Appendix A

Cape Fear River PFAS Mass Loading Model

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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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 the relative contributions by pathway. The following sections describe the transport pathways and the results from the mass loading model, an assessment on the sensitivity, and the limitations of the mass loading model.

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 the river PFAS concentrations (Geosyntec, 2020a):

- **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**: Direct aerial deposition of PFAS on the Cape Fear River (see Attachment ATT2 for further details).
- **Transport Pathway 4**: 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**: Onsite Groundwater – Direct upwelling of onsite groundwater to the Cape Fear River from the Black Creek Aquifer.
- **Transport Pathway 6**: Seeps – Onsite groundwater seeps A, B, C and D and offsite Lock and Dam Seep above the Cape Fear River water level on the bluff face from the facility that discharge into the Cape Fear River.
- **Transport Pathway 7**: Old Outfall 002 – Groundwater discharge to Old Outfall 002 and stormwater runoff 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 Q4 2022 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 report period. (November 2022). A total of 35 water samples were collected, which includes surface water (seep, creeks, Old Outfall 002, 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 A3. 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.

Water Levels and Groundwater Sample Collection

One synoptic water level survey of the onsite groundwater monitoring well network was completed on November 10, 2022 (Table A4). Groundwater samples were collected from November 15 to 21, 2022, from 18 of the 20 monitoring wells outlined in CO Paragraph 16 (Table A5). This list of groundwater wells is derived from the Corrective Action Plan (CAP) (Geosyntec, 2019), with the following exceptions and deviations:

- PIW-1S and PW-07 were not sampled because they were dry or did not recharge adequately to allow sampling.

The groundwater field parameters are provided in Table A6.

Surface Water Sample Collection

The seep water and river water samples were collected from November 8 to 14, 2022. During the sampling event, high river stage was not recorded (<10 feet throughout). Including the 3 samples collected at the three downstream locations along the Cape Fear River (Bladen Bluffs, Tar Heel, and Kings Bluff), a total of 16 primary samples, 1 duplicate sample, 2 equipment blanks, and 1 field blank were collected. Field parameters recorded for these samples are provided in Table A7. Recorded field parameter data are generally consistent with expectations.

Laboratory Analyses

All samples were sent to Eurofins Scientific (West Sacramento, CA) and were analyzed for Table 3+ Laboratory SOP and Method Mod 537 (35 compounds).

PFAS ANALYTICAL RESULTS

The analytical results from samples during the Q4 2022 surface water and groundwater sampling events are presented in Tables A8 and A9, 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-EVE[1].

Surface Water PFAS Analytical Results

For the surface and seep water samples, two equipment blanks and one field blank were collected and no PFAS were detected above the associated reporting limits in the blanks. One field duplicate was collected at the SEEP-A Effluent location on November 9, 2022. PFAS results for the primary (CAP4Q22-SEEP-A-EFF-24-110922) and duplicate sample (CAP4Q22-SEEP-A-EFF-24-110922-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 Tables A8 (Table 3+) and Attachment Table ATT1-12 (Mod 537). Figure A1 shows the Total Table 3+ (17 compounds) concentrations reported for samples collected in Q4 2022 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.

In general, Total Table 3+ (17 compounds) concentrations were lowest at Intake at the Facility, Outfall 002, in the near-site/downstream river samples, and the effluents to the Seep A, Seep C, and Seep D flow through cells (FTCs), while the highest concentrations were observed in the samples collected at the Lock and Dam Seep (Table A8).

Among the collected river samples, Total Table 3+ (17 compounds) concentrations ranged from 5.0 ng/L (at CFR-MILE-76 in November 2022) to 78 ng/L (downstream composite sample at CFR-TARHEEL). Among the creeks, the Total Table 3+ (17 compounds) concentrations were the lowest at Georgia Branch Creek (1,800 ng/L) and the highest at Willis Creek (4,700 ng/L) for the samples collected in Q4 2022. Among the seeps and Old Outfall 002, Seep D effluents generally had the lowest Total Table 3+ (17 compounds) concentrations (11 ng/L), while Lock-Dam Seep had the highest Total Table 3+ (17 compounds) concentrations (170,000 ng/L).

[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 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)"

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 <2 ng/L (near-site at CFR-MILE-76 in November 2022) to 9.3 ng/L (CFR-TARHEEL).

Groundwater PFAS Analytical Results

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

- 6 equipment blank samples and 2 field blank samples were collected during the sampling event. No PFAS were detected above the associated reporting limits in any of the equipment blank or field blank samples.
- One field duplicate sample was collected at SMW-12 (November 15, 2022). PFAS results for the primary (CAP4Q22-SMW-12-111522) and duplicate sample (CAP4Q22-SMW-12-111522-D) had relative percent differences less than 30% for the reported compounds, except for PFMOAA, PFO2HxA, and PEPA, which were J qualified.

Individual PFAS and Total PFAS concentrations for the groundwater samples collected in Q4 2022 are summarized in Tables A9 (Table 3+) and Attachment Table ATT1-13 (Mod 537), and Figure A5. Total Table 3+ (17 compounds) concentrations ranged from 38 ng/L (PW-09) to 270,000 ng/L (PIW-7D). 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).

In general, the largest proportion of Total Table 3+ (17 compounds) concentrations are comprised of HFPO-DA, PFMOAA, PFO2HxA and PMPA (Table A5). On an aquifer basis, lower individual and Total Table 3+ (17 compounds) concentrations are observed in wells screened in the Surficial Aquifer. Concentrations of Total Table 3+ (17 compounds) in Floodplain Deposits and Black Creek Aquifer groundwater (Figure A4) were similar to the Lock-Dam Seep concentrations (Figure A1). Overall, results from the Q4 2022 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec: 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c).

Potentiometric Surfaces

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 November 2022 (Table A4). Groundwater elevations from these synoptic water levels were used to develop potentiometric maps for the Perched Zone, Surficial Aquifer, and Black Creek Aquifer (Figures A5-1, A5-2, and A5-3, respectively).

Similar to Perched Zone groundwater elevations discussed in previous assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d), groundwater elevations were highest in the central portion of the Perched Zone near the Power and Monomers IXM areas of the Site (Figure A5-1). Perched Zone groundwater elevations appear to be controlled by topography and the lateral extent of the clay lens.

Groundwater elevations in Surficial Aquifer wells (Figure A5-2) indicate groundwater flow in the northern portion of the Site is likely to be east-northeast towards both Willis Creek and Cape Fear River, and at the southern end of the Site towards Old Outfall 002, consistent with the flow observed in previous assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d). In the southern portion of the Site, the Surficial Aquifer groundwater discharges to the Old Outfall 002 and to Seep B.

Groundwater in the Black Creek Aquifer flows in a predominantly easterly direction to the Cape Fear River (Figure A5-3) similar to groundwater elevations discussed in previous assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d). A portion of Black Creek Aquifer groundwater flow is interpreted to also flow to the northeast, towards Willis Creek (near SMW-12) and southeast, towards Old Outfall (east of PW-11 or Glengerry Road).

The Black Creek Aquifer potentiometric surface was used to estimate hydraulic gradients in the Black Creek Aquifer. The hydraulic gradients were used as inputs into the mass loading model to estimate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass loading to the Cape Fear River. The details of the calculations can be found in Attachment ATT3.

MASS LOADING MODEL ASSESSMENT

The Total PFAS mass discharges upgradient of the remedies (i.e., before the water passes through the remedies, or "Before Remedies") and downgradient of the remedies (i.e., after the water passes through the remedies, or "After Remedies") are summarized in Tables A10-1 and A10-2, respectively. Analyte-specific mass discharges estimated from the Mass Loading Model are provided in Attachment ATT1. A comparison of relative contributions per pathway for the Q4 2022 mass loading model assessments is provided in Table A11. An attempt was made to collect samples from the model pathways during a wet event in Q4 2022, but coordination of field sampling with a predicted rain event was not achieved. As such, there will be two wet events in 2023, where the first one was conducted in Q1 2023 and the second one is to be determined.

Reductions in Modeled Mass Discharge

The model estimated "Before Remedies" and "After Remedies" Total Table 3+ (17 compounds) mass discharge values from the Q4 2022 event are provided in Tables A10-1 and A10-2, respectively. The reduction in Total Table 3+ (17 compounds) mass discharges after remedies, calculated as the difference between the Total Table 3+ mass discharges after remedies and the Total Table 3+ (17 compounds) mass discharges before remedies, is summarized in the table below. Additionally, the operation of the Old Outfall 002 treatment system and Seep A, B, C, and D FTCs, were effective at reducing the Total Table 3+ mass discharge by 4.37 mg/s. More specifically, the reduction of mass discharge was 0.87 mg/s at Old Outfall 002; 0.84 mg/s at Seep A; 1.37 mg/s at Seep B;0.42 mg/s at Seep C; 0.53 mg/s at Seep D; and 0.34 mg/L at Outfall 002.

Pathway	**After Remedies Reduction in Model-Estimated Total Table 3+ (17 Compounds) Mass Discharge (mg/s)[1]**
	November 2022
Mass Discharge Reduction from Remedies	4.37
Old Outfall 002	0.87
Seep A	0.84
Seep B	1.37
Seep C	0.42
Seep D	0.53
Outfall 002[2]	0.34

1 - The after remedies reduction in Total Table 3+ (17 compounds) mass discharges is the amount prevented from reaching the Cape Fear River due to the implemented remedies, calculated as the difference between the Total Table 3+ mass discharges after remedies and the Total Table 3+ mass discharges before remedies.

2 - The SWTS treats stormwater flows captured in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002.

Overall, the mass discharge has decreased since Q3 2021 (i.e., when all the remedies mentioned above became operational).

Relative Contributions by Pathway

A summary of the relative contributions by pathway for Total Table 3+ (17 compounds) is provided in Table A11. The relative contributions using the other PFAS groupings, Total Attachment C compounds and Total Table 3+ (20 compounds), are provided in Attachment Table ATT1-11.

In November 2022, the most significant pathways upgradient of the remedies ("before" remedies) are the seeps (approximately 46% to 48%), onsite groundwater (22% to 25%), and to a lesser extent Old Outfall 002 (13% to 14%). This is consistent with previous mass loading model assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b, 2022c, 2022d).

For Old Outfall 002, SWTS, and the Seeps, the implementation of the remedies has reduced the potential loading to the Cape Fear River as follows:

- The Old Outfall 002 upgradient of the remedies contributed between 13% to 14% of the Total Table 3+ (17 compounds) mass load that potentially could reach the Cape Fear River. Implementation of the Old Outfall 002 treatment system has reduced this potential loading to approximately 1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River.
- The SWTS treats stormwater flows of up to one inch captured in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002. The SWTS influent contributed between 4.9% to 5.1% of the Total Table 3+ (17 compounds) mass load that potentially could reach the Cape Fear River. Implementation of the SWTS at Outfall 002 has reduced 99% or greater of HFPO-DA, PFMOAA, and PMPA from the influent flow.
- The seeps upgradient of the remedies contributed approximately 46% to 48% of the Total Table 3+ (17 compounds) mass load that potentially could reach the Cape Fear River. Remedy implementation at Seeps A, B, C, and D has reduced this potential loading to approximately 1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River.

Variability in Input Parameters

The mass loading model assessments provide PFAS mass discharge estimates and relative proportions of loadings 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). To better understand the sensitivity of the model to the various pathway-specific input parameters, the uncertainties associated with the input parameters were used to conduct a sensitivity analysis in

the Q1 2020 and Q2 2022 report (Geosyntec: 2020b; 2022c), and the model sensitivity is being evaluated as site conditions change.

SUMMARY

The objective of the mass loading model assessments is to provide PFAS mass discharge estimates and relative proportions of loadings for a 'snapshot' in time. In November 2022, 35 water samples were collected from the PFAS transport pathways (seeps, creeks, Old Outfall, Outfall 002, groundwater) and were used to estimate the mass discharge and the relative contribution per transport pathway to the Cape Fear River.

The pathways with the largest PFAS mass discharges continue to be the seeps (transport pathway 6), onsite groundwater (transport pathway 5), and to a lesser extent Old Outfall 002 (transport pathway 7). For the Seeps and Old Outfall 002 (transport pathways 6 and 7), the implementation of the Old Outfall 002 treatment system and the seep FTC remedies have reduced the potential loading to approximately 1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River. The SWTS at Outfall 002 removed 99% or greater of HFPO-DA, PFMOAA, and PMPA from the influent flow. Accounting for implemented remedies, the remaining largest contributing pathway is onsite groundwater.

Over this period, the implementation of remedies at the Old Outfall 002, SWTS at Outfall 002, and Seeps A, B, C, and D resulted in reductions of model-estimated mass discharges of about 4.37 mg/s. These reductions represent the estimated reductions for this single mass loading event and are similar to model-estimated reductions reported in Q3 2022 of 4.98 mg/s (Geosyntec, 2022d). The remedy reduction mass loads are expected to increase following implementation of additional onsite remedies.

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

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

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

Geosyntec, 2021a. 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, 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.

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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

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 November 2022 as reported in Table A8.	Measured flow rates from USGS gauging station at W.O. Huske Dam during November 2022 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 November 2022 as reported in Table A8.	Measured flow rates through Marsh-McBirney method during November 2022 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 November 2022 as reported in Table A8.	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 November 2022 as reported in Table A9.	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 November 2022 as reported in Table A8.	Measured flow rates through bucket and time for Lock and Dam Seep, and Lock and Dam North during November 2022 as reported in Appendix C. Flow-Through Cell flow data for Seeps A, B, C and D were used as the flumes were decommisioned following Q2 2022 CAP sampling event .
7	Old Outfall 002	Measured from Old Outfall 002 samples collected in November 2022 as reported in Table A8.	Measured flow rates through Marsh-McBirney method during November 2022 as reported in Attachment ATT1.
8	Adjacent and Downstream Groundwater	Estimated using a scaling factor applied to upstream mass discharge. Refer to Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020a) for details.	Estimated using a scaling factor applied to upstream mass discharge. Refer to Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020a) for details.
9	Georgia Branch Creek	Measured from Georgia Branch Creek samples collected in November 2022 as reported in Table A8.	Measured flow rates through Marsh-McBirney method during November 2022 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 COLLECTION AND FLOW MEASUREMENT SUMMARY
Chemours Fayetteville Works, North Carolina

Pathway / Location	Location ID	Location Description	November 2022	
			Sample Collection Method[1]	Flow Measurement Method[2]
Upstream River Water and Groundwater[3]	CFR-RM-76	Cape Fear River Mile 76	Grab	USGS Data
Willis Creek	WC-1	Mouth of Willis Creek	24-hour composite	Marsh-McBirney Flow
Intake River Water at Facility	INTAKE AT FACILITY	Water Drawn Through the Intake Sampled at the Power Area at the Site	24-hour composite	Facility DMRs
Outfall 002	OUTFALL-002	Outfall 002 in open channel	24-hour composite	Facility DMRs
Stormwater Treatment System	STS Discharge	Monomers/IXM Stormwater Treatment System Effluent	4 -hour composite[4]	Totalizer
Seep A	SEEP-A	Effluent Basin of Seep A FTC	24-hour composite	FTC[5]
Seep B	SEEP-B	Effluent Basin of Seep B FTC	24-hour composite	FTC[6]
Seep C	SEEP-C	Effluent Basin of Seep C FTC	24-hour composite	FTC[7]
Seep D	SEEP-D	Effluent Basin of Seep D FTC	24-hour composite	FTC[8]
Lock and Dam Seep	LOCK-DAM-SEEP	Southside of the boat ramp at the Lock and Dam Seep	Grab	Bucket and timer
Lock and Dam North	LOCK-DAM-NORTH	Northside of the boat ramp at the Lock and Dam Seep	Grab	Bucket and timer
Old Outfall 002	OLDOF-1	Mouth of Old Outfall 002	24-hour composite	Marsh-McBirney Flow
Georgia Branch Creek	GBC-1	Mouth of Georgia Branch Creek	Grab	Marsh-McBirney Flow
Tar Heel Ferry Road Bridge[3]	CFR-TARHEEL	Cape Fear River at Tar Heel Ferry Road Bridge	Grab	USGS Data
Bladen Bluffs[3]	CFR-BLADEN	Cape Fear River at Bladen Bluffs	Grab	USGS Data
Kings Bluffs[9]	CFR-KINGS	Cape Fear River at Kings Bluff Raw Water	Grab	USGS Data

Notes:

1 - Samples analyzed for PFAS by Method Mod 537 (35 compounds) and Table 3+ Lab SOP.

2 - Estimated flow results are included in Table A3. Supplemented flow measurement data are included in Attachment ATT1.

3 - USGS data measurements were recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2022).

4 - The Stormwater Treatment System (SWTS) samples are collected over the typical daily operation period. On November 9, 2022, the SWTS operated for 4 hours (i.e., a 4-hour composite sample was collected).

5 - Flow-Through Cell flow data for Seep A was used as the flume installed at Seep A was decommisioned following 2Q 2022 CAP sampling event.

6 - Flow-Through Cell flow data for Seep B was used as the flume installed at Seep B was decommisioned following 2Q 2022 CAP sampling event.

7 - Flow-Through Cell flow data for Seep C was used as the flume installed at Seep C was decommisioned following 2Q 2022 CAP sampling event.

8 - Flow-Through Cell flow data for Seep D was used as the flume installed at Seep D was decommisioned following 2Q 2022 CAP sampling event.

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

-- - not measured

DMRs - Discharge Monitoring Reports

FTC - flow through cell

EPA - Environmental Protection Agency

PFAS - per- and polyfluoroalkyl substances

USGS - United States Geological Survey

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

Pathway / Location	November 2022		
	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)
Upstream River Water and Groundwater[2]	11/08/22	994	446,140
Willis Creek	11/09/22	3.4	1,531
Outfall 002	11/09/22	17	7,756
Stormwater Treatment System[3]	11/09/22	0.11	49
Seep A[4]	11/09/22	0.15	68
Seep B[5]	11/09/22	0.33	146
Seep C[6]	11/09/22	0.15	67
Seep D[7]	11/09/22	0.31	138
Lock and Dam Seep	11/08/22	0.007	3.0
Lock and Dam North	11/08/22	0.001	0.3
Old Outfall 002	11/09/22	0.7	299
Georgia Branch Creek	11/08/22	1.9	853
TARHEEL[8]	11/10/22	956	406,724
TARHEEL[9]	11/09/22	954	428,186
CFR-BLADEN[10]	11/09/22	944	423,698
CFR-KINGS[11]	11/14/22	2,330	1,045,780

Notes

1 - Flow measurement methods are described in Table A1. Detailed flow data and calculations are provided in Attachment ATT1.

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

3 - The Stormwater Treatment System captures stormwater flows in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events.

4 - Flow-Through Cell flow data for Seep A was used as the flume installed at Seep A was decommisioned following 2Q 2022 CAP sampling event.

5 - Flow-Through Cell flow data for Seep B was used as the flume installed at Seep B was decommisioned following 2Q 2022 CAP sampling event.

6 - Flow-Through Cell flow data for Seep C was used as the flume installed at Seep C was decommisioned following 2Q 2022 CAP sampling event.

7 - Flow-Through Cell flow data for Seep D was used as the flume installed at Seep D was decommisioned following 2Q 2022 CAP 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 the 24 hr period between the collection of the composite sample on November 09 to 10, 2022.

9 - 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.

10 - 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.

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

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

TABLE A4
GROUNDWATER ELEVATIONS - Q4 2022
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Black Creek Aquifer	BCA-01	11/10/22	399779.96	2050662.48	91 to 101	146.25	NM	NM
Onsite	Black Creek Aquifer	BCA-02	11/10/22	396242.02	2051062.07	92 to 102	148.37	NM	NM
Onsite	Black Creek Aquifer	BCA-03R	11/10/22	398582.23	2049522.22	88 to 98	150.82	53.69	97.13
Onsite	Black Creek Aquifer	BCA-04	11/10/22	395877.67	2047823.03	94 to 104	150.31	33.34	116.97
Offsite	Black Creek Aquifer	BLADEN-1D	11/10/22	387522.25	2050247.40	37 to 47	76.96	20.11	56.85
Offsite	Surficial Aquifer	BLADEN-1S	11/10/22	387518.97	2050233.35	5 to 10	76.74	DRY	DRY
Offsite	Black Creek Aquifer	BLADEN-2D	11/10/22	368827.09	2042878.34	70 to 75	138.27	22.11	116.16
Offsite	Surficial Aquifer	BLADEN-2S	11/10/22	368821.46	2042882.92	10 to 20	138.04	8.94	129.10
Offsite	Black Creek Aquifer	BLADEN-3D	11/10/22	396856.98	2059006.56	33.75 to 43.75	75.52	12.00	63.52
Offsite	Surficial Aquifer	BLADEN-3S	11/10/22	396862.31	2059012.93	5 to 15	74.27	10.87	63.40
Offsite	Black Creek Aquifer	BLADEN-4D	11/10/22	363255.12	2087636.87	46.75 to 51.75	59.66	2.51	57.15
Offsite	Surficial Aquifer	BLADEN-4S	11/10/22	363263.19	2087637.46	4.75 to 14.75	59.68	6.61	53.07
Offsite	Black Creek Aquifer	CUMBERLAND-1D	11/10/22	431459.95	2011071.39	40 to 50	174.60	8.65	165.95
Offsite	Surficial Aquifer	CUMBERLAND-1S	11/10/22	431459.95	2011071.39	15 to 25	174.73	8.48	166.25
Offsite	Black Creek Aquifer	CUMBERLAND-2D	11/10/22	449987.54	2074019.14	47 to 57	129.23	6.00	123.23
Offsite	Surficial Aquifer	CUMBERLAND-2S	11/10/22	449979.10	2074020.86	7 to 17	129.06	6.26	122.80
Offsite	Black Creek Aquifer	CUMBERLAND-3D	11/10/22	423248.12	2060409.16	22 to 27	78.79	10.10	68.69
Offsite	Surficial Aquifer	CUMBERLAND-3S	11/10/22	423254.64	2060413.30	9 to 14	79.06	10.74	68.32
Offsite	Black Creek Aquifer	CUMBERLAND-4D	11/10/22	413095.77	2078249.95	57 to 67	119.22	17.11	102.11
Offsite	Surficial Aquifer	CUMBERLAND-4S	11/10/22	413086.63	2078255.53	10 to 20	119.36	10.88	108.48
Offsite	Black Creek Aquifer	CUMBERLAND-5D	11/10/22	405619.17	2138238.59	52 to 57	106.67	11.49	95.18
Offsite	Surficial Aquifer	CUMBERLAND-5S	11/10/22	405623.27	2138233.37	14 to 24	106.65	9.51	97.14
Onsite	Black Creek Aquifer	EW-1	11/10/22	399934.65	2051297.51	40 to 60	91.33	33.73	57.60
Onsite	Black Creek Aquifer	EW-4	11/10/22	398581.51	2051805.58	53 to 73	80.64	31.48	49.16
Onsite	Black Creek Aquifer	EW-5	11/10/22	397200.16	2052052.65	37 to 67	78.50	33.66	44.84
Onsite	Perched Zone	FTA-01	11/10/22	397906.09	2049370.01	12 to 22	149.60	17.83	131.77
Onsite	Perched Zone	FTA-02	11/10/22	397784.99	2049203.29	11.5 to 22	149.30	18.24	131.06
Onsite	Perched Zone	FTA-03	11/10/22	397766.23	2049310.46	12 to 22	150.10	18.61	131.49
Onsite	Surficial Aquifer	INSITU-01	11/10/22	401657.39	2046078.99	7 to 17	89.12	7.30	81.82
Onsite	Floodplain Deposits	LTW-01	11/10/22	399565.01	2052150.62	11 to 26	52.71	16.85	35.86
Onsite	Black Creek Aquifer	LTW-02	11/10/22	398847.57	2052355.48	28 to 38	51.39	8.37	43.02
Onsite	Floodplain Deposits	LTW-03	11/10/22	398114.45	2052558.35	15 to 30	51.75	13.51	38.24
Onsite	Floodplain Deposits	LTW-04	11/10/22	397279.61	2052584.95	12 to 27	50.66	8.96	41.70
Onsite	Black Creek Aquifer	LTW-05	11/10/22	396430.31	2052740.40	29 to 44	50.94	9.65	41.29
Onsite	Perched Zone	MW-12S	11/10/22	397262.90	2049269.37	17.5 to 22.5	151.08	21.15	129.93
Onsite	Surficial Aquifer	MW-13D	11/10/22	397119.02	2049821.12	57 to 67	148.65	47.67	100.98
Onsite	Surficial Aquifer	MW-14D	11/10/22	396974.49	2049074.56	62 to 72	149.73	44.37	105.36
Onsite	Surficial Aquifer	MW-15DRR	11/10/22	398580.71	2049511.75	52.5 to 62.5	150.92	51.78	99.14
Onsite	Surficial Aquifer	MW-16D	11/10/22	398493.70	2048402.84	72 to 82	148.41	40.23	108.18
Onsite	Surficial Aquifer	MW-17D	11/10/22	398401.74	2047366.50	57 to 67	146.12	33.92	112.20
Onsite	Surficial Aquifer	MW-18D	11/10/22	400947.30	2046574.35	50 to 60	108.10	22.81	85.29
Onsite	Surficial Aquifer	MW-19D	11/10/22	401151.43	2048272.93	46 to 56	139.36	54.35	85.01
Onsite	Perched Zone	MW-1S	11/10/22	397080.69	2049117.99	21 to 24	148.88	19.76	129.12

TABLE A4
GROUNDWATER ELEVATIONS - Q4 2022
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Surficial Aquifer	MW-20D	11/10/22	400791.01	2048733.71	65 to 75	137.20	50.98	86.22
Onsite	Surficial Aquifer	MW-21D	11/10/22	399501.88	2047074.92	72 to 82	151.42	49.26	102.16
Onsite	Surficial Aquifer	MW-22D	11/10/22	398518.40	2048362.48	52 to 72	149.09	40.15	108.94
Onsite	Perched Zone	MW-23	11/10/22	396237.61	2051063.25	9.5 to 14.5	148.34	15.12	133.22
Onsite	Perched Zone	MW-24	11/10/22	397303.94	2048767.69	18.8 to 23.8	150.31	22.16	128.15
Onsite	Perched Zone	MW-25	11/10/22	396753.37	2050989.82	12 to 17	147.59	14.88	132.71
Onsite	Perched Zone	MW-26	11/10/22	396265.18	2051484.67	5 to 10	147.70	12.76	134.94
Onsite	Perched Zone	MW-27	11/10/22	396010.33	2051472.00	10 to 15	146.83	15.23	131.60
Onsite	Perched Zone	MW-28	11/10/22	395719.79	2051165.93	9 to 14	144.70	14.57	130.13
Onsite	Perched Zone	MW-30	11/10/22	397340.79	2050776.09	10 to 15	147.67	15.53	132.14
Onsite	Perched Zone	MW-35	11/10/22	396332.94	2049631.16	14 to 19	147.54	16.54	131.00
Onsite	Perched Zone	MW-36	11/10/22	396320.09	2049651.17	12 to 17	147.89	16.26	131.63
Onsite	Perched Zone	MW-7S	11/10/22	397444.52	2049809.73	NA	147.47	12.22	135.25
Onsite	Perched Zone	MW-9S	11/10/22	396760.16	2049734.30	17.5 to 22.5	154.39	22.30	132.09
Onsite	Perched Zone	NAF-01	11/10/22	398348.58	2050339.68	5 to 15	148.65	10.92	137.73
Onsite	Perched Zone	NAF-02	11/10/22	398660.16	2050634.55	5 to 15	149.28	11.58	137.70
Onsite	Perched Zone	NAF-03	11/10/22	398578.63	2050743.04	5 to 15	149.41	11.55	137.86
Onsite	Perched Zone	NAF-04	11/10/22	398445.89	2050713.13	5 to 15	146.77	8.82	137.95
Onsite	Perched Zone	NAF-06	11/10/22	398808.81	2050913.93	2.75 to 12.75	145.43	12.22	133.21
Onsite	Perched Zone	NAF-07	11/10/22	398898.69	2050618.12	5.5 to 15.5	149.03	11.40	137.63
Onsite	Perched Zone	NAF-08A	11/10/22	398098.22	2050886.93	5 to 15	147.74	10.88	136.86
Onsite	Surficial Aquifer	NAF-08B	11/10/22	398095.97	2050880.18	43.5 to 53.5	147.83	54.58	93.25
Onsite	Perched Zone	NAF-09	11/10/22	397708.78	2050807.44	7 to 17	148.62	13.58	135.04
Onsite	Perched Zone	NAF-10	11/10/22	397611.81	2050425.20	8.25 to 18.25	149.25	14.45	134.80
Onsite	Perched Zone	NAF-11A	11/10/22	398907.08	2050999.77	2.5 to 7.5	139.74	9.26	130.48
Onsite	Surficial Aquifer	NAF-11B	11/10/22	398911.13	2050995.88	33.5 to 43.5	140.74	DRY	DRY
Onsite	Perched Zone	NAF-12	11/10/22	398270.56	2050777.49	18 to 23	145.79	8.18	137.61
Onsite	Black Creek Aquifer	OW-1	11/10/22	399930.53	2051287.87	40 to 50	95.01	37.20	57.81
Onsite	Black Creek Aquifer	OW-10	11/10/22	399948.17	2051291.21	40 to 50	94.39	37.56	56.83
Onsite	Black Creek Aquifer	OW-2	11/10/22	398572.28	2051801.62	63 to 73	84.37	35.67	48.70
Onsite	Black Creek Aquifer	OW-3	11/10/22	398601.08	2051812.32	63 to 73	84.64	35.19	49.45
Onsite	Black Creek Aquifer	OW-7	11/10/22	397180.06	2052052.69	57 to 67	81.45	36.68	44.77
Onsite	Black Creek Aquifer	OW-8	11/10/22	397202.33	2052041.98	57 to 67	82.30	38.26	44.04
Onsite	Black Creek Aquifer	OW-28	11/10/22	395570.57	2052838.21	NA	48.49	8.58	39.91
Onsite	Black Creek Aquifer	OW-33	11/10/22	395116.90	2052806.54	NA	48.59	8.21	40.38
Onsite	Black Creek Aquifer	PIW-10DR	11/10/22	395093.99	2052297.30	53 to 58	75.91	16.44	59.47
Onsite	Surficial Aquifer	PIW-10S	11/10/22	395104.95	2052296.98	7 to 17	76.32	19.04	57.28
Onsite	Black Creek Aquifer	PIW-11	11/10/22	401911.03	2050416.29	47 to 57	67.02	23.89	43.13
Onsite	Black Creek Aquifer	PIW-12	11/10/22	401703.10	2051025.77	64 to 74	83.78	49.96	33.82
Onsite	Black Creek Aquifer	PIW-13	11/10/22	401464.29	2051122.60	54 to 64	83.18	49.62	33.56
Onsite	Black Creek Aquifer	PIW-14	11/10/22	401163.98	2051186.57	56 to 66	87.43	53.59	33.84
Onsite	Black Creek Aquifer	PIW-15	11/10/22	400706.51	2051532.80	34 to 44	67.85	35.45	32.40
Onsite	Black Creek Aquifer	PIW-16D	11/10/22	396257.96	2046587.07	90 to 100	150.06	25.61	124.45

TABLE A4
GROUNDWATER ELEVATIONS - Q4 2022
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Black Creek Aquifer	PIW-16S	11/10/22	396267.84	2046586.09	35 to 45	149.74	21.99	127.75
Onsite	Surficial Aquifer	PIW-1D	11/10/22	400548.00	2051801.28	24.5 to 29.5	52.16	20.01	32.15
Onsite	Floodplain Deposits	PIW-1S	11/10/22	400541.03	2051792.39	7.8 to 17.8	54.04	21.79	32.25
Onsite	Black Creek Aquifer	PIW-2D	11/10/22	399925.40	2051315.80	40 to 50	96.19	38.34	57.85
Onsite	Black Creek Aquifer	PIW-3D	11/10/22	399711.25	2052086.94	19 to 24	53.42	17.78	35.64
Onsite	Black Creek Aquifer	PIW-4D	11/10/22	398816.52	2052101.94	32.3 to 37.3	52.85	9.28	43.57
Onsite	Surficial Aquifer	PIW-5S	11/10/22	398519.70	2051950.49	9.8 to 19.8	75.02	15.89	59.13
Onsite	Floodplain Deposits	PIW-6S	11/10/22	398117.93	2052539.79	18 to 28	53.40	15.05	38.35
Onsite	Black Creek Aquifer	PIW-7D	11/10/22	396787.77	2052595.65	29 to 34	48.93	5.75	43.18
Onsite	Floodplain Deposits	PIW-7S	11/10/22	396786.97	2052589.10	7 to 17	47.97	5.65	42.32
Onsite	Black Creek Aquifer	PIW-8D	11/10/22	396403.37	2052682.10	35.5 to 40	48.66	7.35	41.31
Onsite	Perched Zone	PW-01	11/10/22	399064.80	2049654.30	11 to 21	149.55	16.92	132.63
Onsite	Surficial Aquifer	PW-02	11/10/22	399779.06	2050649.47	50 to 60	146.43	60.25	86.18
Onsite	Surficial Aquifer	PW-03	11/10/22	397339.81	2050765.32	35 to 45	147.97	43.18	104.79
Onsite	Surficial Aquifer	PW-04	11/10/22	394659.55	2050940.66	17 to 27	97.75	29.95	67.80
Onsite	Surficial Aquifer	PW-05	11/10/22	395873.10	2047812.93	65 to 75	150.34	34.65	115.69
Onsite	Surficial Aquifer	PW-06	11/10/22	392868.00	2045288.77	19 to 29	147.69	20.59	127.10
Onsite	Surficial Aquifer	PW-07	11/10/22	390847.71	2049258.26	28 to 38	148.16	41.75	106.41
Onsite	Black Creek Aquifer	PW-09	11/10/22	402000.08	2048979.11	44 to 54	72.93	25.49	47.44
Onsite	Black Creek Aquifer	PW-10R	11/10/22	398516.12	2051936.59	57 to 67	75.90	28.21	47.69
Onsite	Black Creek Aquifer	PW-11	11/10/22	394354.36	2052226.72	53 to 63	73.26	NM	NM
Onsite	Black Creek Aquifer	PW-12	11/10/22	399500.45	2047063.51	109 to 119	150.61	60.96	89.65
Onsite	Black Creek Aquifer	PW-13	11/10/22	397584.26	2048029.18	120 to 130	149.36	37.67	111.69
Onsite	Black Creek Aquifer	PW-14	11/10/22	397325.65	2050766.36	136 to 146	147.97	NM	NM
Onsite	Black Creek Aquifer	PW-15R	11/10/22	398900.88	2051011.75	110 to 120	136.14	NM	NM
Onsite	Perched Zone	PZ-11	11/10/22	398646.25	2049820.94	15 to 20	151.03	12.65	138.38
Onsite	Perched Zone	PZ-12	11/10/22	399091.19	2048978.89	15.1 to 20.1	149.89	20.52	129.37
Onsite	Perched Zone	PZ-13	11/10/22	397707.82	2050985.25	7.1 to 12.1	148.14	12.84	135.30
Onsite	Perched Zone	PZ-14	11/10/22	397589.92	2050618.27	9 to 14	148.38	13.28	135.10
Onsite	Perched Zone	PZ-15	11/10/22	396806.39	2050107.50	10.2 to 15.2	147.76	14.53	133.23
Onsite	Perched Zone	PZ-19R	11/10/22	397998.66	2049919.52	16 to 21	150.05	15.29	134.76
Onsite	Perched Zone	PZ-20R	11/10/22	398185.81	2049784.60	15 to 20	151.29	16.51	134.78
Onsite	Perched Zone	PZ-21R	11/10/22	398445.16	2049883.13	17 to 22	150.67	15.36	135.31
Onsite	Black Creek Aquifer	PZ-22	11/10/22	397271.94	2052585.34	42.5 to 47.5	50.70	7.49	43.21
Onsite	Perched Zone	PZ-24	11/10/22	396117.94	2050744.07	11 to 16	147.53	14.92	132.61
Onsite	Perched Zone	PZ-26	11/10/22	396059.78	2050382.35	11 to 16	147.70	12.42	135.28
Onsite	Perched Zone	PZ-27	11/10/22	395922.11	2050376.76	12 to 17	147.17	14.41	132.76
Onsite	Perched Zone	PZ-28	11/10/22	396304.55	2049933.79	13 to 18	148.64	14.09	134.55
Onsite	Perched Zone	PZ-35	11/10/22	398232.64	2050020.49	13 to 18	150.43	14.99	135.44
Onsite	Surficial Aquifer	PZ-L	11/10/22	396745.80	2048684.01	13 to 28	147.86	30.04	117.82
Offsite	Black Creek Aquifer	ROBESON-1D	11/10/22	381416.28	2020158.93	42.75 to 52.75	156.36	18.04	138.32
Offsite	Surficial Aquifer	ROBESON-1S	11/10/22	381408.19	2020156.86	17 to 27	156.66	15.81	140.85
Onsite	Surficial Aquifer	SMW-01	11/10/22	395297.97	2043688.29	5 to 15	150.58	14.40	136.18

TABLE A4
GROUNDWATER ELEVATIONS - Q4 2022
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Perched Zone	SMW-02	11/10/22	399982.23	2050655.91	5 to 20	144.59	DRY	DRY
Onsite	Surficial Aquifer	SMW-02B	11/10/22	399983.75	2050654.77	43 to 53	147.93	DRY	DRY
Onsite	Black Creek Aquifer	SMW-03B	11/10/22	399785.75	2049421.54	72 to 82	150.43	61.78	88.65
Onsite	Perched Zone	SMW-04A	11/10/22	399668.71	2048387.57	19.5 to 34.5	148.09	DRY	DRY
Onsite	Surficial Aquifer	SMW-04B	11/10/22	399666.21	2048392.37	43 to 53	147.65	49.87	97.78
Onsite	Surficial Aquifer	SMW-06B	11/10/22	399144.74	2048764.94	58 to 68	150.32	51.83	98.49
Onsite	Perched Zone	SMW-07	11/10/22	398931.13	2048611.74	13 to 23	146.79	19.78	127.01
Onsite	Surficial Aquifer	SMW-08B	11/10/22	399058.33	2048478.84	58 to 68	148.81	45.16	103.65
Onsite	Surficial Aquifer	SMW-09	11/10/22	401076.89	2050017.41	52 to 62	141.43	60.31	81.12
Onsite	Surficial Aquifer	SMW-10	11/10/22	402307.31	2047923.84	39 to 49	76.26	29.74	46.52
Onsite	Surficial Aquifer	SMW-11	11/10/22	401996.15	2048975.38	13 to 23	71.95	15.12	56.83
Onsite	Black Creek Aquifer	SMW-12	11/10/22	401314.20	2051007.22	88 to 98	118.22	85.25	32.97

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 A5
GROUNDWATER MONITORING WELL SAMPLE COLLECTION AND WATER LEVEL MEASUREMENT SUMMARY
Chemours Fayetteville Works, North Carolina

Area	Water Bearing Unit[1]	Well ID	Adjacent Surface Water Feature	November 2022	
				Sample Collection Date	Synoptic Water Level Date
Onsite	Floodplain Deposits	LTW-01	Cape Fear River	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	LTW-02	Cape Fear River	11/17/2022	11/10/2022
Onsite	Floodplain Deposits	LTW-03	Cape Fear River	11/17/2022	11/10/2022
Onsite	Floodplain Deposits	LTW-04	Cape Fear River	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	LTW-05	Cape Fear River	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	OW-28	Cape Fear River	11/16/2022	11/10/2022
Onsite	Black Creek Aquifer	OW-33	Cape Fear River	11/16/2022	11/10/2022
Onsite	Surficial Aquifer	PIW-1D	Cape Fear River / Willis Creek	11/18/2022	11/10/2022
Onsite	Floodplain Deposits	PIW-1S	Cape Fear River / Willis Creek	--[2]	11/10/2022
Onsite	Black Creek Aquifer	PIW-3D	Cape Fear River	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	PIW-7D	Cape Fear River	11/16/2022	11/10/2022
Onsite	Floodplain Deposits	PIW-7S	Cape Fear River	11/17/2022	11/10/2022
Onsite	Surficial Aquifer	PW-04	Old Outfall	11/21/2022	11/10/2022
Onsite	Surficial Aquifer	PW-06	Georgia Branch Creek	11/15/2022	11/10/2022
Onsite	Surficial Aquifer	PW-07	Georgia Branch Creek	--[2]	11/10/2022
Onsite	Black Creek Aquifer	PW-09	Willis Creek	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	PW-11	Old Outfall	--[2]	11/10/2022
Onsite	Black Creek Aquifer	PZ-22	Cape Fear River	11/17/2022	11/10/2022
Onsite	Black Creek Aquifer	SMW-10	Willis Creek	11/16/2022	11/10/2022
Onsite	Surficial Aquifer	SMW-11	Willis Creek	11/16/2022	11/10/2022
Onsite	Black Creek Aquifer	SMW-12	Willis Creek	11/15/2022	11/10/2022

Notes:
1 - Water Bearing Unit - refers to the primary aquifer unit where the well screen is estimated to be located.
2 - PIW-1S, PW-07 and PW-11 were dry during Q4 sampling event and could not be sampled.
-- - Sample not collected

TABLE A6
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	Time	pH (S.U.)	Specific Conductance (µS/cm)	Turbidity (NTU)	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)
BLADEN-1D	11/15/22	12:35	5.5	5619	0	18.1	1.60	155
LTW-01	11/17/22	10:03	4.1	131	12.84	16.7	0.32	137
OW-28	11/16/22	12:00	4.5	48	0.61	17.6	0.07	--
OW-33	11/16/22	10:05	4.6	56	11.84	17.6	0.10	-43
LTW-02	11/17/22	08:49	5.37	76.02	2.62	16.38	0.03	-26.3
LTW-03	11/17/22	13:00	4.7	108	5.72	17.2	0.08	127
LTW-04	11/17/22	15:14	4.9	84	13	14.2	0.25	194
LTW-05	11/17/22	7:46	4.5	106	0	14.7	0.32	60
PIW-1D	11/18/22	11:01	3.7	111	1.77	16.9	0.09	358
PIW-1S[1]	11/15/22	12:03	--	--	--	--	--	--
PIW-3D	11/17/22	10:50	4.7	80	1.5	16.2	0.06	-6.3
PIW-7D	11/16/22	15:11	4.2	102	0.14	17.2	0	95
PIW-7S	11/17/22	9:32	5.5	138	0.4	16.1	0.15	-37
PW-04	11/15/22	10:45	4.2	1447	56.5	16.1	1.02	170.7
PW-06	11/15/22	13:13	4.3	62	0	17.9	5.51	258
PW-07[1]	11/15/23	12:50	--	--	--	--	--	--
PW-09	11/17/22	12:41	7.0	69	57.9	16.8	0.52	-149.3
PZ-22	11/17/22	10:33	4.6	103	0.0	14.9	0.22	130
SMW-10	11/16/22	15:00	5.4	81	0.77	17.3	0.67	81
SMW-11	11/16/22	10:04	4.2	51	0	17.0	4.70	182
SMW-12	11/15/22	15:25	3.7	290	2	16.9	1.59	12

Notes:

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

°C - degrees Celsius

mg/L - milligrams per liter

µS/cm - microsiemens per centimeter

mV- millivolts ; NTU - nephelometric Turbidity Unit

S.U. - Standard Units

-- - not measured

TABLE A7
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
CFR-BLADEN	11/09/22	8.7	7.7	53.0	17.8	872	17.2
CFR-RM-76	11/08/22	7.5	1.9	87.8	5.9	2353	19.9
CFR-KINGS	11/14/22	8.5	0.1	8.7	19.4	7	20.2
CFR-TARHEEL	11/10/22	8.3	8.1	0.40	7.9	102	17.6
GBC-1	11/09/22	6.1	6.4	179.0	3.1	5491	18.3
LOCK-DAM-NORTH	11/09/22	6.4	4.6	195.1	100.6	860.9	20.0
LOCK-DAM-SEEP	11/09/22	7.5	1.9	87.8	5.9	2353	19.9
OLDOF-1	11/09/22	7.6	8.0	52.2	1.3	218	20.2
OUTFALL 002	11/09/22	8.1	9.1	39.9	9.1	183	22.8
INTAKE AT FACILITY	11/09/22	8.3	6.1	12.6	9.9	200	21.4
SEEP-A-EFF	11/09/22	7.5	5.2	1.8	0.2	194	19.1
SEEP-B-EFF	11/09/22	7.6	4.0	32.3	0.1	128	21.0
SEEP-C-EFF	11/09/22	8.1	3.6	32.6	0.5	128	21.0
SEEP-D-EFF	11/09/22	7.1	3.2	54.1	4.0	168	22.5
WC-1	11/09/22	8.0	7.8	-7.1	11.0	276	18.6

Notes:
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
S.U. - Standard Units

TABLE A8
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL
Field Sample ID	CAP4Q22-CFR-BLADEN-110922	CAP4Q22-CFR-KINGS-111422	CAP4Q22-CFR-RM-76-110822	CAP4Q22-CFR-TARHEEL-110922
Sample Date	11/09/22	11/14/22	11/08/22	11/09/22
QA/QC				
Sample Matrix	LIQUID	Liquid	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94320-1	320-94574-1	320-94320-1	320-94321-1
Lab Sample ID	320-94320-4	320-94574-1	320-94320-3	320-94321-3
Table 3+ SOP (ng/L)				
HFPO-DA	**8.5**	**7.6**	<2.0	**9.3**
PFMOAA	**21**	<2.0	<2.0	**29**
PFO2HxA	**14**	**6.7**	<2.0	**18**
PFO3OA	**3.2**	<2.0	<2.0	**4.2**
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**11**	<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	**5.1 J**	<2.0	<2.0	**5.9 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**4.9**	**2.7**	**5.0**	**4.6**
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	**4.8**	**7.1**	**4.5**	**4.7**
Total Attachment C[1,2]	**58**	**14**	**ND**	**61**
Total Table 3+ (17 compounds)[2,3]	**63**	**17**	**5**	**65.0**
Total Table 3+ (20 compounds)[2]	**68**	**17**	**5**	**71.0**

TABLE A8
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	GBC-1	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP4Q22-CFR-TARHEEL-24-111022	CAP4Q22-GBC-1-110822	CAP4Q22-LOCK-DAM-NORTH-110822	CAP4Q22-LOCK-DAM-SEEP-110822
Sample Date	11/10/22	11/08/22	11/08/22	11/08/22
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94321-1	320-94320-1	320-94320-1	320-94320-1
Lab Sample ID	320-94321-1	320-94320-2	320-94320-5	320-94320-1
Table 3+ SOP (ng/L)				
HFPO-DA	**9.0**	**460**	**3,700**	**10,000**
PFMOAA	**31**	**77**	**5,300**	**89,000**
PFO2HxA	**16**	**370**	**3,900**	**33,000**
PFO3OA	**3.6**	**53**	**640**	**19,000**
PFO4DA	<2.0	**14**	**170**	**3,400**
PFO5DA	<2.0	<2.0	**20**	**190**
PMPA	**13**	**630**	**3,400**	**8,100**
PEPA	<20	**200**	**1,200**	**2,600**
PS Acid	<2.0	<2.0	<2.0	<9.8
Hydro-PS Acid	<2.0	**16**	**84**	**210**
R-PSDA	<2.0	**25 J**	**230 J**	**870 J**
Hydrolyzed PSDA	**6.3 J**	<2.0	**4.7 J**	**660 J**
R-PSDCA	<2.0	<2.0	<2.0	**13**
NVHOS	**5.1**	**3.7**	**64**	**1,300**
EVE Acid	<2.0	<2.0	<2.0	<8.7
Hydro-EVE Acid	<2.0	<2.0	**15**	**220**
R-EVE	<2.0	**8.6 J**	**120 J**	**250 J**
PES	<2.0	<2.0	<2.0	<3.4
PFECA B	<2.0	<2.0	<2.7	<13
PFECA-G	<2.0	<2.0	<4.8	<24
Perfluoroheptanoic Acid	**4.3**	**2.0**	**8.9**	**100**
Total Attachment C[1,2]	**73**	**1,800**	**18,000**	**170,000**
Total Table 3+ (17 compounds)[2,3]	**78**	**1,800**	**18,000**	**170,000**
Total Table 3+ (20 compounds)[2]	**84**	**1,900**	**19,000**	**170,000**

TABLE A8
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	OLDOF-1	OUTFALL 002	River Water Intake 2	SEEP-A-EFF
Field Sample ID	CAP4Q22-OLDOF-1-24-110922	CAP4Q22-OUTFALL-002-24-110922	RIVER-WATER-INTAKE2-24-110922	CAP4Q22-SEEP-A-EFF-24-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94320-1	320-94320-1
Lab Sample ID	320-94319-5	320-94319-4	320-94320-6	320-94320-7
Table 3+ SOP (ng/L)				
HFPO-DA	**280**	**18**	**6.7**	**3.6**
PFMOAA	**780**	**12**	**4.3**	**25**
PFO2HxA	**430**	**15**	**7.8**	**8.1**
PFO3OA	**140**	**5.7**	<2.0	<2.0
PFO4DA	**65**	**2.2**	<2.0	<2.0
PFO5DA	**24**	<2.0	<2.0	<2.0
PMPA	**150**	**21**	<10	<10
PEPA	**58**	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**9.6**	<2.0	<2.0	<2.0
R-PSDA	**8.8 J**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**14 J**	**13 J**	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**15**	**6.0**	**4.1**	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**5.8**	<2.0	<2.0	<2.0
R-EVE	**3.6 J**	<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	**4.3**	**4.4**	<2.0
Total Attachment C[1,2]	**1,900**	**74**	**19**	**37**
Total Table 3+ (17 compounds)[2,3]	**2,000**	**80**	**23**	**37**
Total Table 3+ (20 compounds)[2]	**2,000**	**93**	**23**	**37**

TABLE A8
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF	SEEP-D-EFF
Field Sample ID	CAP4Q22-SEEP-A-EFF-24-110922-D	CAP4Q22-SEEP-B-EFF-24-110922	CAP4Q22-SEEP-C-EFF-23-110922	CAP4Q22-SEEP-D-EFF-24-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC	Field Duplicate			
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94320-1	320-94321-1	320-94319-1	320-94319-1
Lab Sample ID	320-94320-8	320-94321-2	320-94319-2	320-94319-3
Table 3+ SOP (ng/L)				
HFPO-DA	**3.7**	**8.7**	**11**	<2.0
PFMOAA	**27**	**470**	**90**	**9.0**
PFO2HxA	**8.3**	**36**	**31**	**2.1**
PFO3OA	<2.0	**2.4**	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**64**	**16**	<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	**7.5 J**	**2.8 J**	<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]	**39**	**580**	**150**	**11**
Total Table 3+ (17 compounds)[2,3]	**39**	**580**	**150**	**11**
Total Table 3+ (20 compounds)[2]	**39**	**590**	**150**	**11**

TABLE A8
SEEP AND SURFACE WATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	WC-1	EB	EB	FBLK
Field Sample ID	CAP4Q22-WC-1-24-110922	CAP4Q22-EQBLK-IS-110922	CAP4Q22-EQBLK-PP-110922	CAP4Q22-FB-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC		Equipment Blank	Equipment Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94319-1	320-94319-1
Lab Sample ID	320-94319-1	320-94319-9	320-94319-8	320-94319-10
Table 3+ SOP (ng/L)				
HFPO-DA	**580**	<2.0	<2.0	<2.0
PFMOAA	**1,900**	<2.0	<2.0	<2.0
PFO2HxA	**960**	<2.0	<2.0	<2.0
PFO3OA	**160**	<2.0	<2.0	<2.0
PFO4DA	**29**	<2.0	<2.0	<2.0
PFO5DA	<7.8	<2.0	<2.0	<2.0
PMPA	**790**	<10	<10	<10
PEPA	**200**	<20	<20	<20
PS Acid	**2.6**	<2.0	<2.0	<2.0
Hydro-PS Acid	**14**	<2.0	<2.0	<2.0
R-PSDA	**36 J**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**230 J**	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**30**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**13**	<2.0	<2.0	<2.0
R-EVE	**16 J**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.7	<2.0	<2.0	<2.0
PFECA-G	<4.8	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.9**	<2.0	<2.0	<2.0
Total Attachment C[1,2]	**4,600**	ND	ND	ND
Total Table 3+ (17 compounds)[2,3]	**4,700**	ND	ND	ND
Total Table 3+ (20 compounds)[2]	**5,000**	ND	ND	ND

Notes:

B - analyte detected in an associated blank

Bold - Analyte detected above associated reporting limit

EPA - Environmental Protection Agency

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

-- - Data not available

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

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

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

TABLE A9
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-1D**	**LTW-01**	**LTW-02**	**LTW-03**
Field Sample ID	**CAP4Q22-BLADEN-1D-111522**	**CAP4Q22-LTW-01-111722**	**CAP4Q22-LTW-02-111722**	**CAP4Q22-LTW-03-111722**
Sample Date	**11/15/2022**	**11/17/2022**	**11/17/2022**	**11/17/2022**
QA/QC				
Sample Delivery Group (SDG)	**320-94566-1**	**320-94566-1**	**320-94566-1**	**320-94566-1**
Lab Sample ID	**320-94566-10**	**320-94566-2**	**320-94566-3**	**320-94566-8**
Table 3+ SOP (ng/L)				
HFPO-DA	**200**	**20,000**	**5,000**	**12,000**
PFMOAA	<2.0	**19,000**	**9,700**	**89,000**
PFO2HxA	**91**	**25,000**	**6,100**	**29,000**
PFO3OA	**8.2**	**4,800**	**1,100**	**4,000**
PFO4DA	<2.0	**1,300**	**110**	**170**
PFO5DA	<2.0	**78**	<78	<78
PMPA	**160**	**14,000**	**2,100**	**8,100**
PEPA	**74**	**4,500**	**540**	**1,800**
PS Acid	<2.0	<20	<20	<20
Hydro-PS Acid	<2.0	**240**	**10**	**20**
R-PSDA	**2.0 J**	**660 J**	**110 J**	**470 J**
Hydrolyzed PSDA	<2.0	**420 J**	**240 J**	**2,900 J**
R-PSDCA	<2.0	<17	<17	<17
NVHOS	<2.0	**360**	**180**	**820**
EVE Acid	<2.0	<17	<17	<17
Hydro-EVE Acid	<2.0	**110**	<14	**42**
R-EVE	<2.0	**350 J**	**100 J**	**230 J**
PES	<2.0	<6.7	<6.7	<6.7
PFECA B	<2.0	<27	<27	<27
PFECA-G	<2.0	<48	<48	<48
Perfluoroheptanoic Acid	<2.0	**50**	**6.9**	**24**
Total Attachment C[2,3]	**530**	**89,000**	**25,000**	**140,000**
Total Table 3+ (17 compounds)[3,4]	**530**	**89,000**	**25,000**	**140,000**
Total Table 3+ (20 compounds)[3]	**540**	**91,000**	**25,000**	**150,000**

