sample and a 24-hour composite sample were collected at Tar Heel during each monthly or quarterly mass loading assessment field program.

From March 28, 2020, to September 30, 2023 (end of third quarter of 2023, Q3 2023), a total of 364 primary composite samples, 35 duplicate composite samples, 67 primary grab samples, 3 duplicate grab samples collected from Tar Heel were used to estimate the PFAS mass loads.

Laboratory Analyses

Samples were sent to Eurofins Scientific (West Sacramento, California). The samples from Tar Heel were analyzed for PFAS by Table 3+ Laboratory standard operating procedure (SOP). Table 3+ analytical results are presented in Appendix Table B1 (of the main report).

The laboratory reports and data validation results have been provided in past quarterly mass assessment reports (Geosyntec: 2020d; 2020e; 2020f; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b;

2022c; 2022d; 2023a; 2023b, 2023c). Based on the review, the data are complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE³.

³ As reported in the *Matrix Interference During Analysis of Table 3+ Compounds* memorandum (Geosyntec, 2020b), 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.

CAPE FEAR RIVER MASS LOAD CALCULATIONS

The analytical results from the sampling and the flows reported from W.O. Huske Dam were used to estimate the Total PFAS mass loads in the Cape Fear River. Specifically, the river mass load is calculated as the product of the concentration of PFAS and the total volume of water that flowed past the sampling point (million gallons [MG]) within the sampling time interval (pounds [lbs]). This section presents the Total PFAS mass load during the baseline period and subsequent report quarters after the baseline period and summarized in Tables E1 and E2. This section also presents the reduction from the calculated PFAS baseline mass load by quarter.

Total PFAS Mass Load Calculations

The Cape Fear River Baseline was calculated as the sum of both the measured in-river PFAS Load and the Remedy Captured PFAS Load as described below in Equation 1, with detailed description in the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec 2020a).

Equation 1: Total PFAS Baseline Mass Load

$$M_{CFR} = m_{CFR} + m_{Remedies}$$

where,

M_{CFR} = is the Mass Load of PFAS compounds in the Cape Fear River, including the mass load prevented from reaching the Cape Fear River by implemented remedies;

m_{CFR} = is the River Mass Load estimated using PFAS concentrations in samples taken in the Cape Fear River downstream of the Site where the river is well mixed and using measured river flow volumes; and

$m_{Remedies}$ = is the Captured Mass Load prevented from reaching the Cape Fear River by remedies implemented by Chemours⁴.

Total PFAS Mass Load

The Cape Fear River PFAS baseline mass load period began on April 1, 2020, (start of Q2 2020) and concluded on March 31, 2021 (end of Q1 2021), for a total of one year⁵. During the baseline period (Q2 2020 through Q1 2021), Chemours installed and began operating remedies to capture PFAS at the Site and to prevent PFAS from reaching the Cape Fear River. These include Outfall

⁴ There have been numerous interim and permanent actions taken to limit PFAS reaching the Cape Fear River prior to this baseline period, i.e., air abatement measures (installation of the thermal oxidizer and carbon beds, etc.), grouting of the terracotta pipe, sediment removal from channels, among others, and these have not been captured in this baseline load calculation methodology.

⁵ The baseline period is amended slightly to start at the beginning of Q2 2020 (April 1, 2020) a change of 3 days from the the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec 2020c) which indicated a start date on March 28, 2020.

**Appendix E: Cape Fear River PFAS Baseline
Mass Load Assessment**

Geosyntec Consultants of NC, P.C.
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003 treatment system⁶ (starting October 1, 2020) and the Seep C Flow-through cell (FTC) (starting December 16, 2020). The total PFAS mass load captured by these remedies during the baseline period (up to March 31, 2021) represents the PFAS mass prevented from reaching the Cape Fear River by the remedies.

During the baseline period (Q2 2020 through Q1 2021), the Total PFAS mass load in the Cape Fear River, including the mass load prevented from reaching the Cape Fear River by implemented remedies, was 947 lbs. Specifically:

- The in-river Total PFAS mass load was 826 lbs and is based on 209 mass loading estimation intervals. The total in-river volume during this period was 2,123,823 MG Appendix Table B3 (of the main report).
- The remedies prevented 120 lbs of Total PFAS mass load (Geosyntec: 2021a; 2021b):
 - For the Outfall 003 treatment system, a total of 107 lbs of PFAS was captured and prevented from reaching the Cape Fear River with a total treated volume of 161 MG.
 - For the Seep C FTC, a total of 14 lbs of PFAS was captured and prevented from reaching the Cape Fear River with a total treated volume of 12 MG.