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-04	LTW-05	OW-28	OW-33
Field Sample ID	CAP4Q22-LTW-04-111722	CAP4Q22-LTW-05-111722	CAP4Q22-OW-28-111622	CAP4Q22-OW-33-111622
Sample Date	11/17/2022	11/17/2022	11/16/2022	11/16/2022
QA/QC				
Sample Delivery Group (SDG)	320-94565-1	320-94566-1	320-94563-1	320-94563-1
Lab Sample ID	320-94565-5	320-94566-6	320-94563-5	320-94563-3
Table 3+ SOP (ng/L)				
HFPO-DA	**23,000**	**16,000**	**6,500**	**4,600**
PFMOAA	**59,000**	**130,000**	**2,000**	**6,500**
PFO2HxA	**27,000**	**41,000**	**3,300**	**3,600**
PFO3OA	**4,100**	**7,800**	**520**	**440**
PFO4DA	**560**	**2,100**	**110**	<59
PFO5DA	<78	<78	<78	<78
PMPA	**15,000**	**3,500**	**5,200**	**3,200**
PEPA	**5,400**	**500**	**1,900**	**1,100**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**170**	**150**	**79**	<6.1
R-PSDA	**1,500 J**	**460 J**	<71	**190 J**
Hydrolyzed PSDA	**3,000 J**	**720 J**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**1,300**	**1,000**	**74**	**130**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**430**	**580**	<14	<14
R-EVE	**1,300 J**	**460 J**	<72	**76 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**64**	**220**	**7.9**	**5.4**
Total Attachment C[2,3]	**130,000**	**200,000**	**20,000**	**19,000**
Total Table 3+ (17 compounds)[3,4]	**140,000**	**200,000**	**20,000**	**20,000**
Total Table 3+ (20 compounds)[3]	**140,000**	**200,000**	**20,000**	**20,000**

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	PIW-1D	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP4Q22-PIW-01D-111822	CAP4Q22-PIW-3D-111722	CAP4Q22-PIW-7D-111622	CAP4Q22-PIW-7S-111722
Sample Date	11/18/2022	11/17/2022	11/16/2022	11/17/2022
QA/QC				
Sample Delivery Group (SDG)	320-94672-1	320-94566-1	320-94563-1	320-94566-1
Lab Sample ID	320-94672-2	320-94566-7	320-94563-4	320-94566-4
Table 3+ SOP (ng/L)				
HFPO-DA	**11,000**	**12,000**	**24,000**	**26,000**
PFMOAA	**9,800**	**5,500**	**170,000**	**16,000**
PFO2HxA	**9,100**	**8,900**	**58,000**	**15,000**
PFO3OA	**1,300**	**1,300**	**8,500**	**4,500**
PFO4DA	**410**	**750**	**1,700**	**640**
PFO5DA	<78 UJ	<78	<78	<78
PMPA	**6,600**	**6,200**	**5,500**	**9,700**
PEPA	**2,000**	**2,000**	**1,100**	**3,700**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**86**	**140**	**190**	**300**
R-PSDA	**240 J**	**370 J**	**720 J**	**200 J**
Hydrolyzed PSDA	<38	<38	**1,300 J**	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**180**	**170**	**1,400**	**810**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**21**	**42**	**550**	**550**
R-EVE	**130 J**	**140 J**	**760 J**	**700 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**18**	**29**	**160**	**87**
Total Attachment C[2,3]	**40,000**	**37,000**	**270,000**	**76,000**
Total Table 3+ (17 compounds)[3,4]	**40,000**	**37,000**	**270,000**	**77,000**
Total Table 3+ (20 compounds)[3]	**41,000**	**38,000**	**270,000**	**78,000**

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	**PW-04**	**PW-06**	**PW-09**	**PW-09**
Field Sample ID	**CAP4Q22-PW-04-112122**	**CAP4Q22-PW-06-111522**	**CAP4Q22-PW-09-111722**	**CAP4Q22-PW-09-111722-Z**
Sample Date	**11/21/2022**	**11/15/2022**	**11/17/2022**	**11/17/2022**
QA/QC				
Sample Delivery Group (SDG)	**320-94672-1**	**320-94566-1**	**320-94563-1**	**320-94563-1**
Lab Sample ID	**320-94672-1**	**320-94566-9**	**320-94563-1**	**320-94563-2**
Table 3+ SOP (ng/L)				
HFPO-DA	**670**	**2,200**	<81	<81
PFMOAA	<80	<80	<80	<80
PFO2HxA	**600**	**920**	<27	<27
PFO3OA	**230**	**110**	<39	<39
PFO4DA	<59	**90**	<59	<59
PFO5DA	<78	<78	<78	<78
PMPA	**970**	**1,400**	<620	<620
PEPA	**210**	**360**	<20	<20
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	<6.1	**32**	<6.1	<6.1
R-PSDA	<71	<71	<71	<71
Hydrolyzed PSDA	<38	**57 J**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**75**	**74**	**56**	**38**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	<14	<14	<14	<14
R-EVE	<72	<72	<72	<72
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**6.2**	**7.4**	<2.0	<2.0
Total Attachment C[2,3]	**2,700**	**5,100**	ND	ND
Total Table 3+ (17 compounds)[3,4]	**2,800**	**5,200**	**56**	**38**
Total Table 3+ (20 compounds)[3]	**2,800**	**5,200**	**56**	**38**

TABLE A9
GROUNDWATER 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
Field Sample ID	CAP4Q22-PZ-22-111722	CAP4Q22-SMW-10-111622	CAP4Q22-SMW-11-111622	CAP4Q22-SMW-12-111522
Sample Date	11/17/2022	11/16/2022	11/16/2022	11/15/2022
QA/QC				
Sample Delivery Group (SDG)	320-94566-1	320-94563-1	320-94563-1	320-94563-1
Lab Sample ID	320-94566-5	320-94563-6	320-94563-7	320-94563-8
Table 3+ SOP (ng/L)				
HFPO-DA	**13,000**	**4.6**	**6,400**	**1,800**
PFMOAA	**120,000**	**48**	**4,500**	**3,600 J**
PFO2HxA	**36,000**	**9.9**	**3,400**	**1,700 J**
PFO3OA	**3,100**	<2.0	**480**	**82 J**
PFO4DA	**80**	<2.0	**300**	<59
PFO5DA	<78	<2.0	<78	<78 UJ
PMPA	**3,700**	<10	**2,100**	**2,100 J**
PEPA	**800**	<20	**630**	**430 J**
PS Acid	<20	<2.0	<20	<20
Hydro-PS Acid	<6.1	<2.0	**56**	<6.1
R-PSDA	**300 J**	<2.0	**71 J**	**77 J**
Hydrolyzed PSDA	**470 J**	<2.0	<38	<38
R-PSDCA	<17	<2.0	<17	<17
NVHOS	**850**	<2.0	**110**	**92**
EVE Acid	<17	<2.0	<17	<17
Hydro-EVE Acid	**26**	<2.0	<14	<14
R-EVE	**230 J**	<2.0	<72	**76 J**
PES	<6.7	<2.0	<6.7	<6.7
PFECA B	<27	<2.0	<27	<27
PFECA-G	<48	<2.0	<48	<48
Perfluoroheptanoic Acid	**17**	<2.0	**18**	<2.0
Total Attachment C[2,3]	**180,000**	**63**	**18,000**	**9,700**
Total Table 3+ (17 compounds)[3,4]	**180,000**	**63**	**18,000**	**9,800**
Total Table 3+ (20 compounds)[3]	**180,000**	**63**	**18,000**	**10,000**

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	--	--	--
Location ID	SMW-12	EB	EB	EB
Field Sample ID	CAP4Q22-SMW-12-111522-D	CAP4Q22-EQBLK-BR-111822	CAP4Q22-EQBLK-BR-111822-Z	CAP4Q22-EQBLK-DV-111822
Sample Date	11/15/2022	11/18/2022	11/18/2022	11/18/2022
QA/QC	Field Duplicate	Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-94566-1	320-94565-1	320-94565-1	320-94565-1
Lab Sample ID	320-94566-1	320-94565-8	320-94565-9	320-94565-7
Table 3+ SOP (ng/L)				
HFPO-DA	**1,700**	<2.0	<2.0	<2.0
PFMOAA	**2,400 J**	<2.0	<2.0	<2.0
PFO2HxA	**1,200 J**	<2.0	<2.0	<2.0
PFO3OA	**76**	<2.0	<2.0	<2.0
PFO4DA	<59	<2.0	<2.0	<2.0
PFO5DA	<78	<2.0	<2.0	<2.0
PMPA	**1,800**	<10	<10	<10
PEPA	**280 J**	<20	<20	<20
PS Acid	<20	<2.0	<2.0	<2.0
Hydro-PS Acid	<6.1	<2.0	<2.0	<2.0
R-PSDA	<71	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<38	<2.0	<2.0	<2.0
R-PSDCA	<17	<2.0	<2.0	<2.0
NVHOS	**79**	<2.0	<2.0	<2.0
EVE Acid	<17	<2.0	<2.0	<2.0
Hydro-EVE Acid	<14	<2.0	<2.0	<2.0
R-EVE	<72	<2.0	<2.0	<2.0
PES	<6.7	<2.0	<2.0	<2.0
PFECA B	<27	<2.0	<2.0	<2.0
PFECA-G	<48	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0
Total Attachment C[2,3]	**7,500**	ND	ND	ND
Total Table 3+ (17 compounds)[3,4]	**7,500**	ND	ND	ND
Total Table 3+ (20 compounds)[3]	**7,500**	ND	ND	ND

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**--**	**--**	**--**	**--**
Location ID	**EB**	**EB**	**EB**	**FBLK**
Field Sample ID	**CAP4Q22-EQBLK-DV-111822-Z**	**CAP4Q22-EQBLK-PP-111822**	**CAP4Q22-EQBLK-PP-111822-Z**	**CAP4Q22-FB-111822**
Sample Date	**11/18/2022**	**11/18/2022**	**11/18/2022**	**11/18/2022**
QA/QC	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**	**Field Blank**
Sample Delivery Group (SDG)	**320-94565-1**	**320-94565-1**	**320-94565-1**	**320-94565-1**
Lab Sample ID	**320-94565-6**	**320-94565-3**	**320-94565-4**	**320-94565-1**
Table 3+ SOP (ng/L)				
HFPO-DA	<2.0	<2.0	<2.0	<2.0
PFMOAA	<2.0	<2.0	<2.0	<2.0
PFO2HxA	<2.0	<2.0	<2.0	<2.0
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[2,3]	ND	ND	ND	ND
Total Table 3+ (17 compounds)[3,4]	ND	ND	ND	ND
Total Table 3+ (20 compounds)[3]	ND	ND	ND	ND

TABLE A9
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**--**
Location ID	**FBLK**
Field Sample ID	**CAP4Q22-FB-111822-Z**
Sample Date	**11/18/2022**
QA/QC	**Field Blank**
Sample Delivery Group (SDG)	**320-94565-1**
Lab Sample ID	**320-94565-2**
Table 3+ SOP (ng/L)	
HFPO-DA	<2.0
PFMOAA	<2.0
PFO2HxA	<2.0
PFO3OA	<2.0
PFO4DA	<2.0
PFO5DA	<2.0
PMPA	<10
PEPA	<20
PS Acid	<2.0
Hydro-PS Acid	<2.0
R-PSDA	<2.0
Hydrolyzed PSDA	<2.0
R-PSDCA	<2.0
NVHOS	<2.0
EVE Acid	<2.0
Hydro-EVE Acid	<2.0
R-EVE	<2.0
PES	<2.0
PFECA B	<2.0
PFECA-G	<2.0
Perfluoroheptanoic Acid	<2.0
Total Attachment C[2,3]	ND
Total Table 3+ (17 compounds)[3,4]	ND
Total Table 3+ (20 compounds)[3]	ND

Notes:
Bold - Analyte detected above associated reporting limit
B - analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ND - no Table 3+ analytes were detected above the associated reporting limits
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SDG - Sample Delivery Group
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
"-Z" in Sample ID denotes field filtration
< - Analyte not detected above associated reporting limit.
-- - not applicable
1 - Refers to the primary aquifer unit that the well screen is estimated to be screened within
2 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
3 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant
4 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - PIW-1S was not sampled because the well was dry.

TABLE A10-1
SUMMARY OF TOTAL PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES
Chemours Fayetteville Works, North Carolina

Pathway	Pathway Name	Total Flow Volume on Sample Date (MG)[1]	Total Attachment C[2]		Total Table 3+ (17 compounds)[3]		Total Table 3+ (20 compounds)	
			Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)
1	Upstream River Water and Groundwater[4]	629	0	0	5	0.14	5	0.14
2	Willis Creek	2.2	4,600	0.44	4,700	0.45	5,000	0.48
3	Aerial Deposition on Water Features	--	--	5.5E-03	--	5.5E-03	--	5.7E-03
4	Outfall 002[5]	11.2	55	0.03	57	0.03	70	0.03
4A	Stormwater Treatment System[6]	0.07	110,000	0.34	110,000	0.34	110,000	0.34
5	Onsite Groundwater (Lower Bound)[7]	--	--	1.48	--	1.49	--	1.49
	Onsite Groundwater (Upper Bound)[7]	--	--	1.74	--	1.75	--	1.75
6A	Seep A[8]	0.11	170,000	0.84	170,000	0.84	190,000	0.94
6B	Seep B[8]	0.09	350,000	1.37	350,000	1.37	390,000	1.53
6C	Seep C[8]	0.06	150,000	0.39	160,000	0.42	160,000	0.42
6D	Seep D[8]	0.16	76,000	0.53	77,000	0.53	79,000	0.55
6E	Lock and Dam Seep	4.3E-03	170,000	0.03	170,000	0.03	170,000	0.03
6F	Lock and Dam Seep North	4.0E-04	18000	3.1E-04	18000	3.1E-04	19000	3.3E-04
7	Old Outfall 002[8]	0.43	48,000	0.91	48,000	0.91	48,000	0.91
8	Offsite Adjacent and Downstream Groundwater	--	--	0	--	0	--	0
9	Georgia Branch Creek	1.23	1,800	0.10	1,800	0.10	1,900	0.10
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Lower Bound)				**6.46**		**6.70**		**7.02**
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Upper Bound)				**6.72**		**6.96**		**7.28**

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, Old Outfall 002, 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 Perfluorohepthanoic acid (PFHpA).

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

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 - Mass Discharge for Onsite Groundwater was determined using calculations described in Attachment ATT3. The lower and upper bounds on the mass discharge were calculated using two different contour elevation differences in the vicinity of the river frontage: a ten-foot elevation difference (between the 40 and 50 ft contours) and a twenty-foot elevation difference (between the 40 and 60 ft contours) as described in Attachment ATT3.

8 - For Novemer 2022, the concentrations from the influent samples collected at the Old Outfall 002 treatment system and Seep A, B, C and D flow-through cell were used to calculate the Before Remedy mass discharge for these pathways.

TABLE A10-2
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 C[2]		Total Table 3+ (17 compounds)[3]		Total Table 3+ (20 compounds)	
			Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)	Concentration (ng/L)	Mass Loading (mg/s)
1	Upstream River Water and Groundwater[4]	629	0	0	5	0.14	5	0.14
2	Willis Creek	2.2	4,600	0.44	4,700	0.45	5,000	0.48
3	Aerial Deposition on Water Features	--	--	0.01	--	0.01	--	0.01
4	Outfall 002[5]	11.2	55	0.03	57	0.03	70	0.03
4A	Stormwater Treatment System[6]	0.07	0	0	0	0	0	0
5	Onsite Groundwater (Lower Bound)[7]	--	--	1.48	--	1.49	--	1.49
	Onsite Groundwater (Upper Bound)[7]	--	--	1.74	--	1.75	--	1.75
6A	Seep A[8]	0.11	37	1.8E-04	37	1.8E-04	37	1.8E-04
6B	Seep B[8]	0.09	580	2.3E-03	580	2.3E-03	590	2.3E-03
6C	Seep C[8]	0.06	150	3.9E-04	150	3.9E-04	150	3.9E-04
6D	Seep D[8]	0.16	11.0	7.6E-05	11.0	7.6E-05	11.0	7.6E-05
6E	Lock and Dam Seep	4.3E-03	170,000	0.03	170,000	0.03	170,000	0.03
6F	Lock and Dam Seep North	4.0E-04	18000	3.1E-04	18000	3.1E-04	19000	3.3E-04
7	Old Outfall 002[8]	0.43	1,900	0.04	2,000	0.04	2,000	0.04
8	Offsite Adjacent and Downstream Groundwater	--	--	0	--	0.05	--	0.05
9	Georgia Branch Creek	1.23	1,800	0.10	1,800	0.10	1,900	0.10
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Lower Bound)				**2.12**		**2.33**		**2.38**
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Upper Bound)				**2.39**		**2.60**		**2.64**

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, Old Outfall 002, 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 Perfluorohepthanoic acid (PFHpA).

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

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 - Mass Discharge for Onsite Groundwater was determined using calculations described in Attachment ATT3. The lower and upper bounds on the mass discharge were calculated using two different contour elevation differences in the vicinity of the river frontage: a ten-foot elevation difference (between the 40 and 50 ft contours) and a twenty-foot elevation difference (between the 40 and 60 ft contours) as described in Attachment ATT3.

8 - For November 2022, the concentrations from the Old Outfall 002 sample collected downgradient from the 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.

TABLE A11
CAPE FEAR RIVER TOTAL TABLE 3+ (17 COMPOUNDS) RELATIVE MASS DISCHARGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	November 2022	
	Lower	Upper
[1] Upstream River Water and Groundwater	2%	2%
[2] Willis Creek	7%	7%
[3] Aerial Deposition on Water Features	<1%	<1%
[4] Outfall 002	6%	5%
Outfall 002 (After Remedies) [2]	*<1%*	*<1%*
[5] Onsite Groundwater	22%	25%
[6] Seeps	48%	46%
Seeps (After Remedies) [3]	*1%*	*1%*
[7] Old Outfall 002	14%	13%
Old Outfall 002 (After Remedies) [4]	*1%*	*1%*
[8] Offsite Adjacent and Downstream Groundwater	1%	1%
[9] Georgia Branch Creek	1%	1%

Notes:

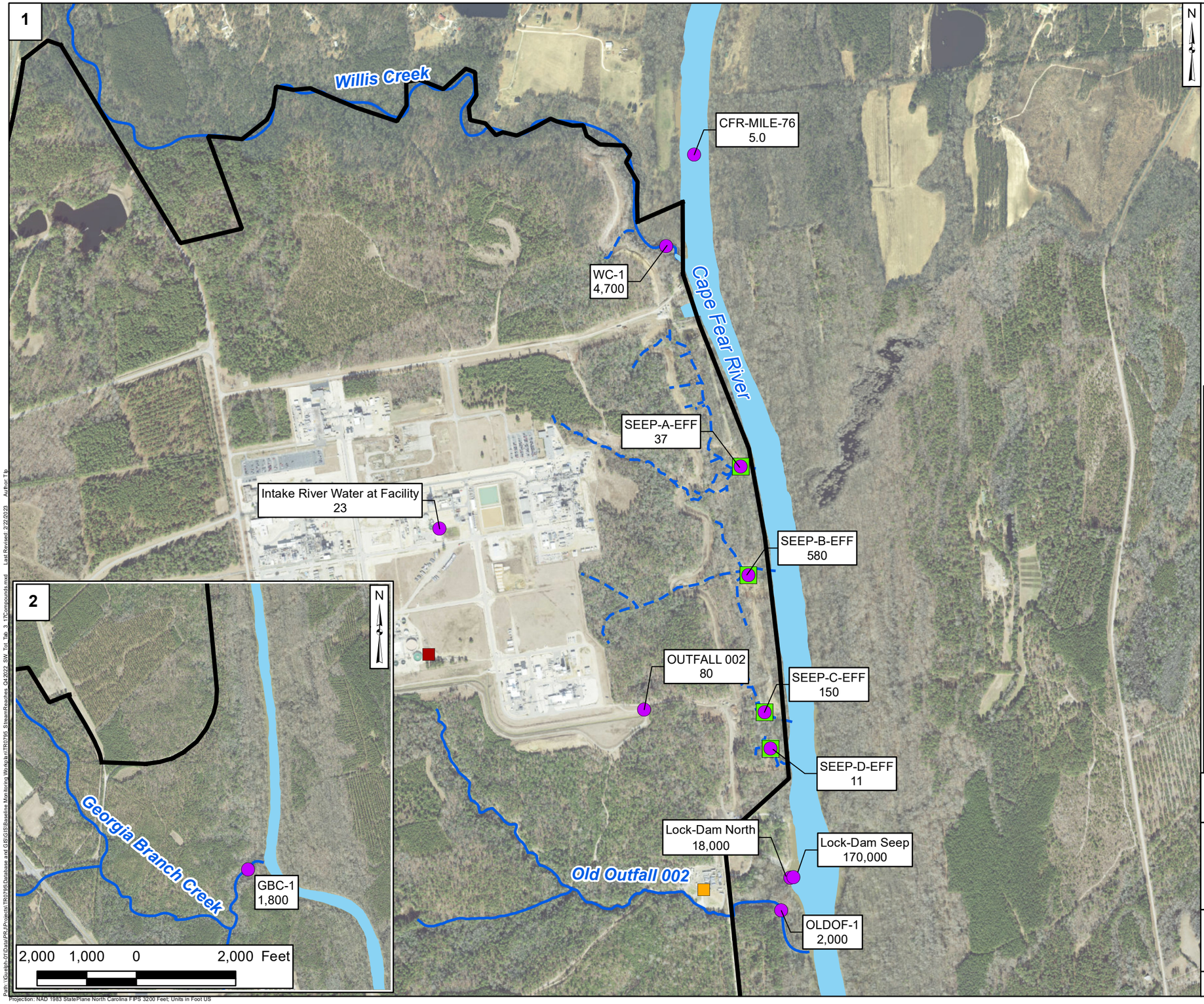
< - less than indicated value.

1 - Relative contributions were calculated using the before remedies Total Table 3+ (17 compounds) model-estimated mass discharges (Table A10-1). These relative contributions are presented as a range, which represents the upper and lower bound model estimates. Relative contributions for Total Attachment C and Total Table 3+ (20 compounds) are provided in Attachment ATT1-11.

2 - The Outfall 002 (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharge at the Stormwater Treatment System (Tables A10-2). The Stormwater Treatment System captures stormwater flows in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events.

3 - The Seeps (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D, Lock and Dam Seep (Tables A10-2).

4 - The Old Outfall 002 (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables A10-2).



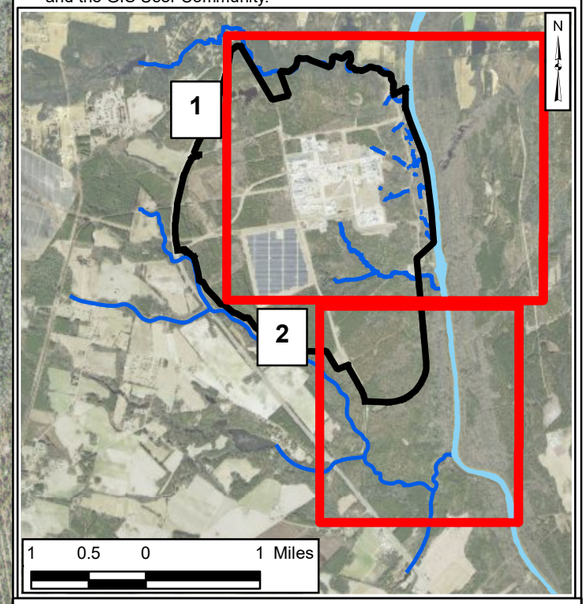
Legend

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

OUTFALL 002 / 80 — Location Name; Total Table 3+ Concentration (ng/L)

Notes:
NS - not sampled

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



1,000 500 0 1,000 Feet

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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Figure **A1**

Path: \\Geleigh-01\Data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Work\mxd\TR0795 StreamReaches Q4 2022 SW Tot Tab 3 17Compounds.mxd Last Revised: 2/22/2023 Author: Tp

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

1

CFR-MILE-76
5.0

CFR-BLADEN
63

CFR-TARHEEL*
65/78

2 - Downstream

CFR-KINGS
17

1 0.5 0 1 Miles

N

Legend

Sample Location

Cape Fear River

Site Boundary

CFR-BLADEN
63

Location Name

Total Table 3+
Concentration (ng/L)

Notes:

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

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

1

2

25 12.5 0 25 Miles

2 1 0 2 Miles

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh

March 2023

Figure

A2

Path: \\Gwlnh-01\Data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_RiverSamples_Q42022_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 3/15/2023 Author: DKahkYu

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

1

CFR-MILE-76
<2

CFR-BLADEN
8.5

CFR-TARHEEL*
9.3/9.0

2 - Downstream

CFR-KINGS
7.6

1 0.5 0 1 Miles

N

Legend

Sample Location

Cape Fear River

Site Boundary

CFR-BLADEN
8.5

Location Name
HFPO-DA
Concentration (ng/L)

Notes:
* - Multiple results are shown at CFR-TARHEEL for grab and composite samples.
< - Analyte not detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
U - Analyte not detected.
1. All results are in nanograms per liter.
2. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1

2

25 12.5 0 25 Miles

2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations
November 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

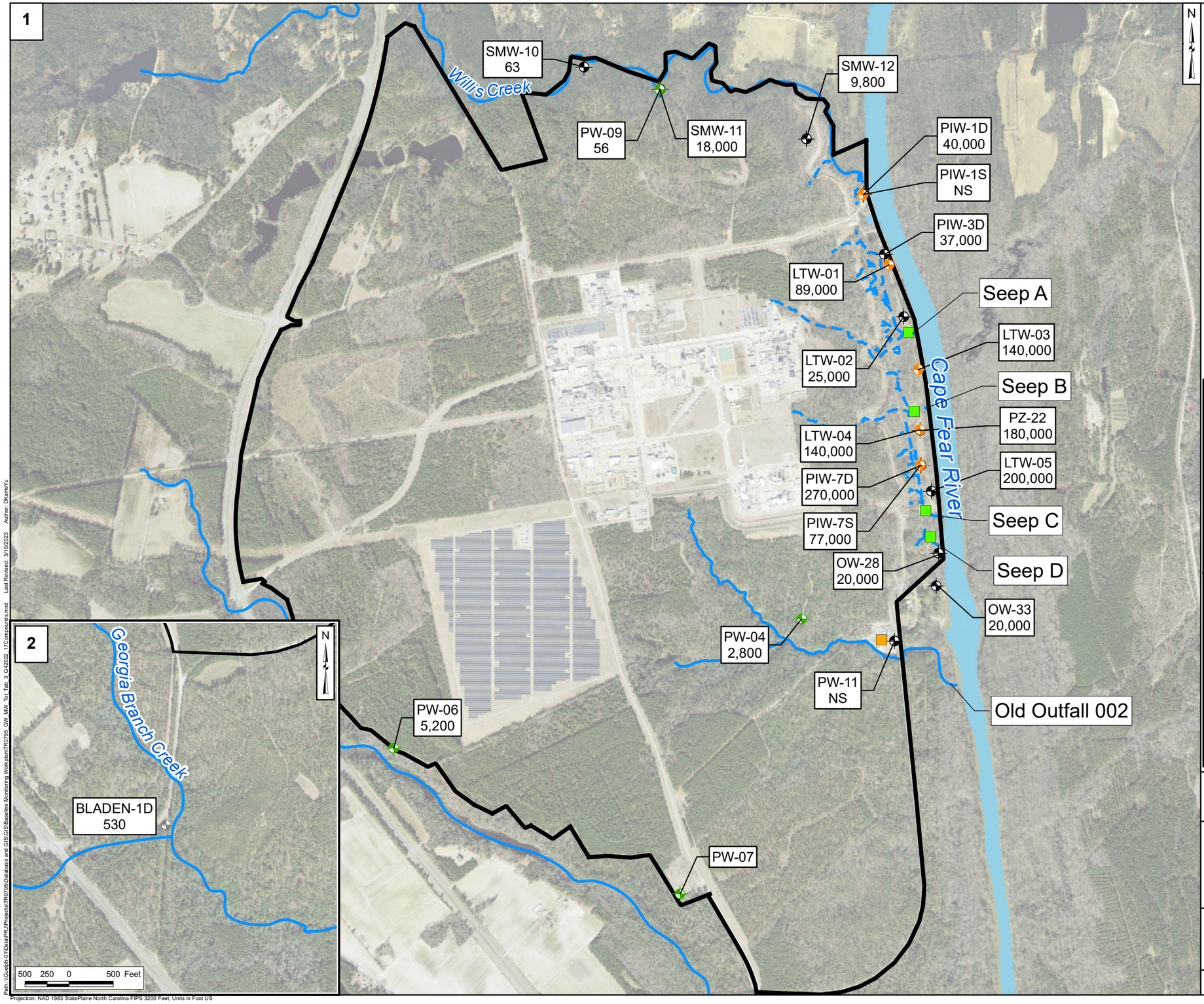
Raleigh

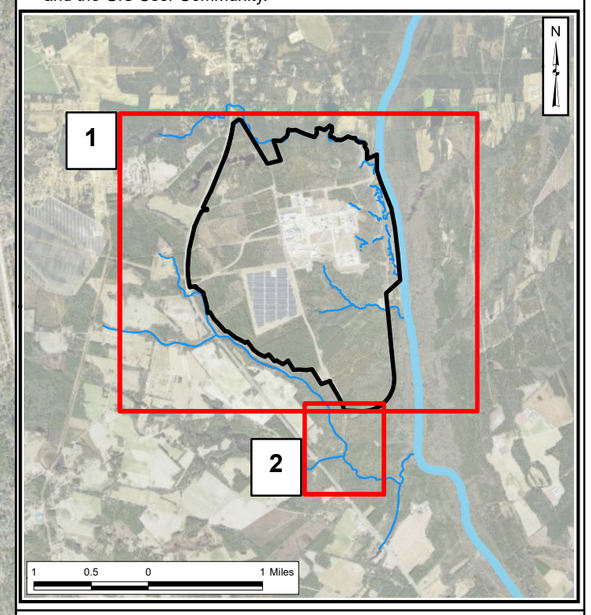
March 2023

Figure
A3

Path: \\Guelph-01\Data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_RiverSamples_Q4Z022_SW_HFPODA.mxd Last Revised: 3/15/2023 Author: DKaHoYu

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





Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Damaged
- Flow-Through Cell
- Old Outfall 002 Treatment System
- Observed Seep
- Nearby Tributary
- Site Boundary
- PIW-1D 40,000 — Location Name; Total Table 3+ Concentration (ng/L)

Notes:
NS - not sampled

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

1,500 750 0 1,500 Feet

Total Table 3+ Concentrations (17 Compounds) in Groundwater - Q4 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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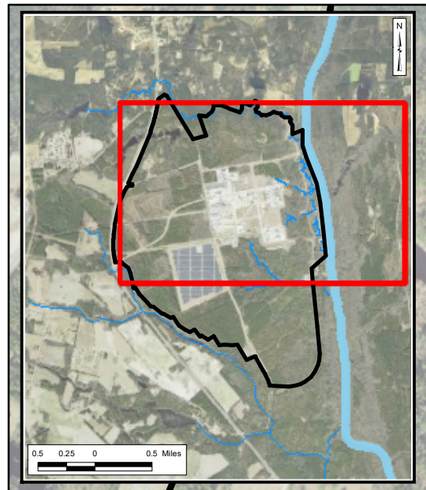
Figure **A4**

Path: \\Guelph-01\Data\PRJ\Projects\TR07950\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_MW_To1_Tab_3_Q42022_17Compounds.mxd Last Revised: 3/15/2023 Author: DKalHoYu

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



Willis Creek

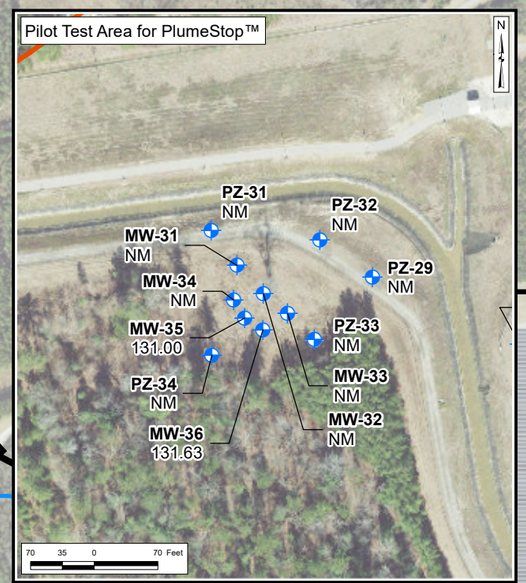
Cape Fear River

SMW-03 NM
SMW-02 DRY
SMW-04A DRY
SMW-05 NM
SMW-06 NM
PW-01 132.63
PZ-12 129.37
NAF-03 137.86
NAF-06 133.21
NAF-07 137.63
SMW-08 NM
PZ-11 138.38
NAF-02 137.70
NAF-11A 130.48
PZ-21R 135.31
NAF-04 137.95
SMW-07 127.01
PZ-35 135.44
FTA-01 131.77
PZ-20R 134.78
NAF-12 137.61
FTA-02 131.06
NAF-01 137.73
NAF-08A 136.86
NAF-10 134.80
PZ-13 135.30
FTA-03 131.49
PZ-19R 134.76
NAF-09 135.04
MW-7S 135.25
MW-24 128.15
MW-12S 129.93
MW-8S NM
PZ-14 135.10
MW-30 132.14
MW-1S 129.12
MW-9S 132.09
MW-2S
PZ-15 133.23
MW-25 132.71
MW-26 134.94
PZ-17 NM
PZ-28 134.55
MW-23 133.22
PZ-42 NM
PZ-45 NM
MW-11 NM
PZ-41 NM
MW-27 131.60
PZ-40 NM
PZ-39 NM
PZ-36 NM
PZ-26 135.28
PZ-44 NM
PZ-27 132.76
PZ-37 NM
PZ-43 NM
MW-28 130.13
PZ-38 NM
PZ-24 132.61
PZ-25R NM

Seep A
Seep B
Seep C
Seep D

130
135

Pilot Test Area for PlumeStop™



Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on November 10, 2022.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - November 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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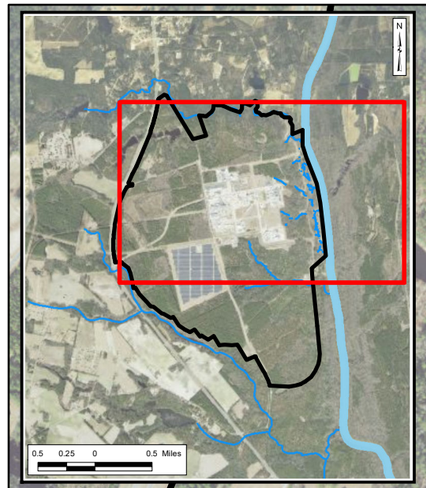
Raleigh | March 2023

Figure
A5-1

Path: P:\PR\JP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Perched_Q42022.mxd Last Revised: 2/22/2023 Author: JKasunic

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



Willis Creek

SMW-11
56.83

INSITU-02
NM

INSITU-01
81.82

MW-19D
85.01

SMW-09
81.12

MW-20D
86.22

MW-18D
85.29

SMW-02B
DRY

PW-02
86.18

SMW-04B
97.78

MW-21D
102.16

SMW-05P
NM

SMW-06B
98.49

NAF-11B
DRY

MW-22D
108.94

SMW-08B
103.65

MW-15DRR
99.14

PIW-5S
59.13

MW-17D
112.20

MW-16D
108.18

NAF-08B
93.25

PW-03
104.79

MW-13D
100.98

MW-14D
105.36

PZ-L
117.82

PIW-16S
127.75

PW-05
115.69

PIW-9S
NM

SMW-01
136.18

PIW-10S
57.28

PW-04
67.80

Cape Fear River

Seep A

Seep B

Seep C

Seep D

60 70 80 90 100 110 120

N

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on November 10, 2022.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - November 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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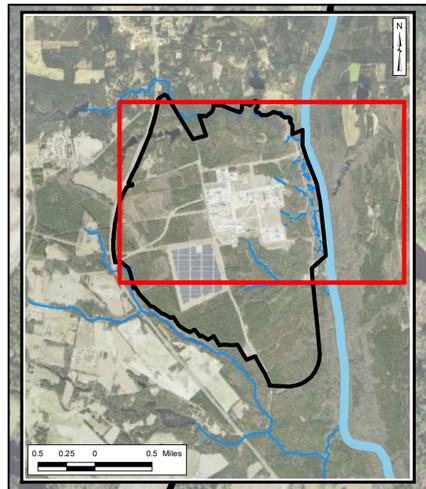
Figure
A5-2

Path: P:\PR\JP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Surficial_Q42022.mxd Last Revised: 2/10/2023 Author: Tp

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



Willis Creek

SMW-10 46.52
PW-09 47.44
PIW-11 43.13
PIW-12 33.82
SMW-12 32.97
PIW-13 33.56
PIW-14 33.84
PIW-15 32.40
PIW-1S 32.25
PIW-1D 32.15
PIW-3D 35.64
LTW-01 35.86
OW-1 57.81
OW-10 56.83
EW-1 57.60
PIW-2D 57.85
SMW-03B 88.65
BCA-01 NM
PW-12 89.65
LTW-02 43.02
PIW-4D 43.57
PW-15R NM
BCA-03R 97.13
EW-4 49.16
PW-10R 47.69
LTW-03 38.24
OW-2 48.70
OW-3 49.45
PIW-6S 38.35
PW-13 111.69
PZ-22 43.21
LTW-04 41.70
PW-14 NM
EW-5 44.84
OW-7 44.77
PIW-7S 42.32
PIW-7D 43.18
OW-8 44.04
LTW-05 41.29
PIW-16D 124.45
PIW-8D 41.31
PIW-9D NM
BCA-02 NM
EW-2 NM
OW-6 NM
BCA-04 116.97
OW-28 39.91
PIW-10DR 59.47
EW-3 NM
OW-4 NM
OW-33 40.38
OW-5 NM
OW-9 NM
PW-11 NM

Cape Fear River

Seep A
Seep B
Seep C
Seep D

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
NM - Not Measured; Well is inaccessible while it is being pumped for the Black Creek Aquifer interim pumping program.
NA - Not Available; Depth to water was measured at the well but the top of casing had not been surveyed at the time of this reporting period.
1. Depth to water measurements collected on November 10, 2022.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - November 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure
A5-3

Path: P:\PRJP\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps BlackCreek_Q42022.mxd Last Revised: 2/14/2023 Author: Tlp

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

Geosyntec consultants

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

Attachment ATT1

Supplemental Tables to the Mass Loading Model

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 9:53	87	1307.6
11/08/22 10:08	87	1307.6
11/08/22 10:23	95	1428.1
11/08/22 10:38	113	1700.9
11/08/22 10:53	108	1622.4
11/08/22 11:08	111	1665.1
11/08/22 11:23	109	1636.6
11/08/22 11:38	102	1524.3
11/08/22 11:53	130	1943.6
11/08/22 12:08	119	1780.6
11/08/22 12:23	125	1868.9
11/08/22 12:38	95	1428.1
11/08/22 12:53	96	1441.7
11/08/22 13:08	49	738.6
11/08/22 13:23	67	997.7
11/08/22 13:38	51	760.6
11/08/22 13:53	42	626.7
11/08/22 14:08	41	616.4
11/08/22 14:23	30	445.0
11/08/22 14:38	21	309.5
11/08/22 14:53	71	1064.9
11/08/22 15:08	64	961.7
11/08/22 15:23	69	1028.1
11/08/22 15:38	82	1229.2
11/08/22 15:53	81	1216.3
11/08/22 16:08	82	1235.7
11/08/22 16:23	88	1320.8
11/08/22 16:38	92	1380.8
11/08/22 16:53	95	1421.3
11/08/22 17:08	96	1434.9
11/08/22 17:23	99	1482.8
11/08/22 17:38	96	1441.7
11/08/22 17:53	96	1434.9
11/08/22 18:08	93	1394.3
11/08/22 18:23	96	1441.7
11/08/22 18:38	89	1340.7
11/08/22 18:53	101	1510.4
11/08/22 19:08	93	1394.3
11/08/22 19:23	96	1441.7
11/08/22 19:38	85	1274.7
11/08/22 19:53	91	1367.4
11/08/22 20:08	93	1401.1

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 20:23	85	1268.2
11/08/22 20:38	88	1320.8
11/08/22 20:53	86	1287.9
11/08/22 21:08	85	1274.7
11/08/22 21:23	84	1255.2
11/08/22 21:38	89	1334.1
11/08/22 21:53	87	1301.0
11/08/22 22:08	75	1120.9
11/08/22 22:23	78	1171.5
11/08/22 22:38	82	1229.2
11/08/22 22:53	80	1197.0
11/08/22 23:08	71	1064.9
11/08/22 23:23	72	1083.5
11/08/22 23:38	76	1146.1
11/08/22 23:53	71	1058.7
11/09/22 0:08	72	1077.3
11/09/22 0:23	77	1152.4
11/09/22 0:38	71	1058.7
11/09/22 0:53	70	1052.6
11/09/22 1:08	69	1040.3
11/09/22 1:23	76	1139.8
11/09/22 1:38	72	1083.5
11/09/22 1:53	70	1052.6
11/09/22 2:08	67	997.7
11/09/22 2:23	70	1046.4
11/09/22 2:38	68	1015.9
11/09/22 2:53	68	1022.0
11/09/22 3:08	74	1114.6
11/09/22 3:23	72	1083.5
11/09/22 3:38	67	1003.8
11/09/22 3:53	74	1108.4
11/09/22 4:08	82	1229.2
11/09/22 4:23	76	1133.5
11/09/22 4:38	77	1152.4
11/09/22 4:53	77	1158.7
11/09/22 5:08	74	1114.6
11/09/22 5:23	67	1009.8
11/09/22 5:38	70	1052.6
11/09/22 5:53	63	938.0
11/09/22 6:08	78	1165.1
11/09/22 6:23	80	1197.0
11/09/22 6:38	73	1089.7

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/09/22 6:53	71	1071.1
11/09/22 7:08	76	1146.1
11/09/22 7:23	71	1058.7
11/09/22 7:38	65	973.7
11/09/22 7:53	76	1139.8
11/09/22 8:08	65	967.7
11/09/22 8:23	65	973.7
11/09/22 8:38	97	1448.6
11/09/22 8:53	73	1095.9
11/09/22 9:08	85	1274.7
	Total Flow Volume (gal)	112,924

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 10:19	148	2224.0
11/08/22 10:34	114	1711.7
11/08/22 10:49	80	1200.1
11/08/22 11:04	103	1541.6
11/08/22 11:19	122	1835.6
11/08/22 11:34	124	1857.8
11/08/22 11:49	155	2326.8
11/08/22 12:04	150	2247.6
11/08/22 12:19	158	2366.7
11/08/22 12:34	149	2231.8
11/08/22 12:49	149	2231.8
11/08/22 13:04	80	1206.6
11/08/22 13:19	79	1187.3
11/08/22 13:34	54	813.5
11/08/22 13:49	37	553.0
11/08/22 14:04	36	533.2
11/08/22 14:19	24	353.5
11/08/22 14:34	22	328.1
11/08/22 14:49	47	708.6
11/08/22 15:04	44	665.9
11/08/22 15:19	45	681.8
11/08/22 15:34	55	824.9
11/08/22 15:49	52	785.5
11/08/22 16:04	56	841.9
11/08/22 16:19	65	970.6
11/08/22 16:34	65	970.6
11/08/22 16:49	64	958.7
11/08/22 17:04	66	982.6
11/08/22 17:19	67	1006.7
11/08/22 17:34	67	1006.7
11/08/22 17:49	66	994.7
11/08/22 18:04	67	1000.7
11/08/22 18:19	67	1006.7
11/08/22 18:34	66	982.6
11/08/22 18:49	68	1025.0
11/08/22 19:04	66	982.6
11/08/22 19:19	66	988.6
11/08/22 19:34	62	923.1
11/08/22 19:49	64	958.7
11/08/22 20:04	65	970.6
11/08/22 20:19	61	917.3
11/08/22 20:34	65	976.6
11/08/22 20:49	63	946.8
11/08/22 21:04	64	952.7

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 21:19	62	934.9
11/08/22 21:34	62	934.9
11/08/22 21:49	61	911.4
11/08/22 22:04	58	876.4
11/08/22 22:19	58	864.9
11/08/22 22:34	61	917.3
11/08/22 22:49	57	853.4
11/08/22 23:04	55	824.9
11/08/22 23:19	56	841.9
11/08/22 23:34	57	847.7
11/08/22 23:49	55	824.9
11/09/22 0:04	54	807.9
11/09/22 0:19	57	847.7
11/09/22 0:34	57	853.4
11/09/22 0:49	55	830.5
11/09/22 1:04	55	819.2
11/09/22 1:19	55	824.9
11/09/22 1:34	54	813.5
11/09/22 1:49	52	774.3
11/09/22 2:04	51	763.2
11/09/22 2:19	53	791.1
11/09/22 2:34	52	785.5
11/09/22 2:49	53	802.3
11/09/22 3:04	55	824.9
11/09/22 3:19	54	813.5
11/09/22 3:34	53	791.1
11/09/22 3:49	54	813.5
11/09/22 4:04	57	859.1
11/09/22 4:19	54	813.5
11/09/22 4:34	55	819.2
11/09/22 4:49	57	847.7
11/09/22 5:04	52	785.5
11/09/22 5:19	51	763.2
11/09/22 5:34	52	774.3
11/09/22 5:49	49	735.8
11/09/22 6:04	57	859.1
11/09/22 6:19	54	807.9
11/09/22 6:34	53	796.7
11/09/22 6:49	54	813.5
11/09/22 7:04	55	824.9
11/09/22 7:19	49	741.2
11/09/22 7:34	49	741.2
11/09/22 7:49	54	807.9
11/09/22 8:04	50	746.7

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/09/22 8:19	50	746.7
11/09/22 8:34	36	543.1
11/09/22 8:49	17	248.1
11/09/22 9:04	18	263.5
11/09/22 9:19	13	189.6
11/09/22 9:34	38	573.0
Total Flow Volume (gal)		89,473

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 10:58	36	542.4
11/08/22 11:13	38	567.4
11/08/22 11:28	35	530.0
11/08/22 11:43	27	403.9
11/08/22 11:58	41	618.7
11/08/22 12:13	37	559.1
11/08/22 12:28	40	601.4
11/08/22 12:43	30	449.9
11/08/22 12:58	51	771.3
11/08/22 13:13	17	259.8
11/08/22 13:28	40	597.1
11/08/22 13:43	29	442.1
11/08/22 13:58	28	419.1
11/08/22 14:13	30	449.9
11/08/22 14:28	22	324.0
11/08/22 14:43	15	218.7
11/08/22 14:58	33	501.5
11/08/22 15:13	29	434.4
11/08/22 15:28	31	469.5
11/08/22 15:43	41	618.7
11/08/22 15:58	41	614.3
11/08/22 16:13	41	618.7
11/08/22 16:28	44	658.0
11/08/22 16:43	49	739.0
11/08/22 16:58	53	794.7
11/08/22 17:13	56	832.6
11/08/22 17:28	58	875.8
11/08/22 17:43	56	846.9
11/08/22 17:58	56	842.1
11/08/22 18:13	56	842.1
11/08/22 18:28	57	851.7
11/08/22 18:43	49	739.0
11/08/22 18:58	64	959.5
11/08/22 19:13	57	856.5
11/08/22 19:28	56	832.6
11/08/22 19:43	48	720.7
11/08/22 19:58	53	794.7
11/08/22 20:13	56	832.6
11/08/22 20:28	47	702.6
11/08/22 20:43	53	799.4
11/08/22 20:58	52	776.0
11/08/22 21:13	51	766.7
11/08/22 21:28	49	739.0
11/08/22 21:43	56	846.9

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 21:58	52	785.3
11/08/22 22:13	42	631.7
11/08/22 22:28	43	644.8
11/08/22 22:43	46	693.6
11/08/22 22:58	45	671.3
11/08/22 23:13	38	571.7
11/08/22 23:28	38	575.9
11/08/22 23:43	43	649.2
11/08/22 23:58	37	554.9
11/09/22 0:13	39	580.1
11/09/22 0:28	46	689.1
11/09/22 0:43	36	542.4
11/09/22 0:58	37	559.1
11/09/22 1:13	34	513.6
11/09/22 1:28	41	610.0
11/09/22 1:43	38	575.9
11/09/22 1:58	34	505.5
11/09/22 2:13	35	521.8
11/09/22 2:28	36	538.3
11/09/22 2:43	37	559.1
11/09/22 2:58	35	521.8
11/09/22 3:13	42	631.7
11/09/22 3:28	42	627.3
11/09/22 3:43	34	513.6
11/09/22 3:58	40	592.9
11/09/22 4:13	50	752.8
11/09/22 4:28	41	610.0
11/09/22 4:43	47	707.1
11/09/22 4:58	44	666.8
11/09/22 5:13	45	680.2
11/09/22 5:28	38	567.4
11/09/22 5:43	42	631.7
11/09/22 5:58	36	538.3
11/09/22 6:13	40	605.7
11/09/22 6:28	54	813.6
11/09/22 6:43	45	671.3
11/09/22 6:58	40	605.7
11/09/22 7:13	54	813.6
11/09/22 7:28	44	662.4
11/09/22 7:43	43	649.2
11/09/22 7:58	47	711.7
11/09/22 8:13	37	554.9
11/09/22 8:28	39	584.4
11/09/22 8:43	67	999.7

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/09/22 8:58	30	449.9
11/09/22 9:13	35	521.8
11/09/22 9:28	19	282.9
11/09/22 9:43	79	1181.8
11/09/22 9:58	35	521.8
11/09/22 10:13	27	407.7
Total Flow Volume (gal)		59,714

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 12:12	107.6	1614.41
11/08/22 12:27	119.1	1787.01
11/08/22 12:42	99.3	1488.78
11/08/22 12:57	133.5	2003.06
11/08/22 13:12	77.6	1164.20
11/08/22 13:27	115.7	1736.08
11/08/22 13:42	101.6	1523.34
11/08/22 13:57	96.1	1440.83
11/08/22 14:12	100.6	1509.48
11/08/22 14:27	84.9	1273.84
11/08/22 14:42	69.7	1045.56
11/08/22 14:57	104.8	1572.16
11/08/22 15:12	95.1	1427.22
11/08/22 15:27	100.2	1502.57
11/08/22 15:42	119.1	1787.01
11/08/22 15:57	117.7	1765.13
11/08/22 16:12	119.1	1787.01
11/08/22 16:27	123.1	1845.81
11/08/22 16:42	131.0	1965.24
11/08/22 16:57	133.5	2003.06
11/08/22 17:12	139.7	2094.78
11/08/22 17:27	144.3	2164.44
11/08/22 17:42	140.7	2110.19
11/08/22 17:57	141.2	2117.91
11/08/22 18:12	139.7	2094.78
11/08/22 18:27	141.2	2117.91
11/08/22 18:42	130.0	1950.17
11/08/22 18:57	150.6	2258.47
11/08/22 19:12	139.7	2094.78
11/08/22 19:27	138.1	2071.72
11/08/22 19:42	123.5	1853.20
11/08/22 19:57	132.0	1980.34
11/08/22 20:12	135.6	2033.48
11/08/22 20:27	123.1	1845.81
11/08/22 20:42	131.0	1965.24
11/08/22 20:57	128.5	1927.65
11/08/22 21:12	126.5	1897.76
11/08/22 21:27	123.5	1853.20

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/08/22 21:42	136.6	2048.75
11/08/22 21:57	130.0	1950.17
11/08/22 22:12	111.9	1678.47
11/08/22 22:27	114.3	1714.40
11/08/22 22:42	119.6	1794.33
11/08/22 22:57	117.2	1757.85
11/08/22 23:12	104.3	1565.16
11/08/22 23:27	107.2	1607.35
11/08/22 23:42	114.3	1714.40
11/08/22 23:57	102.9	1544.20
11/09/22 0:12	107.2	1607.35
11/09/22 0:27	115.7	1736.08
11/09/22 0:42	102.9	1544.20
11/09/22 0:57	102.9	1544.20
11/09/22 1:12	98.8	1481.90
11/09/22 1:27	108.1	1621.49
11/09/22 1:42	104.3	1565.16
11/09/22 1:57	96.5	1447.64
11/09/22 2:12	95.6	1434.02
11/09/22 2:27	101.1	1516.41
11/09/22 2:42	99.3	1488.78
11/09/22 2:57	98.3	1475.02
11/09/22 3:12	108.1	1621.49
11/09/22 3:27	107.6	1614.41
11/09/22 3:42	94.2	1413.66
11/09/22 3:57	104.8	1572.16
11/09/22 4:12	118.2	1772.41
11/09/22 4:27	104.3	1565.16
11/09/22 4:42	116.2	1743.33
11/09/22 4:57	111.4	1671.31
11/09/22 5:12	110.0	1649.90
11/09/22 5:27	98.3	1475.02
11/09/22 5:42	106.7	1600.29
11/09/22 5:57	92.0	1379.94
11/09/22 6:12	102.5	1537.24
11/09/22 6:27	123.5	1853.20
11/09/22 6:42	108.6	1628.58

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
11/09/22 6:57	102.0	1530.29
11/09/22 7:12	124.0	1860.60
11/09/22 7:27	109.5	1642.78
11/09/22 7:42	110.0	1649.90
11/09/22 7:57	111.4	1671.31
11/09/22 8:12	92.9	1393.39
11/09/22 8:27	100.2	1502.57
11/09/22 8:42	141.7	2125.65
11/09/22 8:57	87.1	1306.69
11/09/22 9:12	89.8	1346.48
11/09/22 9:27	64.9	972.82
11/09/22 9:42	158.0	2369.79
11/09/22 9:57	91.1	1366.52
11/09/22 10:12	77.6	1164.20
11/09/22 10:27	102.9	1544.20
11/09/22 10:42	117.2	1757.85
11/09/22 10:57	66.1	990.84
11/09/22 11:12	105.7	1586.21
11/09/22 11:27	97.0	1454.47
Total Flow Volume (gal)		157,846

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
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0	0.00	0.05	0.00
T	1	0.00		0.05		
M	1	0.15		0.09		
B	1	0.30	0.25	0.02	0.35	0.09
T	2	0.00		0.52		
M	2	0.10		0.61		
B	2	0.20	0.30	0.33	0.63	0.19
T	3	0.00		0.45		
M	3	0.20		0.65		
B	3	0.40	0.40	0.25	0.71	0.28
T	4	0.00		0.82		
M	4	0.20		0.76		
B	4	0.40	0.25	0.48	0.42	0.11
T	5	0.00		0.10		
B	5	0.10	0.05	0.06	0.06	0.00
North Bank	6	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			0.67
			(gpm)			299
			(L/s)			19

Associated Measurement Notes
Location: Chemours Fayetteville
Station: OLDOF-1
Date: November 09, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second

Notes

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

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

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

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.45	0.00	0.06	0.02
T	3	0.00		0.05		
M	3	0.15		0.11		
B	3	0.30	1.50	0.03	0.55	0.83
T	6	0.00		0.92		
M	6	0.35		0.99		
B	6	0.70	1.50	0.61	0.89	1.33
T	9	0.00		1.04		
M	9	0.15		0.78		
B	9	0.30	0.90	0.50	0.47	0.42
T	12	0.00		0.59		
B	12	0.15	0.60	0.25	0.52	0.31
T	15	0.00		0.67		
M	15	0.10		0.61		
B	15	0.25	0.68	0.18	0.51	0.34
T	18	0.00		0.69		
M	18	0.10		0.41		
B	18	0.20	0.35	0.11	0.46	0.16
North Bank	19	0.50		0.50		
			Total Volumetric Discharge (ft^3/s)			3.4
			(gpm)			1,531
			(L/s)			97

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: November 09, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second

Notes

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

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

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

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.24	0.00	0.20	0.05
T	1.2	0.00		0.56		
M	1.2	0.20		0.40		
B	1.2	0.40	0.36	0.20	0.64	0.23
T	2.4	0.00		0.84		
M	2.4	0.10		0.87		
B	2.4	0.20	0.24	0.65	0.81	0.19
T	3.6	0.00		0.84		
M	3.6	0.10		0.74		
B	3.6	0.20	0.36	0.58	0.61	0.22
T	4.8	0.00		0.60		
M	4.8	0.20		0.47		
B	4.8	0.40	0.66	0.24	0.82	0.54
T	6	0.00		1.11		
M	6	0.35		1.16		
B	6	0.70	0.72	0.96	0.86	0.62
T	7.2	0.00		0.61		
M	7.2	0.25		0.56		
B	7.2	0.50	0.20	0.50	0.28	0.06
North Bank	8	0.00		0.00		
			Total Volumetric Discharge (ft^3/s)			1.9
			(gpm)			853
			(L/s)			54

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 01 (SW-GB-01)
Date: November 09, 2022

Acronyms
- - data not measured or calculated
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second

Notes

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

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

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

Q4 2022 Monthly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
November 2022[1]	11/08/2022	10.967	10,967,000	13.1	5,986,154
	11/09/2022	12.563	12,563,000	9.9	5,182,238
	11/8/2022 10:54:00 AM to 11/9/2022 9:54:00 AM			23	11,168,392

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 9:54 AM on 11/09/22 approximated based or flow rates for 11/08/22 and 11/09/22.
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

Q4 2022 Monthly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Grab Sample Instantaneous Flow Rate (ft^3/s)[2]
November 2022	Upstream River Water and Groundwater	11/08/22 10:35	William O Huske Lock and Dam	994

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:

ft^3/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

Q4 2022 Monthly Event	Date	Intake Flow River Water Total Daily Flow Average (gpm)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
November 2022[1]	11/08/22	9,343	13,454,104	14.9	8,352,756
	11/09/22	9,375	13,500,367	8.10	4,556,374
	11/8/2022 9:06:00 AM to 11/9/2022 8:06:00 AM			23.0	12,909,130

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 8:06 am on 11/09/22 approximated based or flow rates for 11/08/22 and 11/09/22.
Acronyms:
gal - gallons
gpm - gallons per minute

TABLE ATT1-11
CAPE FEAR RIVER TOTAL PFAS RELATIVE MASS DISCHARGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	November 2022			
	Total Attachment C[2]		Total Table 3+ (20 Compounds)	
	Lower	Upper	Lower	Upper
[1] Upstream River Water and Groundwater	<1%	<1%	2%	2%
[2] Willis Creek	7%	7%	7%	7%
[3] Aerial Deposition on Water Features	<1%	<1%	<1%	<1%
[4] Outfall 002	6%	5%	5%	5%
Outfall 002 (After Remedies)[3]	*<1%*	*<1%*	*<1%*	*<1%*
[5] Onsite Groundwater	23%	26%	21%	24%
[6] Seeps	49%	47%	49%	48%
Seeps (After Remedies)[4]	*1%*	*1%*	*1%*	*<1%*
[7] Old Outfall 002	14%	13%	13%	12%
Old Outfall 002 (After Remedies)[5]	*1%*	*1%*	*1%*	*1%*
[8] Offsite Adjacent and Downstream Groundwater	<1%	<1%	1%	1%
[9] Georgia Branch Creek	1%	1%	1%	1%

Notes:

< - less than indicated value.

1 - Relative contributions were calculated using the before remedies Total Attachment C and Total Table 3+ (20 compounds) model-estimated mass discharges (Table A10-1). These relative contributions are presented as a range, which represents the upper and lower bound model estimates.

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

3 - The Outfall 002 (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharge at the Stormwater Treatment System (Tables A10-2). The Stormwater Treatment System captures stormwater flows in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events.

4 - The Seeps (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D, and Lock and Dam Seep (Tables A10-2).

5 - The Old Outfall 002 (After Remedies) relative contributions for November 2022 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables A10-2).

TABLE ATT1-12
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	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP4Q22-CFR-BLADEN-110922	CAP4Q22-CFR-KINGS-111422	CAP4Q22-CFR-RM-76-110822	CAP4Q22-CFR-TARHEEL-110922	CAP4Q22-CFR-TARHEEL-24-111022	CAP4Q22-GBC-1-110822	CAP4Q22-LOCK-DAM-NORTH-110822	CAP4Q22-LOCK-DAM-SEEP-110822
Sample Date	11/09/22	11/14/22	11/08/22	11/09/22	11/10/22	11/08/22	11/08/22	11/08/22
QA/QC								
Sample Matrix	LIQUID	Liquid	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94320-1	320-94574-1	320-94320-1	320-94321-1	320-94321-1	320-94320-1	320-94320-1	320-94320-1
Lab Sample ID	320-94320-4	320-94574-1	320-94320-3	320-94321-3	320-94321-1	320-94320-2	320-94320-5	320-94320-1
537 Mod (ng/L)								
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<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	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<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	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<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	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<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	<2.0	<2.0
DONA	<2.0	<2.0	<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	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<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	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**7.6**	**10 J**	**6.9**	**8.2**	**7.2**	**2.0**	<2.0	**2.7**
Perfluorobutanoic Acid	**5.6**	**9.1**	**6.1**	**6.1**	<5.0	**10**	**49**	**100**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<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	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**7.1**	**4.5**	**4.7**	**4.3**	**2.0**	**8.9**	**100**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**5.4**	**7.4**	**6.0**	**6.3**	**5.4**	<2.0	<2.0	**2.8**
Perfluorohexanoic Acid	**10**	**16**	**11**	**11**	**10**	**3.1**	**8.2**	**19**
Perfluorononanesulfonic Acid	<2.0	<2.0	<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	<2.0	**3.1**
Perfluorooctadecanoic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**16**	**23**	**15**	**15**	**14**	**8.6**	**110**	**570**
Perfluorotetradecanoic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**6.2**	**8.4**	**6.2**	**6.7**	**6.7**	<2.0	**12**	**12**
PFOS	**13**	**15**	**12**	**13**	**17**	<2.0	**11**	**38**

TABLE ATT1-12
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	OLDOF-1	OUTFALL 002	River Water Intake 2	SEEP-A-EFF	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	CAP4Q22-OLDOF-1-24-110922	CAP4Q22-OUTFALL-002-24-110922	RIVER-WATER-INTAKE2-24-110922	CAP4Q22-SEEP-A-EFF-24-110922	CAP4Q22-SEEP-A-EFF-24-110922-D	CAP4Q22-SEEP-B-EFF-24-110922	CAP4Q22-SEEP-C-EFF-23-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94320-1	320-94320-1	320-94320-1	320-94321-1	320-94319-1
Lab Sample ID	320-94319-5	320-94319-4	320-94320-6	320-94320-7	320-94320-8	320-94321-2	320-94319-2
537 Mod (ng/L)							
10:2 Fluorotelomer sulfonate	<2.0	<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	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<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	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<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	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<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	<2.0
DONA	<2.0	<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	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<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	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	**6.5**	**6.5**	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**5.1**	**5.1**	<5.0	**5.8**	**9.4**	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<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	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<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	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**4.3**	**4.4**	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	**5.5**	**5.1**	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**9.2**	**10**	<2.0	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<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	<2.0
Perfluorooctadecanoic Acid	<2.0	<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	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**6.5**	**15**	**15**	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<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	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	**6.5**	**5.1**	<2.0	<2.0	<2.0	<2.0
PFOS	<2.0	**12**	**9.7**	<2.0	<2.0	<2.0	<2.0

TABLE ATT1-12
SEEP AND SURFACE WATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-D-EFF	WC-1	EB	EB	FBLK
Field Sample ID	CAP4Q22-SEEP-D-EFF-24-110922	CAP4Q22-WC-1-24-110922	CAP4Q22-EQBLK-IS-110922	CAP4Q22-EQBLK-PP-110922	CAP4Q22-FB-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC			Equipment Blank	Equipment Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94319-1	320-94319-1	320-94319-1
Lab Sample ID	320-94319-3	320-94319-1	320-94319-9	320-94319-8	320-94319-10
537 Mod (ng/L)					
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<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
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<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-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<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
N-ethylperfluoro-1-octanesulfonamide	<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
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	**3.9**	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**9.1**	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**2.9**	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**4.1**	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	**13**	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	**10**	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:
Bold - Analyte detected above associated reporting limit
B - Analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
< - Analyte not detected above associated reporting limit.

TABLE ATT1-13
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-1D	LTW-01	LTW-02	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP4Q22-BLADEN-1D-111522	CAP4Q22-LTW-01-111722	CAP4Q22-LTW-02-111722	CAP4Q22-LTW-03-111722	CAP4Q22-LTW-04-111722	CAP4Q22-LTW-05-111722
Sample Date	11/15/22	11/17/22	11/17/22	11/17/2022	11/17/22	11/17/22
QA/QC						
Sample Delivery Group (SDG)	320-94566-1	320-94566-1	320-94566-1	320-94566-1	320-94565-1	320-94566-1
Lab Sample ID	320-94566-10	320-94566-2	320-94566-3	320-94566-8	320-94565-5	320-94566-6
537 Mod (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	**3.1**	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**160**	**37**	**160**	**430**	**190**
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	**50**	**6.9**	**24**	**64**	**220**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	**5.0**	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**23**	**5.1**	**15**	**34**	**40**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	**2.1**	<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	**5.3**	**360**	**150**	**790**	**1,400**	**1,500**
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	**41**	<2.0	<2.0	**8.6**	**3.6**
PFOS	<2.0	**12 J**	<2.0	<2.0	<2.0	<2.0

TABLE ATT1-13
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	OW-28	OW-33	PIW-1D	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP4Q22-OW-28-111622	CAP4Q22-OW-33-111622	CAP4Q22-PIW-01D-111822	CAP4Q22-PIW-3D-111722	CAP4Q22-PIW-7D-111622	CAP4Q22-PIW-7S-111722
Sample Date	11/16/22	11/16/2022	11/18/22	11/17/22	11/16/2022	44882
QA/QC						
Sample Delivery Group (SDG)	320-94563-1	320-94563-1	320-94672-1	320-94566-1	320-94563-1	320-94566-1
Lab Sample ID	320-94563-5	320-94563-3	320-94672-2	320-94566-7	320-94563-4	320-94566-4
537 Mod (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	<2.0	<2.0	**2.8**	<2.0	**5.5**
Perfluorobutanoic Acid	**58**	**61**	**76**	**79**	**260**	**240**
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	**7.9**	**5.4**	**18**	**29**	**160**	**87**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	**4.0**	<2.0	**6.2**
Perfluorohexanoic Acid	**10**	**9.5**	**11**	**15**	**46**	**44**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	**5.7**	<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	**72**	**97**	**150**	**140**	**1,700**	**930**
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	**4.1**	<2.0	**20**	**42**	**4.3**	**20**
PFOS	<2.0	<2.0	<2.0	**16**	<2.0	**9.2 J**

TABLE ATT1-13
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer
Location ID	PW-04	PW-06	PW-09	PW-09	PZ-22	SMW-10
Field Sample ID	CAP4Q22-PW-04-112122	CAP4Q22-PW-06-111522	CAP4Q22-PW-09-111722	CAP4Q22-PW-09-111722-Z	CAP4Q22-PZ-22-111722	CAP4Q22-SMW-10-111622
Sample Date	11/21/22	11/15/22	11/17/22	11/17/22	11/17/22	11/16/22
QA/QC						
Sample Delivery Group (SDG)	320-94672-1	320-94566-1	320-94563-1	320-94563-1	320-94566-1	320-94563-1
Lab Sample ID	320-94672-1	320-94566-9	320-94563-1	320-94563-2	320-94566-5	320-94563-6
537 Mod (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	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	**6.8**	**15**	<5.0	<5.0	**140**	<5.0
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	**6.2**	**7.4**	<2.0	<2.0	**17**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**2.5**	**4.9**	<2.0	<2.0	**16**	<2.0
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	**14**	**21**	<2.0	<2.0	**1,100**	<2.0
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	**13**	<2.0	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

TABLE ATT1-13
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	--	--	--
Location ID	SMW-11	SMW-12	SMW-12	EB	EB	EB
Field Sample ID	CAP4Q22-SMW-11-111622	CAP4Q22-SMW-12-111522	CAP4Q22-SMW-12-111522-D	CAP4Q22-EQBLK-BR-111822	CAP4Q22-EQBLK-BR-111822-Z	CAP4Q22-EQBLK-DV-111822
Sample Date	11/16/22	11/15/22	11/15/22	11/18/22	11/18/22	11/18/22
QA/QC			DUP	Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-94563-1	320-94563-1	320-94566-1	320-94565-1	320-94565-1	320-94565-1
Lab Sample ID	320-94563-7	320-94563-8	320-94566-1	320-94565-8	320-94565-9	320-94565-7
537 Mod (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	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	**32**	**25**	**23**	<5.0	<5.0	<5.0
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	**18**	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**15**	**2.4**	**2.4**	<2.0	<2.0	<2.0
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	**47**	**48**	**50**	<2.0	<2.0	<2.0
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	**120**	<2.0	<2.0	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

TABLE ATT1-13
GROUNDWATER OTHER PFAS ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	--	--	--	--	--
Location ID	EB	EB	EB	FBLK	FBLK
Field Sample ID	CAP4Q22-EQBLK-DV-111822-Z	CAP4Q22-EQBLK-PP-111822	CAP4Q22-EQBLK-PP-111822-Z	CAP4Q22-FB-111822	CAP4Q22-FB-111822-Z
Sample Date	11/18/22	11/18/22	11/18/22	11/18/22	11/18/22
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Field Blank	Field Blank
Sample Delivery Group (SDG)	320-94565-1	320-94565-1	320-94565-1	320-94565-1	320-94565-1
Lab Sample ID	320-94565-6	320-94565-3	320-94565-4	320-94565-1	320-94565-2
537 Mod (ng/L)					
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<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
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<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-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<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
N-ethylperfluoro-1-octanesulfonamide	<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
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	<2.0	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:

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

2- PIW-1S was not sampled because the well was 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.

TABLE ATT1-14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY UPGRADIENT OF REMEDIES (BEFORE REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	4A
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Stormwater Treatment System[4]
Flow (MG)	629	2.2	11.2	0.07
Program	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS INFLUENT
Field Sample ID	CAP4Q22-CFR-RM-76-110822	CAP4Q22-WC-1-24-110922	CAP4Q22-OUTFALL-002-24-110922	STS Influent - 110922
Sample Date and Time[2]	11/08/22	11/09/22	11/09/22	11/09/22
Sample Delivery Group (SDG)	320-94320-1	320-94319-1	320-94319-1	410-105765-1
Lab Sample ID	320-94320-3	320-94319-1	320-94319-4	410-105765-1
Sample Type	Grab	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	ND	**0.06**	**0.01**	**0.29**
PFMOAA	ND	**0.18**	**3.8E-03**	**0.04**
PFO2HxA	ND	**0.09**	**3.5E-03**	--
PFO3OA	ND	**0.02**	ND	--
PFO4DA	ND	**2.8E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	ND	**0.08**	ND	**0.03**
PEPA	ND	**0.02**	ND	--
PS Acid	ND	**2.5E-04**	ND	--
Hydro-PS Acid	ND	**1.4E-03**	ND	--
R-PSDA	ND	**3.5E-03**	ND	--
Hydrolyzed PSDA	ND	**0.02**	ND	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.14**	**2.9E-03**	**9.3E-04**	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.3E-03**	ND	--
R-EVE	ND	**1.5E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[7,8]	ND	**0.44**	**0.03**	**0.34**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.14**	**0.45**	**0.03**	**0.34**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.14**	**0.48**	**0.03**	**0.34**

TABLE ATT1-14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY UPGRADIENT OF REMEDIES (BEFORE REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	5	5	6A	6B	6C
Pathway Name	Onsite Groundwater - Lower Bound[5]	Onsite Groundwater - Upper Bound[5]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.11	0.09	0.06
Program	--	--	Seep Flow Through Cell Sampling 2022	Seep Flow Through Cell Sampling 2022	Seep Flow Through Cell Sampling 2022
Location ID	--	--	SEEP-A-INF	SEEP-B-INF	SEEP-C-INF
Field Sample ID	--	--	SEEP-A-INFLUENT-336-111522	SEEP-B-INFLUENT-336-111522	SEEP-C-INFLUENT-336-111522
Sample Date and Time[2]	--	--	11/15/22	11/15/22	11/15/22
Sample Delivery Group (SDG)	--	--	320-94477-1	320-94477-1	320-94477-1
Lab Sample ID	--	--	320-94477-1	320-94477-3	320-94477-5
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
HFPO-DA	**0.20**	**0.21**	**0.11**	**0.10**	**0.07**
PFMOAA	**0.79**	**0.98**	**0.37**	**0.78**	**0.19**
PFO2HxA	**0.31**	**0.36**	**0.19**	**0.27**	**0.08**
PFO3OA	**0.04**	**0.05**	**0.05**	**0.06**	**0.02**
PFO4DA	**0.01**	**0.01**	**0.03**	**0.01**	**7.8E-03**
PFO5DA	ND	ND	**0.01**	ND	ND
PMPA	**0.09**	**0.09**	**0.05**	**0.10**	**0.02**
PEPA	**0.03**	**0.03**	**0.02**	**0.03**	**0.01**
PS Acid	ND	ND	**0.01**	**2.7E-03**	ND
Hydro-PS Acid	**1.3E-03**	**1.3E-03**	**0.01**	**3.3E-03**	**1.3E-03**
R-PSDA	**0.01**	**0.01**	**0.01**	**0.01**	**2.5E-03**
Hydrolyzed PSDA	**4.7E-03**	**0.01**	**0.09**	**0.11**	**3.1E-03**
R-PSDCA	ND	ND	ND	ND	ND
NVHOS, Acid Form	**0.01**	**0.01**	**4.9E-03**	**0.01**	**2.2E-03**
EVE Acid	ND	ND	**9.9E-04**	ND	ND
Hydro-EVE Acid	**1.9E-03**	**2.3E-03**	**0.01**	**4.3E-03**	**3.9E-03**
R-EVE	**3.7E-03**	**4.2E-03**	ND	**4.7E-03**	**1.9E-03**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**1.48**	**1.74**	**0.84**	**1.37**	**0.39**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**1.49**	**1.75**	**0.84**	**1.37**	**0.42**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**1.49**	**1.75**	**0.94**	**1.53**	**0.42**

TABLE ATT1-14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY UPGRADIENT OF REMEDIES (BEFORE REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock and Dam North	Old Outfall 002
Flow (MG)	0.16	4.3E-03	4.0E-04	0.43
Program	Seep Flow Through Cell Sampling 2022	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	NPDES Sampling 11/22
Location ID	SEEP-D-INF	Lock-Dam Seep	Lock-Dam North	Old Outfall 002 Influent
Field Sample ID	SEEP-D-INFLUENT-336-111522	CAP4Q22-LOCK-DAM-SEEP-110822	AP4Q22-LOCK-DAM-NORTH-11082	Influent-1122-3
Sample Date and Time[2]	11/15/22	11/08/22	11/08/22	11/08/22
Sample Delivery Group (SDG)	320-94477-1	320-94320-1	320-94320-1	410-104997-1
Lab Sample ID	320-94477-7	320-94320-1	320-94320-5	410-104997-1
Sample Type	Composite	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	**0.08**	**1.9E-03**	**6.4E-05**	**0.21**
PFMOAA	**0.26**	**0.02**	**9.2E-05**	**0.58**
PFO2HxA	**0.11**	**0.01**	**6.8E-05**	ND
PFO3OA	**0.03**	**3.6E-03**	**1.1E-05**	ND
PFO4DA	**0.01**	**6.4E-04**	**3.0E-06**	ND
PFO5DA	ND	**3.6E-05**	**3.5E-07**	ND
PMPA	**0.02**	**1.5E-03**	**5.9E-05**	**0.11**
PEPA	**0.01**	**4.9E-04**	**2.1E-05**	ND
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	**1.5E-03**	**4.0E-05**	**1.5E-06**	ND
R-PSDA	**3.2E-03**	**1.6E-04**	**4.0E-06**	ND
Hydrolyzed PSDA	**0.01**	**1.2E-04**	**8.2E-08**	ND
R-PSDCA	ND	**2.5E-06**	ND	ND
NVHOS, Acid Form	**3.1E-03**	**2.5E-04**	**1.1E-06**	ND
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	**4.8E-03**	**4.2E-05**	**2.6E-07**	ND
R-EVE	**2.8E-03**	**4.7E-05**	**2.1E-06**	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.53**	**0.03**	**3.1E-04**	**0.91**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.53**	**0.03**	**3.1E-04**	**0.91**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.55**	**0.03**	**3.3E-04**	**0.91**

TABLE ATT1-14-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY UPGRADIENT OF REMEDIES (BEFORE REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**9**	**Sum of All Pathways - Lower Bound**	**Sum of All Pathways - Upper Bound**
Pathway Name	**Georgia Branch Creek**		
Flow (MG)	**1.2**		
Program	**CAP SW Sampling 4Q22**		
Location ID	**GBC-1**		
Field Sample ID	**CAP4Q22-GBC-1-110822**		
Sample Date and Time[2]	**11/08/22**		
Sample Delivery Group (SDG)	**320-94320-1**		
Lab Sample ID	**320-94320-2**		
Sample Type	**Grab**		
Table 3+ Lab SOP Mass Discharge[6] ***(mg/s)***			
HFPO-DA	**0.02**	**1.14**	**0.87**
PFMOAA	**4.1E-03**	**3.23**	**3.38**
PFO2HxA	**0.02**	**1.09**	**1.14**
PFO3OA	**2.9E-03**	**0.23**	**0.23**
PFO4DA	**7.5E-04**	**0.07**	**0.07**
PFO5DA	ND	**0.01**	**0.01**
PMPA	**0.03**	**0.54**	**0.51**
PEPA	**0.01**	**0.12**	**0.12**
PS Acid	ND	**0.01**	**0.01**
Hydro-PS Acid	**8.6E-04**	**0.02**	**0.01**
R-PSDA	**1.3E-03**	**0.04**	**0.04**
Hydrolyzed PSDA	ND	**0.24**	**0.25**
R-PSDCA	ND	**2.5E-06**	**2.5E-06**
NVHOS, Acid Form	**2.0E-04**	**0.17**	**0.17**
EVE Acid	ND	**9.9E-04**	**9.9E-04**
Hydro-EVE Acid	ND	**0.02**	**0.02**
R-EVE	**4.6E-04**	**0.02**	**0.02**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.10**	**6.5**	**6.7**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.10**	**6.6**	**6.9**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.10**	**7.0**	**7.2**

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 mass loads reported here are the sum of these 3 compounds in the stormwater treatment system influent flow.
5 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Attachment ATT3. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Attachment ATT3.
6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A8 and A9, and 24-hour flow volumes reported in Table A3.
7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A8 and Table A9, 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, and R-EVE.
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.

TABLE ATT1-14-2
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)	629	2.2	11.2	0.07
Program	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP4Q22-CFR-RM-76-110822	CAP4Q22-WC-1-24-110922	CAP4Q22-OUTFALL-002-24-110922	STS Discharge - 110922
Sample Date and Time[2]	11/08/22	11/09/22	11/09/22	11/9/2022
Sample Delivery Group (SDG)	320-94320-1	320-94319-1	320-94319-1	410-105765-1 / 410-105795-1
Lab Sample ID	320-94320-3	320-94319-1	320-94319-4	410-105765-2 / 410-105795-1
Sample Type	Grab	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	ND	**0.06**	**5.5E-03**	ND
PFMOAA	ND	**0.18**	**3.8E-03**	ND
PFO2HxA	ND	**0.09**	**3.5E-03**	--
PFO3OA	ND	**0.02**	ND	--
PFO4DA	ND	**2.8E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	ND	**0.08**	ND	ND
PEPA	ND	**0.02**	ND	--
PS Acid	ND	**2.5E-04**	ND	--
Hydro-PS Acid	ND	**1.4E-03**	ND	--
R-PSDA	ND	**3.5E-03**	ND	--
Hydrolyzed PSDA	ND	**0.02**	ND	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	**0.14**	**2.9E-03**	**9.3E-04**	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.3E-03**	ND	--
R-EVE	ND	**1.5E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[7,8]	ND	**0.44**	**0.03**	ND
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.14**	**0.45**	**0.03**	ND
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.14**	**0.48**	**0.03**	ND

TABLE ATT1-14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	5	5	6A	6B	6C
Pathway Name	Onsite Groundwater - Lower Bound[5]	Onsite Groundwater - Upper Bound[5]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.11	0.09	0.06
Program	--	--	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	CAP4Q22-SEEP-A-EFF-24-110922	CAP4Q22-SEEP-B-EFF-24-110922	CAP4Q22-SEEP-C-EFF-23-110922
Sample Date and Time[2]	--	--	11/09/22	11/09/22	11/09/22
Sample Delivery Group (SDG)	--	--	320-94320-1	320-94321-1	320-94319-1
Lab Sample ID	--	--	320-94320-7	320-94321-2	320-94319-2
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
HFPO-DA	**0.20**	**0.21**	**1.8E-05**	**3.4E-05**	**2.9E-05**
PFMOAA	**0.79**	**0.98**	**1.2E-04**	**1.8E-03**	**2.4E-04**
PFO2HxA	**0.31**	**0.36**	**4.0E-05**	**1.4E-04**	**8.1E-05**
PFO3OA	**0.04**	**0.05**	ND	**9.4E-06**	ND
PFO4DA	**0.01**	**0.01**	ND	ND	ND
PFO5DA	ND	ND	ND	ND	ND
PMPA	**0.09**	**0.09**	ND	**2.5E-04**	**4.2E-05**
PEPA	**0.03**	**0.03**	ND	ND	ND
PS Acid	ND	ND	ND	ND	ND
Hydro-PS Acid	**1.3E-03**	**1.3E-03**	ND	ND	ND
R-PSDA	**0.01**	**0.01**	ND	ND	ND
Hydrolyzed PSDA	**4.7E-03**	**0.01**	ND	**2.94E-05**	**7.3E-06**
R-PSDCA	ND	ND	ND	ND	ND
NVHOS, Acid Form	**0.01**	**0.01**	ND	ND	ND
EVE Acid	ND	ND	ND	ND	ND
Hydro-EVE Acid	**1.9E-03**	**2.3E-03**	ND	ND	ND
R-EVE	**3.7E-03**	**4.2E-03**	ND	ND	ND
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**1.48**	**1.74**	**1.8E-04**	**2.3E-03**	**3.9E-04**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**1.49**	**1.75**	**1.8E-04**	**2.3E-03**	**3.9E-04**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**1.49**	**1.75**	**1.8E-04**	**2.3E-03**	**3.9E-04**

TABLE ATT1-14-2
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	Old Outfall 002
Flow (MG)	0.16	0.00	4.0E-04	0.43
Program	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22	CAP SW Sampling 4Q22
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-1
Field Sample ID	CAP4Q22-SEEP-D-EFF-24-110922	CAP4Q22-LOCK-DAM-SEEP-110822	AP4Q22-LOCK-DAM-NORTH-11082	CAP4Q22-OLDOF-1-24-110922
Sample Date and Time[2]	11/09/22	11/08/22	11/08/22	11/09/22
Sample Delivery Group (SDG)	320-94319-1	320-94320-1	320-94320-1	320-94319-1
Lab Sample ID	320-94319-3	320-94320-1	320-94320-5	320-94319-5
Sample Type	Composite	Grab	--	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	ND	**1.9E-03**	**6.4E-05**	**5.3E-03**
PFMOAA	**6.2E-05**	**0.02**	**9.2E-05**	**0.01**
PFO2HxA	**1.5E-05**	**0.01**	**6.8E-05**	**0.01**
PFO3OA	ND	**3.6E-03**	**1.1E-05**	**2.6E-03**
PFO4DA	ND	**6.4E-04**	**3.0E-06**	**1.2E-03**
PFO5DA	ND	**3.6E-05**	**3.5E-07**	**4.5E-04**
PMPA	ND	**1.5E-03**	**5.9E-05**	**2.8E-03**
PEPA	ND	**4.9E-04**	**2.1E-05**	**1.1E-03**
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	**4.0E-05**	**1.5E-06**	**1.8E-04**
R-PSDA	ND	**1.6E-04**	**4.0E-06**	**1.7E-04**
Hydrolyzed PSDA	ND	**1.2E-04**	**8.2E-08**	**2.6E-04**
R-PSDCA	ND	**2.5E-06**	ND	ND
NVHOS, Acid Form	ND	**2.5E-04**	**1.1E-06**	**2.8E-04**
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	**4.2E-05**	**2.6E-07**	**1.1E-04**
R-EVE	ND	**4.7E-05**	**2.1E-06**	**6.8E-05**
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**7.6E-05**	**0.03**	**3.1E-04**	**0.04**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**7.6E-05**	**0.03**	**3.1E-04**	**0.04**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**7.6E-05**	**0.03**	**3.3E-04**	**0.04**

TABLE ATT1-14-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY DOWNGRADIENT OF REMEDIES (AFTER REMEDIES)
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**9**	**Sum of All Pathways - Lower Bound**	**Sum of All Pathways - Upper Bound**
Pathway Name	**Georgia Branch Creek**		
Flow (MG)	**1.2**		
Program	**CAP SW Sampling 4Q22**		
Location ID	**GBC-1**		
Field Sample ID	**CAP4Q22-GBC-1-110822**		
Sample Date and Time[2]	**11/08/22**		
Sample Delivery Group (SDG)	**320-94320-1**		
Lab Sample ID	**320-94320-2**		
Sample Type	**Grab**		
Table 3+ Lab SOP Mass Discharge[6] ***(mg/s)***			
HFPO-DA	**0.02**	**0.29**	**0.30**
PFMOAA	**4.1E-03**	**1.02**	**1.21**
PFO2HxA	**0.02**	**0.44**	**0.49**
PFO3OA	**2.9E-03**	**0.07**	**0.07**
PFO4DA	**7.5E-04**	**0.01**	**0.01**
PFO5DA	ND	**4.9E-04**	**4.9E-04**
PMPA	**0.03**	**0.21**	**0.21**
PEPA	**0.01**	**0.06**	**0.06**
PS Acid	ND	**2.5E-04**	**2.5E-04**
Hydro-PS Acid	**8.6E-04**	**3.8E-03**	**3.7E-03**
R-PSDA	**1.3E-03**	**0.01**	**0.01**
Hydrolyzed PSDA	ND	**0.03**	**0.03**
R-PSDCA	ND	**2.5E-06**	**2.5E-06**
NVHOS, Acid Form	**2.0E-04**	**0.15**	**0.15**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	**3.3E-03**	**3.7E-03**
R-EVE	**4.6E-04**	**0.01**	**0.01**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.10**	**2.12**	**2.38**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.10**	**2.28**	**2.54**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.10**	**2.32**	**2.58**

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 mass loads reported here are the sum of these 3 compounds in the stormwater treatment system discharge flow.
5 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Attachment ATT3. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Attachment ATT3.
6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A8 and A9, and 24-hour flow volumes reported in Table A3.
7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A8 and Table A9, 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, and R-EVE.
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.

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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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 [µg/m^2]) provided from ERM (2018) was used to calculate the net hourly deposition rate (nanograms per meters squared per hour [ng/m^2/hr]) using the Equation 1 below:

Equation 1: Net Hourly Deposition Rate

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

where,

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

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

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

Depositional area along the river was calculated using available data for river width and computed river lengths where deposition contours were modeled. Eighteen sections (Figure 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 µg/m^2 were selected, and the length of the Cape Fear River along each of the sections was measured. The average river width calculated in Table 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 µg/m^2 (five sections in total);

L = Total length of river within section "*s"*, typically in m; and

W_s = Average river width in section "*s*", typically in m.

Start and end deposition rates (ng/m^2/hr) for each section along the Cape Fear River will be estimated based on the deposition contours and corresponding net hourly deposition rate (Table 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 (2022) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Table ATT2-3. The combined deposition rate (ng/m^2/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 µg/m^2;

S = total number of sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 µg/m^2, five in total;

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

A_s = spatial area over which deposition occurs in section "*s*", typically in m^2; and

t_s = travel time through the river length in section "*s*", typically in hr.

As reported in the Corrective Action Plan (Geosyntec, 2019), ten offsite groundwater seeps south of Old Outfall 002 (Seeps E to M) were identified on the west bank of the Cape Fear River south

of the Site. Seeps E to M were sampled in October 2019 and Seeps E to K were sampled in March 2020 and analyzed for PFAS. The results of both sampling events indicate that Seeps E to M show an aerial deposition PFAS signature (concentrations decrease in seeps more distant from the Site). Accordingly, the offsite seep data were used to build a relationship between HFPO-DA and other PFAS compounds (Figure 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, 2022. USGS 02105500 Cape Fear River at Wilm O Huske Lock near Tarheel, NC. Available at: https://waterdata.usgs.gov/nwis/uv?site_no=02105500

TABLE ATT2-1
NET HOURLY HFPO-DA DEPOSITION RATE
Chemours Fayetteville Works, North Carolina

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

Notes:

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

Abbreviations:

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

ng /L: nanograms per liter.

$ng/m^2/hr$: nanograms per meter square per hour.

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

Cross section ID*	HEC-RAS Model Point ID**	Easting (ft)	Northing (ft)	Cape Fear River Width at Cross Section (m)
619506	0	2,052,368	399,949	84
	1	2,052,366	399,949	
	2	2,052,334	399,946	
	3	2,052,254	399,938	
	4	2,052,155	399,928	
	5	2,052,095	399,922	
	6	2,052,093	399,922	
614224	18	2,053,460	394,655	163
	19	2,053,436	394,649	
	20	2,053,281	394,613	
	21	2,053,277	394,612	
	22	2,053,180	394,590	
	23	2,053,079	394,566	
	24	2,052,977	394,543	
	25	2,052,949	394,536	
	26	2,052,924	394,531	
616535	7	2,053,113	396,901	91
	8	2,053,070	396,895	
	9	2,052,990	396,886	
	10	2,052,891	396,874	
	11	2,052,831	396,867	
	12	2,052,815	396,865	
613542	21	2,053,373	393,937	89
	22	2,053,349	393,931	
	23	2,053,271	393,913	
	24	2,053,174	393,891	
	25	2,053,115	393,877	
	26	2,053,081	393,869	
614517	13	2,053,209	394,897	76***
	14	2,053,130	394,878	
	15	2,053,032	394,854	
	16	2,052,974	394,840	
	17	2,052,961	394,837	
610240	31	2,053,769	390,652	60***
	32	2,053,729	390,645	
	33	2,053,643	390,630	
	34	2,053,602	390,623	
	35	2,053,572	390,618	
612082	27	2,053,560	392,482	72
	28	2,053,430	392,455	
	29	2,053,370	392,443	
	30	2,053,322	392,433	
606667	1271	2,054,059	387,249	101
	1272	2,054,022	387,215	
	1273	2,053,995	387,190	
	1274	2,053,946	387,145	
	1275	2,053,861	387,067	
	1276	2,053,812	387,023	
	1277	2,053,801	387,012	
	1278	2,053,727	386,945	
608468	1193	2,053,950	388,876	107
	1194	2,053,902	388,874	
	1195	2,053,843	388,871	
	1196	2,053,717	388,866	
	1197	2,053,659	388,864	
	1198	2,053,650	388,863	
	1199	2,053,600	388,861	
606667	1271	2,054,059	387,249	101
	1272	2,054,022	387,215	
	1273	2,053,995	387,190	
	1274	2,053,946	387,145	
	1275	2,053,861	387,067	
	1276	2,053,812	387,023	
	1277	2,053,801	387,012	
	1278	2,053,727	386,945	

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

Cross section ID*	HEC-RAS Model Point ID**	Easting (ft)	Northing (ft)	Cape Fear River Width at Cross Section (m)
600052	1498	2,057,643	382,269	87
	1499	2,057,610	382,246	
	1500	2,057,556	382,208	
	1501	2,057,461	382,141	
	1502	2,057,408	382,103	
	1503	2,057,398	382,096	
	1504	2,057,358	382,067	
604474	1331	2,055,879	386,154	95
	1332	2,055,812	386,120	
	1333	2,055,753	386,090	
	1334	2,055,647	386,037	
	1335	2,055,588	386,007	
	1336	2,055,566	385,996	
597968	1565	2,058,901	380,593	116
	1566	2,058,830	380,549	
	1567	2,058,774	380,515	
	1568	2,058,675	380,453	
	1569	2,058,619	380,418	
	1570	2,058,518	380,356	
602061	1406	2,056,453	383,857	104
	1407	2,056,356	383,798	
	1408	2,056,301	383,763	
	1409	2,056,202	383,702	
	1410	2,056,146	383,667	
	1411	2,056,113	383,647	
594185	1717	2,060,560	377,186	100
	1718	2,060,482	377,157	
	1719	2,060,421	377,134	
	1720	2,060,312	377,094	
	1721	2,060,250	377,071	
	1722	2,060,232	377,065	
596259	1644	2,059,549	379,003	84
	1645	2,059,534	378,996	
	1646	2,059,474	378,970	
	1647	2,059,368	378,923	
	1648	2,059,308	378,896	
	1649	2,059,275	378,881	
587968	2042	2,061,270	371,304	93
	2043	2,061,246	371,290	
	2044	2,061,179	371,252	
	2045	2,061,092	371,203	
	2046	2,061,042	371,174	
	2047	2,060,966	371,131	
591595	1825	2,060,295	374,663	91
	1826	2,060,270	374,661	
	1827	2,060,201	374,658	
	1828	2,060,079	374,653	
	1829	2,060,010	374,650	
	1830	2,059,995	374,649	
590322	1931	2,060,424	373,459	100
	1932	2,060,378	373,442	
	1933	2,060,372	373,439	
	1934	2,060,311	373,416	
	1935	2,060,202	373,376	
	1936	2,060,140	373,353	
	1937	2,060,097	373,336	
Average River Cross Section Width (m) =				**99**

Notes:
*Cross sections locations are shown in Figure G1.
**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)
11/8/2022	975.16	1.36	0	27,613	323	18	2	5,139	0.2
11/9/2022	929.98	1.32	0	26,334	323	18	2	5,128	0.2
11/10/2022	893.99	1.28	0	25,315	323	18	2	5,118	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, 2022).

2) The minimum value recorded by a USGS raingage is 0.01 inches. Anything detected below this threshold is recorded as 0 inches.

3) Z value is an estimated factor used to compute total cross sectional area from river depth.

cfs: cubic feet per second

ft: feet

ft^2: feet squared

ft/s: feet per second

L/s: Liter per second

USGS - United States Geological Survey

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

Location ID	SEEP-E	SEEP-E	SEEP-F	SEEP-F	SEEP-G	SEEP-G	SEEP-H
Field Sample ID	SEEP-E-0930	Seep E-030420	SEEP-F-0923	Seep F-030420	SEEP-G-0911	Seep G-030420	SEEP-H-0905
Sample Date	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1
Lab Sample ID	320-55576-1	1274949	320-55576-2	1274953	320-55576-3	1274957	320-55576-4
Table 3+ SOP (ng/L)							
HFPO-DA	**1,200**	**950**	**1,100**	**1,100**	**700**	**730**	**550**
PFMOAA	**480 J**	**390**	**900**	**730**	**190**	**220**	**140**
PFO2HxA	**800**	**470**	**810**	**640**	**470**	**410**	**350**
PFO3OA	**170**	**83**	**130**	**110**	**57**	**56**	**28**
PFO4DA	**83**	**17**	**7.3**	**9.1**	**9**	**7.9**	<2
PFO5DA	**46**	<2	<2	<2	<2	<2	<2
PMPA	**2,300**	**1,800**	**2,800**	**2,100**	**1,500**	**1,500**	**1,200**
PEPA	**710**	**600**	**870**	**710**	**490**	**520**	**360**
PS Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid	**90**	**24**	**9.6**	**10**	**22**	**11**	**16**
R-PSDA	**220 J**	**53 J**	**92**	**68 J**	**79 J**	**44 J**	**39 J**
Hydrolyzed PSDA	**2.1 J**	<2	<2.9	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2	<2	<2	<2
NVHOS	**15**	**6**	**12**	**8**	**5.4**	**5**	**4.3**
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	**7.7**	**2.3**	**2**	<2	<2	<2	<2
R-EVE	**76**	**20**	**60**	**40**	**39**	**28**	**21 J**
PES	<2	<2	<2.3	<2	<2	<2	<2
PFECA B	<2	<2	<3	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Attachment C (ng/L)[1,2]	**5,900**	**4,300**	**6,600**	**5,400**	**3,400**	**3,500**	**2,600**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**5,900**	**4,300**	**6,600**	**5,400**	**3,400**	**3,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)[2]	**6,200**	**4,400**	**6,800**	**5,500**	**3,600**	**3,500**	**2,700**
Ratio of Total Attachment C to HFPO-DA	**4.9**	**4.5**	**6.0**	**4.9**	**4.9**	**4.8**	**4.7**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.9**	**4.5**	**6.0**	**4.9**	**4.9**	**4.8**	**4.7**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.2**	**4.6**	**6.2**	**5.0**	**5.1**	**4.8**	**4.9**
Average Ratio of Total Attachment C to HFPO-DA	**4.85**						
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**						

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

Location ID	SEEP-H	SEEP-I	SEEP-I	SEEP-J	SEEP-J	SEEP-K	SEEP-K
Field Sample ID	Seep H-030420	SEEP-I-0856	Seep I-030420	SEEP-J-0843	Seep J-030420	SEEP-K-0835	Seep K-030420
Sample Date	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227
Lab Sample ID	1274961	320-55576-5	1274965	320-55576-6	1274969	320-55576-7	1274973
Table 3+ SOP (ng/L)							
HFPO-DA	**540**	**570**	**470**	**580**	**250**	**640**	**490**
PFMOAA	**180**	**130**	**200**	**180 J**	**140**	**160**	**210**
PFO2HxA	**330**	**300**	**280**	**350 J**	**130**	**320**	**230**
PFO3OA	**30**	**17**	**18**	**120 J**	**16**	**41**	**28**
PFO4DA	<2	<2	<2	**58**	**4.7**	**11**	**5**
PFO5DA	<2	<2	<2	**20 J**	**2.2**	**4.8**	<2
PMPA	**1,100**	**1,200**	**1,100**	**810 J**	**660**	**1,300**	**1,000**
PEPA	**360**	**390**	**390**	**260**	**200**	**400**	**350**
PS Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid	**9.3**	**12**	**12**	**37**	**6.9**	**70**	**16**
R-PSDA	**30 J**	**53 J**	**36**	**110 J**	**23**	**130 J**	**49**
Hydrolyzed PSDA	<2	<2	<2	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2	<2	<2	<2
NVHOS	**3.7**	**4.4**	**4.5**	**8.1 J**	**2.8**	**5.2**	**4.7**
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	**2.7**	<2	**3.5**	<2
R-EVE	**20**	**23 J**	**17**	**16**	**13**	**46 J**	**25**
PES	<2	<2	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Attachment C (ng/L)[1,2]	**2,500**	**2,600**	**2,500**	**2,400**	**1,400**	**2,900**	**2,300**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**2,600**	**2,600**	**2,500**	**2,400**	**1,400**	**3,000**	**2,300**
Total Table 3+ (20 Compounds) (ng/L)[2]	**2,600**	**2,700**	**2,500**	**2,600**	**1,400**	**3,100**	**2,400**
Ratio of Total Attachment C to HFPO-DA	**4.6**	**4.6**	**5.3**	**4.1**	**5.6**	**4.5**	**4.7**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.8**	**4.6**	**5.3**	**4.1**	**5.6**	**4.7**	**4.7**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**4.8**	**4.7**	**5.3**	**4.5**	**5.6**	**4.8**	**4.9**
Average Ratio of Total Attachment C to HFPO-DA	**4.85**						
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**						

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

Location ID	SEEP-L	SEEP-M
Field Sample ID	SEEP-L-0825	SEEP-M-0818
Sample Date	10/22/2019	10/22/2019
QA/QC	--	--
Sample Delivery Group (SDG)	320-55576-1	320-55576-1
Lab Sample ID	320-55576-8	320-55576-9
Table 3+ SOP (ng/L)		
HFPO-DA	**520**	**570**
PFMOAA	**130**	**100**
PFO2HxA	**220**	**190**
PFO3OA	**18**	**15**
PFO4DA	**2.7**	<2
PFO5DA	<2	<2
PMPA	**1,200**	**1,300**
PEPA	**350**	**410**
PS Acid	<2	<2
Hydro-PS Acid	**44**	**28**
R-PSDA	**120 J**	**78 J**
Hydrolyzed PSDA	<2	<2
R-PSDCA	<2	<2
NVHOS	**5.9**	**5.6**
EVE Acid	<2	<2
Hydro-EVE Acid	<2	<2
R-EVE	**44 J**	**26 J**
PES	<2	<2
PFECA B	<2	<2
PFECA-G	<2	<2
Total Attachment C (ng/L)[1,2]	**2,500**	**2,600**
Total Table 3+ (17 Compounds) (ng/L)[2,3]	**2,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)[2]	**2,700**	**2,700**
Ratio of Total Attachment C to HFPO-DA	**4.8**	**4.6**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.8**	**4.6**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.2**	**4.7**
Average Ratio of Total Attachment C to HFPO-DA	**4.85**	
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**	
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**	

Notes:
Bold - Analyte detected above associated reporting limit
J - Analyte detected. Reported value may not be accurate or precise
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.
1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
2 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.
3 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

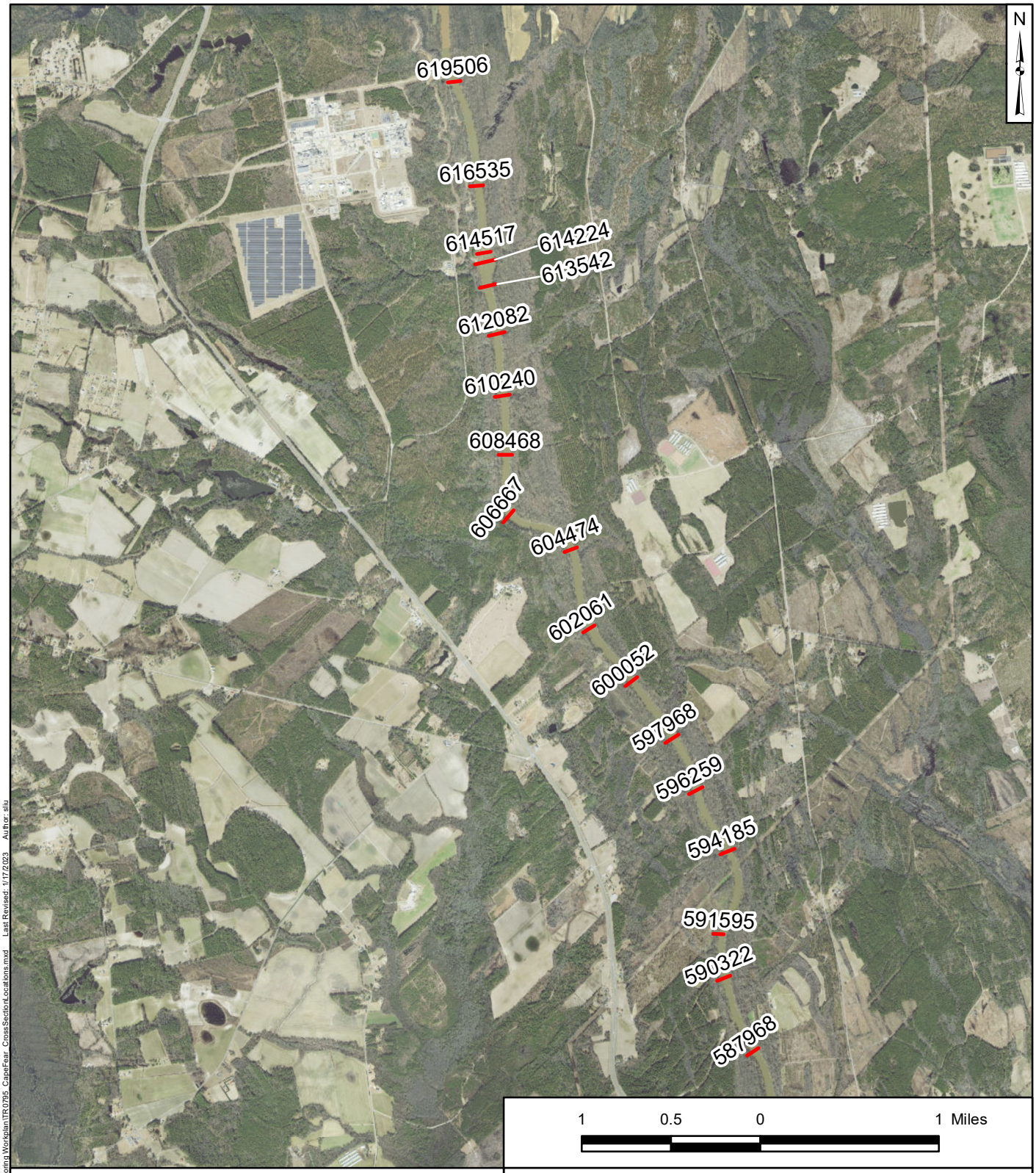
TABLE ATT2-5
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m^2)	End Air Loading (ug/m^2)	Start Deposition Rate $(ng/m^2/hr)^2$	End Deposition Rate $(ng/m^2/hr)^2$	Average Deposition Rate ($ng/m^2/hr$)	Section Distance[3] (m)	Average River Width (m)	Section Area (m^2)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	89,028	0.2	199.62	4.52	7.4	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	48,300	0.2	199.62	2.45	1.6	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	89,570	0.2	199.62	4.55	2.8	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	57,813	0.2	199.62	2.94	2.3	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	55,672	0.2	199.62	2.83	1.1	0.00011
											Total HFPO-DA:		**0.0011**
											Total Attachment C[5]:		**0.005**
											Total Table 3+ (17 Compounds)[6]:		**0.006**
											Total Table 3+ (20 Compounds):		**0.006**

Notes:

1. River cross sections are shown in Figure 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 November 8 to 9, 2022, 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.