Baseline Quarter	Measured in River Load (lbs)	Remedy Prevented Load OF003 System (lbs)	Remedy Prevented Load Seep C FTC (lbs)	Baseline Load (lbs)
2Q 2020	269	--	--	269
3Q 2020	170	--	--	170
4Q 2020	180	55	2	237
1Q 2021	207	52	12	271
Total	826	107	14	947

⁶ Outfall 003 treatment system – OF003 or Old Outfall 002 treatment system.

PFAS Mass Load in Subsequent Reporting Quarters

To date, there have been 10 reporting quarters since the end of the baseline period (Q2 2021 to Q3 2023). The in-river Total PFAS mass load measured from April 1, 2021 (start of Q2 2021) to March 31, 2023 (end of Q1 2023) are presented in Appendix Table B3 (of the main report).

The total mass load prevented by remedies implemented at the Site during this period (Outfall 002 Stormwater Treatment System, Outfall 003 treatment system, and FTCs at Seep A, B, C, and D) have been provided in past mass loading assessment reports (Geosyntec: 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023a; 2023b; 2023c).

To assess the reduction of PFAS mass load from the baseline load, the rolling totals over four reporting quarters of Total PFAS mass load were calculated for each reporting quarter, starting from Q1 2022 (4th quarter after the baseline period).

During the past six consecutive report quarters, there has been a 12-month rolling total reduction of 75% or greater from the annual baseline load of 947 lbs, which is inclusive of nine total quarters.

Rolling Four Quarter Period	Sum of Total Table 3+ (17 Compounds) Rolling Four Quarter River Mass Load (lbs)	Percent Reduction
Q2 2020 to Q1 2021 (Baseline)	947	--
Q2 2021 to Q1 2022	373	61%
Q3 2021 to Q2 2022	237	75%
Q4 2021 to Q3 2022	171	82%
Q1 2022 to Q4 2022	167	82%
Q2 2022 to Q1 2023	146	85%
Q3 2022 to Q2 2023	137	85%
Q4 2022 to Q3 2023	139	85%

SUMMARY

Chemours has developed a baseline mass load of Table 3+ PFAS (17 compounds) in the Cape Fear River that may support the evaluation of reductions in the Cape Fear River. The baseline was established using 121 river water samples collected over 365 days and the corresponding continuous record of Cape Fear River flow as measured by the USGS at the W.O. Huske Dam. This baseline provides a consistent and continuous record of Total PFAS mass load in the Cape Fear River and captures the inherent variability of the Cape Fear River and weather (i.e., river flows and rainfall) over the period of the baseline year.

The Total PFAS baseline mass load in the Cape Fear River was estimated using composite and grab samples collected at Tar Heel from April 1, 2020, to March 31, 2021 (i.e., the four quarters from Q2 2020 to Q1 2021). Over this period, the baseline mass load of Total PFAS was 947 lbs, which is the summation of the in-river mass load at Tar Heel (827 lbs) and the mass load prevented by remedies that have been installed at the Site (120 lbs).

The in-river Total PFAS mass loads were calculated for subsequent report quarters after the baseline period (i.e., starting from Q2 2021). A rolling Total PFAS mass load was calculated over four reporting quarters to assess reduction from the baseline mass load. A rolling 12-month total reduction of 75% or greater from the annual baseline load of 947 lbs was achieved during the past six consecutive reporting quarters, which is inclusive of nine total quarters.

Assessment of PFAS mass loads at Tar Heel will continue in future reporting quarters and the total in-river mass loads will be reported in future mass loading assessment reports.

References

- Geosyntec. 2020a. Cape Fear River Mass Loading Calculation Protocol Version 2, Chemours Fayetteville Works. November 18, 2020.
- Geosyntec. 2020b. Matrix Interference During Analysis of Table 3+ Compounds. Chemours Fayetteville Works. June 30, 2020.
- Geosyntec. 2020c. Cape Fear River Table 3+ PFAS Mass Loading Assessment – First Quarter 2020 Report, Chemours Fayetteville Works. July 31, 2020.
- Geosyntec. 2020d. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2020 Report, Chemours Fayetteville Works. September 30, 2020.
- Geosyntec. 2020e. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2020 Report, Chemours Fayetteville Works. December 23, 2020.
- Geosyntec. 2021a. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2020 Report, Chemours Fayetteville Works. March 31, 2021.