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



Legend

Cross Section

Notes:

1. Cape Fear River cross section locations obtained from "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear RiverADJ. HEC-RAS 5.0.7.
2. Cross sections used for calculation of average river widths for calculation of aerial mass loading.
3. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_CapeFear_CrossSectionLocations.mxd Last Revised: 1/17/2023 Author: sliu

Cape Fear River Cross Sections Locations

Chemours Fayetteville Works, North Carolina

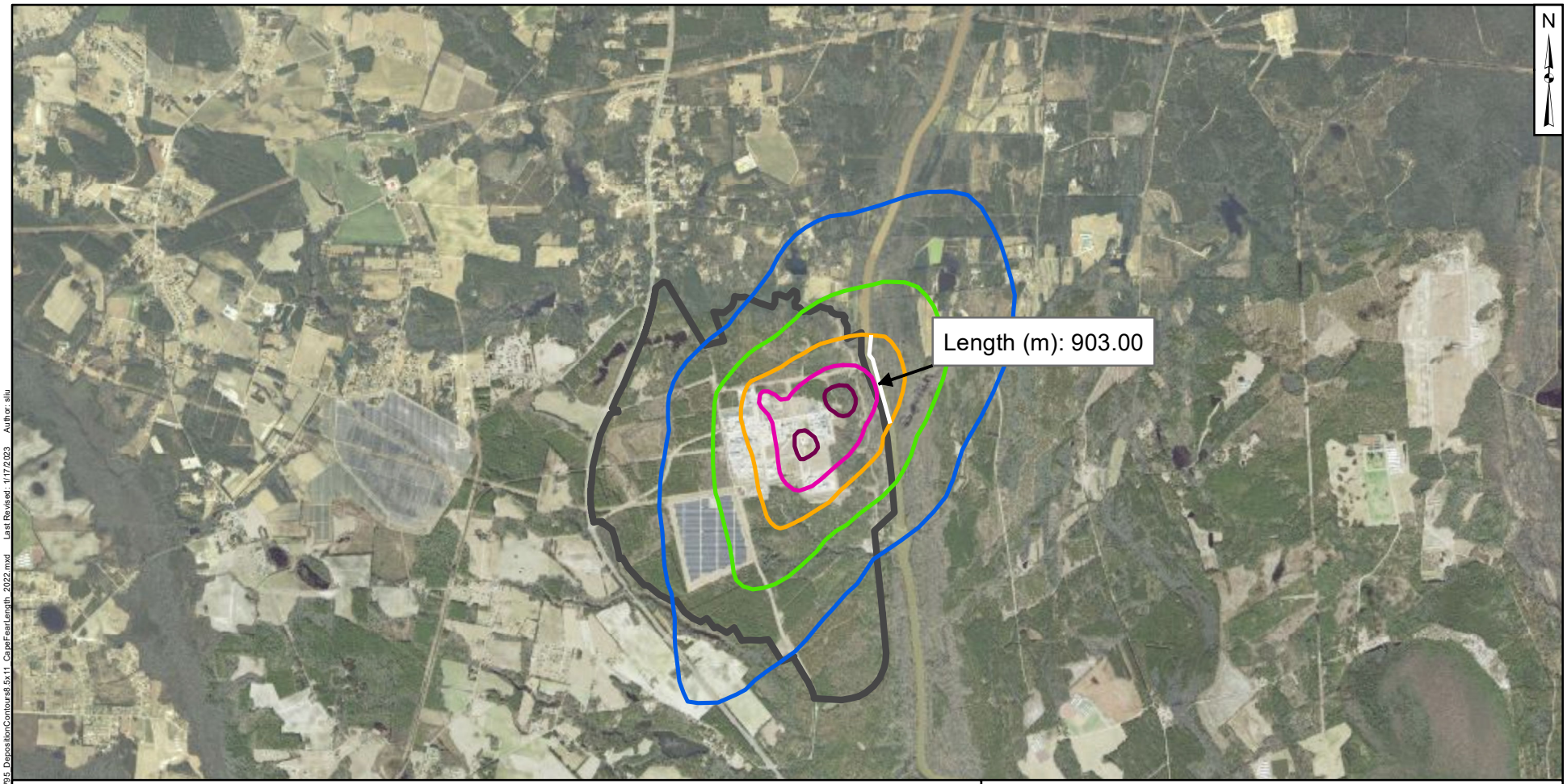
Geosyntec consultants

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

Raleigh | March 2023

Figure

ATT2-1



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

Notes:
µg / m^2/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Center Section

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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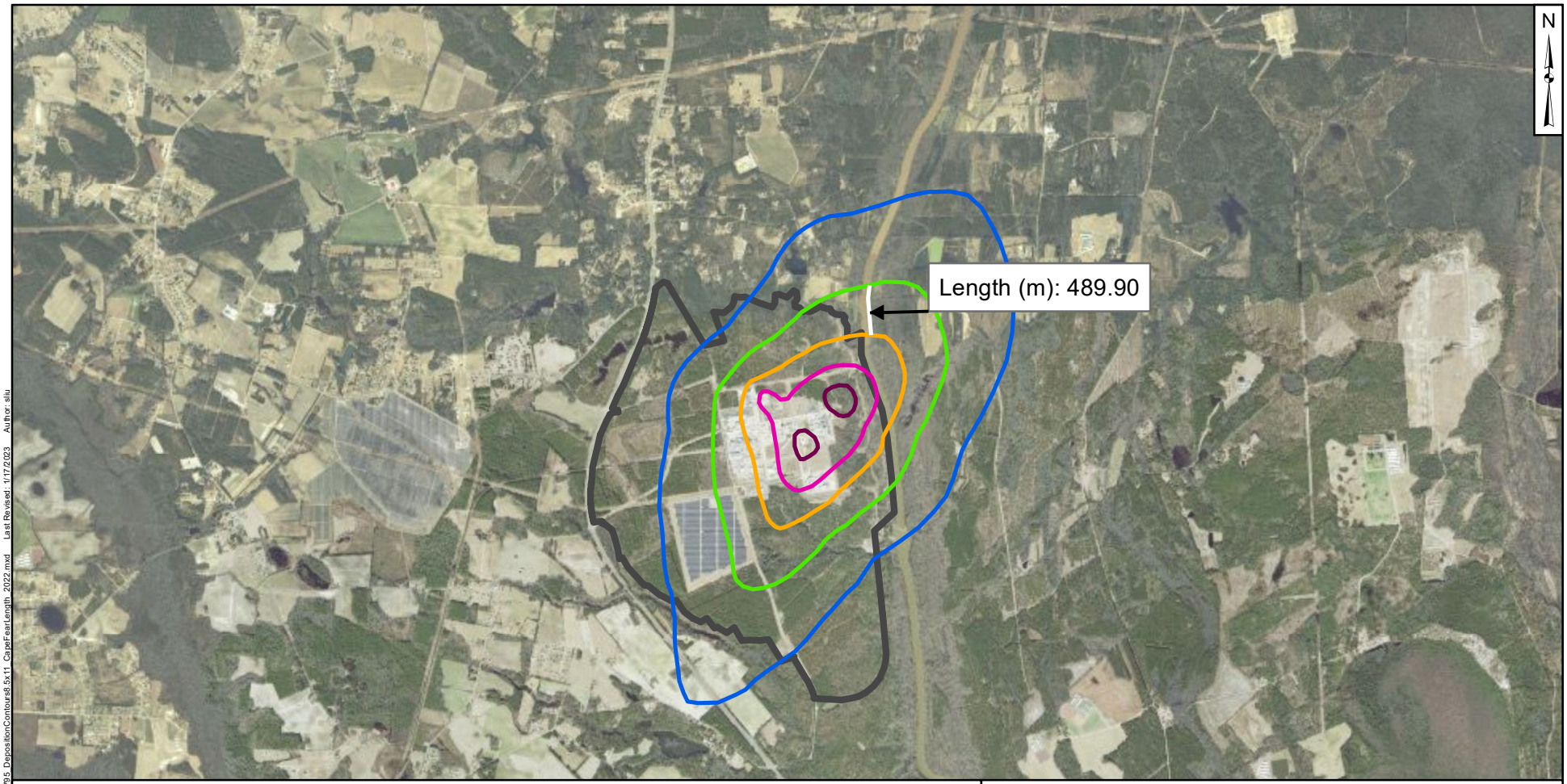
Figure
ATT2-2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 DepositionContours8.5x11 CapeFearLength 2022.mxd Last Revised: 1/17/2023 Author: slu

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:
µg / m²/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Up-River Section 1

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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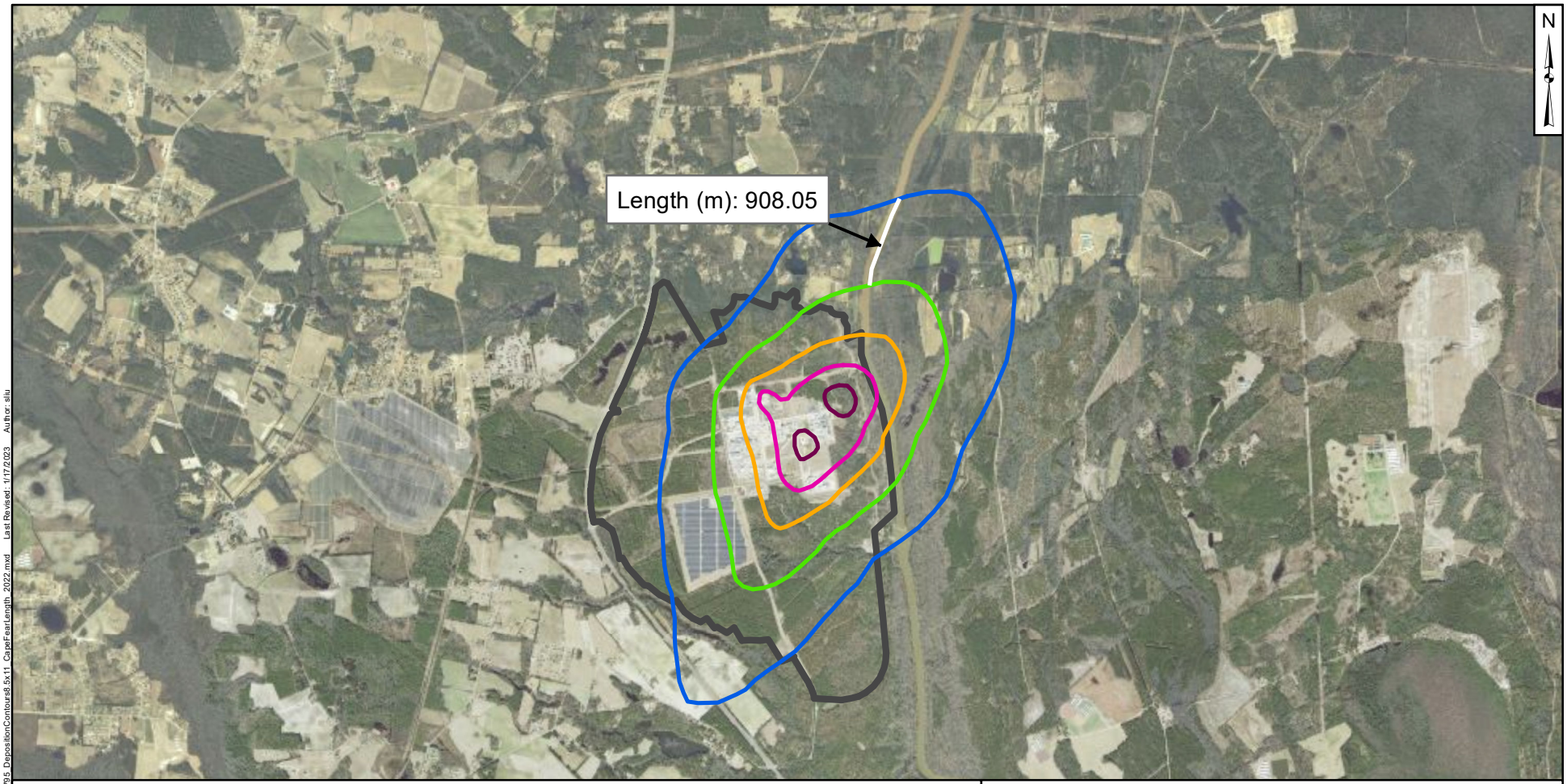
Figure
ATT2-3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 DepositionContours8.5x11 CapeFearLength 2022.mxd Last Revised: 1/17/2023 Author: slu

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:
µg / m²/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Up-River Section 2

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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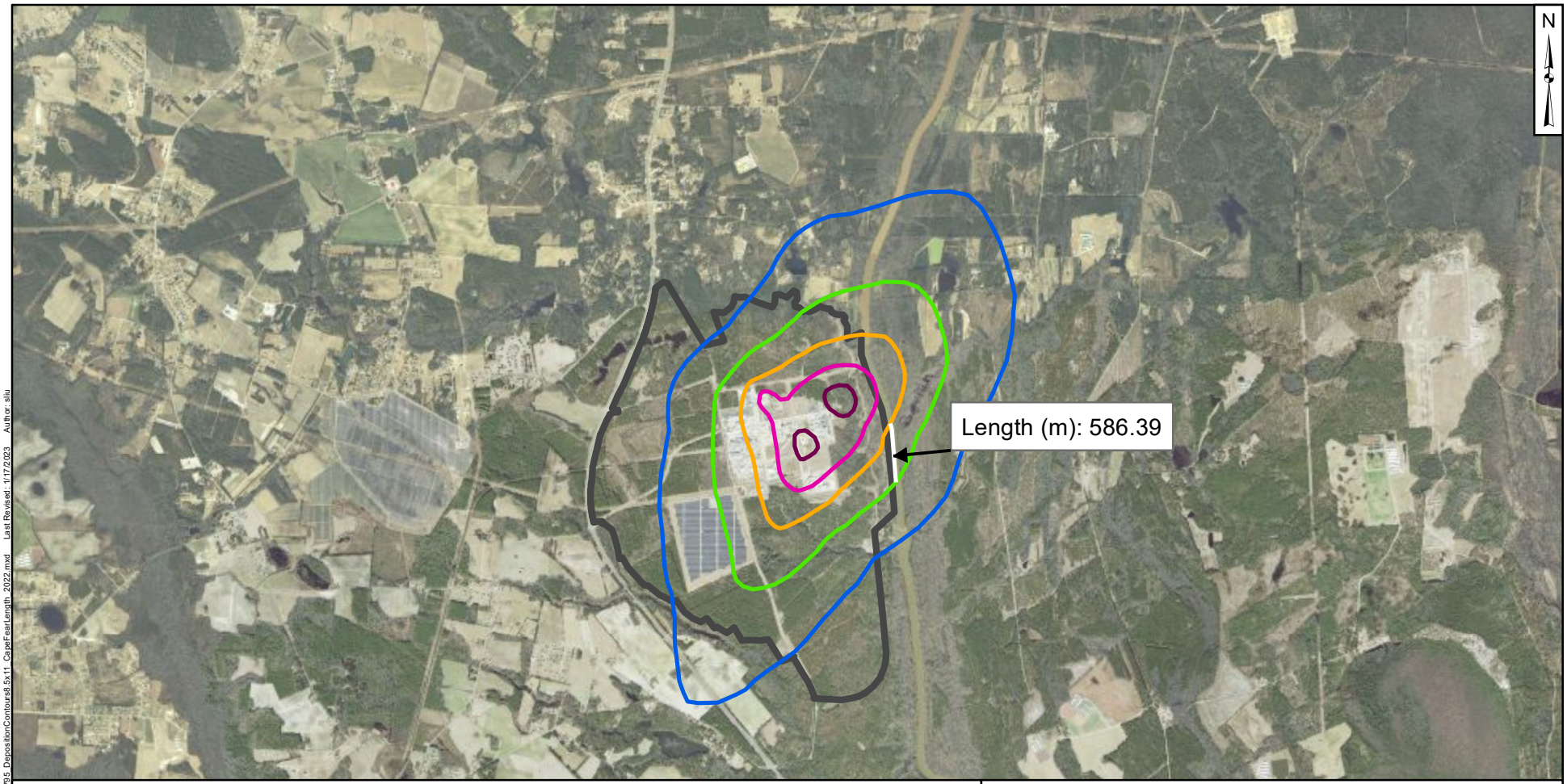
Figure
ATT2-4

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2022.mxd Last Revised: 1/17/2023 Author: slu

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:
µg / m²/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Down-River Section 1

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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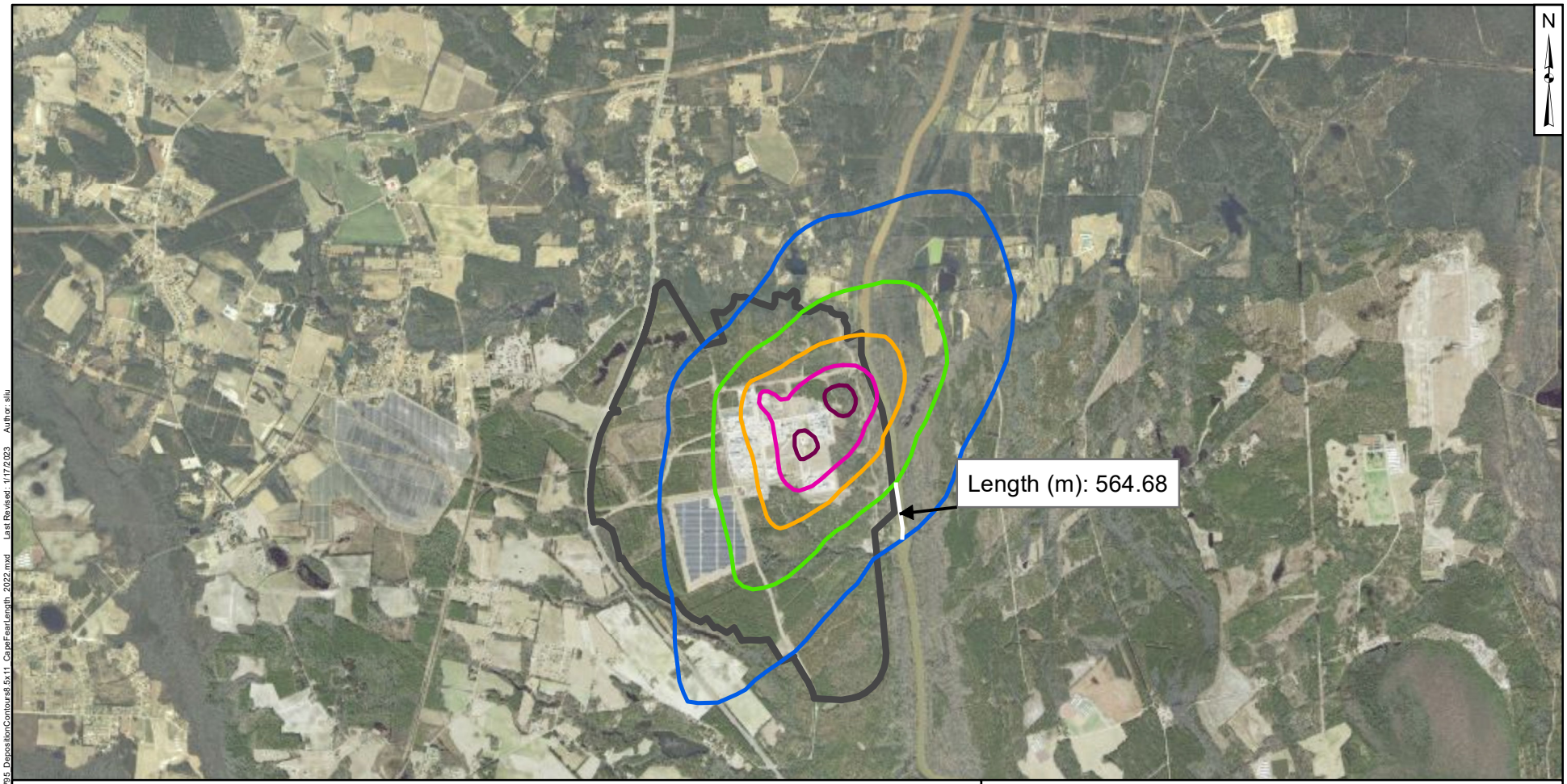
Figure
ATT2-5

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2022.mxd Last Revised: 1/17/2023 Author: slu

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

- 40 µg/m²/yr
- 80 µg/m²/yr
- 160 µg/m²/yr
- 320 µg/m²/yr
- 640 µg/m²/yr

Notes:
µg / m²/ yr - micrograms per square meter per year

HFPO-DA deposition model contours for October 2018 from ERM, 2018, Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Down-River Section 2

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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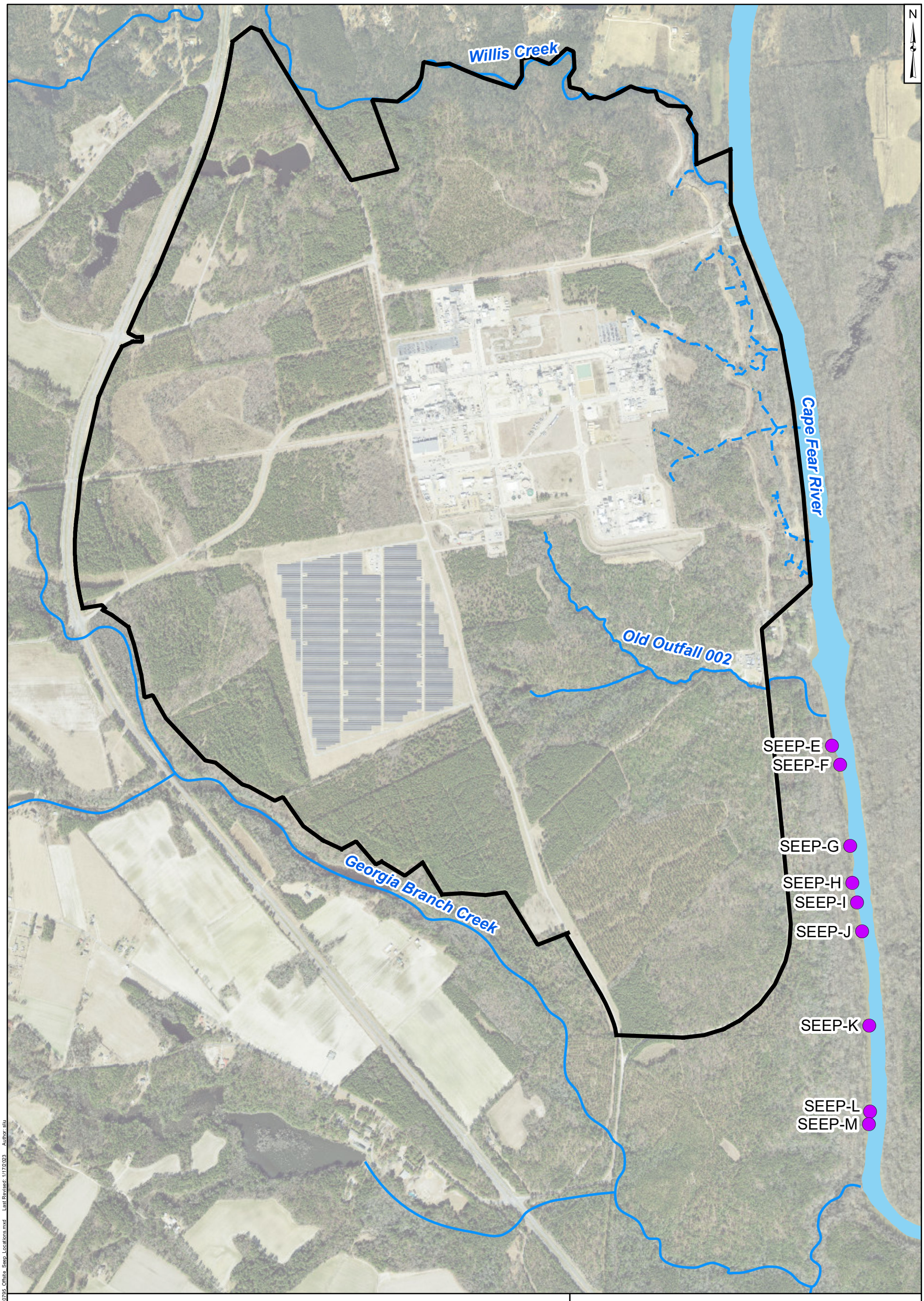
Figure
ATT2-6

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2022.mxd Last Revised: 1/17/2023 Author: slu

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



Legend

- Observed Seep
- Nearby Tributary
- Site Boundary

Notes:
1. Seep E to M samples were collected where the seeps entered the Cape Fear River. Their locations on this figure have been slightly adjusted to facilitate interpretation so that they do not appear to be in the Cape Fear River.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

1,000 500 0 1,000 Feet

Southwestern Offsite Seeps Locations

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure
ATT2-7

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Offsite_Seep_Locations.mxd Last Revised: 1/17/2023 Author: slu

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

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 design in this report. The objective of the supporting calculations presented in this appendix is to estimate PFAS mass loading from onsite groundwater discharge based on calculated PFAS mass flux for segments of the Black Creek Aquifer along the river frontage.

Approach

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

1. The Cape Fear River frontage was divided into nine segments (Figure ATT3-1). Each segment includes one groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action Plan[1] (Geosyntec, 2019).

2. The thickness of the Black Creek Aquifer (h) was estimated for each segment based on the segment length and the cross-sectional area of the Black Creek Aquifer, as determined by the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Geosyntec, 2019):

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

where,

h = the Black Creek Aquifer thickness [ft];

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

l = the segment length [ft].

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

[1] The Black Creek Aquifer is not observed in boreholes from Segment 4 suggesting a localized "pinch-out" of the Black Creek Aquifer in Segment 4. The monitoring well used to determine PFAS mass loading in this segment is screened in the Floodplain Deposits (LTW-03).

3. The hydraulic gradient (i) was derived based on the groundwater level contour map. For each segment, two gradients were estimated based on the distance between two sets of contour lines in the vicinity of the river frontage (Figure ATT 3-3):

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

where,

i = the hydraulic gradient [ft/ft];

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

d = the estimated distance between the contour lines [ft]

For each segment, a range of hydraulic gradients was calculated using two different contour elevation differences in the vicinity of the river frontage: a 10-foot elevation difference (between the 40 and 50 ft contours) and a 20-foot elevation difference (between the 40 and 60 ft contours). Using two contour elevation differences captures the variation in hydraulic gradient estimates over a range of spatial scales. This approach is considered to best represent the likely groundwater fluxes discharging from the Black Creek Aquifer to the Cape Fear River. Based on hydrographs from wells along the river presented in Figure 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 a subdued manner.

4. The hydraulic conductivity (K) was estimated for each segment using the results of constant rate tests performed at five extraction wells installed in the Black Creek Aquifer upstream of the river frontage (Geosyntec, 2021). The extraction wells used to determine the hydraulic conductivity for each segment are as follows, based on their locations relative to the segments (Figure 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 monitoring wells. PFAS analytical results for these groundwater samples are presented in Table ATT1-15-1 and ATT1-15-2 in Attachment 1 of this report.

6. Mass flux for each segment, representing the PFAS mass loading to the river from groundwater, was determined as follows:

$$Q = lhKiCf$$

where,

Q = the mass flux [mg/sec];

l = the segment length [ft];

h = the Black Creek Aquifer thickness [ft];

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

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

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

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

The upper and lower bound of the total mass flux for the groundwater pathway was calculated as the sum of the individual mass flux results for the eight segments. Parameters listed above were also used to estimate groundwater flow rates, shown in Table ATT3-2.

Potential Future Methodology Modifications

Periodically, adjustments to this calculation methodology may be required based on changes in conditions or refinement of Site knowledge.

References

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

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

TABLE ATT3-1
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Attachment C[4]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	11/18/2022	1,150	13,400	11.7	10	182.2	20	595.8	0.055	0.034	1.71E-04	40,000	0.1419	0.0868
2	PIW-3D	11/17/2022	873	11,010	12.6	10	239.9	20	636.5	0.042	0.031	1.71E-04	37,000	0.0820	0.0618
3	LTW-02	11/17/2022	875	5,560	6.4	10	610.5	20	1046.5	0.016	0.019	1.02E-04	25,000	0.0066	0.0077
4	LTW-03	11/17/2022	729	2,800	3.9	10	661.6	20	1025.7	0.015	0.019	1.02E-04	140,000	0.0173	0.0223
5	PZ-22	11/17/2022	656	15,200	23.2	10	774.4	20	1172.6	0.013	0.017	3.28E-04	180,000	0.3291	0.4347
6	PIW-7D	11/16/2022	524	16,000	30.5	10	674.3	20	1070.7	0.015	0.019	3.28E-04	270,000	0.5937	0.7478
7	LTW-05	11/17/2022	672	11,800	19.4	10	635.8	20	998.1	0.016	0.020	1.28E-04	200,000	0.1488	0.1895
8	OW-28	11/16/2022	594	15,500	26.0	10	521.3	20	886.8	0.019	0.023	2.59E-04	20,000	4.35E-02	0.0512
9	OW-33	11/16/2022	1607	46,300	28.8	10	551.1	20	922.5	0.018	0.022	2.59E-04	19,000	1.17E-01	0.1400
													Total	**1.48**	**1.74**

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 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the November 2022 synoptic well gauging round (Figure ATT3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
4 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
6 - Detailed PFAS Concentrations provided in Table A9.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE ATT3-1
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (17 Compounds)[5]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference)[2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference)[2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	11/18/2022	1,150	13,400	11.7	10	182.2	20	595.8	0.055	0.034	1.71E-04	40,000	0.1419	0.0868
2	PIW-3D	11/17/2022	873	11,010	12.6	10	239.9	20	636.5	0.042	0.031	1.71E-04	37,000	0.0820	0.0618
3	LTW-02	11/17/2022	875	5,560	6.4	10	610.5	20	1046.5	0.016	0.019	1.02E-04	25,000	0.0066	0.0077
4	LTW-03	11/17/2022	729	2,800	3.9	10	661.6	20	1025.7	0.015	0.019	1.02E-04	140,000	0.0173	0.0223
5	PZ-22	11/17/2022	656	15,200	23.2	10	774.4	20	1172.6	0.013	0.017	3.28E-04	180,000	0.3291	0.4347
6	PIW-7D	11/16/2022	524	16,000	30.5	10	674.3	20	1070.7	0.015	0.019	3.28E-04	270,000	0.5937	0.7478
7	LTW-05	11/17/2022	672	11,800	19.4	10	635.8	20	998.1	0.016	0.020	1.28E-04	200,000	0.1488	0.1895
8	OW-28	11/16/2022	594	15,500	26.0	10	521.3	20	886.8	0.019	0.023	2.59E-04	20,000	0.0435	0.0512
9	OW-33	11/16/2022	1607	46,300	28.8	10	551.1	20	922.5	0.018	0.022	2.59E-04	20,000	0.1233	0.1474
													Total	**1.49**	**1.75**

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 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the November 2022 synoptic well gauging round (Figure ATT3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
4 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
6 - Detailed PFAS Concentrations provided in Table A9.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE ATT3-1
ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (20 Compounds)		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	11/18/2022	1,150	13,400	11.7	10	182.2	20	595.8	0.055	0.034	1.71E-04	41,000	0.1454	0.0890
2	PIW-3D	11/17/2022	873	11,010	12.6	10	239.9	20	636.5	0.042	0.031	1.71E-04	38,000	0.0842	0.0635
3	LTW-02	11/17/2022	875	5,560	6.4	10	610.5	20	1046.5	0.016	0.019	1.02E-04	25,000	0.0066	0.0077
4	LTW-03	11/17/2022	729	2,800	3.9	10	661.6	20	1025.7	0.015	0.019	1.02E-04	150,000	0.0185	0.0238
5	PZ-22	11/17/2022	656	15,200	23.2	10	774.4	20	1172.6	0.013	0.017	3.28E-04	180,000	0.3291	0.4347
6	PIW-7D	11/16/2022	524	16,000	30.5	10	674.3	20	1070.7	0.015	0.019	3.28E-04	270,000	0.5937	0.7478
7	LTW-05	11/17/2022	672	11,800	19.4	10	635.8	20	998.1	0.016	0.020	1.28E-04	200,000	0.1488	0.1895
8	OW-28	11/16/2022	594	15,500	26.0	10	521.3	20	886.8	0.019	0.023	2.59E-04	20,000	0.0435	0.0512
9	OW-33	11/16/2022	1607	46,300	28.8	10	551.1	20	922.5	0.018	0.022	2.59E-04	20,000	0.1233	0.1474
													Total	**1.49**	**1.75**

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 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the November 2022 synoptic well gauging round (Figure ATT3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
4 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
6 - Detailed PFAS Concentrations provided in Table A9.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE ATT3-2
NOVEMBER 2022 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Hydraulic Gradient (Lower Elevation Difference)[1,2] (ft/ft)	Hydraulic Gradient (Upper Elevation Difference)[1,2] (ft/ft)	Hydraulic Conductivity (ft/sec)[1]	Flow Lower Bound (ft^3/sec)	Flow Upper Bound (ft^3/sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,400	0.055	0.034	1.71E-04	1.3E-01	7.66E-02	80,969	49,524
2	11,010	0.042	0.031	1.71E-04	7.8E-02	5.90E-02	50,598	38,145
3	5,560	0.016	0.019	1.02E-04	9.3E-03	1.08E-02	5,987	6,985
4	2,800	0.015	0.019	1.02E-04	4.4E-03	5.61E-03	2,813	3,628
5	15,200	0.013	0.017	3.28E-04	6.5E-02	8.53E-02	41,728	55,117
6	16,000	0.015	0.019	3.28E-04	7.8E-02	9.78E-02	50,188	63,218
7	11,800	0.016	0.020	1.28E-04	2.4E-02	3.02E-02	15,305	19,499
8	15,500	0.019	0.023	2.59E-04	7.7E-02	9.04E-02	49,676	58,398
9	46,300	0.018	0.022	2.59E-04	2.2E-01	2.60E-01	140,754	168,168
					0.678	**0.716**	**438,018**	**462,682**

Notes

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

2 - Hydraulic gradient determined using a lower groundwater contour elevation difference (10 ft) and an upper groundwater contour elevation difference (20 ft).

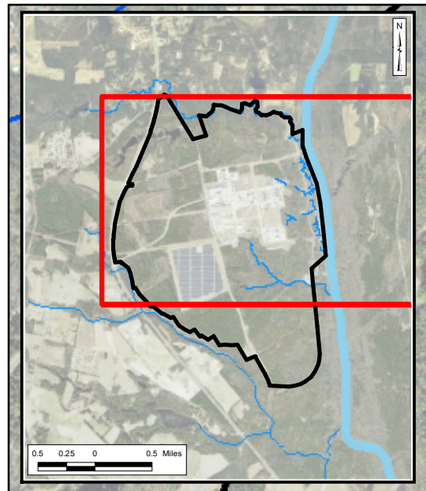
ft - feet

ft^2 - square feet

ft/sec - feet per second

ft^3/sec - cubic feet per second

gal/day - gallons per day



Willis Creek

PIW-1S
PIW-1D
EW-1
PIW-3D
Seep A
EW-4
Seep B
PZ-22
EW-5
PIW-7D
PIW-7S
EW-2
Seep C
Seep D
OW-28
EW-3
OW-33
Old Outfall 002

Segment 1
Segment 2
LTW-02
Segment 3
LTW-03
Segment 4
Segment 5
Segment 6
LTW-05
Segment 7
Segment 8
Segment 9

Cape Fear River

N

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

Notes:
1. Due to the scale of the map, pairs of wells that are in close proximity have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
3. Constant rate tests conducted at extraction wells were used to calculate hydraulic conductivity for nearby segments as shown in Table ATT3-1 and described in the Attachment ATT3.
4. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Black Creek Aquifer Segments for Groundwater Pathway

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

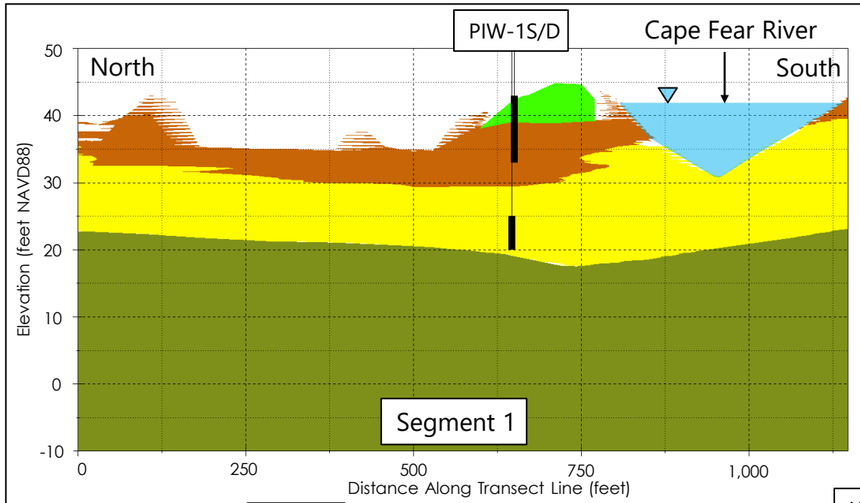
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

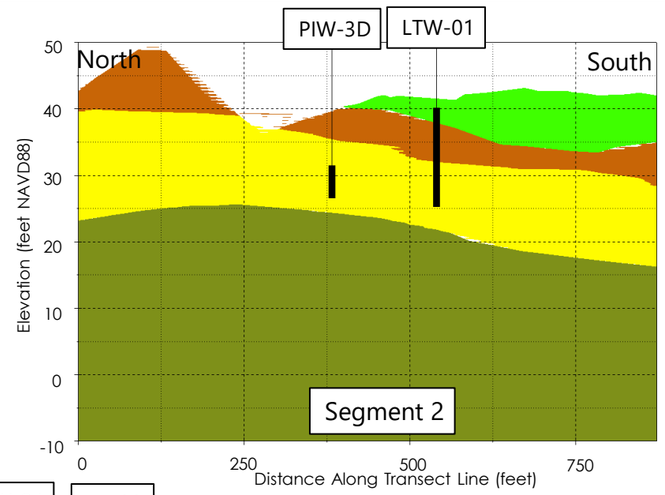
Raleigh | March 2023

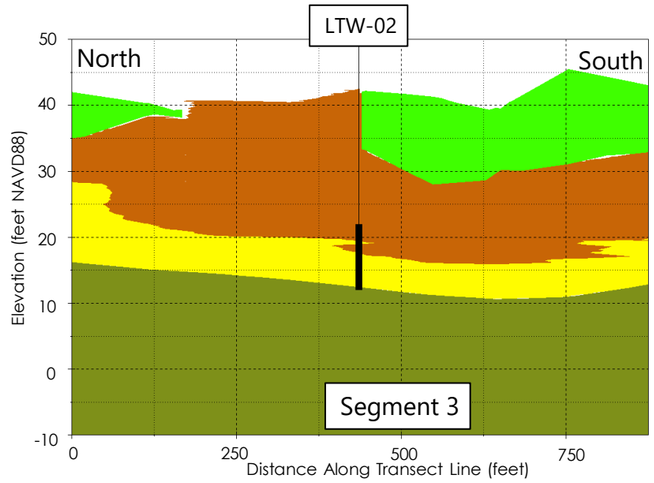
Figure
ATT3-1

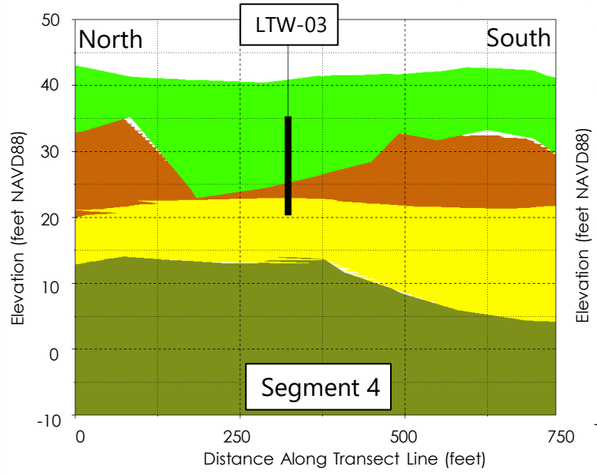
Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Black CreekAquiferSegmentsforGroundwaterPathway_Q42022.mxd Last Revised: 2/10/2023 Author: JKasunic

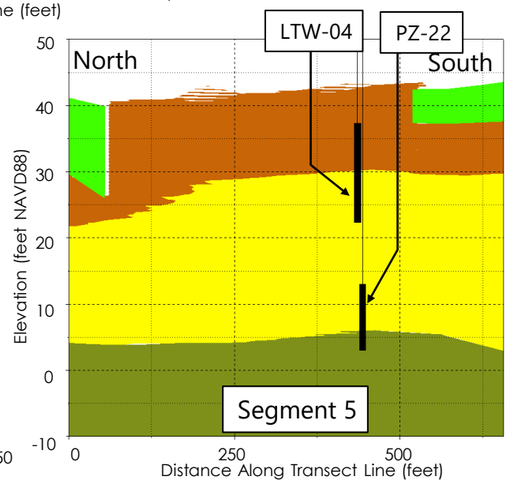
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

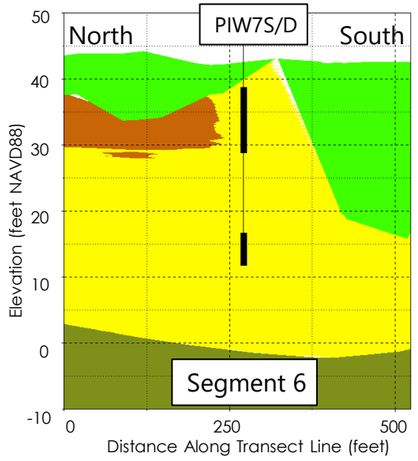


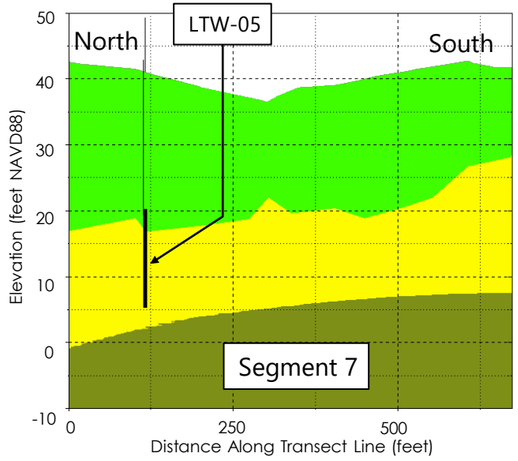


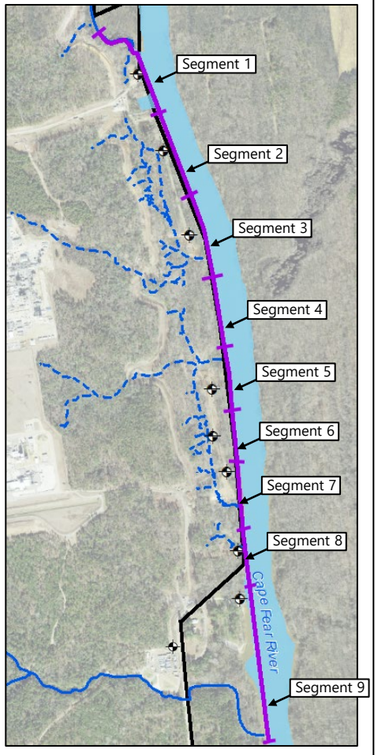


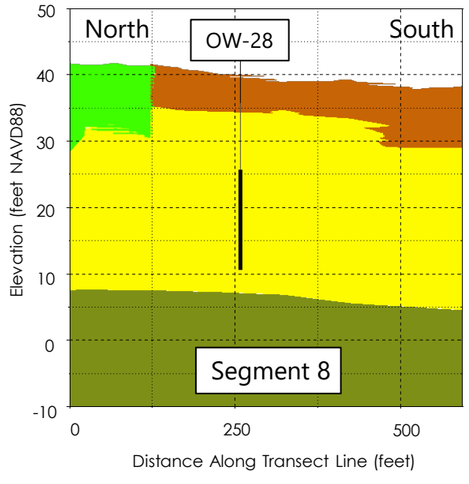


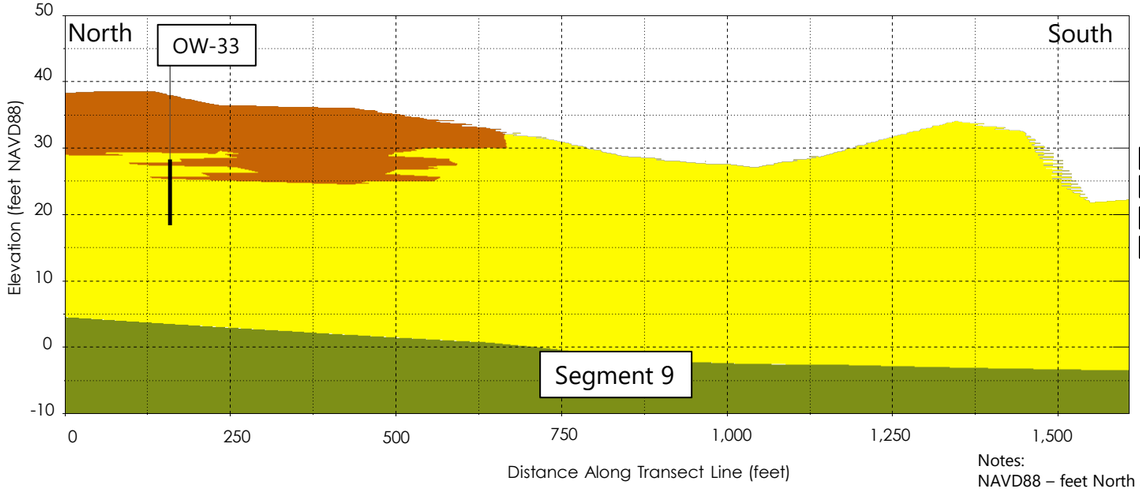












Legend

Well screen[1]

Units

- Floodplain Deposits
- Black Creek Confining Unit
- Black Creek Aquifer
- Upper Cape Fear Confining Unit

Notes:
NAVD88 – feet North America Datum of 1988
Vertical Exaggeration = 10x
1. Wells are projected onto the cross-section.

Cross-Sections Along Cape Fear River Transect Line
Chemours Fayetteville Works, North Carolina

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

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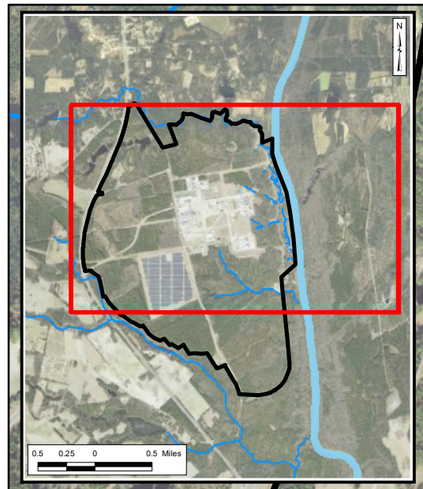
Figure
ATT3-2



Willis Creek

PW-09 47.44
PIW-11 43.13
PIW-12 33.82
PIW-13 33.56
PIW-14 33.84
SMW-12 32.97
PIW-15 32.40
PIW-1S 32.25
PIW-1D 32.15
OW-1 57.81
OW-10 56.83
EW-1 57.60
PIW-2D 57.85
PIW-3D 35.64
LTW-01 35.86
LTW-02 43.02
PIW-4D 43.57
PW-10R 47.69
LTW-03 38.24
PIW-6S 38.35
LTW-04 41.70
PZ-22 43.21
PIW-7S 42.32
PIW-7D 43.18
LTW-05 41.29
PIW-8D 41.31
PIW-9D NM
EW-2 NM
OW-6 NM
PIW-10DR 59.47
OW-33 40.38
PW-11 NM
EW-5 44.84
OW-7 44.77
OW-8 44.04
EW-3 NM
OW-4 NM
OW-5 NM
OW-9 NM
PW-15R NM
EW-4 49.16
OW-2 48.70
OW-3 49.45
BCA-01 NM
BCA-02 NM
BCA-03R 97.13
SMW-03B 88.65
PW-12 89.65
PW-13 111.69
PW-14 NM
PIW-16D 124.45
BCA-04 116.97
OW-28 39.91

Cape Fear River

Segment 1 0.055 0.034
Segment 2 0.042 0.031
Segment 3 0.016 0.019
Segment 4 0.015 0.019
Segment 5 0.013 0.017
Segment 6 0.015 0.019
Segment 7 0.016 0.020
Segment 8 0.019 0.023
Segment 9 0.018 0.022

Seep A
Seep B
Seep C
Seep D

Old Outfall 002

40 50 60 70 80 90 100 110 120

Legend

- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Transect Line
- Site Boundary

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

Notes:
ft - feet
ft NAVD88 - feet North American Vertical Datum 1988.
NA - Not Available; Depth to water was measured at the well but the top of casing had not been surveyed at the time of this reporting period.
NM - Not Measured; Well is inaccessible while it is being pumped for the Black Creek Aquifer interim pumping program.
1. Depth to water measurements collected on November 10, 2022 were used to generate contours.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The hydraulic gradients were derived using the groundwater level contours shown here, based on the horizontal distance between the 40 and 50 foot contours (the lower elevation difference) and the 40 and 60 foot contours (the upper elevation difference). Vertical and horizontal distances used to estimate hydraulic gradient are provided in Table ATT3-1.
5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
6. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map and Hydraulic Gradients - November 2022

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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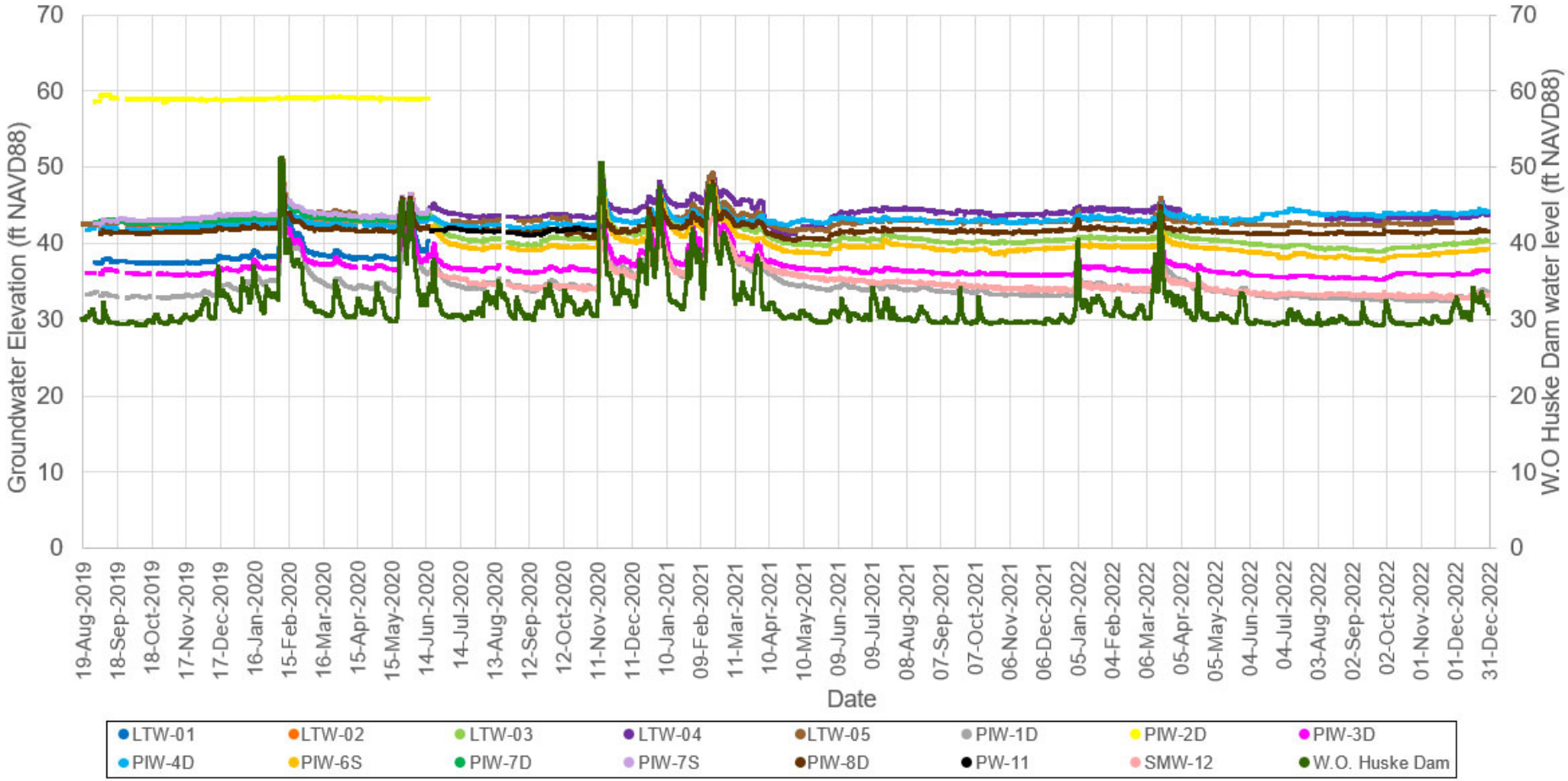
Figure ATT3-3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Elevation_Map_and_Hydraulic_Conductivities_Q42022.mxd Last Revised: 2/24/2023 Author: JKasunic

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



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

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

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

Raleigh | March 2023

Figure **ATT3-4**

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
Table 3+ SOP (ng/L)					
HFPO-DA	<15	**6.3**	**11**	**10**	**18**
PFMOAA	**26**	**29**	**35**	**42**	**47**
PFO2HxA	**9.3**	**8.9**	**15**	**14**	**21**
PFO3OA	**2.1**	<2	**3.9**	**3.3**	**4.8**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**15**	**12**	**24**	**17**	**31**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	**8.5**	**7.9**	**14 J**
Hydrolyzed PSDA	**8.2 J**	**8.4 J**	**26**	**14 J**	**17 B**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**2.3**	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.1 J**	<2	**6.6**	<2	**2.8 J**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**16 J**	**13 J**	**12**	**12**	**11**
Total Attachment C[1,2]	**52**	**56**	**89**	**86**	**120**
Total Table 3+ (17 compounds)[2,3]	**52**	**56**	**91**	**86**	**120**
Total Table 3+ (20 compounds)[2]	**63**	**65**	**130**	**110**	**160**

TABLE 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-83-040620	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
Table 3+ SOP (ng/L)					
HFPO-DA	**17**	**20**	**5.5**	**12**	**11**
PFMOAA	**56**	**94**	**28**	**51**	**53**
PFO2HxA	**22**	**33**	**11**	**19**	**19**
PFO3OA	**5.5**	**8.1**	**2.6**	**5.1**	**4.8**
PFO4DA	<2	**2.8**	<2	<2	<2
PFO5DA	<2	**4.9**	**6.9**	**5.5**	<2
PMPA	**24**	**31**	**17**	**25**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**11**	**13**	<2	<2	**7.5**
Hydrolyzed PSDA	**20 J**	**31**	**9.6**	**17**	**23**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.1**	**5**	<2	<2	**2.8**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	**3.4**	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**8.5**	--	--	--	--
Total Attachment C[1,2]	**120**	**190**	**71**	**120**	**110**
Total Table 3+ (17 compounds)[2,3]	**130**	**200**	**71**	**120**	**110**
Total Table 3+ (20 compounds)[2]	**160**	**250**	**81**	**130**	**140**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**12**	**6.2**	**9.4**	**13 J**
PFMOAA	**59**	**27**	**18**	**34**	**69**
PFO2HxA	**24**	**16**	**9.8**	**14**	**27**
PFO3OA	**5.8**	**3.5**	**2.1**	**3.8**	**6.7**
PFO4DA	<2	<2	<2	<2	**2 J**
PFO5DA	<2	<2	<2	<2	<2
PMPA	**23**	**24**	**15**	**18**	**22**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2	<2 UJ
Hydro-PS Acid	<2	<2	<2	<2	<2 UJ
R-PSDA	**13**	**20**	**11**	**13**	**12 J**
Hydrolyzed PSDA	**27**	**18**	**12**	**15**	**34 J**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3.9**	**3.3**	<2	**2.3**	**2.9**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.4**	**6**	<2	**2.7**	**5.2 J**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**120**	**83**	**51**	**79**	**140**
Total Table 3+ (17 compounds)[2,3]	**130**	**86**	**51**	**82**	**140**
Total Table 3+ (20 compounds)[2]	**170**	**130**	**74**	**110**	**190**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**24**	**23**	**19 J**	**25**	**2**
PFMOAA	**75**	**88**	**94**	**120**	<5
PFO2HxA	**34**	**33**	**37**	**45**	**2.2**
PFO3OA	**8.9**	**8.6**	**8.2**	**10**	<2
PFO4DA	**2.4**	**2.5 J**	**2.5 J**	**3**	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**49**	**28**	**27**	**32**	<10
PEPA	<20	<20	<20	**20**	<20
PS Acid	<2	<2 UJ	<2 UJ	**2.2 J**	<2
Hydro-PS Acid	<2	<2 UJ	<2 UJ	<2 UJ	<2
R-PSDA	**33**	**16 J**	**15 J**	**15 J**	<2
Hydrolyzed PSDA	**30**	**46 J**	**47 J**	**54 J**	**3.4**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**4.6**	**4.8**	**4.4**	**3.8**	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**5.6**	**4.9 J**	**6.3 J**	**8.1 J**	**2**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**9.8**	**6.7**	--	--	--
Total Attachment C[1,2]	**190**	**180**	**190**	**260**	**4.2**
Total Table 3+ (17 compounds)[2,3]	**200**	**190**	**190**	**260**	**4.2**
Total Table 3+ (20 compounds)[2]	**270**	**250**	**260**	**340**	**9.6**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**4.5**	<2	**2**	**4.6**	**6.5**
PFMOAA	<5	**6.1**	**5.3**	**9**	**9.8**
PFO2HxA	**6.5**	**3.1**	**3.2**	**6.5**	**8.3**
PFO3OA	<2	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	<10	<13	<13	**27**	**17**
PEPA	<20	<2	<2	<2	<2
PS Acid	<2	<2	<2	<2	**3.4**
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	**2.6**	<2	<2	**5.9**
Hydrolyzed PSDA	<2	**2.9**	**2.6**	**5.5**	**7.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**11**	**9.2**	**11**	**47**	**45**
Total Table 3+ (17 compounds)[2,3]	**11**	**9.2**	**11**	**47**	**45**
Total Table 3+ (20 compounds)[2]	**11**	**15**	**13**	**53**	**58**

TABLE 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-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
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**15**	**16**	**5.8**	**9.9**
PFMOAA	**17 J**	**14**	**11**	**4.9**	**30**
PFO2HxA	**13**	**13**	**18**	**8**	**13**
PFO3OA	**3.4**	**3**	**3.8**	<2	**2.8**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**25**	**27**	**36**	**21**	**20**
PEPA	**3.2**	**3.2**	**5.4**	<2	**3.2**
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**8.5 J**	**4.7**	**5.1**	**5.6**	**11**
Hydrolyzed PSDA	**9.1 J**	**8**	**7.2**	**4.1**	**12**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**3.8 J**	<2	<2	<2	**3.5**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**72**	**75**	**90**	**40**	**79**
Total Table 3+ (17 compounds)[2,3]	**72**	**75**	**90**	**40**	**79**
Total Table 3+ (20 compounds)[2]	**93**	**88**	**100**	**49**	**110**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**19**	**19**	**19**	**15**
PFMOAA	**49**	<2	**60**	**97**	**77**
PFO2HxA	**18**	**25**	**26**	**31**	**25**
PFO3OA	**4**	**5.5**	**5.6**	**6.7**	**5.2**
PFO4DA	<2	**2.5 J**	**2**	**3**	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**26**	**27**	**39**	**30**	**26**
PEPA	**4.5**	**5.2**	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**15**	**4.2**	**22**	**23**	**12**
Hydrolyzed PSDA	**17**	**12**	**28**	**34**	**32**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.5**	**3.1**	**3.3**	**4.5**	**3.4**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**4.9**	<2	**6.1**	**5.9**	**4.3**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**120**	**84**	**150**	**190**	**150**
Total Table 3+ (17 compounds)[2,3]	**120**	**87**	**150**	**190**	**150**
Total Table 3+ (20 compounds)[2]	**160**	**100**	**210**	**250**	**200**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**16**	**20**	**26**	**20**
PFMOAA	**78**	**60**	**76**	**100**	**67**
PFO2HxA	**28**	**28**	**31**	**29**	**29**
PFO3OA	**5.9**	**6.9**	**6.5**	**9.4**	**6.6**
PFO4DA	<2	**2.8**	**2.4**	**4.8**	**2.6**
PFO5DA	<2	<2	<2	**2.7**	**2**
PMPA	**27**	**27**	**29**	<20	**24**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	**2.3**	<2	**2.7**	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**12**	**22**	**13**	<2	**17**
Hydrolyzed PSDA	**34**	**32**	**24**	<2	**29**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3**	**3.3**	**3.5**	**3.4**	**4.4**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**5.8**	**6**	**3.9**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--	--
Total Attachment C[1,2]	**150**	**140**	**160**	**170**	**150**
Total Table 3+ (17 compounds)[2,3]	**160**	**150**	**170**	**180**	**160**
Total Table 3+ (20 compounds)[2]	**210**	**210**	**210**	**180**	**200**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**14 J**	**14**	**11**	**15**
PFMOAA	**41**	**39**	**54**	**41**	**48**
PFO2HxA	**19**	**19**	**21**	**18**	**23**
PFO3OA	**3.9**	**4.4**	**5.2**	**5**	**5.4**
PFO4DA	<2	<2	<2	**2.7**	**2.3**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	<20	<20	**21**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**12**	<2	<2	<2	<2
Hydrolyzed PSDA	**14**	<2	**20**	**18**	**21**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**3.5**	**2.9**	**2.8**	**3.4**	**2.7**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	**3.7**	**3.1**	**3.2**	**4.8**
Total Attachment C[1,2]	**78**	**76**	**94**	**78**	**110**
Total Table 3+ (17 compounds)[2,3]	**81**	**79**	**97**	**81**	**120**
Total Table 3+ (20 compounds)[2]	**110**	**79**	**120**	**99**	**140**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**44**	**4.8**	**7.8**	**5.8**	**3.4**
PFMOAA	**47**	**8.1**	<2	**27**	**15**
PFO2HxA	**37**	**8.1**	**20**	**11**	**6.2**
PFO3OA	**10**	<2	**6**	**2.1**	<2
PFO4DA	**4.3**	<2	**2.2**	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**45**	<20	<20	<20	<20
PEPA	**12**	<10	<10	<10	<10
PS Acid	**4.6**	<2	<2	<2	<2
Hydro-PS Acid	**2.9**	<2	<2	<2	<2
R-PSDA	<2	<2	<2	**7.4**	**3.8**
Hydrolyzed PSDA	**32**	**2.5**	<2	**15**	**6.4**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**2.4**	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**3.9**	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.9**	**2.6**	**4.6**	**3.8**	**2.5**
Total Attachment C[1,2]	**210**	**21**	**36**	**46**	**25**
Total Table 3+ (17 compounds)[2,3]	**210**	**21**	**36**	**46**	**25**
Total Table 3+ (20 compounds)[2]	**240**	**24**	**36**	**72**	**35**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**6.2**	**7.1**	**12**	**12**	**18**
PFMOAA	**26**	**33**	**63**	**64**	**100**
PFO2HxA	**12**	**15**	**24**	**24**	**35**
PFO3OA	**2.3**	**3**	**5.3**	**5.6**	**7.8**
PFO4DA	<2	<2	**2**	<2	**2.8**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	**23**	**23**	**31**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	**2.7**
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**6.1**	<2	<2 UJ	**8 J**	**11**
Hydrolyzed PSDA	**11**	<2	**22**	**23**	**38**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	**2.7**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**2.9**	**4.7**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**2.8**	**3.5**	**3.7**	**4**	**5.6**
Total Attachment C[1,2]	**47**	**58**	**130**	**130**	**200**
Total Table 3+ (17 compounds)[2,3]	**47**	**58**	**130**	**130**	**200**
Total Table 3+ (20 compounds)[2]	**64**	**58**	**150**	**160**	**250**

TABLE 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-24-090320	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
Table 3+ SOP (ng/L)					
HFPO-DA	**7.8**	**12**	**26**	**18**	**25**
PFMOAA	**21**	**26**	**55**	**36**	<2
PFO2HxA	**12**	**17**	**31**	**25**	**32**
PFO3OA	**3.4**	**4.2**	**7.3**	**5.3**	**7.2**
PFO4DA	<2	<2	**2.1**	<2	**2.7**
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	<20	**30**	<20	**33**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	**3.7**	<2	**2**
Hydro-PS Acid	<2	<2	<2	<2	**2.8**
R-PSDA	**3.4**	<2	**14**	**4.2**	**9.7**
Hydrolyzed PSDA	**8.6**	**15**	**41**	**24**	**29**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**3**	**4**	**5.8**
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	**6.3**	<2	**3.2**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**2.5**	**2.3**	**5.5**	**4.8**	**5**
Total Attachment C[1,2]	**44**	**59**	**160**	**84**	**100**
Total Table 3+ (17 compounds)[2,3]	**44**	**59**	**160**	**88**	**110**
Total Table 3+ (20 compounds)[2]	**56**	**74**	**220**	**120**	**150**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**42**	**7.3**	**11**	**11**	**11**
PFMOAA	<2	**7.9**	**14**	**14**	**12**
PFO2HxA	**39**	**8.7**	**9.8**	**9.8**	**12**
PFO3OA	**9**	<2	**2.9**	**2.9**	**2.9**
PFO4DA	**4.2**	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**46**	**34**	**31**	**31**	**32**
PEPA	**11**	<10	<10	<10	<10
PS Acid	**8.3**	<2	<2	<2	<2
Hydro-PS Acid	**4.3**	<2	<2	<2	<2
R-PSDA	**52**	<2	<2	<2	<2
Hydrolyzed PSDA	**47**	**9.4**	**11**	**11**	**14**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	**5.7**	<2	<2	<2	<2
EVE Acid	**2.4**	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**7.5**	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.3**	**4.1 J**	**5.6 J**	**5.6 J**	**5.7 J**
Total Attachment C[1,2]	**160**	**58**	**69**	**69**	**70**
Total Table 3+ (17 compounds)[2,3]	**170**	**58**	**69**	**69**	**70**
Total Table 3+ (20 compounds)[2]	**280**	**67**	**80**	**80**	**84**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**6.1**	**5.3**	**11**	**5.3**
PFMOAA	**8.8**	**6.3**	**4.1**	**23**	**2.9**
PFO2HxA	**13**	**6.2**	**6.8**	**12**	**6.6**
PFO3OA	**2.6**	<2	<2	**2.5**	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**34**	**32**	<20	**25**	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	<2	**7.4**	<2
Hydrolyzed PSDA	**13**	**7.1**	**5.4**	**12**	<2
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	<2	**2.9**	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.1 J**	**3.4 J**	**3.9**	**4.9**	**5.5**
Total Attachment C[1,2]	**70**	**51**	**16**	**74**	**15**
Total Table 3+ (17 compounds)[2,3]	**70**	**51**	**16**	**74**	**15**
Total Table 3+ (20 compounds)[2]	**83**	**58**	**22**	**96**	**15**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**8.1**	**13**	**23**	**4.5**	**6.0**
PFMOAA	**3.9**	**7.4**	**54**	**15**	**18**
PFO2HxA	**9.9**	**15**	**30**	**6.9**	**7.6**
PFO3OA	**2.1**	**3.6**	**13**	<2	<2
PFO4DA	<2	<2	**7.9**	<2	<2
PFO5DA	<2	<2	**3.5**	<2	<2
PMPA	<20	<20	**33**	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	**2.2**	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	<2	**20**	**3.4**	**4.1**
Hydrolyzed PSDA	**5.1**	**7.6**	**21**	**5**	**6.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	**3.1**	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	<2	**4.7**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.4**	**5.5**	**4**	**3.8**	**5.5**
Total Attachment C[1,2]	**24**	**39**	**170**	**26**	**32**
Total Table 3+ (17 compounds)[2,3]	**24**	**39**	**170**	**26**	**32**
Total Table 3+ (20 compounds)[2]	**29**	**47**	**220**	**35**	**42**

TABLE 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-24-102220	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
Table 3+ SOP (ng/L)					
HFPO-DA	**7.2**	**11**	**8.8**	**7.0**	**5.9**
PFMOAA	**7**	**29**	**27**	**15**	**22**
PFO2HxA	**8.3**	**13**	**11**	**8.5**	**9.3**
PFO3OA	<2	**3.1**	**2.5**	<2	**2.2**
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**28**	<20	**21**	**20**	**26**
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	<2	**11 J**	**9.1 J**	<2	<2
Hydrolyzed PSDA	<2	**8.5**	**6.1**	**3.9**	**5.2**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	**3.5**	**3.8**	**3.3**	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	<2	**2.8 J**	**2.2 J**	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.1**	**4.5**	**4.9**	**6**	**4.9**
Total Attachment C[1,2]	**51**	**56**	**70**	**51**	**65**
Total Table 3+ (17 compounds)[2,3]	**51**	**60**	**74**	**54**	**65**
Total Table 3+ (20 compounds)[2]	**51**	**82**	**92**	**58**	**71**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**12 J**	**14**	**46**	**2.8**	**6**
PFMOAA	**35 J**	**38**	**48**	<2	**8.1**
PFO2HxA	**17 J**	**18**	**45**	**3.3**	**7.7**
PFO3OA	**3.9 J**	**3.6**	**11**	<2	<2
PFO4DA	<2 UJ	<2	**7.3**	<2	<2
PFO5DA	<2 UJ	<2	**5.3**	<2	<2
PMPA	**22 J**	<20	**52**	<20	<20
PEPA	<10 UJ	<10	**16**	<10	<10
PS Acid	<2 UJ	<2	**2.6**	<2	<2
Hydro-PS Acid	<2 UJ	<2	**2.9**	<2	<2
R-PSDA	**16 J**	**16**	**39**	<2	**6.2**
Hydrolyzed PSDA	**14 J**	**15**	**21**	<2	**2.5**
R-PSDCA	<2 UJ	<2	<2	<2	<2
NVHOS	**2.8 J**	**3.8**	**3.3**	<2	<2
EVE Acid	<2 UJ	<2	**2.1**	<2	<2
Hydro-EVE Acid	<2 UJ	<2	<2	<2	<2
R-EVE	**3.4 J**	**3.9**	**11**	<2	<2
PES	<2 UJ	<2	<2	<2	<2
PFECA B	<2 UJ	<2	<2	<2	<2
PFECA-G	<2 UJ	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.2 J**	**3.8**	**3.6**	**3.1**	**2.6**
Total Attachment C[1,2]	**90**	**74**	**240**	**6.1**	**22**
Total Table 3+ (17 compounds)[2,3]	**93**	**77**	**240**	**6.1**	**22**
Total Table 3+ (20 compounds)[2]	**130**	**110**	**310**	**6.1**	**31**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**6.1**	<2	**7.2 J**	**100**	**7.8 J**
PFMOAA	**10**	<2	**18 J**	**23 J**	**21 J**
PFO2HxA	**7.5**	**2.3**	**6.1 J**	**100**	**7.4 J**
PFO3OA	<2	<2	<2 UJ	**14**	<2 UJ
PFO4DA	<2	<2	<2 UJ	**13**	<2 UJ
PFO5DA	<2	<2	<2 UJ	<2	<2 UJ
PMPA	<20	<20	<20 UJ	**92**	<20 UJ
PEPA	<10	<10	<10 UJ	**27**	<10 UJ
PS Acid	<2	<2	<2 UJ	<2	<2 UJ
Hydro-PS Acid	<2	<2	<2 UJ	**8**	<2 UJ
R-PSDA	**7.1**	<2	**3.3 J**	**5.5**	**4.1 J**
Hydrolyzed PSDA	**4.9**	<2	**3.5 J**	<2	**4.3 J**
R-PSDCA	<2	<2	<2 UJ	<2	<2 UJ
NVHOS	<2	<2	<2 UJ	<2	<2 UJ
EVE Acid	<2	<2	<2 UJ	<2	<2 UJ
Hydro-EVE Acid	<2	<2	<2 UJ	<2	<2 UJ
R-EVE	<2	<2	<2 UJ	**3**	<2 UJ
PES	<2	<2	<2 UJ	<2	<2 UJ
PFECA B	<2	<2	<2 UJ	<2	<2 UJ
PFECA-G	<2	<2	<2 UJ	<2	<2 UJ
Perfluoroheptanoic Acid	**3.3**	<2	**4.5 J**	**2.9**	**5.7 J**
Total Attachment C[1,2]	**24**	**2.3**	**31**	**380**	**36**
Total Table 3+ (17 compounds)[2,3]	**24**	**2.3**	**31**	**380**	**36**
Total Table 3+ (20 compounds)[2]	**36**	**2.3**	**38**	**390**	**45**

TABLE 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-24-113020	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
Table 3+ SOP (ng/L)					
HFPO-DA	**18**	**4.4**	**5.5**	**5.7**	**9.0**
PFMOAA	**32**	**9.5**	**13**	**18**	**25**
PFO2HxA	**14**	**4.4**	**6**	**5.7**	**9.2**
PFO3OA	**3.2**	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	**27**	**28**	<20	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**8.4**	**3.9**	**6.3**	<2	**7.4 J**
Hydrolyzed PSDA	**9.6**	**3.1**	**5.9**	<2	**6.9**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**3.2**	<2	**2.9**	<2	**2.3**
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.8**	**4**	**4.3**	**3.7**	**5.3**
Total Attachment C[1,2]	**94**	**46**	**25**	**29**	**43**
Total Table 3+ (17 compounds)[2,3]	**94**	**46**	**25**	**29**	**43**
Total Table 3+ (20 compounds)[2]	**120**	**53**	**40**	**29**	**60**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**9.4**	**7.6**	**11**	**3.2**	**3.9**
PFMOAA	**27**	**14**	**20**	**6.9**	**9.9**
PFO2HxA	**9.9**	**8.6**	**9.7**	**3.1**	**3.7**
PFO3OA	**2.1**	<2	**2.6**	<2	<2
PFO4DA	<2	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2	<2
PMPA	<20	**25**	**27**	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2	<2
R-PSDA	**7.4 J**	**13**	<2	**4.3 J**	**3.3 J**
Hydrolyzed PSDA	**7.4**	**8.6 J**	**9.2**	**2.2**	**3.1**
R-PSDCA	<2	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2	<2
EVE Acid	<2	<2	**4.1**	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2	<2
R-EVE	**2.4**	<2	<2	<2	<2
PES	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.1**	**3.9**	**4.3**	**4.5**	**3.9**
Total Attachment C[1,2]	**48**	**55**	**70**	**13**	**18**
Total Table 3+ (17 compounds)[2,3]	**48**	**55**	**74**	**13**	**18**
Total Table 3+ (20 compounds)[2]	**66**	**77**	**84**	**20**	**24**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**3.5**	**12**	**3.0**	**4.4**	**2.8**
PFMOAA	<2	**17**	<2	**12**	**3.0**
PFO2HxA	**3.6**	**9**	**2.5**	**4.8**	**3.5**
PFO3OA	<2	<2	<2	<2	<2.0
PFO4DA	<2	<2	<2	<2	<2.0
PFO5DA	<2	<2	<2	<2	<2.0
PMPA	<20	<20	<20	<20	<20
PEPA	<10	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2	<2.0
Hydro-PS Acid	<2	<2	<2	<2	<2.0
R-PSDA	<2	**13 J**	<2	**5.6**	<2.0
Hydrolyzed PSDA	**3.2 J**	**11 J**	**2 J**	**4.3**	<2.0
R-PSDCA	<2	<2	<2	<2	<2.0
NVHOS	<2	<2	<2	<2	<2.0
EVE Acid	<2	<2	<2	<2	<2.0
Hydro-EVE Acid	<2	<2	<2	<2	<2.0
R-EVE	<2	<2	<2	**2.8**	<2.0
PES	<2	<2	<2	<2	<2.0
PFECA B	<2	<2	<2	<2	<2.0
PFECA-G	<2	<2	<2	<2	<2.0
Perfluoroheptanoic Acid	**3.4**	**3.8**	**3.4**	**3.5**	<2.0
Total Attachment C[1,2]	**7.1**	**38**	**5.5**	**21**	**9.3**
Total Table 3+ (17 compounds)[2,3]	**7.1**	**38**	**5.5**	**21**	**9.3**
Total Table 3+ (20 compounds)[2]	**10**	**62**	**7.5**	**34**	**9.3**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**3.3**	**5.7**	**9.3**	**9.4**	**10**
PFMOAA	<2.0	**13**	**21**	**21**	**23**
PFO2HxA	**3.7**	**5.7**	**10**	**8.4**	**8.4**
PFO3OA	<2.0	<2.0	**2.0**	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<20	<20	<20	**14**	**14**
PEPA	<10	<10	<10	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**3.9**	**4.6**	**5.6**	**6.5**
Hydrolyzed PSDA	<2.0 UJ	**2.8**	**4.2**	**7.2**	**7.9**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	**2.3**	**2.4**
Total Attachment C[1,2]	**7.0**	**24**	**42**	**53**	**55**
Total Table 3+ (17 compounds)[2,3]	**7.0**	**24**	**42**	**53**	**55**
Total Table 3+ (20 compounds)[2]	**7.0**	**31**	**51**	**66**	**70**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**17**	**11**	**9.1**	**7.4**	**5.5**
PFMOAA	**36**	**23**	**23**	**16**	**8.6**
PFO2HxA	**13**	**12**	**9.2**	**7.0**	**4.8**
PFO3OA	**3.2**	**2**	<2.0	<2.0	<2.0
PFO4DA	<2	<2	<2.0	<2.0	<2.0
PFO5DA	<2	<2	<2.0	<2.0	<2.0
PMPA	**20**	**19**	**17**	**14**	**13**
PEPA	<20	<20	<20	<20	<20
PS Acid	**2.1**	<2	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2	<2.0	<2.0	<2.0
R-PSDA	**20**	**9.6**	**6.8**	**5.9**	<2.0
Hydrolyzed PSDA	**9.6**	**7.8**	**6.2**	**4.8**	**2.8**
R-PSDCA	<2	<2	<2.0	<2.0	<2.0
NVHOS	**3**	<2	<2.0	<2.0	<2.0
EVE Acid	<2	<2	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2	<2.0	<2.0	<2.0
R-EVE	**4.3**	**3.2**	**2.7**	<2.0	<2.0
PES	<2	<2	<2.0	<2.0	<2.0
PFECA B	<2	<2	<2.0	<2.0	<2.0
PFECA-G	<2	<2	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.2**	**3.1**	**2.3**	**2.5**	**3.0**
Total Attachment C[1,2]	**91**	**67**	**58**	**44**	**32**
Total Table 3+ (17 compounds)[2,3]	**94**	**67**	**58**	**44**	**32**
Total Table 3+ (20 compounds)[2]	**130**	**88**	**74**	**55**	**35**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**4.5**	<2.0	**10**	**4.1**	**8.4**
PFMOAA	<2.0	<2.0	**24**	<2.0	**8.9**
PFO2HxA	**4.6**	<2.0 UJ	**8.2 J**	**3.2**	**4.4**
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**10**	<10	**20**	**15**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**5.1**	<2.0	**4.8**
Hydrolyzed PSDA	**4.4**	<2.0	**6.0**	<2.0	**3.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.4**	**4.0**	**3.5**	**2.6**	<2.0
Total Attachment C[1,2]	**19**	**0.0**	**62**	**22**	**38**
Total Table 3+ (17 compounds)[2,3]	**19**	**0.0**	**62**	**22**	**38**
Total Table 3+ (20 compounds)[2]	**24**	**0.0**	**73**	**22**	**46**

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

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**5.5 J**	**4.5**	**28**	**5.8**	**8.0**
PFMOAA	**10 J**	**12**	**11**	**12**	**20**
PFO2HxA	**5.7 J**	**5.2**	**4.7**	**4.5**	**7.2**
PFO3OA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PMPA	**9.1 J**	<10	<10	<10	**14**
PEPA	<2.0 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-PSDA	**5.9 J**	**7.2**	**6.3**	**3.8**	**4.5**
Hydrolyzed PSDA	**2.8 J**	**4.8**	**3.9**	**2.3**	**4.2**
R-PSDCA	<3.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	<3.0 UJ	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.2 J**	<2.0	<2.0	<2.0	<2.0
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0 UJ	**3.4**	**4.0**	**3.9**	**3.6**
Total Attachment C[1,2]	**30**	**22**	**44**	**22**	**49**
Total Table 3+ (17 compounds)[2,3]	**30**	**22**	**44**	**22**	**49**
Total Table 3+ (20 compounds)[2]	**36**	**34**	**54**	**28**	**58**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**7.4**	**5.0**	**70 J**	**9.0 J**	**8.4 J**
PFMOAA	**19**	**13**	**13 J**	**20 J**	**23 J**
PFO2HxA	**6.7**	**5.2**	**10 J**	**13 J**	**12 J**
PFO3OA	<2.0	<2.0	**3.0 J**	**2.2 J**	<2.0 UJ
PFO4DA	<2.0	<2.0	**2.5 J**	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0	<2.0	**22 J**	<2.0 UJ	<2.0 UJ
PMPA	**12**	**11**	**21 J**	**17 J**	**12 J**
PEPA	<20	<20	<20 UJ	**4.1 J**	**3.6 J**
PS Acid	<2.0	<2.0	**510 J**	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	**130 J**	<2.0 UJ	<2.0 UJ
R-PSDA	**4.1**	**3.8**	**37 J**	**22 J**	**19 J**
Hydrolyzed PSDA	**3.7**	**2.9**	**23 J**	**14 J**	**11 J**
R-PSDCA	<2.0	<2.0	**6.5 J**	<3.0 UJ	<3.0 UJ
NVHOS	<2.0	<2.0	**5.9 J**	**9.2 J**	**14 J**
EVE Acid	<2.0	<2.0	**33 J**	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	**4.6 J**	<2.0 UJ	<2.0 UJ
R-EVE	<2.0	<2.0	<2.0 UJ	**5.3 J**	**5.7 J**
PES	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**4.3**	**3.8**	**4.3 J**	**3.2 J**	**3.4 J**
Total Attachment C[1,2]	**45**	**34**	**780**	**65**	**59**
Total Table 3+ (17 compounds)[2,3]	**45**	**34**	**830**	**75**	**73**
Total Table 3+ (20 compounds)[2]	**53**	**41**	**890**	**120**	**110**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**13 J**	**13 J**	**8.2 J**	**6.4 J**	**3.4**
PFMOAA	**10 J**	**10 J**	**20 J**	**20 J**	**8.0**
PFO2HxA	**8.2 J**	**8.2 J**	**12 J**	**12 J**	**4.7**
PFO3OA	<2.0 UJ	<2.0 UJ	**2.6 J**	**2.3 J**	<2.0
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PMPA	**19 J**	**19 J**	**12 J**	**12 J**	<10
PEPA	<20 UJ	<20 UJ	**3.2 J**	**3.7 J**	<20
PS Acid	**15 J**	**15 J**	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	**4.1 J**	**4.1 J**	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0 UJ	<2.0 UJ	**15 J**	**17 J**	<2.0
Hydrolyzed PSDA	**7.1 J**	**7.1 J**	**9.2 J**	**10 J**	**4.0**
R-PSDCA	<2.0 UJ	<2.0 UJ	<3.0 UJ	<3.0 UJ	<2.0
NVHOS	**2.4 J**	**2.4 J**	**3.0 J**	**7.8 J**	<2.0
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0 UJ	<2.0 UJ	**4.9 J**	**5.2 J**	<2.0
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**6.5 J**	**6.5 J**	**3.7 J**	**3.6 J**	**2.3**
Total Attachment C[1,2]	**69**	**69**	**58**	**56**	**16**
Total Table 3+ (17 compounds)[2,3]	**72**	**72**	**61**	**64**	**16**
Total Table 3+ (20 compounds)[2]	**79**	**79**	**90**	**96**	**20**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**2.9**	**4.2**	**4.2**	**31**	**14**
PFMOAA	**5.5**	**6.6**	**7.2**	**88**	**28**
PFO2HxA	**2.3**	**3.7**	**3.8**	**31**	**15**
PFO3OA	<2	<2.0	<2.0	**6.5**	**3.3**
PFO4DA	<2	<2.0	<2.0	**2.4**	<2.0
PFO5DA	<2	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	**31**	**26**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.2**	<2.0	<2.0	**16**	**7.4**
Hydrolyzed PSDA	**2.2**	**3.1 J**	**3.0**	**45**	**13**
R-PSDCA	<2	<2.0	<2.0	<2.0	<2.0
NVHOS	<2	<2.0	<2.0	**2.0**	<2.0
EVE Acid	<2	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2.0	<2.0	<2.0	<2.0
R-EVE	<2	<2.0	<2.0	**6.5**	<2.0
PES	<2	<2.0	<2.0	<2.0	<2.0
PFECA B	<2	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.7**	**2.6**	**3.1**	**3.2**	**3.3**
Total Attachment C[1,2]	**11**	**15**	**15**	**190**	**86**
Total Table 3+ (17 compounds)[2,3]	**11**	**15**	**15**	**190**	**86**
Total Table 3+ (20 compounds)[2]	**20**	**18**	**18**	**260**	**110**

TABLE 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-24-041221	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
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**10**	**24**	**31**	**15**
PFMOAA	**31**	**31**	**51**	**92**	**48**
PFO2HxA	**12**	**11**	**16**	**48**	**19**
PFO3OA	<2.0	<2.0	<2.0	**20**	**4.2**
PFO4DA	<2.0	<2.0	<2.0	**5.3**	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**19**	**15**	**17**	**24**	**20**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.4**	**5.5**	**12**	**19**	**13**
Hydrolyzed PSDA	**18**	**8.5**	**18**	**22**	**16**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**2.1**	**3.7**	**3.0**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.6**	<2.0	**3.6**	**5.9**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.0**	**4.1**	**3.6**	**4.7**	**3.5**
Total Attachment C[1,2]	**72**	**67**	**110**	**220**	**110**
Total Table 3+ (17 compounds)[2,3]	**72**	**67**	**110**	**220**	**110**
Total Table 3+ (20 compounds)[2]	**100**	**81**	**140**	**270**	**140**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**25**	**23**	**23**	**18**	**16**
PFMOAA	**48**	**64**	**63**	**56**	**53**
PFO2HxA	**34**	**26**	**25**	**20**	**21**
PFO3OA	**9.1**	**7.2**	**5.6**	**4.6 J**	<2.0
PFO4DA	**3.2**	**2.0**	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**36**	**19**	**30**	**24**	**25**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**18**	**32**	**15**	**17 J**	**15**
Hydrolyzed PSDA	**30**	**330**	**31 J**	**19 J**	**19 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**4.8**	**3.4**	**3.4**	**3.9**	**3.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.8**	**23**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.3**	**3.6**	**3.4**	**3.8**	**4.2**
Total Attachment C[1,2]	**160**	**140**	**150**	**120**	**120**
Total Table 3+ (17 compounds)[2,3]	**160**	**140**	**150**	**130**	**120**
Total Table 3+ (20 compounds)[2]	**210**	**530**	**200**	**160**	**150**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**14 J**	**15 J**	**11**	**12**	**12**
PFMOAA	**49 J**	**57 J**	**32 J**	**32 J**	**40 J**
PFO2HxA	**14 J**	**17 J**	**9.8 J**	**9.9**	**11**
PFO3OA	**3.5 J**	**3.1 J**	**2.3 J**	**2.2**	**2.7**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	**22 J**	**35 J**	**26 J**	**26 J**	**23 J**
PEPA	<20 UJ	<20 UJ	<20 UJ	<20	<20
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	**18 J**	**17 J**	**18 J**	**20**	**15**
Hydrolyzed PSDA	**18 J**	**20 J**	**14 J**	**15**	**17**
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	**11 J**	**5.8 J**	**8.2**	**7.6**	**5.4**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	**4.5 J**	**3.9 J**	**3.1 J**	**2.9**	**3.9**
PES	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.5 J**	**5.2 J**	**5.9**	**5.2**	**6.0**
Total Attachment C[1,2]	**100**	**130**	**81**	**82**	**89**
Total Table 3+ (17 compounds)[2,3]	**110**	**130**	**89**	**90**	**94**
Total Table 3+ (20 compounds)[2]	**150**	**170**	**120**	**130**	**130**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**13 J**	**22 J**	**21**	**18**	**17 J**
PFMOAA	**37 J**	**45 J**	**66**	**51**	**23 J**
PFO2HxA	**15 J**	**18 J**	**25**	**21**	**16 J**
PFO3OA	**4.0 J**	**3.6 J**	**5.6**	**5.9**	**4.0 J**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PMPA	**38 J**	**36 J**	**34**	**24 B**	**31 BJ**
PEPA	<20 UJ	<20 UJ	<20	**5.1**	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-PSDA	**11 J**	**14 J**	**12**	**62 J**	<2.0 UJ
Hydrolyzed PSDA	**19 J**	**20 J**	**23**	**12 J**	<2.0 UJ
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0	<3.0 UJ	<2.0 UJ
NVHOS	**4.5 J**	**4.6 J**	**4.1**	**5.1**	**4.4 J**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
R-EVE	**2.7 J**	**3.3 J**	**3.6**	**5.0**	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**6.6 J**	**5.2 J**	**6.0**	**4.8**	**4.9 J**
Total Attachment C[1,2]	**110**	**120**	**150**	**130**	**91**
Total Table 3+ (17 compounds)[2,3]	**110**	**130**	**160**	**130**	**95**
Total Table 3+ (20 compounds)[2]	**140**	**170**	**190**	**210**	**95**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**21**	**20**	**18**	**92**	**11**
PFMOAA	**60**	**64**	**49**	**76**	**26**
PFO2HxA	**23**	**21**	**20**	**38**	**14**
PFO3OA	**5.6**	**4.4**	**4.4**	**11**	**3.8**
PFO4DA	<2.0	<2.0	<2.0	**4.5**	<2.0
PFO5DA	<2.0	<2.0	<2.0	**3.1**	<2.0
PMPA	**33 B**	**49**	**37**	**52**	**26 J**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	**6.2**	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	**3.6**	<2.0
R-PSDA	**16**	**11**	**11**	**29**	**15 J**
Hydrolyzed PSDA	**23**	**20**	**19**	**50**	**14 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.5**	**5.7**	**3.8**	**6.3**	**5.9**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.1**	**3.8**	**4.7 J**	**9.8**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.7**	**6.5**	**6.2 J**	**6.1**	**6.7**
Total Attachment C[1,2]	**140**	**160**	**130**	**290**	**81**
Total Table 3+ (17 compounds)[2,3]	**150**	**160**	**130**	**290**	**87**
Total Table 3+ (20 compounds)[2]	**190**	**200**	**170**	**380**	**120**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**11**	**36**	**7.2**	**7.1**	**6.6**
PFMOAA	**23**	**59**	**13**	**17**	**15**
PFO2HxA	**13**	**30**	**8.2**	**8.7**	**10**
PFO3OA	**3.2**	**8.7**	<2.0	**2.0**	**2.1**
PFO4DA	<2.0	**2.9**	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**24 J**	**35**	**22**	**24**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	**2.3**	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	**2.3**	<2.0	<2.0	<2.0
R-PSDA	<2.0	**22**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**12**	**25**	<2.0	**6.3**	**5.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.6**	**3.6**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	**6.6**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.3**	**7.0**	**4.3**	**4.8**	**3.4**
Total Attachment C[1,2]	**74**	**180**	**50**	**59**	**55**
Total Table 3+ (17 compounds)[2,3]	**80**	**180**	**50**	**59**	**55**
Total Table 3+ (20 compounds)[2]	**92**	**230**	**50**	**65**	**60**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**8.8**	**12**	**10**	**12**	**13**
PFMOAA	**12**	**17**	**27**	**24**	**27**
PFO2HxA	**7.9**	**12**	**10**	**14**	**17**
PFO3OA	**2.0**	**3.0**	**2.8**	**3.5**	**4.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**26**	**33**	**29**	**28**	**22**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**19**	<2.0	<2.0
Hydrolyzed PSDA	**5.2**	<2.0	**12**	**5.9**	**8.2 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**8.1**	**5.5**	**4.6**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	**4.0**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.3**	**5.1**	**6.1**	**4.1**	**4.1**
Total Attachment C[1,2]	**57**	**77**	**79**	**82**	**83**
Total Table 3+ (17 compounds)[2,3]	**57**	**77**	**87**	**87**	**88**
Total Table 3+ (20 compounds)[2]	**62**	**77**	**120**	**93**	**96**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**10**	**18**	**5.0**	**4.3**	**6.7**
PFMOAA	**31**	**29**	**6.9 J**	**3.8 J**	**11**
PFO2HxA	**13**	**18**	**5.0**	**4.8**	**6.4**
PFO3OA	**2.9**	**4.5**	<2.0	<2.0	**2.1**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**15**	**36**	**20 J**	**32 J**	**31 J**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**19 J**	<2.0	<2.0	**6.8 J**	<2.0
Hydrolyzed PSDA	**13 J**	**5.3 J**	**6.7 J**	**5.7 J**	**4.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**8.2**	**5.8**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.9 J**	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.0**	**3.8**	**6.0**	**4.7**	**6.5**
Total Attachment C[1,2]	**72**	**110**	**37**	**45**	**57**
Total Table 3+ (17 compounds)[2,3]	**80**	**110**	**37**	**45**	**57**
Total Table 3+ (20 compounds)[2]	**120**	**120**	**44**	**57**	**62**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**11**	**12**	**5.5**	**9.3**
PFMOAA	**12**	**8.2**	**11**	**5.0**	**8.8**
PFO2HxA	**12**	**10**	**11**	**6.5**	**8.9**
PFO3OA	**3.2**	**2.4**	**3.0**	<2.0	**2.5**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**22 J**	**19 J**	**28**	**29**	**30**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**10 J**	**11 J**	<2.0	<2.0	**9.0 J**
Hydrolyzed PSDA	**13 J**	**7.3 J**	**2.2 J**	**3.3 J**	**4.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.9**	<2.0	<2.0	**4.2**	**5.5**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.9 J**	**3.5 J**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.6**	**4.1**	**5.2**	**4.8**	**4.3**
Total Attachment C[1,2]	**61**	**51**	**65**	**46**	**60**
Total Table 3+ (17 compounds)[2,3]	**65**	**51**	**65**	**50**	**65**
Total Table 3+ (20 compounds)[2]	**91**	**72**	**67**	**54**	**79**

TABLE 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-24-072921	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
Table 3+ SOP (ng/L)					
HFPO-DA	**8.1**	**16**	**20**	**15**	**14**
PFMOAA	**8.6**	**27**	**32**	**15 J**	**15**
PFO2HxA	**8.8**	**18**	**25**	**17**	**17**
PFO3OA	<2.0	**4.0**	**5.8**	**3.9**	**3.7**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**26**	**37**	**39**	**42**	**40**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.0 J**	**20 J**	**29 J**	**8.1 J**	**7.4 J**
Hydrolyzed PSDA	**3.9 J**	**14 J**	**20 J**	**4.6 J**	**4.1 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**4.7**	**5.5**	**7.6**	**8.4**	**8.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.2 J**	**5.0 J**	**7.4 J**	**2.0 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.6**	**3.6**	**3.8**	**4.2**	**4.3**
Total Attachment C[1,2]	**52**	**100**	**120**	**93**	**90**
Total Table 3+ (17 compounds)[2,3]	**56**	**110**	**130**	**100**	**99**
Total Table 3+ (20 compounds)[2]	**69**	**150**	**190**	**120**	**110**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**13**	**13**	**14**	**15 J**
PFMOAA	**14**	**24**	**25**	**26**	**28 J**
PFO2HxA	**15**	**16**	**15**	**17**	**17 J**
PFO3OA	**3.0**	**4.0**	**3.3**	**4.1**	**4.3 J**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PMPA	**34**	**18**	**18**	**17**	**18 J**
PEPA	<20	<20	<20	<20	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
R-PSDA	**11 J**	**8.5 J**	**17 J**	**18 J**	**6.2 J**
Hydrolyzed PSDA	**3.4 J**	**11 J**	**19 J**	**23 J**	**11 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	**10**	**3.3**	**7.2**	**7.0**	**6.8 J**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
R-EVE	<2.0	**2.3 J**	**3.0 J**	**3.8 J**	<2.0 UJ
PES	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	**3.9**	**3.4**	**3.5**	**4**	**4.2 J**
Total Attachment C[1,2]	**80**	**75**	**74**	**78**	**82**
Total Table 3+ (17 compounds)[2,3]	**90**	**78**	**82**	**85**	**89**
Total Table 3+ (20 compounds)[2]	**100**	**100**	**120**	**130**	**110**

TABLE 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
Sample Delivery Group (SDG)	320-78262-1	320-78262-2	320-78429-1	320-78429-1	320-78771-1
Lab Sample ID	320-78262-1	320-78262-1	320-78429-1	320-78429-2	320-78771-1
Table 3+ SOP (ng/L)					
HFPO-DA	**2.2**	**13 J**	**5.5**	**6.2**	**11**
PFMOAA	<2.0	**22 J**	**6.0**	**7.9**	**5.6**
PFO2HxA	**2.6**	**14 J**	**7.0**	**9.2**	**12**
PFO3OA	<2.0	**2.7 J**	<2.0	<2.0	**2.8**
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	<10	**15 J**	**18**	**24**	**12**
PEPA	<20	<20 UJ	<20	<20	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	**18 J**	<2.0 UJ	<2.0	<2.0	**6.1 J**
Hydrolyzed PSDA	**3.6 J**	<2.0 UJ	**4.0 J**	**6.1 J**	**4.6 J**
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	**7.5**	<2.0 UJ	**3.8**	**2.9**	**2.5**
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	**2.3 J**	<2.0 UJ	<2.0	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4**	**3.5 J**	**5.2**	**5.4**	**4.6**
Total Attachment C[1,2]	**4.8**	**67**	**37**	**47**	**43**
Total Table 3+ (17 compounds)[2,3]	**12**	**67**	**40**	**50**	**46**
Total Table 3+ (20 compounds)[2]	**36**	**67**	**44**	**56**	**57**

TABLE 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-24-090221	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
Table 3+ SOP (ng/L)					
HFPO-DA	**15**	**15**	**17**	**8.8**	**9.5**
PFMOAA	**7.7**	**17**	**16**	**25**	**25**
PFO2HxA	**16**	**20**	**20**	**12**	**12**
PFO3OA	**3.6**	**4.9**	**4.3**	**2.8**	**2.5**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**11**	**15**	**12**	**17**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**5.5 J**	<2.0	<2.0	**9.4 J**	**12 J**
Hydrolyzed PSDA	**5.6 J**	**5.9 J**	**5.1 J**	**8.3 J**	**8.9 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.2**	**6.2**	**6.6**	**11**	**11**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**2.7 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.5**	**4.5**	**4.7**	**5.4**	**5.2**
Total Attachment C[1,2]	**53**	**72**	**69**	**66**	**65**
Total Table 3+ (17 compounds)[2,3]	**57**	**78**	**76**	**77**	**76**
Total Table 3+ (20 compounds)[2]	**68**	**84**	**81**	**97**	**97**

TABLE 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
Sample Delivery Group (SDG)	320-79067-1	320-79449-1	320-79407-1	320-79516-1	320-79516-1
Lab Sample ID	320-79067-4	320-79449-1	320-79407-3	320-79516-1	320-79516-2
Table 3+ SOP (ng/L)					
HFPO-DA	**14**	**13**	**13**	**14**	**14**
PFMOAA	**39**	**37**	**41**	**34**	**33**
PFO2HxA	**21**	**18**	**18**	**16**	**16**
PFO3OA	**5.1**	**4.3**	**4.4**	**3.3**	**3.6**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**24**	**21**	**20**	**15**	**16**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**8.8 J**	**11 J**	**13 J**	**6.2 J**	**4.2 J**
Hydrolyzed PSDA	**11 J**	**12 J**	**13 J**	**6.4 J**	**6.1 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**9.3**	**10**	**12**	**4.8**	**4.5**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**3.0 J**	**2.5 J**	**2.6 J**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.6**	**5.2**	**5.4**	**7.0**	**6.3**
Total Attachment C[1,2]	**100**	**93**	**96**	**82**	**83**
Total Table 3+ (17 compounds)[2,3]	**110**	**100**	**110**	**87**	**87**
Total Table 3+ (20 compounds)[2]	**140**	**130**	**140**	**100**	**97**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**6.7**	**13**	**13**	**14**	**3.6**
PFMOAA	**21**	**39**	**31**	**31**	**9.4**
PFO2HxA	**7.1**	**15**	**16**	**16**	**4.8**
PFO3OA	<2.0	**3.3**	**3.6**	**4.0**	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**13**	**18**	**16**	**14**	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.3 J**	**6.4 J**	**4.3 J**	**7.8 J**	**7.1 J**
Hydrolyzed PSDA	**6.4 J**	**12 J**	**6.1 J**	**11 J**	**4.6 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	**2.5**	**3.0**	**6.0**	**5.7**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	**2.1 J**	<2.0	**2.3 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**2.3**	**2.9**	**3.5**	**5.1**
Total Attachment C[1,2]	**48**	**88**	**80**	**79**	**18**
Total Table 3+ (17 compounds)[2,3]	**48**	**91**	**83**	**85**	**24**
Total Table 3+ (20 compounds)[2]	**62**	**110**	**93**	**110**	**35**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**3.1**	**7.8**	**12**	**13**	**14**
PFMOAA	**10**	**21**	**22**	**30**	**21**
PFO2HxA	**4.5**	**9.5**	**15**	**17**	**16**
PFO3OA	<2.0	**2.4**	**3.5**	**4.1**	**3.7**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**10**	**19**	**23**	**26**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	**11 J**	<2.0
Hydrolyzed PSDA	**5.1 J**	**5.3 J**	**7.6 J**	**12 J**	**8.5 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.7**	<2.0	**2.9**	**5.8**	**7.4**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**3.0 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.2**	**2.6**	**2.7**	**2.8**	**3.7**
Total Attachment C[1,2]	**18**	**51**	**72**	**87**	**81**
Total Table 3+ (17 compounds)[2,3]	**23**	**51**	**74**	**93**	**88**
Total Table 3+ (20 compounds)[2]	**28**	**56**	**82**	**120**	**97**

TABLE 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-24-102821	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
Table 3+ SOP (ng/L)					
HFPO-DA	**12**	**13**	**12**	**14**	**15**
PFMOAA	**23**	**20**	**21**	**23 J**	**19**
PFO2HxA	**11**	**13**	**14**	**15**	**15**
PFO3OA	**3.5**	**3.5**	**3.4**	**4.1**	**4.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**22**	**22**	**22**	**21**	**21**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	**9.8 J**	**7.6 J**
Hydrolyzed PSDA	**8.1 J**	**12 J**	**11 J**	**8.3 J**	**8.2 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**6.1**	**5.4**	**6.1**	**6.9**	**6.9**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	**3.4 J**	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.9**	**4.8**	**5.9**	**4.9**	**4.5**
Total Attachment C[1,2]	**72**	**72**	**72**	**77**	**74**
Total Table 3+ (17 compounds)[2,3]	**78**	**77**	**79**	**84**	**81**
Total Table 3+ (20 compounds)[2]	**86**	**89**	**90**	**110**	**97**

TABLE 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-24-111121	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
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**11**	**20**	**13**	**12**
PFMOAA	**19**	**20**	**22**	**14**	**16**
PFO2HxA	**14**	**14**	**19**	**14**	**15**
PFO3OA	**3.5**	**3.8**	**4.2**	**3.5**	**3.3**
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**29**	**19**	**29**	**17**	**15**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**14 J**	**12 J**	<2.0	**5.7 J**
Hydrolyzed PSDA	**7.5 J**	**10 J**	**11 J**	**5.8 J**	**6.8 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**6.5**	**8.7**	**7.4**	**6.1**	**6.6**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**5.8**	**5.8**	**5.0**	**5.1**
Total Attachment C[1,2]	**79**	**68**	**94**	**62**	**61**
Total Table 3+ (17 compounds)[2,3]	**85**	**77**	**100**	**68**	**68**
Total Table 3+ (20 compounds)[2]	**93**	**100**	**120**	**73**	**80**

TABLE 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-24-112921	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
Table 3+ SOP (ng/L)					
HFPO-DA	**13**	**4.5 J**	**6.0 J**	**30 J**	<2.0 UJ
PFMOAA	**14**	**27 J**	**26 J**	**37 J**	**6.4 J**
PFO2HxA	**13**	**16 J**	**15 J**	**22 J**	**8.2 J**
PFO3OA	**3.4**	**4.1 J**	**4.1 J**	**7.0 J**	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**13**	**13 J**	**13 J**	**20 J**	<10 UJ
PEPA	<20	<20 UJ	<20 UJ	<20 UJ	<20 UJ
PS Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**5.6 J**	**6.6 J**	**7.1 J**	**13 J**	<2.0 UJ
R-PSDCA	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
NVHOS	**5.7**	<2.0 UJ	<2.0 UJ	<2.0 UJ	**5.2 J**
EVE Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PES	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**5.1**	**4.9 J**	**4.7 J**	**4.4 J**	**2.6 J**
Total Attachment C[1,2]	**56**	**65**	**64**	**120**	**15**
Total Table 3+ (17 compounds)[2,3]	**62**	**65**	**64**	**120**	**20**
Total Table 3+ (20 compounds)[2]	**68**	**71**	**71**	**130**	**20**

TABLE 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-24-121621	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
Table 3+ SOP (ng/L)					
HFPO-DA	**6.5 J**	**14**	**7.7**	**12**	**12**
PFMOAA	**31 J**	**32**	**18**	**28**	**29**
PFO2HxA	**15 J**	**17**	**10**	**14**	**14**
PFO3OA	**3.6 J**	**4.8**	<2.0	**3.9**	**2.9**
PFO4DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PMPA	<10 UJ	**17**	**11**	**12**	**15**
PEPA	<20 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0 UJ	**11 J**	**14 J**	**5.9 J**	**4.9 J**
Hydrolyzed PSDA	<2.0 UJ	**6.2 J**	**6.5 J**	**8.9 J**	**5.7 J**
R-PSDCA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
NVHOS	**12 J**	**8.8**	**11**	**4.2**	**3.5**
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0 UJ	**2.4 J**	**2.0 J**	<2.0	<2.0
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.2 J**	**5.0**	**4.8**	**4.4**	**4.3**
Total Attachment C[1,2]	**56**	**85**	**47**	**70**	**73**
Total Table 3+ (17 compounds)[2,3]	**68**	**94**	**58**	**74**	**76**
Total Table 3+ (20 compounds)[2]	**68**	**110**	**80**	**89**	**87**

TABLE 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-24-010222**	**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**
Table 3+ SOP (ng/L)					
HFPO-DA	**9.3**	**21**	**4.3**	**3.7**	**3.3**
PFMOAA	**16**	**28**	**10**	<2.0	**5.2**
PFO2HxA	**11**	**20**	**5.2**	**4.7**	**3.2**
PFO3OA	**2.7**	**5.3**	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**14**	**21**	<10	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**6.2 J**	**2.8 J**	**2.0 J**	**3.0 J**
Hydrolyzed PSDA	**3.3 J**	**14 J**	**3.3 J**	**2.2 J**	**2.6 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.2**	**4.1**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.4**	**3.4**	**3.9**	**4.1**	**4.4**
Total Attachment C[1,2]	**53**	**95**	**20**	**8.4**	**12**
Total Table 3+ (17 compounds)[2,3]	**56**	**99**	**20**	**8.4**	**12**
Total Table 3+ (20 compounds)[2]	**60**	**120**	**26**	**13**	**17**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**3.5**	**2.9**	**4.2**	**4.8**	**6.6**
PFMOAA	**4.9**	**5.1**	<2.0	**8.0**	**13**
PFO2HxA	**4.0**	**3.1**	**3.7**	**5.0**	**7.1**
PFO3OA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	**10**	**13**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**2.1 J**	**2.8 J**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**2.9 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0	**2.8**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.0**	**3.6**	**3.8**	**4.0**	**4.7**
Total Attachment C[1,2]	**12**	**11**	**7.9**	**28**	**40**
Total Table 3+ (17 compounds)[2,3]	**12**	**11**	**7.9**	**28**	**43**
Total Table 3+ (20 compounds)[2]	**15**	**14**	**7.9**	**28**	**45**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**8.3**	**4.3**	**4.4**	**3.6**	**5.3**
PFMOAA	**19**	**9.0**	**9.4**	**5.5 J**	**7.7**
PFO2HxA	**11**	**4.8**	**5.1**	**3.6**	**7.3**
PFO3OA	**3.7**	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**15**	**12**	**11**	<10	**11**
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**3.0 J**	<2.0	<2.0
Hydrolyzed PSDA	**3.8 J**	**2.1 J**	**2.4 J**	<2.0	**2.3 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**2.7**	**4.0**	**3.9**	<2.0	**3.3**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.9**	**4.6**	**4.8**	**4.2**	**3.5**
Total Attachment C[1,2]	**57**	**30**	**30**	**13**	**31**
Total Table 3+ (17 compounds)[2,3]	**60**	**34**	**34**	**13**	**35**
Total Table 3+ (20 compounds)[2]	**64**	**36**	**39**	**13**	**37**

TABLE 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-24-021822	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
Table 3+ SOP (ng/L)					
HFPO-DA	<2.0	<2.0	<2.0	<2.0	**2.9**
PFMOAA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO2HxA	**5.6 J**	**7.0**	**3.8**	<2.0	**3.9**
PFO3OA	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	<10	<10
PEPA	<20 UJ	<20	<20	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0	<2.0	**12 J**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**2.0 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0 UJ	<2.0	<2.0	<2.0	**5.1**
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0	**4.7 J**
PES	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**3.4**	**3.2**	<2.0	**4.8**
Total Attachment C[1,2]	**5.6**	**7.0**	**3.8**	ND	**6.8**
Total Table 3+ (17 compounds)[2,3]	**5.6**	**7.0**	**3.8**	ND	**12**
Total Table 3+ (20 compounds)[2]	**5.6**	**7.0**	**3.8**	ND	**31**