**Appendix E: Cape Fear River PFAS Baseline
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Geosyntec, 2021b. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2021 Report, Chemours Fayetteville Works. June 30, 2021.

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

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

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

Geosyntec 2022b. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2022 Report, Chemours Fayetteville Works. June 30, 2022.

Geosyntec 2022c. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2022 Report, Chemours Fayetteville Works. September 30, 2022.

Geosyntec 2022d. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2022 Report, Chemours Fayetteville Works. December 28, 2022.

Geosyntec 2023a. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2022 Report, Chemours Fayetteville Works. March 31, 2023.

Geosyntec 2023b. Cape Fear River PFAS Mass Loading Assessment – First Quarter 2023 Report, Chemours Fayetteville Works. June 29, 2023.

Geosyntec 2023c. Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2023 Report, Chemours Fayetteville Works. September 29, 2023.

TABLE E1
SUMMARY OF CALCULATED TOTAL MASS LOAD IN THE CAPE FEAR RIVER - BASELINE PERIOD
Chemours Fayetteville Works, North Carolina

Baseline Reporting Period	River volume (MG)	Total Attachment C ⁴			Total Table 3+ (17 Compounds) ¹			Total Table 3+ (20 Compounds)		
		Projected Load (lbs) ²	Measured Load in Cape Fear River (lbs) ³	Remedy Reduction Load (lbs) ⁴	Projected Load (lbs) ²	Measured Load in Cape Fear River (lbs) ³	Remedy Reduction Load (lbs) ⁴	Projected Load (lbs) ²	Measured Load in Cape Fear River (lbs) ³	Remedy Reduction Load (lbs) ⁴
2020 Q2	460,084	266	266	--	269	269	--	345	345	--
2020 Q3	269,003	167	167	--	170	170	--	215	215	--
2020 Q4	648,470	235	179	56	237	180	57	292	233	59
2021 Q1	746,265	268	205	62	271	207	64	322	257	65
Total	2,123,823	936	817	119	947	826	121	1,174	1,051	124

Notes:

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

2 - Projected load is calculated as the total of the measured load in the Cape Fear River and the calculated remedy reduction load.

3 - Measured load in Cape Fear River represent loads measured in the Cape Fear River at the CFR-TARHEEL sampling location downstream of the Site.

4 - Calculated remedy reduction loads represent the total load that was prevented from reaching the Cape Fear River. This is calculated as the total load from Outfall 003 treatment system and Seep C flow through cell.

-- - not calculated

lbs - pounds

MG - million gallons

TABLE E2
SUMMARY OF PERCENT REDUCTION LOAD FROM BASELINE PERIOD
Chemours Fayetteville Works, North Carolina

Geosyntec Consultants of NC, P.C.

Reporting Period After Baseline ¹	Total River volume (MG)	Total Table 3+ (17 Compounds) ²			
		Measured Load in Cape Fear River (lbs) ³	Total Measured Load Over Rolling Prior Four Quarters (lbs)	Total Baseline Load (lbs)	Percent Reduction Load from Baseline Projected Load
2021 Q2	184,977	170	--	--	--
2021 Q3	156,006	89	--	--	--
2021 Q4	73,532	42	--	--	--
2022 Q1	380,263	72	373	947	61%
2022 Q2	175,562	33	237	947	75%
2022 Q3	78,649	23	171	947	82%
2022 Q4	164,830	38	167	947	82%
2023 Q1	324,227	51	146	947	85%
2023 Q2	298,943	25	137	947	85%
2023 Q3	140,296	25	139	947	85%

Notes:

1 - The remedies at Outfall 003, Seeps A, B, C, and D, and at Outfall 002 were operational since Q3 2021.