TABLE 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
Table 3+ SOP (ng/L)					
HFPO-DA	**6.8**	**7.0**	**7.4**	**2.1**	<2.0
PFMOAA	**11**	**12 J**	**12**	<2.0	<2.0
PFO2HxA	**8.2**	**9.4**	**9.8**	**2.6**	<2.0
PFO3OA	**2.0**	**2.3**	**2.6**	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**10**	**11**	<10	<10
PEPA	<20	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDA	**11 J**	**9.8 J**	**10 J**	<2.0	<2.0
Hydrolyzed PSDA	**2.9 J**	**3.5 J**	**3.6 J**	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<2.0
NVHOS	**5.7**	**6.8**	**7.3**	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.8 J**	**5.2 J**	**5.5 J**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**4.5**	**4.4**	**3.4**	**3.5**
Total Attachment C[1,2]	**28**	**41**	**43**	**4.7**	ND
Total Table 3+ (17 compounds)[2,3]	**34**	**48**	**50**	**4.7**	ND
Total Table 3+ (20 compounds)[2]	**52**	**66**	**69**	**4.7**	ND

TABLE 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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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**	ND
Total Table 3+ (17 compounds)[2,3]	**18**	**34**	**34**	**14**	ND
Total Table 3+ (20 compounds)[2]	**29**	**38**	**39**	**14**	ND

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-24-042222	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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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	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-24-052322	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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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	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-24-070922	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
Table 3+ SOP (ng/L)					
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
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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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	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-24-081522	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
Table 3+ SOP (ng/L)					
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	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-24-090122	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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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	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-24-101722	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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)					
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	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-24-112822	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
Table 3+ SOP (ng/L)					
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
Table 3+ SOP (ng/L)				
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 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	EB	EB
Field Sample ID	CFR-TARHEEL-24-122622	CFR-TARHEEL-24-122922	CFR-EQBLK-1-040820	CFR-TARHEEL-EB-052520
Sample Date	12/26/22	12/29/22	04/08/20	05/25/20
Sample Type	Composite	Composite	Grab	Grab
Sample Start Date and Time	12/26/22 12:00 AM	12/29/22 12:00 AM	-	-
Sample Stop Date and Time	12/26/22 11:00 PM	12/29/22 11:00 PM	-	-
Composite Duration (hours)	24	24	-	-
QA/QC			Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	Liquid	LIQUID
Sample Delivery Group (SDG)	320-95616-1	320-95803-1	320-60098-1	320-61296-1
Lab Sample ID	320-95616-2	320-95803-3	320-60098-5	320-61296-4
Table 3+ SOP (ng/L)				
HFPO-DA	**2.4**	**2.2 J**	<4	<2
PFMOAA	<2.0	<5.0 UJ	<5	<5
PFO2HxA	**2.5**	**4.4 J**	<2	<2
PFO3OA	<2.0	<2.0 UJ	<2	<2
PFO4DA	<2.0	<2.0 UJ	<2	<2
PFO5DA	<2.0	<2.0 UJ	<2	<2
PMPA	<10	**16 J**	<10	<10
PEPA	<20	<20 UJ	<20	<20
PS Acid	<2.0	<2.0 UJ	<2	<2
Hydro-PS Acid	<2.0	<2.0 UJ	<2	<2
R-PSDA	<2.0	<2.0 UJ	<2	<2
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2	<2
R-PSDCA	<2.0	<2.0 UJ	<2	<2
NVHOS	<2.0	<2.0 UJ	<2	<2
EVE Acid	<2.0	<2.0 UJ	<2	<2
Hydro-EVE Acid	<2.0	<2.0 UJ	<2	<2
R-EVE	<2.0	<2.0 UJ	<2	<2
PES	<2.0	<2.0 UJ	<2	<2
PFECA B	<2.0	<2.0 UJ	<2	<2
PFECA-G	<2.0	<2.0 UJ	<2	<2
Perfluoroheptanoic Acid	<2.0	**4.0 J**	<2	--
Total Attachment C[1,2]	**4.9**	**23**	ND	ND
Total Table 3+ (17 compounds)[2,3]	**4.9**	**23**	ND	ND
Total Table 3+ (20 compounds)[2]	**4.9**	**23**	ND	ND

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

Sampling Event	Q2 2020	Q2 2020	Q2 2020
Location ID	EB	FBLK	FBLK
Field Sample ID	CFR-TARHEEL-EB-060120	CFR-TARHEEL-FB-052520	CFR-TARHEEL-FB-060120
Sample Date	06/01/20	05/25/20	06/01/20
Sample Type	Grab	Grab	Grab
Sample Start Date and Time	-	-	-
Sample Stop Date and Time	-	-	-
Composite Duration (hours)	-	-	-
QA/QC	Equipment Blank	Field Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-61452-1	320-61296-1	320-61452-1
Lab Sample ID	320-61452-4	320-61296-3	320-61452-3
Table 3+ SOP (ng/L)			
HFPO-DA	<2	<2	<2
PFMOAA	<2	<5	<2
PFO2HxA	<2	<2	<2
PFO3OA	<2	<2	<2
PFO4DA	**4.1**	<2	<2
PFO5DA	<2	<2	<2
PMPA	<13	<10	<13
PEPA	<2	<20	<2
PS Acid	<2	<2	<2
Hydro-PS Acid	<2	<2	<2
R-PSDA	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2
R-PSDCA	<2	<2	<2
NVHOS	<2	<2	<2
EVE Acid	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2
R-EVE	<2	<2	<2
PES	<2	<2	<2
PFECA B	<2	<2	<2
PFECA-G	<2	<2	<2
Perfluoroheptanoic Acid	--	--	<2 UJ
Total Attachment C[1,2]	**4.1**	ND	ND
Total Table 3+ (17 compounds)[2,3]	**4.1**	ND	ND
Total Table 3+ (20 compounds)[2]	**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**	
Sample Delivery Group (SDG)	**320-63228-1**	**320-85968-1**
Lab Sample ID	**320-63228-4**	**320-85968-3**
Table 3+ SOP (ng/L)		
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	Lock-Dam North	Lock-Dam Seep
Field Sample ID	CAP4Q22-CFR-BLADEN-110922	CAP4Q22-CFR-KINGS-111422	CAP4Q22-CFR-RM-76-110822	CAP4Q22-CFR-TARHEEL-110922	CAP4Q22-CFR-TARHEEL-24-111022	CAP4Q22-GBC-1-110822	CAP4Q22-LOCK-DAM-NORTH-110822	CAP4Q22-LOCK-DAM-SEEP-110822
Sample Date	11/09/22	11/14/22	11/08/22	11/09/22	11/10/22	11/08/22	11/08/22	11/08/22
QA/QC								
Sample Matrix	LIQUID	Liquid	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94320-1	320-94574-1	320-94320-1	320-94321-1	320-94321-1	320-94320-1	320-94320-1	320-94320-1
Lab Sample ID	320-94320-4	320-94574-1	320-94320-3	320-94321-3	320-94321-1	320-94320-2	320-94320-5	320-94320-1
537 Mod (ng/L)								
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<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	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<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	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<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	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<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	<2.0	<2.0
DONA	<2.0	<2.0	<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	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<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	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**7.6**	**10 J**	**6.9**	**8.2**	**7.2**	**2.0**	<2.0	**2.7**
Perfluorobutanoic Acid	**5.6**	**9.1**	**6.1**	**6.1**	<5.0	**10**	**49**	**100**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<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	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**7.1**	**4.5**	**4.7**	**4.3**	**2.0**	**8.9**	**100**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**5.4**	**7.4**	**6.0**	**6.3**	**5.4**	<2.0	<2.0	**2.8**
Perfluorohexanoic Acid	**10**	**16**	**11**	**11**	**10**	**3.1**	**8.2**	**19**
Perfluorononanesulfonic Acid	<2.0	<2.0	<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	<2.0	**3.1**
Perfluorooctadecanoic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**16**	**23**	**15**	**15**	**14**	**8.6**	**110**	**570**
Perfluorotetradecanoic Acid	<2.0	<2.0	<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	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**6.2**	**8.4**	**6.2**	**6.7**	**6.7**	<2.0	**12**	**12**
PFOS	**13**	**15**	**12**	**13**	**17**	<2.0	**11**	**38**

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

Location ID	OLDOF-1	OUTFALL 002	River Water Intake 2	SEEP-A-EFF	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	CAP4Q22-OLDOF-1-24-110922	CAP4Q22-OUTFALL-002-24-110922	RIVER-WATER-INTAKE2-24-110922	CAP4Q22-SEEP-A-EFF-24-110922	CAP4Q22-SEEP-A-EFF-24-110922-D	CAP4Q22-SEEP-B-EFF-24-110922	CAP4Q22-SEEP-C-EFF-23-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94320-1	320-94320-1	320-94320-1	320-94321-1	320-94319-1
Lab Sample ID	320-94319-5	320-94319-4	320-94320-6	320-94320-7	320-94320-8	320-94321-2	320-94319-2
537 Mod (ng/L)							
10:2 Fluorotelomer sulfonate	<2.0	<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	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<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	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<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	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<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	<2.0
DONA	<2.0	<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	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<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	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	**6.5**	**6.5**	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**5.1**	**5.1**	<5.0	**5.8**	**9.4**	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<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	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<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	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**4.3**	**4.4**	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	**5.5**	**5.1**	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**9.2**	**10**	<2.0	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<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	<2.0
Perfluorooctadecanoic Acid	<2.0	<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	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**6.5**	**15**	**15**	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<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	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	**6.5**	**5.1**	<2.0	<2.0	<2.0	<2.0
PFOS	<2.0	**12**	**9.7**	<2.0	<2.0	<2.0	<2.0

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

Location ID	SEEP-D-EFF	WC-1	EB	EB	FBLK
Field Sample ID	CAP4Q22-SEEP-D-EFF-24-110922	CAP4Q22-WC-1-24-110922	CAP4Q22-EQBLK-IS-110922	CAP4Q22-EQBLK-PP-110922	CAP4Q22-FB-110922
Sample Date	11/09/22	11/09/22	11/09/22	11/09/22	11/09/22
QA/QC			Equipment Blank	Equipment Blank	Field Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-94319-1	320-94319-1	320-94319-1	320-94319-1	320-94319-1
Lab Sample ID	320-94319-3	320-94319-1	320-94319-9	320-94319-8	320-94319-10
537 Mod (ng/L)					
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<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
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<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-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<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
N-ethylperfluoro-1-octanesulfonamide	<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
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	**3.9**	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**9.1**	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**2.9**	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**4.1**	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	**13**	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	**10**	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:
Bold - Analyte detected above associated reporting limit
B - Analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
< - Analyte not detected above associated reporting limit

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_1_Q1	3/28/20 1:00	3/31/20 12:30	*90,900,221*	0.29	2.50	0.83	0.10	0	0	1.23	0	0	0	0	0.75	0	0	0	0	0.10	0	0	0	1.32	4.9	4.9	5.8
2020_2_Q1	3/31/20 12:30	4/2/20 13:30	*27,756,145*	0.28	1.17	0.39	0.09	0	0	0.47	0	0	0	0	0.39	0	0	0	0	0	0	0	0	0.33	2.4	2.4	3.0
2020_3_Q1	4/2/20 13:30	4/3/20 15:00	9,680,794	0.17	0.48	0.21	0.05	0	0	0.28	0	0	0	0	0.17	0	0	0	0	0.02	0	0	0	0.10	1.2	1.2	1.5
2020_4_Q1	4/3/20 15:00	4/6/20 0:00	15,145,577	0.28	1.14	0.42	0.10	0	0.04	0.42	0	0	0	0	0.39	0	0	0	0	0.03	0	0	0	0.06	2.4	2.5	3.1
2020_5_Q1	4/6/20 0:00	4/9/20 6:30	16,574,785	0.33	1.56	0.55	0.13	0	0.08	0.51	0	0	0	0	0.51	0	0	0	0	0.06	0	0	0	0	3.2	3.3	4.1
2020_6_Q1	4/9/20 6:30	4/15/20 14:30	38,570,773	0.49	2.35	0.85	0.21	0	0.23	0.93	0	0	0	0	0.78	0	0	0	0	0.07	0	0	0	0	5.1	5.2	6.3
2020_7_Q1	4/15/20 14:30	4/19/20 2:00	55,746,498	0.31	1.56	0.61	0.14	0	0.38	0.95	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0	4.0	4.0	4.5
2020_8_Q1	4/19/20 2:00	4/22/20 13:30	27,903,959	0.33	1.42	0.53	0.14	0	0.15	0.70	0	0	0	0	0.47	0	0	0	0	0	0	0	0	0	3.3	3.3	3.8
2020_9_Q1	4/22/20 13:30	4/26/20 0:49	28,652,713	0.32	1.52	0.54	0.14	0	0	0.60	0	0	0	0	0.66	0	0	0	0	0	0	0	0	0	3.1	3.2	4.1
2020_10_Q1	4/26/20 0:49	4/29/20 11:49	22,888,734	0.30	1.35	0.55	0.13	0	0	0.53	0	0	0	0	0.62	0	0	0	0	0.05	0	0	0	0	2.9	2.9	3.9
2020_11_Q1	4/29/20 11:49	4/30/20 9:49	7,256,900	0.09	0.30	0.14	0.03	0	0	0.17	0	0	0	0	0.16	0	0	0	0	0.03	0	0	0	0	0.7	0.8	1.1
2020_12_Q1	4/30/20 9:49	5/3/20 1:00	55,522,229	0.67	1.50	0.89	0.19	0	0	1.33	0	0	0	1	1.00	0	0	0	0	0.33	0	0	0	0	4.6	4.8	7.2
2020_13_Q1	5/3/20 1:00	5/6/20 12:00	72,975,232	0.45	1.31	0.72	0.15	0	0	1.09	0	0	0	1	0.88	0	0	0	0	0	0	0	0	0	3.7	3.7	5.4
2020_14_Q1	5/6/20 12:00	5/9/20 23:49	44,993,799	0.42	1.53	0.63	0.17	0	0	0.81	0	0	0	1	0.67	0	0	0	0	0.12	0	0	0	0	3.6	3.7	5.0
2020_1_Q2	5/9/20 23:49	5/13/20 9:49	15,999,330	0.21	1.10	0.43	0.11	0	0	0.35	0	0	0	0	0.54	0	0	0	0	0.08	0	0	0	0	2.2	2.3	3.1
2020_2_Q2	5/13/20 9:49	5/13/20 20:50	1,909,858	0.04	0.18	0.07	0.02	0	0	0.05	0	0	0	0	0.09	0	0	0	0	0.01	0	0	0	0	0.4	0.4	0.5
2020_3_Q2	5/13/20 20:50	5/14/20 20:50	3,563,845	0.02	0.08	0.03	0.01	0	0	0.02	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0.2	0.2	0.2
2020_4_Q2	5/14/20 20:50	5/16/20 20:50	6,321,849	0.12	0.59	0.23	0.05	0	0	0.17	0	0	0	0	0.30	0	0	0	0	0.04	0	0	0	0	1.2	1.2	1.6
2020_5_Q2	5/16/20 20:50	5/20/20 8:49	11,021,058	0.28	1.32	0.50	0.11	0	0	0.35	0	0	0	0	0.60	0	0	0	0	0.09	0	0	0	0	2.8	2.9	3.7
2020_6_Q2	5/20/20 8:49	5/25/20 10:15	216,311,428	2.92	12.98	5.10	1.08	0	0	3.46	2	0	0	2	6.21	0	0	0	0	1.09	0	0	0	0	28.3	28.7	37.6
2020_7_Q2	5/25/20 10:15	5/29/20 9:10	171,453,975	0.34	0	0.38	0	0	0	0	0	0	0	0	0.58	0	0	0	0	0.34	0	0	0	0	0.7	0.7	1.6
2020_8_Q2	5/29/20 9:10	6/1/20 14:25	171,922,902	0.77	0	1.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	1.9	1.9
2020_9_Q2	6/1/20 14:25	6/5/20 11:06	172,656,875	0.35	0.98	0.54	0	0	0	0	0	0	0	0	0.47	0	0	0	0	0	0	0	0	0	1.9	1.9	2.7
2020_10_Q2	6/5/20 11:06	6/8/20 22:06	104,412,708	0.68	1.02	0.87	0	0	0	1.78	0	0	0	1	0.75	0	0	0	0	0	0	0	0	0	4.7	4.7	6.1
2020_11_Q2	6/8/20 22:06	6/12/20 9:06	58,107,953	0.58	0.99	0.76	0.20	0	0	1.45	0	0	0	0	0.53	0	0	0	0	0.22	0	0	0	0	4.2	4.2	5.4
2020_12_Q2	6/12/20 9:06	6/15/20 20:06	58,712,971	0.88	0.82	0.76	0.18	0	0	1.59	0	0	0	0	0.47	0	0	0	0	0	0	0	0	0	4.4	4.4	5.2
2020_13_Q2	6/15/20 20:06	6/19/20 7:06	88,876,954	1.42	0.98	1.60	0.34	0	0	3.20	0	0	0	0	0.64	0	0	0	0	0	0	0	0	0	8.0	8.0	9.1
2020_14_Q2	6/19/20 7:06	6/22/20 18:06	120,134,505	0.70	0.59	0.96	0	0	0	2.52	0	0	0	1	0.49	0	0	0	0	0	0	0	0	0	4.8	4.8	5.9
2020_15_Q2	6/22/20 18:06	6/26/20 5:06	70,462,140	0.70	2.11	0.92	0.20	0	0	1.41	0	0	0	1	0.85	0	0	0	0	0.25	0	0	0	0	5.6	5.6	7.4
2020_16_Q2	6/26/20 5:06	6/29/20 16:06	36,712,395	0.55	1.80	0.66	0.15	0	0	0.95	0	0	0	1	0.62	0	0	0	0	0.18	0	0	0	0	4.3	4.4	5.7
2020_1_Q3	6/29/20 16:06	7/2/20 8:29	16,684,371	0.32	0	0.42	0.09	0	0	0.45	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0	1.4	1.5	1.7
2020_2_Q3	7/1/20 0:00	7/3/20 8:29	13,836,149	0.26	0.83	0.36	0.08	0	0	0.54	0	0	0	0	0.39	0	0	0	0	0.08	0	0	0	0	2.1	2.1	2.9
2020_3_Q3	7/3/20 8:29	7/6/20 8:29	15,030,129	0.29	1.18	0.43	0.09	0	0	0.52	0	0	0	0	0.47	0	0	0	0	0.09	0	0	0	0	2.5	2.6	3.5
2020_4_Q3	7/6/20 8:29	7/7/20 7:29	4,575,096	0.09	0.44	0.14	0.03	0	0	0.14	0	0	0	0	0.16	0	0	0	0	0.03	0	0	0	0	0.9	0.9	1.2
2020_5_Q3	7/7/20 7:29	7/9/20 12:01	12,348,326	0.21	1.07	0.35	0.07	0	0	0.35	0	0	0	0	0.41	0	0	0	0	0.06	0	0	0	0	2.1	2.1	2.8
2020_6_Q3	7/9/20 12:01	7/10/20 11:01	5,842,473	0.09	0.45	0.15	0.03	0	0	0.15	0	0	0	0	0.19	0	0	0	0	0.03	0	0	0	0	0.9	0.9	1.2
2020_7_Q3	7/10/20 11:01	7/13/20 0:01	14,776,297	0.23	1.01	0.39	0.09	0	0	0.39	0	0	0	0	0.47	0	0	0	0	0.08	0	0	0	0	2.2	2.2	3.0
2020_8_Q3	7/13/20 0:01	7/13/20 23:01	5,890,640	0.05	0.18	0.08	0.02	0	0	0.08	0	0	0	0	0.09	0	0	0	0	0.02	0	0	0	0	0.4	0.4	0.6
2020_9_Q3	7/13/20 23:01	7/16/20 0:01	12,180,378	0.22	0.83	0.36	0.08	0	0	0.34	0	0	0	0	0.34	0	0	0	0	0.06	0	0	0	0	1.9	1.9	2.5
2020_10_Q3	7/16/20 0:01	7/16/20 23:01	4,890,093	0.10	0.37	0.15	0.03	0	0	0.14	0	0	0	0	0.12	0	0	0	0	0.02	0	0	0	0	0.8	0.8	1.0
2020_11_Q3	7/16/20 23:01	7/20/20 0:01	12,608,784	0.29	1.11	0.38	0.10	0	0.02	0.18	0	0	0	0	0.15	0	0	0	0	0.02	0	0	0	0	2.1	2.2	2.4
2020_12_Q3	7/20/20 0:01	7/20/20 23:01	4,441,299	0.12	0.44	0.13	0.04	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.8	0.8
2020_13_Q3	7/20/20 23:01	7/22/20 0:01	5,466,058	0.13	0.27	0.16	0.05	0	0.01	0.08	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0	0.7	0.8	0.9

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_14_Q3	7/22/20 0:01	7/22/20 23:01	4,514,442	0.10	0	0.14	0.04	0	0.01	0.13	0	0	0	0	0.13	0	0	0	0	0	0	0	0	0	0.4	0.5	0.7
2020_15_Q3	7/22/20 23:01	7/23/20 23:01	4,066,412	0.08	0.27	0.12	0.03	0	0.01	0.10	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0	0.6	0.6	0.8
2020_16_Q3	7/23/20 23:01	7/27/20 0:01	20,315,242	0.35	1.10	0.49	0.11	0	0.02	0.24	0	0	0	0	0.44	0	0	0	0	0	0	0	0	0	2.3	2.4	3.1
2020_17_Q3	7/27/20 0:01	7/27/20 11:01	3,081,921	0.04	0.13	0.06	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0.2	0.3	0.3
2020_18_Q3	7/27/20 11:01	7/28/20 16:20	8,598,694	0.12	0.34	0.16	0.04	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.02	0.7	0.7	0.8
2020_19_Q3	7/28/20 16:20	7/29/20 0:01	2,165,219	0.03	0.09	0.04	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2020_20_Q3	7/29/20 0:01	7/29/20 23:01	6,721,966	0.09	0.36	0.14	0.03	0	0	0	0	0	0	0	0.13	0	0	0	0	0	0	0	0	0.02	0.6	0.7	0.8
2020_21_Q3	7/29/20 23:01	7/30/20 23:01	9,491,439	0.10	0.39	0.17	0.05	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.03	0.7	0.8	0.9
2020_22_Q3	7/30/20 23:01	8/3/20 14:50	30,789,134	0.40	1.37	0.63	0.16	0	0	0.32	0	0	0	0	0.60	0	0	0	0	0	0	0	0	0.12	3.0	3.1	3.7
2020_23_Q3	8/3/20 14:50	8/4/20 12:30	6,376,388	0.19	0.30	0.19	0.05	0	0	0.21	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.03	1.0	1.0	1.2
2020_24_Q3	8/4/20 12:30	8/5/20 23:55	30,928,538	0.75	0.85	0.70	0.15	0	0	0.70	0	0	0	0	0.53	0	0	0	0	0	0	0	0	0.12	3.5	3.6	4.1
2020_25_Q3	8/5/20 23:55	8/6/20 22:55	20,578,759	0.10	0.17	0.17	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2020_26_Q3	8/6/20 22:55	8/9/20 22:38	58,359,492	0.37	0.24	0.82	0.18	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.21	1.7	1.7	1.7
2020_27_Q3	8/9/20 22:38	8/10/20 21:56	13,933,248	0.11	0	0.28	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.5	0.5	0.5
2020_28_Q3	8/10/20 21:56	8/12/20 0:01	20,465,095	0.14	0.28	0.32	0.08	0	0	0	0	0	0	0	0.15	0	0	0	0	0.04	0	0	0	0.09	0.8	0.8	1.1
2020_29_Q3	8/12/20 0:01	8/12/20 23:01	18,224,184	0.11	0.49	0.20	0.04	0	0	0	0	0	0	0	0.27	0	0	0	0	0.07	0	0	0	0.07	0.8	0.8	1.3
2020_30_Q3	8/12/20 23:01	8/17/20 0:01	68,965,142	0.32	1.45	0.59	0.07	0	0	0	0	0	0	0	0.74	0	0	0	0	0.13	0	0	0	0.22	2.4	2.4	3.7
2020_31_Q3	8/17/20 0:01	8/17/20 23:01	29,873,707	0.10	0.45	0.19	0	0	0	0	0	0	0	0	0.19	0	0	0	0	0	0	0	0	0.07	0.7	0.7	1.0
2020_32_Q3	8/17/20 23:01	8/20/20 0:01	60,110,322	0.29	1.23	0.55	0.07	0	0	0	0	0	0	0	0.52	0	0	0	0	0	0	0	0	0.16	2.1	2.1	3.0
2020_33_Q3	8/20/20 0:01	8/20/20 23:01	20,274,466	0.13	0.53	0.24	0.05	0	0	0	0	0	0	0	0.22	0	0	0	0	0	0	0	0	0.06	0.9	0.9	1.3
2020_34_Q3	8/20/20 23:01	8/25/20 0:01	82,304,076	0.55	2.43	1.11	0.22	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0	0.26	4.3	4.3	5.0
2020_35_Q3	8/25/20 0:01	8/25/20 23:01	14,273,984	0.10	0.47	0.21	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.8	0.8	0.8
2020_36_Q3	8/25/20 23:01	8/27/20 11:18	13,059,107	0.12	0.63	0.25	0.06	0	0	0.15	0	0	0	0	0.15	0	0	0	0	0.02	0	0	0	0.05	1.2	1.2	1.4
2020_37_Q3	8/27/20 11:18	8/31/20 13:30	21,797,969	0.33	1.78	0.64	0.14	0	0	0.59	0	0	0	0	0.66	0	0	0	0	0.08	0	0	0	0.10	3.6	3.6	4.5
2020_38_Q3	8/31/20 13:30	9/3/20 0:01	30,093,899	0.39	1.82	0.71	0.17	0	0	0.47	0	0	0	0	0.70	0	0	0	0	0.07	0	0	0	0.12	3.6	3.7	4.7
2020_39_Q3	9/3/20 0:01	9/3/20 23:01	13,891,707	0.11	0.29	0.17	0.05	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.03	0.6	0.6	0.8
2020_40_Q3	9/3/20 23:01	9/7/20 0:01	30,452,220	0.30	0.72	0.44	0.12	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0.07	1.6	1.6	2.0
2020_41_Q3	9/7/20 0:01	9/7/20 23:01	7,001,539	0.08	0.18	0.12	0.03	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2020_42_Q3	9/7/20 23:01	9/10/20 0:01	11,457,874	0.22	0.46	0.27	0.07	0	0	0.17	0	0	0	0	0.32	0	0	0	0	0.04	0	0	0	0.04	1.2	1.2	1.7
2020_43_Q3	9/10/20 0:01	9/10/20 23:01	3,946,632	0.10	0.22	0.12	0.03	0	0	0.12	0	0	0	0	0.16	0	0	0	0	0.02	0	0	0	0.02	0.6	0.6	0.9
2020_44_Q3	9/10/20 23:01	9/14/20 0:01	15,795,194	0.35	0.72	0.44	0.10	0	0	0.24	0	0	0	0	0.51	0	0	0	0	0.05	0	0	0	0.08	1.9	1.9	2.7
2020_45_Q3	9/14/20 0:01	9/14/20 23:01	4,603,385	0.08	0.17	0.12	0.02	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2020_46_Q3	9/14/20 23:01	9/17/20 0:01	8,296,694	0.18	0.15	0.24	0.05	0	0	0.14	0	0	0	0	0.22	0	0	0	0	0.01	0	0	0	0.04	0.8	0.8	1.1
2020_47_Q3	9/17/20 0:01	9/17/20 23:01	3,677,254	0.09	0	0.12	0.03	0	0	0.12	0	0	0	0	0.11	0	0	0	0	0.01	0	0	0	0.02	0.4	0.4	0.6
2020_48_Q3	9/17/20 23:01	9/18/20 10:01	3,161,179	0.13	0	0.12	0.03	0	0	0.15	0	0	0	0	0.15	0	0	0	0	0.02	0	0	0	0.01	0.5	0.5	0.9
2020_49_Q3	9/18/20 10:01	9/21/20 0:01	28,670,297	0.71	0.11	0.68	0.13	0	0	1.15	0	0	0	1	0.81	0	0	0	0	0.11	0	0	0	0.12	3.2	3.3	5.0
2020_50_Q3	9/21/20 0:01	9/21/20 23:01	15,482,746	0.11	0.12	0.13	0	0	0	0.53	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.06	0.9	0.9	1.0
2020_51_Q3	9/21/20 23:01	9/24/20 0:01	26,249,972	0.24	0.29	0.24	0.04	0	0	0.85	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0.13	1.7	1.7	1.9
2020_52_Q3	9/24/20 0:01	9/24/20 23:01	10,370,932	0.11	0.15	0.10	0.03	0	0	0.32	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.06	0.7	0.7	0.8
2020_53_Q3	9/24/20 23:01	9/25/20 23:01	10,821,255	0.12	0.13	0.13	0.03	0	0	0.35	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.06	0.8	0.8	0.9
2020_54_Q3	9/25/20 23:01	9/26/20 23:01	19,919,967	0.24	0.18	0.26	0.05	0	0	0.68	0	0	0	0	0.26	0	0	0	0	0	0	0	0	0.10	1.4	1.4	1.7
2020_55_Q3	9/26/20 23:01	9/28/20 0:01	28,474,571	0.26	0.21	0.27	0.04	0	0	0.94	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0.12	1.7	1.7	2.0
2020_56_Q3	9/28/20 0:01	9/28/20 23:01	22,732,255	0.14	0.14	0.14	0	0	0	0.73	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0.08	1.2	1.2	1.3
2020_57_Q3	9/28/20 23:01	9/29/20 23:01	22,444,018	0.12	0.09	0.15	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.09	0.4	0.4	0.5

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_58_Q3	9/29/20 23:01	10/1/20 0:01	*28,869,846*	0.32	0.66	0.35	0.07	0	0	0.72	0	0	0	0	0.35	0	0	0	0	0.08	0	0	0	0.14	2.1	2.1	2.8
2020_1_Q4	10/1/20 0:01	10/1/20 17:01	22,630,824	0.12	0.07	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.3	0.3	0.3
2020_2_Q4	10/1/20 17:01	10/6/20 15:30	94,327,975	0.63	0.32	0.78	0.10	0	0	0	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0.51	1.8	1.8	2.1
2020_3_Q4	10/6/20 15:30	10/6/20 23:30	3,102,054	0.03	0.01	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2020_4_Q4	10/6/20 23:30	10/7/20 17:30	5,666,371	0.06	0.03	0.07	0.02	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.2
2020_5_Q4	10/7/20 17:30	10/8/20 16:30	6,244,374	0.08	0.05	0.09	0.02	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.3
2020_6_Q4	10/8/20 16:30	10/12/20 0:01	18,702,796	0.34	0.57	0.42	0.16	0	0.03	0.31	0	0	0	0	0.27	0	0	0	0	0.04	0	0	0	0.09	1.9	2.0	2.5
2020_7_Q4	10/12/20 0:01	10/12/20 23:01	9,731,254	0.22	0.53	0.29	0.13	0	0.03	0.32	0	0	0	0	0.20	0	0	0	0	0.05	0	0	0	0.04	1.6	1.7	2.1
2020_8_Q4	10/12/20 23:01	10/15/20 0:01	47,688,854	0.66	1.65	0.88	0.31	0	0.08	0.79	0	0	0	1	0.62	0	0	0	0	0.11	0	0	0	0.19	4.6	4.7	6.0
2020_9_Q4	10/15/20 0:01	10/15/20 23:01	20,096,070	0.09	0.30	0.14	0	0	0	0	0	0	0	0	0.10	0	0	0	0	0	0	0	0	0.08	0.5	0.5	0.7
2020_10_Q4	10/15/20 23:01	10/19/20 0:01	54,708,233	0.29	0.90	0.40	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0.25	1.6	1.6	2.1
2020_11_Q4	10/19/20 0:01	10/19/20 23:01	17,102,073	0.10	0.31	0.13	0	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.09	0.5	0.5	0.7
2020_12_Q4	10/19/20 23:01	10/22/20 0:01	30,272,040	0.20	0.38	0.24	0	0	0	0.42	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.16	1.2	1.2	1.4
2020_13_Q4	10/22/20 0:01	10/22/20 23:01	11,426,018	0.08	0.08	0.09	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.6	0.6	0.6
2020_14_Q4	10/22/20 23:01	10/30/20 0:01	54,393,236	0.49	0.98	0.58	0.08	0	0	0.76	0	0	0	0	0.23	0	0	0	0	0.08	0	0	0	0.26	2.9	3.0	3.6
2020_15_Q4	10/30/20 0:01	10/31/20 0:01	9,159,622	0.10	0.27	0.12	0.03	0	0	0	0	0	0	0	0.08	0	0	0	0	0.03	0	0	0	0.04	0.5	0.5	0.8
2020_16_Q4	10/31/20 0:01	10/31/20 23:01	9,568,914	0.08	0.26	0.11	0.02	0	0	0.20	0	0	0	0	0.06	0	0	0	0	0.02	0	0	0	0.05	0.7	0.7	0.9
2020_17_Q4	10/31/20 23:01	11/2/20 0:01	13,443,423	0.11	0.28	0.13	0.02	0	0	0.28	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.07	0.8	0.9	1.0
2020_18_Q4	11/2/20 0:01	11/2/20 23:01	14,928,953	0.10	0.22	0.13	0	0	0	0.30	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.09	0.8	0.8	0.9
2020_19_Q4	11/2/20 23:01	11/5/20 0:01	28,761,279	0.19	0.53	0.26	0.03	0	0	0.66	0	0	0	0	0.13	0	0	0	0	0	0	0	0	0.16	1.7	1.7	1.8
2020_20_Q4	11/5/20 0:01	11/5/20 23:01	9,736,096	0.06	0.21	0.09	0.02	0	0	0.25	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.6	0.6	0.7
2020_21_Q4	11/5/20 23:01	11/9/20 0:01	19,869,252	0.18	0.57	0.26	0.06	0	0	0.48	0	0	0	0	0.19	0	0	0	0	0.03	0	0	0	0.09	1.5	1.6	2.0
2020_22_Q4	11/9/20 0:01	11/9/20 23:01	5,385,015	0.06	0.19	0.09	0.02	0	0	0.12	0	0	0	0	0.08	0	0	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020_23_Q4	11/9/20 23:01	11/11/20 0:01	5,694,659	0.07	0.21	0.10	0.02	0	0	0.06	0	0	0	0	0.08	0	0	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020_24_Q4	11/11/20 0:01	11/12/20 0:01	5,548,629	0.08	0.21	0.10	0.02	0	0	0	0	0	0	0	0.08	0	0	0	0	0.02	0	0	0	0.02	0.4	0.4	0.6
2020_25_Q4	11/12/20 0:01	11/12/20 19:01	15,004,644	0.69	0.72	0.68	0.17	0	0.08	0.78	0	0	0	1	0.32	0	0	0	0	0.17	0	0	0	0.05	3.5	3.6	4.7
2020_26_Q4	11/12/20 19:01	11/13/20 14:10	43,872,706	1.07	1.05	1.06	0.24	0	0.12	1.14	0	0	0	1	0.46	0	0	0	0	0.24	0	0	0	0.15	5.3	5.4	7.0
2020_27_Q4	11/13/20 14:10	11/18/20 12:25	340,079,098	1.50	1.38	1.87	0	0	0	0	0	0	0	1	0.43	0	0	0	0	0	0	0	0	0.97	4.7	4.7	6.2
2020_28_Q4	11/18/20 12:25	11/20/20 11:06	68,070,868	0.41	0.62	0.52	0	0	0	0	0	0	0	0	0.25	0	0	0	0	0	0	0	0	0.20	1.5	1.5	2.2
2020_29_Q4	11/20/20 11:06	11/24/20 0:01	114,667,938	0.76	1.61	0.78	0	0	0	0	0	0	0	1	0.48	0	0	0	0	0	0	0	0	0.45	3.1	3.1	4.2
2020_30_Q4	11/24/20 0:01	11/24/20 23:01	26,346,560	0.19	0.47	0.16	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.12	0.8	0.8	1.0
2020_31_Q4	11/24/20 23:01	11/26/20 0:01	24,616,628	0.18	0.48	0.17	0	0	0	0	0	0	0	0	0.10	0	0	0	0	0	0	0	0	0.13	0.8	0.8	1.0
2020_32_Q4	11/26/20 0:01	11/26/20 23:01	18,652,845	0.15	0.39	0.14	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.11	0.7	0.7	0.8
2020_33_Q4	11/26/20 23:01	11/30/20 0:01	42,065,553	0.54	1.11	0.45	0.07	0	0	0.57	0	0	0	0	0.29	0	0	0	0	0.07	0	0	0	0.22	2.7	2.7	3.4
2020_34_Q4	11/30/20 0:01	11/30/20 23:01	14,786,746	0.27	0.47	0.21	0.05	0	0	0.40	0	0	0	0	0.14	0	0	0	0	0.05	0	0	0	0.07	1.4	1.4	1.7
2020_35_Q4	11/30/20 23:01	12/3/20 0:01	61,797,695	0.69	1.28	0.57	0.10	0	0	1.70	0	0	0	0	0.39	0	0	0	0	0.10	0	0	0	0.27	4.3	4.3	5.2
2020_36_Q4	12/3/20 0:01	12/3/20 23:01	29,417,522	0.13	0.28	0.13	0	0	0	0.82	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.12	1.4	1.4	1.6
2020_37_Q4	12/3/20 23:01	12/7/20 0:01	78,024,607	0.39	0.88	0.41	0	0	0	1.09	0	0	0	0	0.35	0	0	0	0	0.11	0	0	0	0.32	2.8	2.8	3.6
2020_38_Q4	12/7/20 0:01	12/7/20 23:01	24,457,855	0.13	0.32	0.15	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0.07	0	0	0	0.11	0.6	0.6	1.0
2020_39_Q4	12/7/20 23:01	12/10/20 0:01	50,972,618	0.29	0.79	0.30	0	0	0	0	0	0	0	0	0.15	0	0	0	0	0.07	0	0	0	0.20	1.4	1.4	1.8
2020_40_Q4	12/10/20 0:01	12/10/20 23:01	20,430,180	0.12	0.37	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.6	0.6	0.6
2020_41_Q4	12/10/20 23:01	12/13/20 0:01	31,261,119	0.23	0.67	0.23	0	0	0	0	0	0	0	0	0.11	0	0	0	0	0.04	0	0	0	0.14	1.1	1.1	1.4
2020_42_Q4	12/13/20 0:01	12/13/20 23:01	11,706,864	0.11	0.29	0.11	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0.03	0	0	0	0.06	0.5	0.5	0.7
2020_43_Q4	12/13/20 23:01	12/14/20 0:59	982,198	0.01	0.03	0.01	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.1
2020_44_Q4	12/14/20 0:59	12/14/20 11:59	5,310,853	0.05	0.14	0.05	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.3

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_45_Q4	12/14/20 11:59	12/15/20 16:11	15,379,021	0.16	0.36	0.15	0.04	0	0	0.21	0	0	0	0	0.13	0	0	0	0	0.02	0	0	0	0.06	0.9	0.9	1.1
2020_46_Q4	12/15/20 16:11	12/17/20 12:29	47,125,887	0.33	0.63	0.30	0.06	0	0	0.64	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0.21	2.0	2.1	2.4
2020_47_Q4	12/17/20 12:29	12/21/20 13:52	149,396,568	0.53	1.25	0.51	0	0	0	0	0	0	0	1	0.40	0	0	0	0	0	0	0	0	0.63	2.3	2.3	3.3
2020_48_Q4	12/21/20 13:52	12/23/20 9:30	65,902,080	0.24	0.33	0.24	0	0	0	0	0	0	0	0	0.21	0	0	0	0	0	0	0	0	0.24	0.8	0.8	1.1
2020_49_Q4	12/23/20 9:30	12/24/20 19:20	43,431,813	0.34	0.37	0.27	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0.16	1.0	1.0	1.6
2020_50_Q4	12/24/20 19:20	12/28/20 15:00	183,564,524	1.38	1.56	1.06	0	0	0	0	0	0	0	1	1.19	0	0	0	0	0	0	0	0	0.66	4.0	4.0	6.4
2020_51_Q4	12/28/20 15:00	12/30/20 10:56	73,223,967	0.27	0.44	0.27	0	0	0	0	0	0	0	0	0.23	0	0	0	0	0.10	0	0	0	0.25	1.0	1.0	1.5
2021_1_Q1	12/30/20 10:56	1/6/21 12:10	*334,627,822*	1.20	2.51	1.39	0	0	0	0	0	0	0	1	0.72	0	0	0	0	0.47	0	0	0	0.59	5.1	5.1	7.2
2021_2_Q1	1/6/21 12:10	1/7/21 11:00	45,269,293	0.14	0.07	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4	0.4
2021_3_Q1	1/7/21 11:00	1/11/21 10:30	161,851,166	0.73	1.05	0.76	0	0	0	0	0	0	0	0	0.23	0	0	0	0	0	0	0	0	0	2.5	2.5	3.1
2021_4_Q1	1/11/21 10:30	1/14/21 12:40	80,160,009	0.60	1.36	0.63	0.08	0	0	0	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0	2.7	2.7	3.3
2021_5_Q1	1/14/21 12:40	1/21/21 0:01	101,278,798	0.95	2.13	0.93	0.10	0	0	0.71	0	0	0	1	0.58	0	0	0	0	0	0	0	0	0.12	4.8	4.8	5.9
2021_6_Q1	1/21/21 0:01	1/22/21 0:01	12,924,035	0.12	0.27	0.11	0	0	0	0.18	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.03	0.7	0.7	0.8
2021_7_Q1	1/22/21 0:01	1/22/21 23:01	11,886,280	0.12	0.27	0.10	0	0	0	0.17	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.03	0.7	0.7	0.8
2021_8_Q1	1/22/21 23:01	1/26/21 15:00	38,714,509	0.52	1.14	0.41	0.06	0	0	0.66	0	0	0	1	0.34	0	0	0	0	0.08	0	0	0	0.09	2.8	2.9	3.8
2021_9_Q1	1/26/21 15:00	1/26/21 16:10	630,758	0.01	0.02	0.01	0.00	0	0	0.01	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1
2021_10_Q1	1/26/21 16:10	1/27/21 0:01	4,979,036	0.05	0.11	0.06	0.01	0	0	0.09	0	0	0	0	0.04	0	0	0	0	0.02	0	0	0	0.02	0.3	0.3	0.4
2021_11_Q1	1/27/21 0:01	1/27/21 15:10	12,789,729	0.13	0.29	0.14	0.01	0	0	0.23	0	0	0	0	0.09	0	0	0	0	0.04	0	0	0	0.03	0.8	0.8	1.0
2021_12_Q1	1/27/21 15:10	1/28/21 0:01	9,642,566	0.09	0.22	0.09	0	0	0	0.16	0	0	0	0	0.06	0	0	0	0	0.03	0	0	0	0.02	0.6	0.6	0.7
2021_13_Q1	1/28/21 0:01	1/28/21 23:01	29,998,584	0.22	0.48	0.21	0	0	0	0.42	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0.07	1.3	1.3	1.7
2021_14_Q1	1/28/21 23:01	2/1/21 10:05	129,039,020	0.83	1.59	0.76	0	0	0	1.74	0	0	0	0	0.49	0	0	0	0	0	0	0	0	0.35	4.9	4.9	5.8
2021_15_Q1	2/1/21 10:05	2/4/21 16:35	157,579,853	0.79	0.68	0.74	0	0	0	1.81	0	0	0	0	0.57	0	0	0	0	0	0	0	0	0.43	4.0	4.0	4.6
2021_16_Q1	2/4/21 16:35	2/8/21 16:00	159,603,375	0.36	0	0.37	0	0	0	0.80	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0.51	1.5	1.5	1.9
2021_17_Q1	2/8/21 16:00	2/11/21 0:01	83,254,162	0.42	1.00	0.34	0	0	0	0.83	0	0	0	0	0.25	0	0	0	0	0	0	0	0	0.31	2.6	2.6	3.1
2021_18_Q1	2/11/21 0:01	2/12/21 14:01	32,965,312	0.33	0.79	0.27	0	0	0	0.66	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0.12	2.1	2.1	2.4
2021_19_Q1	2/12/21 14:01	2/16/21 12:00	180,462,725	1.27	2.17	1.03	0	0	0	3.16	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0.55	7.6	7.6	8.6
2021_20_Q1	2/16/21 12:00	2/19/21 13:35	186,467,284	1.17	0.83	0.71	0	0	0	2.89	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0.24	5.6	5.6	6.3
2021_21_Q1	2/19/21 13:35	2/22/21 9:35	164,917,031	1.16	1.26	0.94	0.18	0	0	2.31	0	0	0	1	0.51	0	0	0	0	0.17	0	0	0	0	6.1	6.1	7.7
2021_22_Q1	2/22/21 9:35	2/24/21 15:15	93,018,293	0.47	0.70	0.56	0.10	0	0	0.95	0	0	0	1	0.26	0	0	0	0	0.10	0	0	0	0	2.9	2.9	3.8
2021_23_Q1	2/24/21 15:15	2/25/21 12:20	35,590,029	0.17	0.29	0.19	0	0	0	0.36	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.06	1.0	1.0	1.2
2021_24_Q1	2/25/21 12:20	3/5/21 0:01	331,411,594	1.66	3.21	1.77	0	0	0	1.99	0	0	0	2	1.18	0	0	0	0	0	0	0	0	1.11	8.6	8.6	11.5
2021_25_Q1	3/5/21 0:01	3/6/21 0:01	43,768,217	0.20	0.53	0.23	0	0	0	0	0	0	0	0	0.21	0	0	0	0	0	0	0	0	0.15	0.9	0.9	1.5
2021_26_Q1	3/6/21 0:01	3/6/21 23:01	41,150,891	1.15	0.45	0.19	0	0	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0.16	1.8	1.8	2.2
2021_27_Q1	3/6/21 23:01	3/8/21 0:01	42,955,240	0.73	0.49	0.20	0	0	0	0	0	0	0	0	0.13	0	0	0	0	0	0	0	0	0.17	1.4	1.4	1.8
2021_28_Q1	3/8/21 0:01	3/8/21 23:01	38,107,963	0.22	0.46	0.17	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.15	0.8	0.8	1.1
2021_29_Q1	3/8/21 23:01	3/11/21 0:01	74,531,356	0.51	1.19	0.44	0	0	0	0.52	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0.28	2.7	2.7	3.2
2021_30_Q1	3/11/21 0:01	3/11/21 23:01	25,460,186	0.20	0.51	0.18	0	0	0	0.36	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.09	1.3	1.3	1.5
2021_31_Q1	3/11/21 23:01	3/15/21 0:01	61,556,350	0.49	1.23	0.44	0	0	0	0.86	0	0	0	0	0.26	0	0	0	0	0	0	0	0	0.22	3.0	3.0	3.6
2021_32_Q1	3/15/21 0:01	3/15/21 23:01	21,039,530	0.16	0.40	0.14	0	0	0	0.25	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.09	0.9	0.9	1.1
2021_33_Q1	3/15/21 23:01	3/18/21 0:01	46,167,900	0.29	0.74	0.27	0	0	0	0.53	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.19	1.8	1.8	2.2
2021_34_Q1	3/18/21 0:01	3/18/21 23:01	30,138,753	0.15	0.39	0.16	0	0	0	0.33	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.11	1.0	1.0	1.2
2021_35_Q1	3/18/21 23:01	3/24/21 0:01	118,868,402	0.83	1.96	1.08	0.13	0	0	1.66	0	0	0	2	1.00	0	1	0	0	0.32	0	0	0	0.42	5.9	6.5	9.3
2021_36_Q1	3/24/21 0:01	3/24/21 23:01	19,076,663	0.17	0.38	0.25	0.04	0	0	0.32	0	0	0	0	0.27	0	0	0	0	0.10	0	0	0	0.06	1.2	1.4	2.2
2021_37_Q1	3/24/21 23:01	3/25/21 23:01	19,613,126	0.25	0.20	0.16	0	0	0	0.37	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0.13	1.4	1.4	1.5

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_38_Q1	3/25/21 23:01	3/29/21 0:01	63,362,994	0.52	0.57	0.41	0	0	0	0.60	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0.28	2.7	2.8	3.1
2021_39_Q1	3/29/21 0:01	3/29/21 12:50	17,967,039	0.06	0.14	0.08	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.4
2021_40_Q1	3/29/21 12:50	3/29/21 23:01	15,484,784	0.05	0.10	0.05	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.3
2021_41_Q1	3/29/21 23:01	3/30/21 8:50	15,161,123	0.04	0.08	0.03	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.06	0.2	0.2	0.3
2021_42_Q1	3/30/21 8:50	3/31/21 0:01	25,026,429	0.09	0.15	0.07	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.08	0.3	0.3	0.5
2021_43_Q1	3/31/21 0:01	3/31/21 23:01	39,405,157	0.17	0.27	0.15	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.11	0.6	0.6	0.7
2021_1_Q2	3/31/21 23:01	4/5/21 0:01	*129,765,602*	2.28	6.14	2.25	0.42	0	0	2.01	0	0	0	1	3.12	0	0	0	0	0.42	0	0	0	0.38	13.3	13.4	18.0
2021_2_Q2	4/5/21 0:01	4/5/21 23:01	11,113,824	0.34	0.98	0.34	0.07	0	0	0.34	0	0	0	0	0.50	0	0	0	0	0.07	0	0	0	0.04	2.1	2.1	2.9
2021_3_Q2	4/5/21 23:01	4/7/21 0:01	10,735,879	0.24	0.62	0.25	0.05	0	0	0.31	0	0	0	0	0.31	0	0	0	0	0.03	0	0	0	0.03	1.5	1.5	2.0
2021_4_Q2	4/7/21 0:01	4/7/21 23:01	10,410,944	0.15	0.29	0.16	0.03	0	0	0.27	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0.03	0.9	0.9	1.1
2021_5_Q2	4/7/21 23:01	4/12/21 0:01	45,886,544	0.55	1.35	0.62	0.08	0	0	1.03	0	0	0	0	0.71	0	0	0	0	0.11	0	0	0	0.14	3.6	3.6	4.8
2021_6_Q2	4/12/21 0:01	4/12/21 23:01	13,840,482	0.14	0.43	0.17	0	0	0	0.26	0	0	0	0	0.25	0	0	0	0	0.06	0	0	0	0.04	1.0	1.0	1.4
2021_7_Q2	4/12/21 23:01	4/15/21 0:01	29,381,843	0.29	0.91	0.34	0	0	0	0.50	0	0	0	0	0.39	0	0	0	0	0.07	0	0	0	0.10	2.0	2.0	2.7
2021_8_Q2	4/15/21 0:01	4/15/21 23:01	11,500,434	0.12	0.36	0.13	0	0	0	0.17	0	0	0	0	0.10	0	0	0	0	0	0	0	0	0.05	0.8	0.8	0.9
2021_9_Q2	4/15/21 23:01	4/18/21 0:01	16,662,709	0.28	0.68	0.22	0	0	0	0.27	0	0	0	0	0.22	0	0	0	0	0.03	0	0	0	0.06	1.5	1.5	1.9
2021_10_Q2	4/18/21 0:01	4/19/21 0:01	8,227,630	0.20	0.42	0.13	0	0	0	0.14	0	0	0	0	0.15	0	0	0	0	0.03	0	0	0	0.03	0.9	0.9	1.2
2021_11_Q2	4/19/21 0:01	4/19/21 23:01	7,742,902	0.24	0.71	0.37	0.15	0	0	0.19	0	0	0	0	0.17	0	0	0	0	0.05	0	0	0	0.04	1.7	1.7	2.1
2021_12_Q2	4/19/21 23:01	4/20/21 15:00	4,805,992	0.10	0.32	0.15	0.05	0	0	0.10	0	0	0	0	0.09	0	0	0	0	0.01	0	0	0	0.02	0.7	0.8	0.9
2021_13_Q2	4/20/21 15:00	4/21/21 10:48	4,923,224	0.10	0.24	0.13	0.03	0	0	0.14	0	0	0	0	0.11	0	0	0	0	0.01	0	0	0	0.02	0.6	0.7	0.9
2021_14_Q2	4/21/21 10:48	4/21/21 14:20	767,103	0.02	0.04	0.03	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.2
2021_15_Q2	4/21/21 14:20	4/22/21 13:20	4,914,813	0.11	0.31	0.13	0.04	0	0	0.09	0	0	0	0	1.62	0	0	0	0	0.11	0	0	0	0.02	0.7	0.7	2.6
2021_16_Q2	4/22/21 13:20	4/27/21 19:10	24,434,154	0.56	1.55	0.62	0.16	0	0	0.60	0	0	0	1	4.41	0	0	0	0	0.28	0	0	0	0.09	3.5	3.6	8.9
2021_17_Q2	4/27/21 19:10	4/28/21 0:01	951,361	0.02	0.06	0.02	0.01	0	0	0.03	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.00	0.1	0.1	0.2
2021_18_Q2	4/28/21 0:01	4/28/21 23:01	5,011,912	0.09	0.28	0.10	0.02	0	0	0.12	0	0	0	0	0.10	0	0	0	0	0	0	0	0	0.02	0.6	0.6	0.8
2021_19_Q2	4/28/21 23:01	5/3/21 0:01	21,894,557	0.35	1.15	0.37	0.09	0	0	0.50	0	0	0	0	0.41	0	0	0	0	0.05	0	0	0	0.09	2.5	2.6	3.5
2021_20_Q2	5/3/21 0:01	5/3/21 23:01	5,122,772	0.07	0.25	0.07	0.02	0	0	0.11	0	0	0	0	0.09	0	0	0	0	0.02	0	0	0	0.02	0.5	0.6	0.8
2021_21_Q2	5/3/21 23:01	5/6/21 23:01	12,568,517	0.18	0.67	0.19	0.04	0	0	0.36	0	0	0	0	0.24	0	0	0	0	0.05	0	0	0	0.06	1.4	1.5	2.1
2021_22_Q2	5/6/21 23:01	5/10/21 0:01	21,343,568	0.28	0.95	0.29	0.06	0	0	0.65	0	0	0	0	0.36	0	0	0	0	0.07	0	0	0	0.12	2.2	2.4	3.2
2021_23_Q2	5/10/21 0:01	5/10/21 23:01	7,888,422	0.09	0.25	0.08	0.02	0	0	0.21	0	0	0	0	0.11	0	0	0	0	0.02	0	0	0	0.05	0.6	0.7	1.0
2021_24_Q2	5/10/21 23:01	5/12/21 0:01	7,988,324	0.09	0.29	0.08	0.02	0	0	0.20	0	0	0	0	0.12	0	0	0	0	0.03	0	0	0	0.05	0.7	0.7	1.0
2021_25_Q2	5/12/21 0:01	5/12/21 23:01	5,563,666	0.07	0.22	0.06	0.02	0	0	0.13	0	0	0	0	0.09	0	0	0	0	0.02	0	0	0	0.03	0.5	0.5	0.7
2021_26_Q2	5/12/21 23:01	5/17/21 0:01	22,401,202	0.28	0.86	0.29	0.08	0	0	0.68	0	0	0	0	0.40	0	0	0	0	0.07	0	0	0	0.14	2.2	2.3	3.1
2021_27_Q2	5/17/21 0:01	5/17/21 23:01	4,025,636	0.05	0.15	0.06	0.02	0	0	0.15	0	0	0	0	0.08	0	0	0	0	0.01	0	0	0	0.03	0.4	0.4	0.6
2021_28_Q2	5/17/21 23:01	5/20/21 0:01	7,962,584	0.14	0.33	0.13	0.03	0	0	0.29	0	0	0	0	0.16	0	0	0	0	0.02	0	0	0	0.05	0.9	1.0	1.2
2021_29_Q2	5/20/21 0:01	5/20/21 23:01	3,378,313	0.07	0.15	0.06	0.01	0	0	0.12	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.02	0.4	0.4	0.6
2021_30_Q2	5/20/21 23:01	5/24/21 0:01	9,420,080	0.20	0.52	0.20	0.04	0	0	0.33	0	0	0	0	0.20	0	0	0	0	0.03	0	0	0	0.05	1.3	1.3	1.7
2021_31_Q2	5/24/21 0:01	5/24/21 23:01	2,681,039	0.06	0.18	0.07	0.02	0	0	0.09	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.02	0.4	0.4	0.5
2021_32_Q2	5/24/21 23:01	5/26/21 11:25	4,522,087	0.09	0.20	0.09	0.02	0	0	0.15	0	0	0	0	0.05	0	0	0	0	0.01	0	0	0	0.02	0.5	0.6	0.7
2021_33_Q2	5/26/21 11:25	5/26/21 14:18	345,834	0.01	0.01	0.01	0.00	0	0	0.01	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2021_34_Q2	5/26/21 14:18	5/27/21 0:01	1,223,288	0.03	0.07	0.03	0.01	0	0	0.04	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.2	0.2
2021_35_Q2	5/27/21 0:01	5/27/21 13:18	1,679,472	0.03	0.10	0.04	0.01	0	0	0.07	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.01	0.3	0.3	0.3
2021_36_Q2	5/27/21 13:18	5/27/21 23:01	1,215,897	0.02	0.08	0.03	0.01	0	0	0.06	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.2
2021_37_Q2	5/27/21 23:01	6/2/21 0:01	14,589,491	0.28	0.82	0.30	0.06	0	0	0.63	0	0	0	0	0.28	0	0	0	0	0.06	0	0	0	0.09	2.1	2.2	2.7
2021_38_Q2	6/2/21 0:01	6/3/21 0:01	3,174,432	0.06	0.16	0.06	0.01	0	0	0.12	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.02	0.4	0.4	0.5

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_39_Q2	6/3/21 0:01	6/3/21 23:01	3,883,939	0.36	0.30	0.15	0.04	0	0.01	0.20	0	0	0	0	0.19	0	0	0	0	0.04	0	0	0	0.02	1.1	1.1	1.5
2021_40_Q2	6/3/21 23:01	6/7/21 0:01	23,824,549	1.23	1.22	0.62	0.18	0	0.04	0.93	0	0	0	1	0.76	0	0	0	0	0.12	0	0	0	0.15	4.4	4.5	5.9
2021_41_Q2	6/7/21 0:01	6/7/21 23:01	7,766,348	0.09	0.20	0.11	0.03	0	0	0.20	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.05	0.6	0.7	0.9
2021_42_Q2	6/7/21 23:01	6/12/21 0:01	25,267,009	0.59	1.07	0.56	0.16	0	0	0.77	0	0	0	0	0.49	0	0	0	0	0.08	0	0	0	0.17	3.2	3.4	4.4
2021_43_Q2	6/12/21 0:01	6/12/21 23:01	8,880,305	0.32	0.52	0.27	0.08	0	0	0.31	0	0	0	0	0.22	0	0	0	0	0.06	0	0	0	0.06	1.6	1.6	2.1
2021_44_Q2	6/12/21 23:01	6/15/21 0:01	29,707,544	0.64	1.13	0.57	0.16	0	0	0.88	0	0	0	0	0.46	0	0	0	0	0.10	0	0	0	0.18	3.5	3.5	4.4
2021_45_Q2	6/15/21 0:01	6/15/21 15:35	6,612,380	0.05	0.11	0.06	0.01	0	0	0.16	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.4
2021_46_Q2	6/15/21 15:35	6/15/21 23:01	3,621,442	0.02	0.06	0.03	0.01	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_47_Q2	6/15/21 23:01	6/16/21 14:35	7,354,253	0.05	0.11	0.07	0.02	0	0	0.15	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.4
2021_48_Q2	6/16/21 14:35	6/17/21 0:01	3,899,485	0.03	0.05	0.03	0.01	0	0	0.09	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2021_49_Q2	6/17/21 0:01	6/17/21 23:01	9,285,009	0.08	0.11	0.07	0.02	0	0	0.24	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.04	0.5	0.5	0.6
2021_50_Q2	6/17/21 23:01	6/22/21 0:01	20,440,884	0.21	0.30	0.20	0.05	0	0	0.60	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.10	1.4	1.4	1.4
2021_51_Q2	6/22/21 0:01	6/22/21 23:01	6,539,747	0.08	0.11	0.08	0.02	0	0	0.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.5	0.5	0.5
2021_52_Q2	6/22/21 23:01	6/24/21 0:01	7,308,125	0.08	0.16	0.08	0.02	0	0	0.23	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.04	0.6	0.6	0.7
2021_53_Q2	6/24/21 0:01	6/24/21 23:01	6,478,583	0.06	0.17	0.06	0.02	0	0	0.19	0	0	0	0	0.08	0	0	0	0	0.03	0	0	0	0.04	0.5	0.6	0.8
2021_54_Q2	6/24/21 23:01	7/1/21 0:01	*30,925,989*	0.34	0.79	0.37	0.10	0	0	0.88	0	0	0	0	0.28	0	0	0	0	0.06	0	0	0	0.16	2.5	2.7	3.3
2021_1_Q3	7/1/21 0:01	7/1/21 23:01	3,680,312	0.04	0.09	0.05	0.01	0	0	0.10	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_2_Q3	7/1/21 23:01	7/2/21 0:01	159,537	0.00	0.00	0.00	0.00	0	0	0.00	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0
2021_3_Q3	7/2/21 0:01	7/2/21 23:01	3,534,027	0.05	0.10	0.06	0.02	0	0	0.08	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.3	0.3	0.3
2021_4_Q3	7/2/21 23:01	7/7/21 0:01	20,942,687	0.27	0.57	0.36	0.09	0	0	0.46	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.09	1.7	1.8	2.0
2021_5_Q3	7/7/21 0:01	7/8/21 0:01	4,029,204	0.04	0.12	0.05	0.01	0	0	0.06	0	0	0	0	0.05	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.5
2021_6_Q3	7/8/21 0:01	7/8/21 23:01	5,141,631	0.09	0.15	0.09	0.02	0	0	0.19	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.02	0.5	0.6	0.6
2021_7_Q3	7/8/21 23:01	7/12/21 0:01	73,353,432	0.84	1.32	0.84	0.17	0	0	2.05	0	0	0	0	0.44	0	0	0	0	0	0	0	0	0.36	5.2	5.4	5.9
2021_8_Q3	7/12/21 0:01	7/12/21 23:01	18,931,398	0.09	0.10	0.09	0	0	0	0.49	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.10	0.8	0.8	1.0
2021_9_Q3	7/12/21 23:01	7/15/21 0:01	28,718,974	0.17	0.26	0.16	0.03	0	0	0.73	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0.18	1.4	1.4	1.5
2021_10_Q3	7/15/21 0:01	7/15/21 23:01	7,335,649	0.05	0.08	0.05	0.02	0	0	0.23	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2021_11_Q3	7/15/21 23:01	7/19/21 0:01	15,634,637	0.15	0.18	0.14	0.04	0	0	0.41	0	0	0	0	0.14	0	0	0	0	0.02	0	0	0	0.09	0.9	1.0	1.2
2021_12_Q3	7/19/21 0:01	7/19/21 23:01	4,792,485	0.06	0.06	0.06	0.02	0	0	0.11	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.03	0.3	0.3	0.4
2021_13_Q3	7/19/21 23:01	7/22/21 0:01	30,027,382	0.35	0.30	0.33	0.08	0	0	0.62	0	0	0	0	0.30	0	0	0	0	0.10	0	0	0	0.15	1.7	1.7	2.5
2021_14_Q3	7/22/21 0:01	7/22/21 23:01	18,125,047	0.20	0.15	0.18	0.04	0	0	0.34	0	0	0	0	0.13	0	0	0	0	0.06	0	0	0	0.07	0.9	0.9	1.3
2021_15_Q3	7/22/21 23:01	7/26/21 0:01	33,961,782	0.39	0.33	0.36	0.09	0	0	0.80	0	0	0	0	0.16	0	0	0	0	0.06	0	0	0	0.16	2.0	2.0	2.4
2021_16_Q3	7/26/21 0:01	7/26/21 23:01	4,158,414	0.05	0.05	0.05	0.01	0	0	0.12	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_17_Q3	7/26/21 23:01	7/28/21 8:50	10,535,566	0.09	0.08	0.09	0.02	0	0	0.30	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.05	0.6	0.6	0.6
2021_18_Q3	7/28/21 8:50	7/28/21 17:45	3,259,043	0.03	0.03	0.03	0.01	0	0	0.10	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_19_Q3	7/28/21 17:45	7/29/21 0:01	1,919,033	0.02	0.02	0.02	0.00	0	0	0.06	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_20_Q3	7/29/21 0:01	7/29/21 16:45	4,560,570	0.04	0.04	0.04	0.01	0	0	0.13	0	0	0	0	0.02	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.3
2021_21_Q3	7/29/21 16:45	7/29/21 23:01	1,537,775	0.01	0.01	0.01	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.01	0.1	0.1	0.1
2021_22_Q3	7/29/21 23:01	8/2/21 0:01	13,721,466	0.17	0.24	0.18	0.03	0	0	0.43	0	0	0	0	0.12	0	0	0	0	0.05	0	0	0	0.06	1.1	1.1	1.5
2021_23_Q3	8/2/21 0:01	8/2/21 23:01	3,584,998	0.06	0.10	0.06	0.01	0	0	0.13	0	0	0	0	0.05	0	0	0	0	0.02	0	0	0	0.01	0.4	0.4	0.5
2021_24_Q3	8/2/21 23:01	8/5/21 0:01	7,496,715	0.13	0.22	0.16	0.04	0	0	0.28	0	0	0	0	0.13	0	0	0	0	0.05	0	0	0	0.03	0.8	0.9	1.2
2021_25_Q3	8/5/21 0:01	8/5/21 23:01	3,293,702	0.07	0.11	0.08	0.02	0	0	0.13	0	0	0	0	0.07	0	0	0	0	0.02	0	0	0	0.01	0.4	0.4	0.6
2021_26_Q3	8/5/21 23:01	8/12/21 0:01	22,986,087	0.40	0.54	0.48	0.11	0	0	0.93	0	0	0	0	0.28	0	0	0	0	0.11	0	0	0	0.09	2.5	2.7	3.5
2021_27_Q3	8/12/21 0:01	8/12/21 23:01	3,745,554	0.05	0.06	0.06	0.01	0	0	0.15	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.02	0.3	0.4	0.4
2021_28_Q3	8/12/21 23:01	8/13/21 23:01	3,737,654	0.05	0.05	0.06	0.01	0	0	0.13	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.3	0.3	0.4

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_29_Q3	8/13/21 23:01	8/16/21 0:01	6,453,353	0.09	0.12	0.10	0.02	0	0	0.17	0	0	0	0	0.05	0	0	0	0	0.01	0	0	0	0.02	0.5	0.5	0.7
2021_30_Q3	8/16/21 0:01	8/16/21 23:01	2,767,943	0.04	0.07	0.04	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.2	0.3
2021_31_Q3	8/16/21 23:01	8/19/21 0:01	8,403,477	0.11	0.21	0.13	0.03	0	0	0.15	0	0	0	0	0.13	0	0	0	0	0.02	0	0	0	0.03	0.6	0.7	0.9
2021_32_Q3	8/19/21 0:01	8/19/21 8:30	1,975,100	0.03	0.05	0.03	0.01	0	0	0.04	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.01	0.1	0.2	0.2
2021_33_Q3	8/19/21 8:30	8/19/21 23:01	3,968,804	0.05	0.09	0.06	0.01	0	0	0.07	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.01	0.3	0.3	0.4
2021_34_Q3	8/19/21 23:01	8/20/21 7:30	2,691,233	0.03	0.06	0.04	0.01	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_35_Q3	8/20/21 7:30	8/23/21 0:01	27,326,210	0.25	0.38	0.29	0.04	0	0	0.45	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.12	1.4	1.5	1.5
2021_36_Q3	8/23/21 0:01	8/23/21 23:01	8,088,226	0.04	0.05	0.06	0	0	0	0.15	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.4
2021_37_Q3	8/23/21 23:01	8/26/21 0:01	14,924,621	0.09	0.10	0.12	0	0	0	0.31	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.08	0.6	0.7	0.8
2021_38_Q3	8/26/21 0:01	8/26/21 23:01	6,297,893	0.04	0.05	0.06	0	0	0	0.15	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.4
2021_39_Q3	8/26/21 23:01	8/29/21 0:01	9,197,340	0.08	0.06	0.10	0.01	0	0	0.17	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2021_40_Q3	8/29/21 0:01	8/29/21 23:01	3,058,729	0.03	0.02	0.04	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_41_Q3	8/29/21 23:01	9/2/21 0:01	8,258,976	0.11	0.05	0.12	0.03	0	0	0.09	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.04	0.4	0.4	0.5
2021_42_Q3	9/2/21 0:01	9/2/21 23:01	2,419,052	0.04	0.02	0.04	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_43_Q3	9/2/21 23:01	9/6/21 0:01	7,682,502	0.12	0.09	0.14	0.03	0	0	0.10	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.5	0.5	0.6
2021_44_Q3	9/6/21 0:01	9/6/21 23:01	2,363,035	0.04	0.04	0.05	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_45_Q3	9/6/21 23:01	9/9/21 0:01	4,947,689	0.08	0.08	0.10	0.02	0	0	0.07	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.02	0.3	0.4	0.4
2021_46_Q3	9/9/21 0:01	9/9/21 23:01	2,523,337	0.04	0.04	0.05	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_47_Q3	9/9/21 23:01	9/13/21 0:01	10,867,638	0.14	0.22	0.17	0.04	0	0	0.16	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.05	0.7	0.8	1.0
2021_48_Q3	9/13/21 0:01	9/13/21 23:01	3,151,495	0.03	0.08	0.04	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.02	0.2	0.2	0.3
2021_49_Q3	9/13/21 23:01	9/14/21 21:36	2,629,049	0.03	0.08	0.04	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.2	0.3
2021_50_Q3	9/14/21 21:36	9/15/21 20:36	2,525,834	0.03	0.09	0.05	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.3	0.3
2021_51_Q3	9/15/21 20:36	9/16/21 0:01	352,460	0.00	0.01	0.01	0.00	0	0	0.01	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2021_52_Q3	9/16/21 0:01	9/16/21 23:01	2,355,594	0.03	0.10	0.04	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.3	0.3
2021_53_Q3	9/16/21 23:01	9/20/21 0:01	7,542,487	0.10	0.28	0.13	0.03	0	0	0.13	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.05	0.7	0.7	0.9
2021_54_Q3	9/20/21 0:01	9/20/21 23:01	2,421,855	0.03	0.08	0.04	0.01	0	0	0.04	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2021_55_Q3	9/20/21 23:01	9/21/21 23:01	2,432,865	0.03	0.08	0.04	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2021_56_Q3	9/21/21 23:01	9/27/21 0:01	65,688,158	0.68	1.77	0.76	0.12	0	0	0.95	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0.21	4.3	4.4	5.2
2021_57_Q3	9/27/21 0:01	9/27/21 23:01	5,200,247	0.03	0.11	0.04	0	0	0	0.07	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0.2	0.2	0.3
2021_58_Q3	9/27/21 23:01	9/30/21 0:01	6,652,137	0.07	0.20	0.07	0.01	0	0	0.10	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.01	0.5	0.5	0.6
2021_59_Q3	9/30/21 0:01	9/30/21 23:01	2,372,108	0.03	0.09	0.04	0.01	0	0	0.04	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.3
2021_1_Q4	9/30/21 23:01	10/4/21 0:01	*6,559,524*	0.09	0.23	0.10	0.02	0	0	0.11	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.02	0.6	0.6	0.7
2021_2_Q4	10/4/21 0:01	10/4/21 23:01	1,951,068	0.03	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_3_Q4	10/4/21 23:01	10/7/21 0:01	5,166,989	0.07	0.16	0.08	0.02	0	0	0.08	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.02	0.4	0.4	0.5
2021_4_Q4	10/7/21 0:01	10/7/21 23:01	2,410,132	0.03	0.07	0.04	0.01	0	0	0.03	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.01	0.2	0.2	0.3
2021_5_Q4	10/7/21 23:01	10/11/21 0:01	15,381,009	0.14	0.31	0.16	0.03	0	0	0.11	0	0	0	0	0.12	0	0	0	0	0.02	0	0	0	0.07	0.7	0.8	1.1
2021_6_Q4	10/11/21 0:01	10/11/21 23:01	17,019,756	0.06	0.17	0.08	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.09	0.3	0.4	0.5
2021_7_Q4	10/11/21 23:01	10/15/21 0:01	19,881,739	0.11	0.30	0.14	0.02	0	0	0.10	0	0	0	0	0.10	0	0	0	0	0	0	0	0	0.08	0.7	0.7	0.9
2021_8_Q4	10/15/21 0:01	10/15/21 23:01	2,886,959	0.02	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_9_Q4	10/15/21 23:01	10/18/21 0:01	5,304,227	0.05	0.11	0.06	0.02	0	0	0.08	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.3	0.3	0.4
2021_10_Q4	10/18/21 0:01	10/18/21 23:01	2,237,801	0.03	0.05	0.03	0.01	0	0	0.04	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_11_Q4	10/18/21 23:01	10/20/21 11:50	3,495,035	0.04	0.09	0.06	0.01	0	0	0.06	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.3	0.3	0.3
2021_12_Q4	10/20/21 11:50	10/20/21 16:24	395,020	0.01	0.01	0.01	0.00	0	0	0.01	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2021_13_Q4	10/20/21 16:24	10/21/21 0:01	688,864	0.01	0.02	0.01	0.00	0	0	0.01	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_14_Q4	10/21/21 0:01	10/21/21 15:24	1,417,357	0.02	0.04	0.02	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.2
2021_15_Q4	10/21/21 15:24	10/21/21 23:01	659,072	0.01	0.02	0.01	0.00	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1
2021_16_Q4	10/21/21 23:01	10/25/21 0:01	6,679,686	0.09	0.17	0.11	0.03	0	0	0.16	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.02	0.6	0.6	0.7
2021_17_Q4	10/25/21 0:01	10/25/21 23:01	2,121,181	0.03	0.04	0.03	0.01	0	0	0.06	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_18_Q4	10/25/21 23:01	10/28/21 0:01	4,651,017	0.06	0.10	0.06	0.02	0	0	0.11	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.4
2021_19_Q4	10/28/21 0:01	10/28/21 23:01	2,164,735	0.03	0.05	0.02	0.01	0	0	0.05	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_20_Q4	10/28/21 23:01	11/1/21 0:01	8,909,001	0.11	0.19	0.11	0.03	0	0	0.20	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0.04	0.6	0.7	0.8
2021_21_Q4	11/1/21 0:01	11/1/21 23:01	2,725,383	0.04	0.05	0.04	0.01	0	0	0.06	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_22_Q4	11/1/21 23:01	11/4/21 0:01	5,647,002	0.07	0.12	0.08	0.02	0	0	0.12	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2021_23_Q4	11/4/21 0:01	11/4/21 23:01	2,375,982	0.03	0.05	0.03	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_24_Q4	11/4/21 23:01	11/8/21 0:01	7,357,821	0.10	0.16	0.11	0.03	0	0	0.16	0	0	0	0	0.07	0	0	0	0	0.01	0	0	0	0.04	0.5	0.6	0.7
2021_25_Q4	11/8/21 0:01	11/8/21 23:01	2,222,612	0.03	0.05	0.03	0.01	0	0	0.05	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.2
2021_26_Q4	11/8/21 23:01	11/10/21 10:50	3,396,841	0.05	0.07	0.05	0.01	0	0	0.08	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.3
2021_27_Q4	11/10/21 10:50	11/10/21 16:36	516,610	0.01	0.01	0.01	0.00	0	0	0.01	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0
2021_28_Q4	11/10/21 16:36	11/11/21 0:01	674,975	0.01	0.01	0.01	0.00	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.00	0.1	0.1	0.1
2021_29_Q4	11/11/21 0:01	11/11/21 15:36	1,456,655	0.02	0.03	0.02	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2021_30_Q4	11/11/21 15:36	11/11/21 23:01	754,182	0.01	0.01	0.01	0.00	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.00	0.1	0.1	0.1
2021_31_Q4	11/11/21 23:01	11/15/21 0:01	7,993,905	0.10	0.16	0.11	0.03	0	0	0.19	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.04	0.6	0.6	0.8
2021_32_Q4	11/15/21 0:01	11/15/21 23:01	2,508,759	0.03	0.05	0.04	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_33_Q4	11/15/21 23:01	11/18/21 0:01	4,983,063	0.08	0.10	0.08	0.02	0	0	0.12	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.6
2021_34_Q4	11/18/21 0:01	11/18/21 23:01	2,220,548	0.04	0.05	0.04	0.01	0	0	0.06	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2021_35_Q4	11/18/21 23:01	11/22/21 0:01	7,117,674	0.12	0.13	0.12	0.03	0	0	0.16	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.04	0.6	0.6	0.7
2021_36_Q4	11/22/21 0:01	11/22/21 23:01	2,229,646	0.03	0.03	0.03	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2021_37_Q4	11/22/21 23:01	11/25/21 0:01	5,630,284	0.07	0.08	0.08	0.02	0	0	0.09	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.3	0.4	0.4
2021_38_Q4	11/25/21 0:01	11/25/21 23:01	2,670,845	0.03	0.04	0.04	0.01	0	0	0.04	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_39_Q4	11/25/21 23:01	11/29/21 0:01	8,163,662	0.10	0.12	0.11	0.03	0	0	0.11	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.04	0.5	0.5	0.6
2021_40_Q4	11/29/21 0:01	11/29/21 23:01	2,393,312	0.03	0.03	0.03	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_41_Q4	11/29/21 23:01	12/2/21 0:01	4,965,427	0.04	0.10	0.07	0.02	0	0	0.06	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2021_42_Q4	12/2/21 0:01	12/2/21 23:01	2,323,839	0.01	0.06	0.04	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2021_43_Q4	12/2/21 23:01	12/6/21 0:01	6,759,837	0.04	0.18	0.10	0.03	0	0	0.09	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2021_44_Q4	12/6/21 0:01	12/6/21 23:01	2,166,774	0.01	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2021_45_Q4	12/6/21 23:01	12/9/21 0:01	4,310,203	0.08	0.14	0.08	0.02	0	0	0.07	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.4
2021_46_Q4	12/9/21 0:01	12/9/21 23:01	3,880,677	0.12	0.14	0.09	0.03	0	0	0.08	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.02	0.5	0.5	0.5
2021_47_Q4	12/9/21 23:01	12/13/21 0:01	10,843,936	0.16	0.24	0.16	0.04	0	0	0.11	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.04	0.7	0.7	0.8
2021_48_Q4	12/13/21 0:01	12/13/21 23:01	3,010,307	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.0	0.1	0.1
2021_49_Q4	12/13/21 23:01	12/15/21 9:16	4,054,180	0.01	0.07	0.05	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.2	0.2
2021_50_Q4	12/15/21 9:16	12/16/21 0:01	1,535,226	0.01	0.05	0.02	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2021_51_Q4	12/16/21 0:01	12/16/21 8:16	829,797	0.00	0.03	0.01	0.00	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.1	0.1
2021_52_Q4	12/16/21 8:16	12/16/21 23:01	1,528,090	0.01	0.05	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2021_53_Q4	12/16/21 23:01	12/20/21 0:01	7,326,576	0.08	0.23	0.12	0.03	0	0	0.06	0	0	0	0	0.02	0	0	0	0	0.01	0	0	0	0.04	0.5	0.6	0.7
2021_54_Q4	12/20/21 0:01	12/20/21 23:01	2,870,802	0.04	0.09	0.05	0.01	0	0	0.05	0	0	0	0	0.02	0	0	0	0	0.01	0	0	0	0.01	0.2	0.3	0.3
2021_55_Q4	12/20/21 23:01	12/23/21 0:01	8,730,197	0.09	0.22	0.12	0.02	0	0	0.12	0	0	0	0	0.06	0	0	0	0	0.02	0	0	0	0.04	0.6	0.7	0.8
2021_56_Q4	12/23/21 0:01	12/23/21 23:01	5,142,651	0.04	0.09	0.05	0	0	0	0.06	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.02	0.2	0.3	0.4
2021_57_Q4	12/23/21 23:01	12/27/21 0:01	11,483,614	0.11	0.26	0.14	0.02	0	0	0.13	0	0	0	0	0.09	0	0	0	0	0.01	0	0	0	0.05	0.7	0.8	1.0
2021_58_Q4	12/27/21 0:01	12/27/21 23:01	2,756,730	0.03	0.08	0.04	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_59_Q4	12/27/21 23:01	12/30/21 0:01	5,396,993	0.06	0.15	0.08	0.02	0	0	0.07	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2021_60_Q4	12/30/21 0:01	12/30/21 23:01	2,364,768	0.03	0.07	0.03	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_1_Q1	12/30/21 23:01	1/2/22 0:01	*6,663,350*	0.07	0.15	0.08	0.02	0	0	0.10	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2022_2_Q1	1/2/22 0:01	1/2/22 23:01	4,747,631	0.04	0.08	0.05	0.01	0	0	0.07	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2022_3_Q1	1/2/22 23:01	1/3/22 23:01	8,548,998	0.18	0.24	0.17	0.05	0	0	0.18	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.03	0.8	0.8	1.0
2022_4_Q1	1/3/22 23:01	1/11/22 0:01	204,788,058	2.59	3.89	2.58	0.54	0	0	2.15	0	0	0	1	1.77	0	0	0	0	0	0	0	0	0.75	11.8	12.2	14.9
2022_5_Q1	1/11/22 0:01	1/11/22 23:01	12,376,614	0.05	0.12	0.06	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.3
2022_6_Q1	1/11/22 23:01	1/13/22 0:01	17,190,506	0.07	0.09	0.09	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.07	0.2	0.2	0.3
2022_7_Q1	1/13/22 0:01	1/13/22 23:01	14,486,276	0.05	0	0.07	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.06	0.1	0.1	0.2
2022_8_Q1	1/13/22 23:01	1/19/22 0:01	61,867,779	0.22	0.16	0.24	0	0	0	0	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.26	0.6	0.6	0.9
2022_9_Q1	1/19/22 0:01	1/19/22 23:01	17,235,105	0.06	0.09	0.06	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.07	0.2	0.2	0.3
2022_10_Q1	1/19/22 23:01	1/20/22 14:01	10,391,575	0.03	0.05	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.1	0.1	0.1
2022_11_Q1	1/20/22 14:01	1/25/22 0:01	80,800,706	0.29	0.21	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.8	0.8	0.9
2022_12_Q1	1/25/22 0:01	1/25/22 23:01	16,923,167	0.07	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.1	0.1	0.1
2022_13_Q1	1/25/22 23:01	1/26/22 12:54	9,641,037	0.04	0.03	0.04	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.04	0.1	0.1	0.1
2022_14_Q1	1/26/22 12:54	1/27/22 11:54	14,657,536	0.06	0.10	0.08	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.06	0.2	0.3	0.3
2022_15_Q1	1/27/22 11:54	1/28/22 0:01	6,759,429	0.03	0.05	0.03	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.03	0.1	0.2	0.2
2022_16_Q1	1/28/22 0:01	1/28/22 23:01	10,674,715	0.05	0.09	0.05	0	0	0	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.3
2022_17_Q1	1/28/22 23:01	1/31/22 0:01	14,213,075	0.08	0.15	0.09	0	0	0	0.16	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.06	0.5	0.5	0.5
2022_18_Q1	1/31/22 0:01	1/31/22 23:01	5,886,053	0.04	0.08	0.04	0	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.2	0.3	0.3
2022_19_Q1	1/31/22 23:01	2/3/22 0:01	11,973,184	0.09	0.19	0.11	0.02	0	0	0.17	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.05	0.6	0.6	0.7
2022_20_Q1	2/3/22 0:01	2/3/22 23:01	5,202,286	0.04	0.10	0.06	0.02	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2022_21_Q1	2/3/22 23:01	2/7/22 0:01	19,595,286	0.12	0.27	0.15	0.04	0	0	0.26	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.08	0.9	0.9	1.0
2022_22_Q1	2/7/22 0:01	2/7/22 23:01	9,708,063	0.04	0.09	0.05	0	0	0	0.11	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.05	0.3	0.3	0.4
2022_23_Q1	2/7/22 23:01	2/11/22 0:01	49,173,875	0.19	0.36	0.21	0	0	0	0.30	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.22	1.1	1.2	1.2
2022_24_Q1	2/11/22 0:01	2/11/22 23:01	12,978,828	0.05	0.07	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.2
2022_25_Q1	2/11/22 23:01	2/14/22 0:01	15,094,861	0.07	0.10	0.08	0	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.06	0.3	0.4	0.4
2022_26_Q1	2/14/22 0:01	2/14/22 23:01	5,535,377	0.03	0.04	0.04	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_27_Q1	2/14/22 23:01	2/18/22 0:01	15,776,844	0.04	0.06	0.10	0	0	0	0.09	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.3
2022_28_Q1	2/18/22 0:01	2/18/22 23:01	4,735,143	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
2022_29_Q1	2/18/22 23:01	2/26/22 0:01	33,417,928	0	0	0.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.2	0.2	0.2
2022_30_Q1	2/26/22 0:01	2/26/22 23:01	6,174,035	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.0	0.0	0.0
2022_31_Q1	2/26/22 23:01	2/27/22 23:01	9,199,889	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.0	0.0	0.0
2022_32_Q1	2/27/22 23:01	2/28/22 23:01	10,643,878	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022_33_Q1	2/28/22 23:01	3/3/22 0:01	24,555,718	0.04	0	0.05	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0.06	0	0	0	0.06	0.1	0.1	0.4
2022_34_Q1	3/3/22 0:01	3/3/22 23:01	10,699,436	0.03	0	0.04	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0.05	0	0	0	0.05	0.1	0.1	0.3
2022_35_Q1	3/3/22 23:01	3/7/22 0:01	16,598,996	0.08	0.09	0.10	0.02	0	0	0	0	0	0	0	0.04	0	0	0	0	0.08	0	0	0	0.08	0.3	0.4	0.7
2022_36_Q1	3/7/22 0:01	3/7/22 23:01	3,841,633	0.03	0.04	0.03	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0.02	0	0	0	0.02	0.1	0.1	0.2
2022_37_Q1	3/7/22 23:01	3/10/22 23:01	12,345,522	0.09	0.15	0.12	0.03	0	0	0.13	0	0	0	0	0.04	0	0	0	0	0.07	0	0	0	0.05	0.5	0.6	0.8
2022_38_Q1	3/10/22 23:01	3/17/22 12:30	205,183,587	0.93	1.23	1.23	0.24	0	0	1.03	0	0	0	1	0.36	0	1	0	0	0.53	0	0	0	0.81	4.7	5.4	7.3
2022_39_Q1	3/17/22 12:30	3/18/22 9:00	39,619,233	0.04	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0.1	0.1	0.1

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

Interval Details				Calculated Mass Load [2] (kg)																					
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2022_40_Q1	3/18/22 9:00	3/22/22 9:10	206,215,736	0.36	0.92	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.67	1.8	1.8	1.8
2022_41_Q1	3/22/22 9:10	3/23/22 8:10	23,996,574	0.08	0.21	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.4	0.4	0.4
2022_42_Q1	3/23/22 8:10	3/24/22 13:05	25,746,385	0.08	0.16	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.3	0.3	0.3
2022_43_Q1	3/24/22 13:05	3/29/22 0:01	101,425,847	0.27	0.32	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0.9	0.9	0.9
2022_44_Q1	3/29/22 0:01	3/29/22 23:01	18,757,589	0.04	0.06	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.2	0.2	0.2
2022_45_Q1	3/29/22 23:01	3/31/22 0:01	14,136,874	0.04	0.05	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.1	0.1	0.1
2022_46_Q1	3/31/22 0:01	3/31/22 23:01	11,889,083	0.03	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.1	0.1	0.1
	3/31/22 23:01	4/1/22 0:00	736,309																						0.0	0.0	0.0
2022_1_Q2	3/31/22 23:01	4/4/22 0:01	*54,661,595*	0.15	0.10	0.19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.4	0.4	0.4
	4/1/22 0:00	4/4/22 0:01	53,925,286																						0.4	0.4	0.4
2022_2_Q2	4/4/22 0:01	4/4/22 23:01	15,899,173	0.04	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.1	0.1	0.1
2022_3_Q2	4/4/22 23:01	4/7/22 0:01	26,113,881	0.08	0.11	0.11	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0.08	0.3	0.3	0.5
2022_4_Q2	4/7/22 0:01	4/7/22 23:01	15,992,194	0.06	0.14	0.09	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0.06	0.3	0.3	0.5
2022_5_Q2	4/7/22 23:01	4/11/22 0:01	44,026,891	0.19	0.41	0.24	0	0	0	0.24	0	0	0	0	0.34	0	0	0	0	0	0	0	0	0.13	1.1	1.1	1.5
2022_6_Q2	4/11/22 0:01	4/11/22 23:01	7,753,096	0.04	0.08	0.05	0	0	0	0.08	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.2	0.3	0.3
2022_7_Q2	4/11/22 23:01	4/15/22 0:01	22,813,807	0.12	0.11	0.14	0	0	0	0.13	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.5	0.5	0.6
2022_8_Q2	4/15/22 0:01	4/15/22 23:01	4,711,952	0.02	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_9_Q2	4/15/22 23:01	4/19/22 17:05	16,481,509	0.11	0.07	0.12	0.02	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.05	0.3	0.4	0.4
2022_10_Q2	4/19/22 17:05	4/19/22 17:33	131,503	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2022_11_Q2	4/19/22 17:33	4/20/22 16:33	23,706,807	0.10	0.45	0.22	0.07	0	0	0	0	0	0	1	0.24	0	0	0	0	0.12	0	0	0	0.08	0.8	1.1	2.0
2022_12_Q2	4/20/22 16:33	4/21/22 0:01	12,666,125	0.03	0.12	0.06	0.02	0	0	0	0	0	0	0	0.06	0	0	0	0	0.03	0	0	0	0.04	0.2	0.3	0.5
2022_13_Q2	4/21/22 0:01	4/21/22 23:01	34,746,470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0	0	0
2022_14_Q2	4/21/22 23:01	4/22/22 0:01	1,378,747	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.0	0.0	0.0
2022_15_Q2	4/22/22 0:01	4/22/22 23:01	22,915,238	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.0	0.0	0.0
2022_16_Q2	4/22/22 23:01	4/25/22 0:01	17,344,946	0.05	0	0.07	0	0	0	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.2	0.3	0.3
2022_17_Q2	4/25/22 0:01	4/25/22 23:01	5,297,855	0.03	0	0.03	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2022_18_Q2	4/25/22 23:01	4/28/22 0:01	12,402,864	0.06	0.09	0.08	0	0	0	0.07	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.05	0.3	0.3	0.4
2022_19_Q2	4/28/22 0:01	4/28/22 23:01	6,236,474	0.03	0.09	0.04	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_20_Q2	4/28/22 23:01	5/2/22 0:01	12,666,380	0.08	0.22	0.09	0.01	0	0	0.07	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.04	0.5	0.5	0.6
2022_21_Q2	5/2/22 0:01	5/2/22 23:01	3,566,394	0.03	0.07	0.03	0.01	0	0	0.04	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_22_Q2	5/2/22 23:01	5/5/22 0:01	8,605,575	0.07	0.15	0.08	0.02	0	0	0.05	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.4	0.4	0.5
2022_23_Q2	5/5/22 0:01	5/5/22 23:01	3,891,839	0.03	0.06	0.04	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2022_24_Q2	5/5/22 23:01	5/9/22 0:01	12,039,445	0.09	0.18	0.13	0.03	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.05	0.4	0.5	0.6
2022_25_Q2	5/9/22 0:01	5/9/22 23:01	5,303,972	0.03	0.08	0.05	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_26_Q2	5/9/22 23:01	5/13/22 0:01	19,443,904	0.12	0.28	0.17	0.04	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.07	0.6	0.7	0.8
2022_27_Q2	5/13/22 0:01	5/13/22 23:01	4,416,833	0.03	0.06	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2022_28_Q2	5/13/22 23:01	5/16/22 0:01	9,041,626	0.06	0.13	0.07	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.3
2022_29_Q2	5/16/22 0:01	5/16/22 23:01	4,886,780	0.03	0.07	0.03	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.2	0.2
2022_30_Q2	5/16/22 23:01	5/19/22 0:01	8,779,383	0.05	0.13	0.06	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.04	0.2	0.3	0.4
2022_31_Q2	5/19/22 0:01	5/19/22 23:01	3,594,937	0.02	0.05	0.02	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.2
2022_32_Q2	5/19/22 23:01	5/23/22 0:01	8,895,596	0.06	0.16	0.07	0.01	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.3	0.4	0.5
2022_33_Q2	5/23/22 0:01	5/23/22 23:01	2,544,693	0.02	0.06	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_34_Q2	5/23/22 23:01	5/26/22 0:01	9,485,832	0.06	0.15	0.07	0.01	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.3	0.3	0.4

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2022_35_Q2	5/26/22 0:01	5/26/22 23:01	7,610,634	0.02	0.07	0.03	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.04	0.1	0.2	0.2
2022_36_Q2	5/26/22 23:01	5/30/22 0:01	65,272,087	0.10	0.28	0.13	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.33	0.5	0.7	0.8
2022_37_Q2	5/30/22 0:01	5/30/22 23:01	21,136,119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0	0	0
2022_38_Q2	5/30/22 23:01	6/2/22 0:01	32,553,217	0.06	0.14	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0.3	0.3	0.3
2022_39_Q2	6/2/22 0:01	6/2/22 23:01	4,337,065	0.02	0.04	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2022_40_Q2	6/2/22 23:01	6/6/22 0:01	8,446,751	0.05	0.12	0.06	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.04	0.2	0.3	0.3
2022_41_Q2	6/6/22 0:01	6/6/22 23:01	2,254,519	0.02	0.05	0.03	0.01	0	0	0.01	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_42_Q2	6/6/22 23:01	6/9/22 0:01	4,585,265	0.05	0.10	0.05	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_43_Q2	6/9/22 0:01	6/9/22 23:01	2,373,866	0.03	0.05	0.03	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_44_Q2	6/9/22 23:01	6/13/22 0:01	9,656,277	0.09	0.20	0.11	0.03	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.04	0.4	0.5	0.5
2022_45_Q2	6/13/22 0:01	6/13/22 23:01	3,004,446	0.03	0.06	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2022_46_Q2	6/13/22 23:01	6/16/22 0:01	6,218,125	0.05	0.13	0.06	0.02	0	0	0	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.4
2022_47_Q2	6/16/22 0:01	6/16/22 23:01	2,469,767	0.02	0.05	0.02	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.01	0.1	0.1	0.1
2022_48_Q2	6/16/22 23:01	6/20/22 0:01	7,629,034	0.07	0.16	0.09	0.02	0	0	0	0	0	0	0	0.03	0	0	0	0	0.01	0	0	0	0.03	0.3	0.4	0.4
2022_49_Q2	6/20/22 0:01	6/20/22 23:01	2,367,877	0.02	0.05	0.03	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_50_Q2	6/20/22 23:01	6/23/22 0:01	5,095,350	0.05	0.10	0.06	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_51_Q2	6/23/22 0:01	6/23/22 23:01	2,160,403	0.02	0.04	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_52_Q2	6/23/22 23:01	6/27/22 0:01	6,296,797	0.06	0.13	0.08	0.02	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2022_53_Q2	6/27/22 0:01	6/27/22 23:01	1,982,057	0.02	0.05	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_54_Q2	6/27/22 23:01	6/30/22 0:01	4,601,728	0.05	0.11	0.06	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.02	0.2	0.3	0.3
2022_55_Q2	6/30/22 0:01	7/1/22 0:00	2,611,872	0.03	0.06	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2022_1_Q3	6/30/22 23:01	7/4/22 0:01	7,407,848	0.04	0.09	0.05	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.3
2022_2_Q3	7/4/22 0:01	7/4/22 23:01	2,578,334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022_3_Q3	7/4/22 23:01	7/8/22 0:01	7,948,057	0	0.03	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2022_4_Q3	7/8/22 0:01	7/8/22 23:01	4,544,004	0	0.04	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2022_5_Q3	7/8/22 23:01	7/9/22 0:01	323,152	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0
2022_6_Q3	7/9/22 0:01	7/9/22 23:01	7,553,292	0.11	0.09	0.07	0.02	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.5
2022_7_Q3	7/9/22 23:01	7/11/22 0:01	9,320,943	0.09	0.12	0.08	0.01	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.04	0.3	0.4	0.5
2022_8_Q3	7/11/22 0:01	7/11/22 23:01	8,068,093	0.05	0.11	0.05	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.03	0.2	0.3	0.3
2022_9_Q3	7/11/22 23:01	7/14/22 0:01	8,919,042	0.06	0.14	0.07	0.01	0	0	0.05	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.04	0.3	0.4	0.5
2022_10_Q3	7/14/22 0:01	7/14/22 23:01	3,429,538	0.02	0.06	0.03	0.01	0	0	0.04	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_11_Q3	7/14/22 23:01	7/18/22 0:01	18,230,301	0.13	0.28	0.18	0.04	0	0	0.21	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0.07	0.8	1.0	1.2
2022_12_Q3	7/18/22 0:01	7/18/22 23:01	5,316,205	0.04	0.08	0.06	0.01	0	0	0.06	0	0	0	0	0.06	0	0	0	0	0.01	0	0	0	0.02	0.2	0.3	0.4
2022_13_Q3	7/18/22 23:01	7/20/22 15:35	7,145,785	0.05	0.11	0.07	0.02	0	0	0.08	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.03	0.3	0.4	0.4
2022_14_Q3	7/20/22 15:35	7/21/22 0:01	1,180,728	0.01	0.02	0.01	0.00	0	0	0.01	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.00	0.1	0.1	0.1
2022_15_Q3	7/21/22 0:01	7/21/22 23:01	2,782,725	0.03	0.03	0.03	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_16_Q3	7/21/22 23:01	7/25/22 0:01	7,666,956	0.09	0.13	0.08	0.02	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.3
2022_17_Q3	7/25/22 0:01	7/25/22 23:01	2,141,595	0.02	0.05	0.02	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_18_Q3	7/25/22 23:01	7/28/22 0:01	6,003,820	0.05	0.10	0.06	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.3
2022_19_Q3	7/28/22 0:01	7/28/22 23:01	2,199,573	0.02	0.02	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_20_Q3	7/28/22 23:01	8/1/22 0:01	6,426,797	0.06	0.10	0.08	0.02	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.3
2022_21_Q3	8/1/22 0:01	8/1/22 23:01	2,122,302	0.02	0.04	0.03	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2022_22_Q3	8/1/22 23:01	8/4/22 0:01	4,541,150	0.04	0.07	0.06	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_23_Q3	8/4/22 0:01	8/4/22 23:01	7,119,178	0.05	0.08	0.07	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.2
2022_24_Q3	8/4/22 23:01	8/10/22 0:01	10,686,234	0.09	0.19	0.11	0.03	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2022_25_Q3	8/10/22 0:01	8/10/22 23:01	1,922,193	0.02	0.04	0.02	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_26_Q3	8/10/22 23:01	8/12/22 0:01	2,268,969	0.02	0.04	0.02	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_27_Q3	8/12/22 0:01	8/12/22 23:01	1,850,350	0.02	0.03	0.02	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_28_Q3	8/12/22 23:01	8/15/22 0:01	6,399,477	0.05	0.09	0.06	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.3
2022_29_Q3	8/15/22 0:01	8/15/22 23:01	2,614,013	0.02	0.04	0.02	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.03	0.1	0.1	0.1
2022_30_Q3	8/15/22 23:01	8/18/22 0:01	7,349,921	0.05	0.10	0.06	0.01	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.3
2022_31_Q3	8/18/22 0:01	8/18/22 23:01	2,728,951	0.02	0.03	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_32_Q3	8/18/22 23:01	8/22/22 0:01	8,423,560	0.05	0.10	0.07	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.2	0.3	0.3
2022_33_Q3	8/22/22 0:01	8/22/22 23:01	3,435,145	0.02	0.04	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2022_34_Q3	8/22/22 23:01	8/25/22 0:01	9,398,928	0.03	0.09	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.2
2022_35_Q3	8/25/22 0:01	8/25/22 23:01	4,136,242	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.0	0.0	0.0
2022_36_Q3	8/25/22 23:01	8/29/22 0:01	10,255,484	0.03	0.10	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.2	0.2	0.2
2022_37_Q3	8/29/22 0:01	8/29/22 23:01	2,477,922	0.01	0.03	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_38_Q3	8/29/22 23:01	9/1/22 0:01	4,517,118	0.03	0.10	0.04	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_39_Q3	9/1/22 0:01	9/1/22 23:01	2,103,036	0.02	0.07	0.02	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_40_Q3	9/1/22 23:01	9/5/22 0:01	6,454,984	0.06	0.19	0.07	0.01	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.04	0.3	0.4	0.4
2022_41_Q3	9/5/22 0:01	9/5/22 23:01	1,936,872	0.02	0.06	0.02	0.00	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_42_Q3	9/5/22 23:01	9/8/22 0:01	4,303,577	0.04	0.09	0.06	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.3
2022_43_Q3	9/8/22 0:01	9/8/22 23:01	2,201,587	0.02	0.03	0.04	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_44_Q3	9/8/22 23:01	9/12/22 0:01	13,771,876	0.08	0.09	0.11	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.3	0.4	0.4
2022_45_Q3	9/12/22 0:01	9/12/22 23:01	11,497,631	0.03	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.1	0.1	0.1
2022_46_Q3	9/12/22 23:01	9/15/22 0:01	10,884,713	0.04	0.08	0.04	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0.03	0	0	0.05	0.2	0.2	0.3
2022_47_Q3	9/15/22 0:01	9/15/22 23:01	3,261,081	0.02	0.05	0.02	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0.02	0	0	0.01	0.1	0.1	0.2
2022_48_Q3	9/15/22 23:01	9/19/22 0:01	7,618,636	0.04	0.14	0.07	0.01	0	0	0.05	0	0	0	0	0.08	0	0	0	0	0	0.03	0	0	0.03	0.3	0.3	0.5
2022_49_Q3	9/19/22 0:01	9/19/22 23:01	2,278,832	0.02	0.05	0.03	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0.01	0	0	0.01	0.1	0.1	0.2
2022_50_Q3	9/19/22 23:01	9/22/22 0:01	4,158,720	0.03	0.06	0.02	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0.01	0	0	0.02	0.2	0.2	0.2
2022_51_Q3	9/22/22 0:01	9/22/22 23:01	1,802,999	0.02	0.01	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.0	0.1	0.1
2022_52_Q3	9/22/22 23:01	9/26/22 0:01	5,129,118	0.05	0.04	0.02	0.02	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.1	0.2	0.2
2022_53_Q3	9/26/22 0:01	9/26/22 23:01	1,731,334	0.02	0.01	0.02	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_54_Q3	9/26/22 23:01	9/29/22 11:15	4,143,480	0.04	0.08	0.06	0.02	0	0	0.03	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.3
2022_55_Q3	9/29/22 11:15	9/30/22 23:01	3,035,155	0.03	0.09	0.05	0.01	0	0	0.05	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.2	0.3	0.3
2022_1_Q4	9/30/22 23:01	10/5/22 0:01	48,997,161	0.36	1.00	0.58	0.10	0	0	0.37	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0.31	2.4	2.6	2.9
2022_2_Q4	10/5/22 0:01	10/5/22 23:01	6,462,018	0.02	0.08	0.04	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.03	0.1	0.2	0.2
2022_3_Q4	10/5/22 23:01	10/7/22 0:01	4,424,479	0.02	0.07	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.2
2022_4_Q4	10/7/22 0:01	10/7/22 23:01	3,201,446	0.02	0.06	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_5_Q4	10/7/22 23:01	10/10/22 0:01	5,184,650	0.04	0.11	0.06	0.02	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.3
2022_6_Q4	10/10/22 0:01	10/10/22 23:01	2,215,349	0.02	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2022_7_Q4	10/10/22 23:01	10/13/22 0:01	4,267,618	0.04	0.12	0.06	0.02	0	0	0.06	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.3	0.3	0.4
2022_8_Q4	10/13/22 0:01	10/13/22 23:01	1,906,341	0.02	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2022_9_Q4	10/13/22 23:01	10/17/22 0:01	7,021,825	0.06	0.20	0.10	0.02	0	0	0.05	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.02	0.4	0.5	0.6

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2022_10_Q4	10/17/22 0:01	10/17/22 23:01	2,106,476	0.02	0.05	0.03	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2022_11_Q4	10/17/22 23:01	10/20/22 0:01	4,087,310	0.04	0.15	0.06	0.01	0	0	0.02	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.02	0.3	0.3	0.4
2022_12_Q4	10/20/22 0:01	10/20/22 23:01	1,656,586	0.02	0.08	0.03	0.01	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2022_13_Q4	10/20/22 23:01	10/24/22 0:01	5,329,330	0.06	0.28	0.10	0.03	0	0	0.06	0	0	0	0	0.05	0	0	0	0	0.01	0	0	0	0.02	0.5	0.6	0.7
2022_14_Q4	10/24/22 0:01	10/24/22 23:01	1,786,026	0.02	0.11	0.03	0.01	0	0	0.02	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.2
2022_15_Q4	10/24/22 23:01	10/27/22 23:01	5,846,627	0.07	0.29	0.11	0.03	0	0	0.07	0	0	0	0	0.05	0	0	0	0	0.01	0	0	0	0.03	0.6	0.6	0.7
2022_16_Q4	10/27/22 0:01	10/27/22 23:01	1,882,818	0.02	0.07	0.04	0.01	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_17_Q4	10/27/22 23:01	10/31/22 0:01	5,671,621	0.07	0.23	0.11	0.03	0	0	0.07	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.5	0.6	0.7
2022_18_Q4	10/31/22 0:01	10/31/22 23:01	1,972,322	0.03	0.08	0.04	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_19_Q4	10/31/22 23:01	11/3/22 0:01	6,242,081	0.06	0.20	0.09	0.02	0	0	0.04	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.04	0.4	0.5	0.6
2022_20_Q4	11/3/22 0:01	11/3/22 23:01	3,881,645	0.03	0.08	0.04	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.2
2022_21_Q4	11/3/22 23:01	11/7/22 0:01	9,224,609	0.07	0.22	0.11	0.03	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.06	0.4	0.5	0.5
2022_22_Q4	11/7/22 0:01	11/7/22 23:01	2,306,968	0.02	0.06	0.03	0.01	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_23_Q4	11/7/22 23:01	11/9/22 9:00	3,387,080	0.03	0.09	0.05	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_24_Q4	11/9/22 9:00	11/10/22 0:01	1,448,194	0.01	0.04	0.02	0.01	0	0	0.01	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_25_Q4	11/10/22 0:01	11/10/22 23:01	2,041,973	0.02	0.06	0.03	0.01	0	0	0.03	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.1	0.2	0.2
2022_26_Q4	11/10/22 23:01	11/12/22 0:01	2,601,500	0.03	0.04	0.05	0.01	0	0	0.04	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2022_27_Q4	11/12/22 0:01	11/12/22 23:01	4,013,403	0.06	0	0.09	0.02	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_28_Q4	11/12/22 23:01	11/14/22 0:01	5,295,307	0.05	0	0.08	0.01	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.2
2022_29_Q4	11/14/22 0:01	11/14/22 23:01	4,620,715	0.03	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.1	0.1	0.1
2022_30_Q4	11/14/22 23:01	11/17/22 0:01	9,053,349	0.07	0.11	0.09	0.01	0	0	0.05	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0.05	0.3	0.3	0.4
2022_31_Q4	11/17/22 0:01	11/17/22 23:01	3,089,821	0.03	0.08	0.04	0.01	0	0	0.03	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_32_Q4	11/17/22 23:01	11/21/22 0:01	8,185,834	0.07	0.18	0.09	0.02	0	0	0.10	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0.05	0.5	0.5	0.5
2022_33_Q4	11/21/22 0:01	11/21/22 23:01	2,661,925	0.02	0.05	0.02	0.01	0	0	0.04	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.2
2022_34_Q4	11/21/22 23:01	11/24/22 0:01	5,215,029	0.04	0.09	0.06	0.01	0	0	0.08	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.03	0.3	0.3	0.3
2022_35_Q4	11/24/22 0:01	11/24/22 23:01	2,256,864	0.02	0.04	0.03	0.01	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0.1	0.1
2022_36_Q4	11/24/22 23:01	11/28/22 0:01	8,590,385	0.07	0.12	0.10	0.02	0	0	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.4	0.4	0.4
2022_37_Q4	11/28/22 0:01	11/28/22 23:01	4,241,496	0.03	0.05	0.05	0.01	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_38_Q4	11/28/22 23:01	12/1/22 0:01	21,921,317	0.12	0.13	0.16	0.02	0	0	0.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.7	0.7	0.7
2022_39_Q4	12/1/22 0:01	12/1/22 23:01	13,252,284	0.05	0	0.05	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.2	0.2	0.2
2022_40_Q4	12/1/22 23:01	12/5/22 0:01	48,341,020	0.15	0.14	0.16	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0.7	0.7	0.7
2022_41_Q4	12/5/22 0:01	12/5/22 23:01	10,625,783	0.03	0.06	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.1	0.1	0.1
2022_42_Q4	12/5/22 23:01	12/8/22 0:01	15,739,636	0.12	0.15	0.09	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.04	0.4	0.4	0.4
2022_43_Q4	12/8/22 0:01	12/8/22 23:01	4,210,658	0.05	0.05	0.03	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
2022_44_Q4	12/8/22 23:01	12/12/22 0:01	19,075,134	0.15	0.21	0.13	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0.5	0.5	0.5
2022_45_Q4	12/12/22 0:01	12/12/22 23:01	6,748,981	0.02	0.06	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
2022_46_Q4	12/12/22 23:01	12/17/22 0:01	22,751,878	0.10	0.10	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0.3
2022_47_Q4	12/17/22 0:01	12/17/22 23:01	24,957,619	0.15	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0.3
2022_48_Q4	12/17/22 23:01	12/19/22 0:01	27,714,349	0.11	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2
2022_49_Q4	12/19/22 0:01	12/19/22 23:01	18,592,700	0.04	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1

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

Interval Details				Calculated Mass Load [2] (kg)																						
Interval ID	Start Time [1]	End Time [1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2022_50_Q4	12/19/22 23:01	12/22/22 0:01	37,874,264	0.14	0	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0.3
2022_51_Q4	12/22/22 0:01	12/22/22 23:01	15,790,606	0.08	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
2022_52_Q4	12/22/22 23:01	12/26/22 0:01	62,331,609	0.23	0	0.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4	0.4
2022_53_Q4	12/26/22 0:01	12/26/22 23:01	17,467,275	0.04	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
2022_54_Q4	12/26/22 23:01	12/29/22 0:01	27,744,676	0.07	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
2022_55_Q4	12/29/22 0:01	12/29/22 23:01	11,761,147	0.03	0	0.04	0	0	0	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.2	0.2	0.2
2022_56_Q4	12/29/22 23:01	12/31/22 23:59	16,659,905	0.04	0	0.07	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.4	0.4	0.4

Notes

1 - Start and end times are adjusted based on sampling times ± one hour to account for the total flow of the Cape Fear River.