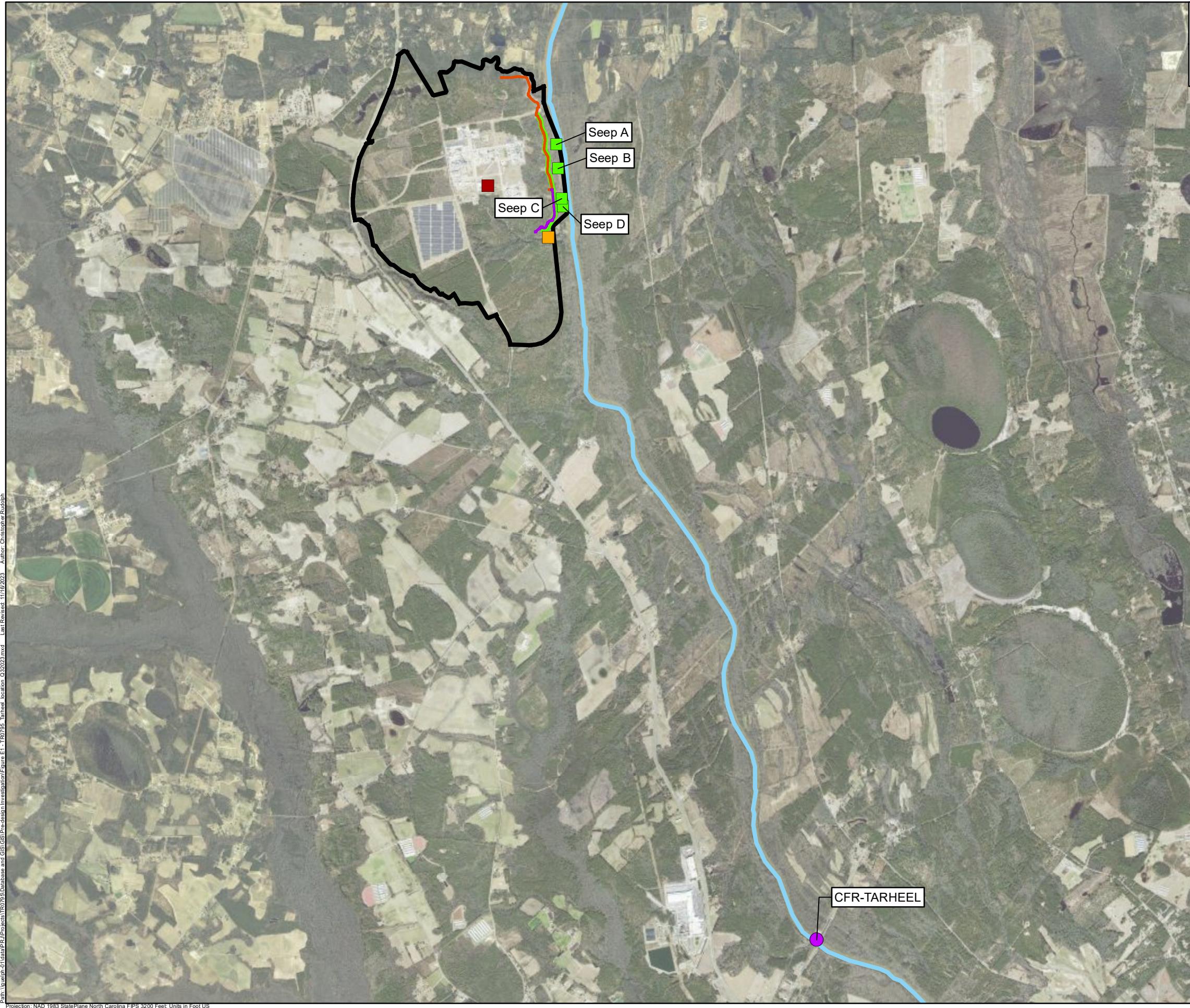
2 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.

3 - Measured load in Cape Fear River represent loads measured in the Cape Fear River at the CFR-TARHEEL sampling location downstream of the Site.

-- - not calculated

kg - kilograms

m3 - cubic meters



N

Legend

- Tar Heel Sample Location
- Flow-Through Cell
- Outfall 003 Treatment System
- Stormwater Treatment System
- Site Boundary
- Cape Fear River
- Barrier Wall
- North Forcemain
- South Forcemain

Notes:

1. 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.
2. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1 0.5 0 1 Miles

Cape Fear River Sample Location
at Tarheel and Site Remedies

Chemours Fayetteville Works, North Carolina

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Figure
E1

Raleigh

December 2023