2 - The calculated mass load is a product of weighted concentration and total river flow. Refer to the Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020a) for more details.

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

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

Where mass loads are equal to 0 kg, the compound was not detected above the reporting limit.

kg - kilogram

m^3 - cubic meter

NA - Compound not analyzed

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2020 Q1	CFR-TARHEEL-83-033120	3/31/20 12:00	83	52	52	63	3,197,300,000	--	16	16	19
2020 Q1	CFR-TARHEEL-83-033120-D	3/31/20 12:00	83	56	56	65	3,197,300,000	--	17	17	20
2020 Q1	CFR-TARHEEL-48-040220	4/2/20 13:00	48	86	86	110	958,620,000	--	14	14	17
2020 Q1	CAP1Q20-CFR-TARHEEL-040220	4/2/20 15:45	0	89	91	130	--	4,770	12	12	18
2020 Q1	CAP1Q20-CFR-TARHEEL-24-040320	4/3/20 15:00	24	120	120	160	319,930,000	--	13	13	16
2020 Q1	CFR-TARHEEL-83-040620	4/6/20 0:30	83	120	130	160	880,860,000	--	10	11	13
2020 Q1	CFR-TARHEEL-79-040920	4/9/20 6:30	79	190	200	250	589,470,000	--	11	12	14
2020 Q1	CFR-TARHEEL-83-041920	4/19/20 1:30	83	71	71	81	1,960,700,000	--	13	13	15
2020 Q1	CFR-TARHEEL-83-042220	4/22/20 13:30	83	120	120	130	977,480,000	--	11	11	12
2020 Q1	CFR-TARHEEL-83-042620	4/26/20 0:49	83	110	110	140	1,006,200,000	--	10	11	14
2020 Q1	CFR-TARHEEL-83-042920	4/29/20 11:49	83	120	130	170	808,310,000	--	9.2	9.9	13
2020 Q1	CFR-TARHEEL-62-050220	5/2/20 23:49	62	83	86	130	1,912,800,000	--	20	21	31
2020 Q1	CFR-TARHEEL-83-050620	5/6/20 11:49	83	51	51	74	2,577,100,000	--	12	12	18
2020 Q1	CFR-TARHEEL-83-051120	5/9/20 11:49	83	79	82	110	1,755,700,000	--	13	14	19
2020 Q2	CFR-TARHEEL-83-051320	5/13/20 9:49	83	140	140	190	575,460,000	--	7.6	7.8	11
2020 Q2	CAP2Q20-CFR-TARHEEL-051420	5/14/20 8:55	0	190	200	270	--	1,540	8.3	8.7	12
2020 Q2	CAP2Q20-TARHEEL-24-051820	5/14/20 20:50	24	180	190	250	125,860,000	--	7.4	7.8	11
2020 Q2	CFR-TARHEEL-83-051620	5/16/20 19:49	83	190	190	260	417,990,000	--	7.5	7.6	10
2020 Q2	CFR-TARHEEL-83-052020	5/20/20 8:49	83	260	260	340	384,660,000	--	9.5	9.5	12
2020 Q2	CFR-TARHEEL-052520	5/25/20 10:15	0	4.2	4.2	9.6	--	23,500	2.8	2.8	6.4
2020 Q2	CFR-TARHEEL-052920	5/29/20 9:10	0	11	11	11	--	15,500	4.8	4.8	4.8
2020 Q2	CFR-TARHEEL-060120	6/1/20 14:25	0	9.2	9.2	15	--	23,200	6	6	9.9
2020 Q2	CFR-TARHEEL-060120-D	6/1/20 14:25	0	11	11	13	--	23,200	7.2	7.2	8.5
2020 Q2	CFR-TARHEEL-060520	6/5/20 10:55	0	47	47	53	--	14,700	20	20	22
2020 Q2	CFR-TARHEEL-39-060820	6/8/20 21:06	82	45	45	58	3,650,600,000	--	16	16	20
2020 Q2	CFR-TARHEEL-83-061220	6/12/20 8:06	82	72	72	93	2,027,900,000	--	14	14	18
2020 Q2	CFR-TARHEEL-83-061520	6/15/20 19:06	82	75	75	88	2,054,000,000	--	15	15	17
2020 Q2	CFR-TARHEEL-83-061920	6/19/20 6:06	82	90	90	100	3,096,900,000	--	27	27	30
2020 Q2	CFR-TARHEEL-83-062220	6/22/20 17:06	82	40	40	49	4,194,300,000	--	16	16	20
2020 Q2	CFR-TARHEEL-83-062620	6/26/20 4:06	82	79	79	110	2,464,400,000	--	19	19	25
2020 Q2	CFR-TARHEEL-83-062920	6/29/20 15:06	82	120	120	160	1,286,000,000	--	15	15	19
2020 Q3	CFR-TARHEEL-65-070220	7/2/20 8:06	64	84	87	100	584,870,000	--	6	6.3	7.4
2020 Q3	CFR-TARHEEL-24-070320	7/3/20 7:29	24	150	150	210	204,760,000	--	10	10	14
2020 Q3	CFR-TARHEEL-24-070720	7/7/20 7:29	24	190	190	250	166,590,000	--	10	10	14
2020 Q3	CFR-TARHEEL-24-071020	7/10/20 11:01	24	150	150	200	215,400,000	--	11	11	14
2020 Q3	CFR-TARHEEL-24-071020-D	7/10/20 11:01	24	150	160	210	215,400,000	--	11	11	15
2020 Q3	CFR-TARHEEL-24-071320	7/13/20 23:01	24	140	150	210	216,310,000	--	9.9	10	15
2020 Q3	CFR-TARHEEL-24-071620	7/16/20 23:01	24	160	170	210	180,990,000	--	9.5	10	12
2020 Q3	CFR-TARHEEL-24-072020	7/20/20 23:01	24	170	180	180	163,050,000	--	9.1	9.5	9.5
2020 Q3	CFR-TARHEEL-24-072220	7/22/20 23:01	24	99	100	150	165,240,000	--	5.4	5.6	7.9
2020 Q3	CFR-TARHEEL-24-072320	7/23/20 23:01	24	150	160	200	143,600,000	--	7.1	7.3	9.5
2020 Q3	CFR-TARHEEL-12-072720	7/27/20 11:01	11	78	81	110	108,840,000	--	6.1	6.3	8.4
2020 Q3	CAP3Q20-CFR-TARHEEL-072820	7/28/20 16:20	0	75	78	78	--	2,780	5.9	6.1	6.1
2020 Q3	CAP3Q20-CFR-TARHEEL-24-072920	7/29/20 23:01	24	94	97	120	247,120,000	--	7.6	7.9	9.5
2020 Q3	CFR-TARHEEL-24-073020	7/30/20 23:01	24	78	81	99	335,190,000	--	8.6	8.9	11

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2020 Q3	CFR-TARHEEL-080320	8/3/20 14:50	0	110	120	140	--	2,450	7.6	8.3	9.7
2020 Q3	CFR-TARHEEL-080420	8/4/20 12:30	0	210	210	240	--	4,250	25	25	29
2020 Q3	CFR-TARHEEL-24-080620	8/6/20 22:55	24	21	21	24	760,600,000	--	5.2	5.2	5.9
2020 Q3	CFR-TARHEEL-24-081020	8/10/20 21:56	24	36	36	36	507,950,000	--	6	6	6
2020 Q3	CFR-TARHEEL-24-081220	8/12/20 23:01	24	46	46	72	672,600,000	--	10	10	16
2020 Q3	CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	1,107,700,000	--	9.1	8.9	13
2020 Q3	CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	750,330,000	--	12	11	16
2020 Q3	CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	529,670,000	--	10	10	10
2020 Q3	CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
2020 Q3	CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
2020 Q3	CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
2020 Q3	CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	515,400,000	--	7.4	7.5	9.5
2020 Q3	CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	255,760,000	--	4.9	5	6.2
2020 Q3	CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	146,080,000	--	7.7	7.6	11
2020 Q3	CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	170,490,000	--	4.7	4.9	6.5
2020 Q3	CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	135,600,000	--	4.4	4.9	6.8
2020 Q3	CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	104,290,000	--	13	14	23
2020 Q3	CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	570,840,000	--	11	11	13
2020 Q3	CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	382,980,000	--	8.7	8.6	10
2020 Q3	CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	382,150,000	--	8.8	8.8	11
2020 Q3	CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	703,470,000	--	16	16	19
2020 Q3	CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	841,660,000	--	14	14	16
2020 Q3	CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	792,600,000	--	4.2	4.2	5.6
2020 Q3	CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	971,470,000	--	24	23	31
2020 Q4	CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	847,260,000	--	5.6	5.5	5.5
2020 Q4	CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	126,380,000	--	2.7	2.7	3.2
2020 Q4	CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	231,100,000	--	3	3	3.5
2020 Q4	CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	352,550,000	--	20	20	25
2020 Q4	CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	745,010,000	--	6.3	6.4	8.5
2020 Q4	CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	632,270,000	--	6.6	6.5	8.7
2020 Q4	CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	423,540,000	--	7.1	7	7
2020 Q4	CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	325,130,000	--	6	6.4	8.7
2020 Q4	CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	351,490,000	--	8.1	8.5	11
2020 Q4	CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	547,950,000	--	9.2	9.7	10
2020 Q4	CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	362,140,000	--	7.7	7.8	8.4
2020 Q4	CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	198,700,000	--	5.9	6	8.2
2020 Q4	CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	193,470,000	--	4.7	4.9	7.1
2020 Q4	CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	538,380,000	--	51	51	66
2020 Q4	CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
2020 Q4	CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
2020 Q4	CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13
2020 Q4	CFR-TARHEEL-24-112420	11/24/20 23:01	24	31	31	38	975,960,000	--	9.9	10	12
2020 Q4	CFR-TARHEEL-24-112620	11/26/20 23:01	24	36	36	45	691,990,000	--	8.2	8.2	10
2020 Q4	CFR-TARHEEL-24-113020	11/30/20 23:01	24	94	94	120	541,810,000	--	17	17	20
2020 Q4	CFR-TARHEEL-24-120320	12/3/20 23:01	24	46	46	53	1,088,100,000	--	16	17	19

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2020 Q4	CFR-TARHEEL-24-120720	12/7/20 23:01	24	25	25	40	899,500,000	--	7.4	7.2	12
2020 Q4	CFR-TARHEEL-24-121020	12/10/20 23:01	24	29	29	29	756,860,000	--	7.2	7.3	7.3
2020 Q4	CFR-TARHEEL-24-121320	12/13/20 23:01	24	43	43	60	427,890,000	--	6	6.1	8.4
2020 Q4	CFR-TARHEEL-12-121420	12/14/20 11:59	11	48	48	66	187,550,000	--	6.4	6.5	8.8
2020 Q4	CAP1220-TARHEEL-121620	12/15/20 16:11	0	70	74	84	--	6,270	12	13	15
2020 Q4	CFR-TARHEEL-121720	12/17/20 12:29	0	13	13	20	--	14,200	5.2	5.2	8
2020 Q4	CFR-TARHEEL-122120	12/21/20 13:52	0	18	18	24	--	14,000	7.1	7.1	9.5
2020 Q4	CFR-TARHEEL-122320	12/23/20 9:30	0	7.1	7.1	10	--	14,400	2.9	2.9	4.1
2020 Q4	CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
2020 Q4	CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
2020 Q4	CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
2021 Q1	CFR-TARHEEL-010621	1/6/21 12:10	0	9.3	9.3	9.3	--	23,100	6.1	6.1	6.1
2021 Q1	CFR-TARHEEL-010721	1/7/21 11:00	0	7	7	7	--	20,500	4.1	4.1	4.1
2021 Q1	CFR-TARHEEL-011121	1/11/21 10:30	0	24	24	31	--	15,200	10	10	13
2021 Q1	CFR-TARHEEL-011421	1/14/21 12:40	0	42	42	51	--	7,480	8.9	8.9	11
2021 Q1	CFR-TARHEEL-24-012121	1/21/21 23:01	23	53	53	66	436,160,000	--	7.9	7.9	9.8
2021 Q1	CFR-TARHEEL-24-012221	1/22/21 23:01	23	55	55	70	418,100,000	--	7.9	7.9	10
2021 Q1	CAP0121-CFR-TARHEEL-012621	1/26/21 15:00	0	91	94	130	--	4,890	13	13	18
2021 Q1	CAP0121-CFR-TARHEEL-24-012721	1/27/21 15:10	23	67	67	88	625,480,000	--	14	14	19
2021 Q1	CFR-TARHEEL-24-012721	1/27/21 23:01	23	58	58	74	741,570,000	--	15	15	19
2021 Q1	CFR-TARHEEL-24-012821	1/28/21 23:01	23	44	44	55	1,081,100,000	--	16	16	20
2021 Q1	CFR-TARHEEL-020121	2/1/21 10:05	0	32	32	35	--	15,700	14	14	16
2021 Q1	CFR-TARHEEL-020421	2/4/21 16:35	0	19	19	24	--	19,100	10	10	13
2021 Q1	CFR-TARHEEL-020821	2/8/21 16:00	0	0	0	0	--	18,400	0	0	0
2021 Q1	CFR-TARHEEL-38-021221	2/12/21 14:01	38	62	62	73	1,152,400,000	--	15	15	17
2021 Q1	CFR-TARHEEL-021621	2/16/21 12:00	0	22	22	22	--	28,200	18	18	18
2021 Q1	CFR-TARHEEL-021921	2/19/21 13:35	0	38	38	46	--	27,600	30	30	36
2021 Q1	CFR-TARHEEL-022221	2/22/21 9:35	0	36	36	48	--	21,900	22	22	30
2021 Q1	CAP0221-CFR-TARHEEL-022421	2/24/21 15:15	0	26	26	34	--	17,700	13	13	17
2021 Q1	CFR-TARHEEL-022521	2/25/21 12:20	0	30	30	36	--	16,800	14	14	17
2021 Q1	CFR-TARHEEL-24-030521	3/5/21 23:01	23	22	22	34	1,561,200,000	--	12	12	18
2021 Q1	CFR-TARHEEL-24-030621	3/6/21 23:01	23	44	44	54	1,494,800,000	--	22	22	28
2021 Q1	CFR-TARHEEL-24-030821	3/8/21 23:01	23	22	22	28	1,392,900,000	--	10	11	14
2021 Q1	CFR-TARHEEL-24-031121	3/11/21 23:01	23	49	49	58	936,910,000	--	16	16	19
2021 Q1	CFR-TARHEEL-24-031521	3/15/21 23:01	23	45	45	53	740,120,000	--	11	11	13
2021 Q1	CFR-TARHEEL-24-031821	3/18/21 23:01	23	34	34	41	1,115,900,000	--	13	13	16
2021 Q1	CFR-TARHEEL-24-032421	3/24/21 23:01	23	65	75	120	670,370,000	--	15	17	27
2021 Q1	CFR-TARHEEL-24-032521	3/25/21 23:01	23	69	72	79	659,840,000	--	16	16	18
2021 Q1	CAP0321-CFR-TARHEEL-032921	3/29/21 12:10	0	14	14	20	--	14,900	5.9	5.9	8.4
2021 Q1	CAP0321-CFR-TARHEEL-21-033021	3/30/21 8:50	20	11	11	20	1,136,000,000	--	4.9	4.8	9
2021 Q1	CFR-TARHEEL-24-032921	3/29/21 23:01	23	16	16	20	1,243,300,000	--	6.8	6.8	8.5
2021 Q1	CFR-TARHEEL-24-033121	3/31/21 23:01	23	15	15	18	1,437,700,000	--	7.4	7.1	8.7
2021 Q1	CFR-TARHEEL-24-033121-D	3/31/21 23:01	23	15	15	18	1,437,700,000	--	7.4	7.5	8.9
2021 Q2	CFR-TARHEEL-24-040521	4/5/21 23:01	23	190	190	260	389,920,000	--	25	26	35
2021 Q2	CFR-TARHEEL-24-040721	4/7/21 23:01	23	86	86	110	365,170,000	--	11	11	13

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2021 Q2	CFR-TARHEEL-24-041221	4/12/21 23:01	23	72	72	100	485,650,000	--	12	12	17
2021 Q2	CFR-TARHEEL-24-041521	4/15/21 23:01	23	67	67	81	403,390,000	--	9.2	9.2	11
2021 Q2	CFR-TARHEEL-24-041821	4/18/21 23:01	23	110	110	140	276,010,000	--	10	10	14
2021 Q2	CFR-TARHEEL-24-041921	4/19/21 23:01	23	220	220	270	268,130,000	--	20	21	25
2021 Q2	CAP0421-CFR-TARHEEL-042021	4/20/21 15:00	0	110	110	140	--	2,880	9	9	11
2021 Q2	CAP0421-CFR-TARHEEL-5-042121	4/21/21 14:48	4	160	160	210	33,048,000	--	10	10	14
2021 Q2	CAP0421-CFR-TARHEEL-24-042221	4/22/21 13:20	23	140	140	530	171,820,000	--	8.2	8.5	31
2021 Q2	CFR-TARHEEL-042721	4/27/21 19:10	0	150	150	200	--	1,940	8.2	8.2	11
2021 Q2	CFR-TARHEEL-24-042821	4/28/21 23:01	23	120	130	160	173,290,000	--	7.1	7.5	9.6
2021 Q2	CFR-TARHEEL-24-050321	5/3/21 23:01	23	100	110	150	179,070,000	--	6.1	7	9.4
2021 Q2	CFR-TARHEEL-24-050621	5/6/21 23:01	0	130	130	170	--	1,780	6.6	6.6	8.6
2021 Q2	CFR-TARHEEL-24-051021	5/10/21 23:01	23	81	89	120	278,320,000	--	7.7	8.5	12
2021 Q2	CFR-TARHEEL-24-051221	5/12/21 23:01	23	89	94	130	196,830,000	--	6	6.3	8.8
2021 Q2	CFR-TARHEEL-24-051721	5/17/21 23:01	23	110	110	140	142,230,000	--	5.4	5.4	7
2021 Q2	CFR-TARHEEL-24-052021	5/20/21 23:01	23	120	130	170	117,540,000	--	4.8	5.2	6.7
2021 Q2	CFR-TARHEEL-24-052421	5/24/21 23:01	23	150	160	190	93,204,000	--	4.8	5	6.2
2021 Q2	CAP0521-CFR-TARHEEL-052621	5/26/21 11:25	0	91	95	95	--	1,210	3.1	3.3	3.3
2021 Q2	CAP0521-CFR-TARHEEL-24-052721	5/27/21 13:18	23	140	150	190	101,940,000	--	4.9	5.2	6.7
2021 Q2	CFR-TARHEEL-24-052721	5/27/21 23:01	23	160	160	200	100,600,000	--	5.5	5.6	6.8
2021 Q2	CFR-TARHEEL-24-060221	6/2/21 23:01	23	130	130	170	105,840,000	--	4.7	4.8	6
2021 Q2	CFR-TARHEEL-24-060321	6/3/21 23:01	23	290	290	380	136,330,000	--	14	14	18
2021 Q2	CFR-TARHEEL-24-060721	6/7/21 23:01	23	81	87	120	271,060,000	--	7.5	8	11
2021 Q2	CFR-TARHEEL-24-061221	6/12/21 23:01	23	180	180	230	310,180,000	--	19	19	25
2021 Q2	CFR-TARHEEL-24-061521	6/15/21 23:01	23	59	59	65	357,770,000	--	7.2	7.2	8
2021 Q2	CAP0621-CFR-TARHEEL-24-061621	6/16/21 14:35	23	55	55	60	379,850,000	--	7.1	7.1	7.8
2021 Q2	CFR-TARHEEL-24-061721	6/17/21 23:01	23	57	57	62	324,590,000	--	6.3	6.3	6.9
2021 Q2	CFR-TARHEEL-24-062221	6/22/21 23:01	23	77	77	77	228,200,000	--	6	6	6
2021 Q2	CFR-TARHEEL-24-062421	6/24/21 23:01	23	79	87	120	225,940,000	--	6.1	6.7	9.4
2021 Q3	CFR-TARHEEL-24-070121	7/1/21 11:35	0	82	87	93	--	1,610	3.7	4	4.2
2021 Q3	CFR-TARHEEL-24-070221	7/2/21 23:01	24	83	88	96	121,420,000	--	3.4	3.6	4
2021 Q3	CFR-TARHEEL-24-070721	7/7/21 23:01	24	72	80	120	136,020,000	--	3.3	3.7	5.3
2021 Q3	CFR-TARHEEL-24-070821	7/8/21 23:01	24	110	110	120	175,800,000	--	6.6	6.7	7
2021 Q3	CFR-TARHEEL-24-071221	7/12/21 23:01	24	37	37	44	671,650,000	--	8.5	8.5	10
2021 Q3	CFR-TARHEEL-24-071221-D	7/12/21 23:01	24	45	45	57	671,650,000	--	10	10	13
2021 Q3	CFR-TARHEEL-24-071521	7/15/21 23:01	24	57	57	62	250,420,000	--	4.9	4.9	5.3
2021 Q3	CFR-TARHEEL-24-071921	7/19/21 23:01	24	61	65	91	153,240,000	--	3.2	3.4	4.8
2021 Q3	CFR-TARHEEL-24-072221	7/22/21 23:01	24	51	51	72	634,790,000	--	11	11	16
2021 Q3	CFR-TARHEEL-24-072621	7/26/21 23:01	24	65	65	67	131,680,000	--	2.9	2.9	3
2021 Q3	CAP0721-CFR-TARHEEL-072821	7/28/21 8:50	0	46	50	54	--	4,210	5.5	6	6.4
2021 Q3	CAP0721-CFR-TARHEEL-24-072821	7/29/21 16:45	24	60	65	79	215,850,000	--	4.4	4.8	5.8
2021 Q3	CFR-TARHEEL-24-072921	7/29/21 23:01	24	52	56	69	205,990,000	--	3.7	4	4.9
2021 Q3	CFR-TARHEEL-24-080221	8/2/21 23:01	24	100	110	150	112,710,000	--	3.9	4.1	5.6
2021 Q3	CFR-TARHEEL-24-080521	8/5/21 23:01	24	120	130	190	104,040,000	--	4.3	4.6	6.6
2021 Q3	CFR-TARHEEL-24-081221	8/12/21 23:01	24	93	100	120	120,820,000	--	3.8	4.2	4.8
2021 Q3	CFR-TARHEEL-24-081221-DUP	8/12/21 23:01	24	90	99	110	120,820,000	--	3.7	4.1	4.5

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2021 Q3	CFR-TARHEEL-24-081321	8/13/21 23:01	24	80	90	100	115,000,000	--	3.1	3.5	4.1
2021 Q3	CFR-TARHEEL-24-081621	8/16/21 23:01	24	75	78	100	90,288,000	--	2.3	2.4	3.1
2021 Q3	CAP0821-CFR-TARHEEL-081921	8/19/21 9:50	0	82	89	110	--	2,140	5	5.4	6.7
2021 Q3	CFR-TARHEEL-24-081921	8/19/21 23:01	24	74	82	120	204,780,000	--	5.2	5.7	8.4
2021 Q3	CAP0821-CFR-TARHEEL-24-082021	8/20/21 7:30	24	67	67	67	228,210,000	--	5.2	5.2	5.2
2021 Q3	CFR-TARHEEL-24-082321	8/23/21 23:01	24	37	40	44	280,790,000	--	3.6	3.9	4.3
2021 Q3	CFR-TARHEEL-24-082621	8/26/21 23:01	24	47	50	56	217,440,000	--	3.5	3.7	4.2
2021 Q3	CFR-TARHEEL-24-082921	8/29/21 23:01	24	43	46	57	100,580,000	--	1.5	1.6	1.9
2021 Q3	CFR-TARHEEL-24-090221	9/2/21 23:01	24	53	57	68	80,171,000	--	1.5	1.5	1.9
2021 Q3	CFR-TARHEEL-24-090621	9/6/21 23:01	24	72	78	84	78,452,000	--	1.9	2.1	2.3
2021 Q3	CFR-TARHEEL-24-090921	9/9/21 23:01	24	69	76	81	83,971,000	--	2	2.2	2.3
2021 Q3	CFR-TARHEEL-24-091321	9/13/21 23:01	24	66	77	97	105,270,000	--	2.4	2.8	3.5
2021 Q3	CFR-TARHEEL-24-091321-D	9/13/21 23:01	24	65	76	97	105,270,000	--	2.3	2.7	3.5
2021 Q3	CAP0921-CFR-TARHEEL-091521	9/15/21 9:00	0	100	110	140	--	1,060	3	3.3	4.2
2021 Q3	CAP0921-CFR-TARHEEL-24-091521	9/15/21 20:36	24	93	100	130	84,564,000	--	2.7	3	3.7
2021 Q3	CFR-TARHEEL-24-091621	9/16/21 23:01	24	96	110	140	79,752,000	--	2.6	3	3.7
2021 Q3	CFR-TARHEEL-24-092021	9/20/21 23:01	24	82	87	100	81,212,000	--	2.3	2.4	2.8
2021 Q3	CFR-TARHEEL-24-092121	9/21/21 23:01	24	83	87	97	78,084,000	--	2.2	2.3	2.6
2021 Q3	CFR-TARHEEL-24-092721	9/27/21 23:01	24	48	48	62	179,230,000	--	2.9	2.9	3.8
2021 Q3	CFR-TARHEEL-24-093021	9/30/21 23:01	24	88	91	110	82,816,000	--	2.5	2.6	3.2
2021 Q4	CFR-TARHEEL-24-100421	10/4/21 23:01	24	80	83	93	68,901,000	--	1.9	1.9	2.2
2021 Q4	CFR-TARHEEL-24-100721	10/7/21 23:01	24	79	85	110	85,113,000	--	2.3	2.5	3.1
2021 Q4	CFR-TARHEEL-24-101121	10/11/21 23:01	24	18	24	35	601,050,000	--	3.7	4.8	7.2
2021 Q4	CFR-TARHEEL-24-101121-D	10/11/21 23:01	24	18	23	28	601,050,000	--	3.7	4.8	5.8
2021 Q4	CFR-TARHEEL-24-101521	10/15/21 23:01	24	51	51	56	101,950,000	--	1.8	1.8	2
2021 Q4	CFR-TARHEEL-24-101821	10/18/21 23:01	24	72	74	82	79,027,000	--	1.9	2	2.2
2021 Q4	CAP1021-CFR-TARHEEL-102021	10/20/21 11:50	0	80	86	110	--	927	2.1	2.3	2.9
2021 Q4	CAP1021-CFR-TARHEEL-24-102121	10/21/21 15:24	24	87	94	120	74,380,000	--	2.2	2.4	3.1
2021 Q4	CFR-TARHEEL-24-102121	10/21/21 23:01	24	87	93	120	73,328,000	--	2.2	2.3	3
2021 Q4	CFR-TARHEEL-24-102521	10/25/21 23:01	24	81	88	97	74,909,000	--	2.1	2.3	2.5
2021 Q4	CFR-TARHEEL-24-102821	10/28/21 23:01	24	72	78	86	76,447,000	--	1.9	2	2.2
2021 Q4	CFR-TARHEEL-24-110121	11/1/21 23:01	24	72	77	89	96,246,000	--	2.4	2.5	2.9
2021 Q4	CFR-TARHEEL-24-110421	11/4/21 23:01	24	72	79	90	83,907,000	--	2.1	2.3	2.6
2021 Q4	CFR-TARHEEL-24-110821	11/8/21 23:01	24	77	84	110	78,491,000	--	2.1	2.3	2.8
2021 Q4	CFR-TARHEEL-24-110821-D	11/8/21 23:01	24	74	81	97	78,491,000	--	2	2.2	2.6
2021 Q4	CAP1121-CFR-TARHEEL-111021	11/10/21 10:50	0	79	85	92	--	935	2.1	2.3	2.4
2021 Q4	CAP1121-CFR-TARHEEL-24-111121	11/11/21 15:36	24	78	84	92	75,278,000	--	2	2.2	2.4
2021 Q4	CFR-TARHEEL-24-111121	11/11/21 23:01	24	79	85	93	78,075,000	--	2.1	2.3	2.5
2021 Q4	CFR-TARHEEL-24-111521	11/15/21 23:01	24	68	77	100	88,596,000	--	2.1	2.3	3
2021 Q4	FAY-CFR-TARHEEL-A-111521	11/15/21 12:55	0	68	76	90	--	1,070	2.1	2.3	2.7
2021 Q4	FAY-CFR-TARHEEL-B-111521	11/15/21 12:55	0	75	87	130	--	1,070	2.3	2.6	3.9
2021 Q4	FAY-CFR-TARHEEL-C-111521	11/15/21 12:55	0	60	70	87	--	1,070	1.8	2.1	2.6
2021 Q4	FAY-CFR-TARHEEL-D-111521	11/15/21 12:55	0	95	100	140	--	1,070	2.9	3	4.2
2021 Q4	CFR-TARHEEL-24-111821	11/18/21 23:01	24	94	100	120	78,459,000	--	2.5	2.7	3.3
2021 Q4	CFR-TARHEEL-24-112221	11/22/21 23:01	24	62	68	73	79,029,000	--	1.7	1.8	2

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Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2021 Q4	CFR-TARHEEL-24-112521	11/25/21 23:01	24	61	68	80	96,111,000	--	2	2.2	2.6
2021 Q4	CFR-TARHEEL-24-112921	11/29/21 23:01	24	56	62	68	85,797,000	--	1.6	1.8	2
2021 Q4	CFR-TARHEEL-24-120221	12/2/21 23:01	24	65	65	71	83,052,000	--	1.8	1.8	2
2021 Q4	CFR-TARHEEL-24-120621	12/6/21 23:01	24	64	64	71	77,685,000	--	1.7	1.7	1.9
2021 Q4	CFR-TARHEEL-24-120921	12/9/21 23:01	24	120	120	130	138,830,000	--	5.7	5.5	6.1
2021 Q4	CFR-TARHEEL-24-121321	12/13/21 23:01	24	15	20	20	108,230,000	--	0.56	0.73	0.73
2021 Q4	CAP1221-CFR-TARHEEL-121521	12/15/21 10:35	0	32	42	51	--	1,120	1	1.3	1.6
2021 Q4	CAP1221-CFR-TARHEEL-24-121621	12/16/21 8:16	24	52	64	73	87,165,000	--	1.6	1.9	2.2
2021 Q4	CFR-TARHEEL-24-121621	12/16/21 23:01	24	56	68	68	85,545,000	--	1.6	2	2
2021 Q4	CFR-TARHEEL-24-122021	12/20/21 23:01	24	85	94	110	105,170,000	--	3.1	3.4	4.1
2021 Q4	CFR-TARHEEL-24-122321	12/23/21 23:01	24	47	58	80	183,910,000	--	3	3.6	5
2021 Q4	CFR-TARHEEL-24-122721	12/27/21 23:01	24	70	74	89	99,945,000	--	2.4	2.5	3
2021 Q4	CFR-TARHEEL-24-123021	12/30/21 23:01	24	73	76	87	87,741,000	--	2.2	2.3	2.6
2022 Q1	CFR-TARHEEL-24-010222	1/2/22 23:01	24	53	56	60	172,310,000	--	3.1	3.3	3.5
2022 Q1	CFR-TARHEEL-24-010322	1/3/22 23:01	24	95	99	120	294,070,000	--	9.6	10	12
2022 Q1	CFR-TARHEEL-24-011122	1/11/22 23:01	24	20	20	26	437,080,000	--	3	2.9	3.8
2022 Q1	CFR-TARHEEL-24-011322	1/13/22 23:01	24	8.4	8.4	13	511,580,000	--	1.5	1.5	2.2
2022 Q1	CFR-TARHEEL-24-011922	1/19/22 23:01	24	12	12	17	608,650,000	--	2.5	2.4	3.6
2022 Q1	CFR-TARHEEL-24-011922-D	1/19/22 23:01	24	12	12	15	608,650,000	--	2.5	2.6	3
2022 Q1	CFR-TARHEEL-15-012022	1/20/22 14:01	15	11	11	14	340,370,000	--	2.1	2.1	2.7
2022 Q1	CFR-TARHEEL-24-012522	1/25/22 23:01	24	7.9	7.9	7.9	597,640,000	--	1.6	1.6	1.6
2022 Q1	CAP1Q22-CFR-TARHEEL-012622	1/26/22 16:40	0	16	16	19	--	6,530	3	3	3.5
2022 Q1	CAP1Q22-CFR-TARHEEL-24-012722	1/27/22 11:54	24	16	18	21	517,630,000	--	2.8	3.2	3.8
2022 Q1	CFR-TARHEEL-24-012822	1/28/22 23:01	24	28	28	28	376,970,000	--	3.6	3.6	3.6
2022 Q1	CFR-TARHEEL-24-013122	1/31/22 23:01	24	40	43	45	209,850,000	--	2.9	3.1	3.3
2022 Q1	CFR-TARHEEL-24-020322	2/3/22 23:01	24	57	60	64	186,840,000	--	3.6	3.8	4.1
2022 Q1	CFR-TARHEEL-24-020722	2/7/22 23:01	24	30	34	36	342,840,000	--	3.5	4	4.2
2022 Q1	CFR-TARHEEL-24-020722-D	2/7/22 23:01	24	30	34	39	342,840,000	--	3.5	4	4.6
2022 Q1	CFR-TARHEEL-24-021122	2/11/22 23:01	24	13	13	13	458,340,000	--	2	2	2
2022 Q1	CFR-TARHEEL-24-021422	2/14/22 23:01	24	31	35	37	202,870,000	--	2.2	2.4	2.6
2022 Q1	CFR-TARHEEL-24-021822	2/18/22 23:01	24	5.6	5.6	5.6	176,450,000	--	0.34	0.34	0.34
2022 Q1	CFR-TARHEEL-24-022622	2/26/22 23:01	24	7	7	7	224,670,000	--	0.54	0.54	0.54
2022 Q1	CFR-TARHEEL-24-022722	2/27/22 23:01	24	3.8	3.8	3.8	312,160,000	--	0.41	0.41	0.41
2022 Q1	CFR-TARHEEL-24-022822	2/28/22 23:01	24	0	0	0	361,320,000	--	0	0	0
2022 Q1	CFR-TARHEEL-24-030322	3/3/22 23:01	24	6.8	12	31	377,850,000	--	0.88	1.5	4
2022 Q1	CFR-TARHEEL-24-030722	3/7/22 23:01	24	28	34	52	144,960,000	--	1.4	1.7	2.6
2022 Q1	CFR-TARHEEL-24-031022	3/10/22 23:01	24	41	48	66	157,940,000	--	2.2	2.6	3.6
2022 Q1	CFR-TARHEEL-24-031022-D	3/10/22 23:01	24	43	50	69	157,940,000	--	2.3	2.7	3.7
2022 Q1	CFR-TARHEEL-031722	3/17/22 12:30	0	4.7	4.7	4.7	--	11,100	1.5	1.5	1.5
2022 Q1	CFR-TARHEEL-031822	3/18/22 9:00	0	0	0	0	--	24,800	0	0	0
2022 Q1	CFR-TARHEEL-24-032322	3/23/22 8:10	24	17	17	17	847,430,000	--	4.9	4.9	4.9
2022 Q1	CFR-TARHEEL-032422	3/24/22 13:05	0	9.4	9.4	9.4	--	7,680	2	2	2
2022 Q1	CFR-TARHEEL-24-032922	3/29/22 23:01	24	8	8	8	662,420,000	--	1.8	1.8	1.8
2022 Q1	CFR-TARHEEL-24-033122	3/31/22 23:01	24	9.8	9.8	9.8	419,860,000	--	1.4	1.4	1.4
2022 Q2	CFR-TARHEEL-24-040422	4/4/22 23:01	24	5.9	5.9	5.9	561,470,000	--	1.1	1.1	1.1

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2022 Q2	CFR-TARHEEL-24-040722	4/7/22 23:01	24	18	18	29	564,760,000	--	3.5	3.4	5.6
2022 Q2	CFR-TARHEEL-24-041122	4/11/22 23:01	24	32	34	38	273,800,000	--	3	3.2	3.6
2022 Q2	CFR-TARHEEL-24-041122-D	4/11/22 23:01	24	31	34	39	273,800,000	--	2.9	3.1	3.6
2022 Q2	CFR-TARHEEL-24-041522	4/15/22 23:01	24	12	14	14	166,400,000	--	0.68	0.82	0.82
2022 Q2	CAP2Q22-CFR-TARHEEL-041922	4/19/22 17:05	0	27	32	38	--	2,540	1.9	2.3	2.7
2022 Q2	CAP2Q22-CFR-TARHEEL-24-042022	4/20/22 16:33	24	35	46	85	837,200,000	--	10	13	24
2022 Q2	CFR-TARHEEL-24-042122	4/21/22 23:01	24	0	0	0	1,227,100,000	--	0	0	0
2022 Q2	CFR-TARHEEL-24-042222	4/22/22 23:01	24	2.1	2.1	2.1	809,240,000	--	0.58	0.58	0.58
2022 Q2	CFR-TARHEEL-24-042522	4/25/22 23:01	24	23	27	27	187,090,000	--	1.5	1.7	1.7
2022 Q2	CFR-TARHEEL-24-042822	4/28/22 23:01	24	24	29	32	220,240,000	--	1.8	2.2	2.4
2022 Q2	CFR-TARHEEL-24-050222	5/2/22 23:01	24	49	55	59	125,950,000	--	2.1	2.4	2.5
2022 Q2	CFR-TARHEEL-24-050522	5/5/22 23:01	24	37	45	51	137,170,000	--	1.7	2.1	2.4
2022 Q2	CFR-TARHEEL-24-050922	5/9/22 23:01	24	34	42	49	186,550,000	--	2.2	2.7	3.1
2022 Q2	CFR-TARHEEL-24-050922-D	5/9/22 23:01	24	30	37	44	186,550,000	--	1.9	2.4	2.8
2022 Q2	CFR-TARHEEL-24-051322	5/13/22 23:01	24	29	32	37	154,790,000	--	1.5	1.7	1.9
2022 Q2	CFR-TARHEEL-24-051622	5/16/22 23:01	24	28	32	41	172,700,000	--	1.7	1.9	2.4
2022 Q2	CFR-TARHEEL-24-051922	5/19/22 23:01	24	27	33	45	124,930,000	--	1.2	1.4	1.9
2022 Q2	CFR-TARHEEL-24-052322	5/23/22 23:01	24	44	48	58	88,380,000	--	1.3	1.4	1.7
2022 Q2	CFR-TARHEEL-24-052622	5/26/22 23:01	24	16	22	26	269,680,000	--	1.5	2	2.4
2022 Q2	CFR-TARHEEL-24-053022	5/30/22 23:01	24	0	0	0	746,410,000	--	0	0	0
2022 Q2	CFR-TARHEEL-24-060222	6/2/22 23:01	24	16	19	19	150,280,000	--	0.82	0.99	0.99
2022 Q2	CFR-TARHEEL-24-060622	6/6/22 23:01	24	42	45	52	76,532,000	--	1.1	1.2	1.4
2022 Q2	CFR-TARHEEL-24-060622-D	6/6/22 23:01	24	62	66	74	76,532,000	--	1.6	1.7	1.9
2022 Q2	CFR-TARHEEL-24-060922	6/9/22 23:01	24	48	51	56	81,526,000	--	1.3	1.4	1.6
2022 Q2	CFR-TARHEEL-24-061322	6/13/22 23:01	24	41	48	55	102,230,000	--	1.4	1.7	1.9
2022 Q2	CFR-TARHEEL-24-061622	6/16/22 23:01	24	43	51	60	82,593,000	--	1.2	1.4	1.7
2022 Q2	CFR-TARHEEL-24-062022	6/20/22 23:01	24	47	47	47	78,746,000	--	1.3	1.3	1.3
2022 Q2	CFR-TARHEEL-24-062322	6/23/22 23:01	24	41	41	41	70,710,000	--	0.99	0.99	0.99
2022 Q2	CFR-TARHEEL-24-062722	6/27/22 23:01	24	50	61	69	64,095,000	--	1.1	1.3	1.5
2022 Q2	CFR-TARHEEL-24-063022	6/30/22 23:01	24	52	60	69	80,846,000	--	1.4	1.7	1.9
2022 Q3	CFR-TARHEEL-24-070422	7/4/22 23:01	24	0	0	0	91,053,000	--	0	0	0
2022 Q3	CFR-TARHEEL-23-070822	7/8/22 23:01	24	15	15	15	160,470,000	--	0.8	0.82	0.82
2022 Q3	CFR-TARHEEL-24-070922	7/9/22 23:01	24	38	45	67	269,050,000	--	3.5	4.1	6.2
2022 Q3	CFR-TARHEEL-24-071122	7/11/22 23:01	24	27	35	42	284,920,000	--	2.6	3.4	4.0
2022 Q3	CFR-TARHEEL-24-071422	7/14/22 23:01	24	47	53	63	121,110,000	--	1.9	2.2	2.6
2022 Q3	CFR-TARHEEL-24-071822	7/18/22 23:01	24	47	53	65	187,740,000	--	3.0	3.4	4.1
2022 Q3	CFR-TARHEEL-24-071822-D	7/18/22 23:01	24	47	53	74	187,740,000	--	3.0	3.4	4.7
2022 Q3	CAP3Q22-CFR-TARHEEL-072022	7/20/22 15:35	0	45	50	58	--	1,530	1.9	2.2	2.5
2022 Q3	CAP3Q22-CFR-TARHEEL-24-072122	7/21/22 23:01	24	28	28	28	98,271,000	--	0.94	0.94	0.94
2022 Q3	CFR-TARHEEL-24-072122	7/21/22 23:01	24	37	37	37	98,271,000	--	1.2	1.2	1.2
2022 Q3	CFR-TARHEEL-24-072522	7/25/22 23:01	24	45	45	52	75,630,000	--	1.2	1.2	1.3
2022 Q3	CFR-TARHEEL-24-072822	7/28/22 23:01	24	31	35	35	77,677,000	--	0.82	0.94	0.94
2022 Q3	CFR-TARHEEL-24-080122	8/1/22 23:01	24	48	48	53	74,948,000	--	1.2	1.2	1.4
2022 Q3	CFR-TARHEEL-24-080422	8/4/22 23:01	24	31	31	31	251,410,000	--	2.7	2.6	2.6
2022 Q3	CFR-TARHEEL-24-081022	8/10/22 23:01	24	47	52	62	67,881,000	--	1.1	1.2	1.4

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2022 Q3	CFR-TARHEEL-24-081022-D	8/10/22 23:01	24	41	41	41	67,881,000	--	0.95	0.95	0.95
2022 Q3	CFR-TARHEEL-24-081222	8/12/22 23:01	24	36	36	36	65,344,000	--	0.80	0.80	0.80
2022 Q3	CFR-TARHEEL-24-081522	8/15/22 23:01	24	29	38	48	92,313,000	--	0.91	1.2	1.5
2022 Q3	CFR-TARHEEL-24-081822	8/18/22 23:01	24	30	30	30	96,372,000	--	0.99	0.97	0.97
2022 Q3	CFR-TARHEEL-24-082222	8/22/22 23:01	24	25	36	36	122,440,000	--	1.0	1.5	1.5
2022 Q3	CFR-TARHEEL-24-082522	8/25/22 23:01	24	6.8	6.8	6.8	146,070,000	--	0.34	0.34	0.34
2022 Q3	CFR-TARHEEL-24-082922	8/29/22 23:01	24	26	26	26	87,507,000	--	0.78	0.77	0.77
2022 Q3	CFR-TARHEEL-24-090122	9/1/22 23:01	24	53	64	69	74,268,000	--	1.3	1.6	1.7
2022 Q3	CFR-TARHEEL-24-090522	9/5/22 23:01	24	51	59	64	68,400,000	--	1.2	1.4	1.5
2022 Q3	CFR-TARHEEL-24-090822	9/8/22 23:01	24	41	53	53	77,748,000	--	1.1	1.4	1.4
2022 Q3	CFR-TARHEEL-24-091222	9/12/22 23:01	24	3.0	3.0	3.0	406,030,000	--	0.42	0.42	0.42
2022 Q3	CFR-TARHEEL-24-091222-D	9/12/22 23:01	24	5.8	5.8	5.8	406,030,000	--	0.80	0.80	0.80
2022 Q3	CFR-TARHEEL-24-091522	9/15/22 23:01	24	25	28	52	115,160,000	--	0.98	1.1	2.0
2022 Q3	CFR-TARHEEL-24-091922	9/19/22 23:01	24	59	63	80	80,476,000	--	1.6	1.7	2.2
2022 Q3	CFR-TARHEEL-24-092222	9/22/22 23:01	24	18	29	35	63,672,000	--	0.39	0.64	0.76
2022 Q3	CFR-TARHEEL-24-092622	9/26/22 23:01	24	31	37	51	61,141,000	--	0.65	0.76	1.1
2022 Q3	CFR-TARHEEL-092922	9/29/22 11:15	0	77	84	91	--	677	1.5	1.6	1.7
2022 Q4	CFR-TARHEEL-24-100522	10/5/22 23:01	24	21	24	28	228,200,000	--	1.6	1.8	2.2
2022 Q4	CFR-TARHEEL-24-100722	10/7/22 23:01	24	35	35	40	114,570,000	--	1.4	1.4	1.6
2022 Q4	CFR-TARHEEL-24-101022	10/10/22 23:01	24	62	65	65	78,234,000	--	1.7	1.7	1.7
2022 Q4	CFR-TARHEEL-24-101022-D	10/10/22 23:01	24	64	67	74	78,234,000	--	1.7	1.8	2
2022 Q4	CFR-TARHEEL-24-101322	10/13/22 23:01	24	76	83	100	67,322,000	--	1.7	1.9	2.3
2022 Q4	CFR-TARHEEL-24-101722	10/17/22 23:01	24	49	58	73	74,389,000	--	1.2	1.5	1.8
2022 Q4	CFR-TARHEEL-24-102022	10/20/22 23:01	24	89	95	110	62,120,000	--	1.9	2	2.4
2022 Q4	CFR-TARHEEL-24-102422	10/24/22 23:01	24	110	120	140	63,073,000	--	2.4	2.5	2.9
2022 Q4	CFR-TARHEEL-24-102722	10/27/22 23:01	24	89	94	100	66,491,000	--	2	2.1	2.4
2022 Q4	CFR-TARHEEL-24-103122	10/31/22 23:01	24	93	100	120	69,652,000	--	2.2	2.5	3
2022 Q4	CFR-TARHEEL-24-110322	11/3/22 23:01	24	41	49	53	137,080,000	--	1.9	2.3	2.5
2022 Q4	CFR-TARHEEL-24-110722	11/7/22 23:01	24	50	57	61	81,470,000	--	1.4	1.6	1.7
2022 Q4	CAP4Q22-CFR-TARHEEL-110922	11/9/22 9:00	0	33	71	71	--	954	0.89	1.9	1.9
2022 Q4	CAP4Q22-CFR-TARHEEL-24-111022	11/10/22 23:01	24	0	78	84	72,111,000	--	0	1.9	2.1
2022 Q4	CFR-TARHEEL-24-111222	11/12/22 23:01	24	54	58	58	141,730,000	--	2.6	2.8	2.8
2022 Q4	CFR-TARHEEL-24-111422	11/14/22 23:01	24	14	17	17	163,180,000	--	0.78	0.94	0.94
2022 Q4	CFR-TARHEEL-24-111422-D	11/14/22 23:01	24	14	18	18	163,180,000	--	0.78	0.98	0.98
2022 Q4	CFR-TARHEEL-24-111722	11/17/22 23:01	24	59	63	70	109,120,000	--	2.2	2.4	2.6
2022 Q4	CFR-TARHEEL-24-112122	11/21/22 23:01	24	51	58	73	94,005,000	--	1.6	1.9	2.3
2022 Q4	CFR-TARHEEL-24-112422	11/24/22 23:01	24	55	59	59	79,700,000	--	1.5	1.6	1.6
2022 Q4	CFR-TARHEEL-24-112822	11/28/22 23:01	24	44	44	44	149,790,000	--	2.3	2.3	2.3
2022 Q4	CFR-TARHEEL-24-120122	12/1/22 23:01	24	18	18	18	468,000,000	--	2.9	2.8	2.8
2022 Q4	CFR-TARHEEL-24-120522	12/5/22 23:01	24	3.4	12	12	375,250,000	--	0.44	1.5	1.5
2022 Q4	CFR-TARHEEL-24-120822	12/8/22 23:01	24	7.8	35	35	148,700,000	--	0.4	1.8	1.8
2022 Q4	CFR-TARHEEL-24-121222	12/12/22 23:01	24	14	17	17	238,340,000	--	1.1	1.4	1.4
2022 Q4	CFR-TARHEEL-24-121222-D	12/12/22 23:01	24	0	17	17	238,340,000	--	0	1.4	1.4
2022 Q4	CFR-TARHEEL-24-121722	12/17/22 23:01	24	8.4	10	10	881,370,000	--	2.5	3.1	3.1
2022 Q4	CFR-TARHEEL-24-121922	12/19/22 23:01	24	0	5.1	5.1	656,590,000	--	0	1.1	1.1

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

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2022 Q4	CFR-TARHEEL-24-122222	12/22/22 23:01	24	0	9.2	9.2	557,640,000	--	0	1.8	1.8
2022 Q4	CFR-TARHEEL-24-122622	12/26/22 23:01	24	4.9	4.9	4.9	616,850,000	--	1.0	1.0	1.0
2022 Q4	CFR-TARHEEL-24-122922	12/29/22 23:01	24	23	23	23	415,340,000	--	3.3	3.2	3.2

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

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

TABLE B5
FLOW DATA FOR W.O'HUSKE LOCK NR TAR HEEL, NC
Chemours Fayetteville Works, North Carolina

Q4 2022 Monthly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Travel Time Offset (hr)[2]	Adjusted Flow Gauging Timepoint	Composite Sample 24-Hour Flow Volume (MGD)[3]	Grab Sample Instantaneous Flow Rate (ft^3/s)[4]
November 2022	Upstream River Water and Groundwater	11/08/22 10:35	William O Huske Lock and Dam	--	11/08/22 10:35	--	994
	Tarheel (Composite Sample)	11/10/22 2:48	William O Huske Lock and Dam	7	11/09/22 10:45	590	--
	Tarheel (Grab Sample)	11/09/22 9:00	William O Huske Lock and Dam	7	11/08/22 17:00	--	954
	Bladen Bluff	11/09/22 8:30	William O Huske Lock and Dam	5	11/08/22 21:45	--	944
	Kings Bluff	11/14/22 12:40	Cape Fear River Lock and Dam #1	--	11/14/22 12:40	--	2,330

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:

ft^3/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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/08/22 0:00	994	6,692,055	1.38	0
11/08/22 0:15	984	6,624,731	1.37	0
11/08/22 0:30	984	6,624,731	1.37	0
11/08/22 0:45	984	6,624,731	1.37	0
11/08/22 1:00	984	6,624,731	1.37	0
11/08/22 1:15	984	6,624,731	1.37	0
11/08/22 1:30	984	6,624,731	1.37	0
11/08/22 1:45	984	6,624,731	1.37	0
11/08/22 2:00	984	6,624,731	1.37	0
11/08/22 2:15	984	6,624,731	1.37	0
11/08/22 2:30	984	6,624,731	1.37	0
11/08/22 2:45	984	6,624,731	1.37	0
11/08/22 3:00	984	6,624,731	1.37	0
11/08/22 3:15	984	6,624,731	1.37	0
11/08/22 3:30	984	6,624,731	1.37	0
11/08/22 3:45	984	6,624,731	1.37	0
11/08/22 4:00	984	6,624,731	1.37	0
11/08/22 4:15	984	6,624,731	1.37	0
11/08/22 4:30	984	6,624,731	1.37	0
11/08/22 4:45	974	6,557,406	1.36	0
11/08/22 5:00	984	6,624,731	1.37	0
11/08/22 5:15	984	6,624,731	1.37	0
11/08/22 5:30	984	6,624,731	1.37	0
11/08/22 5:45	974	6,557,406	1.36	0
11/08/22 6:00	984	6,624,731	1.37	0
11/08/22 6:15	984	6,624,731	1.37	0
11/08/22 6:30	984	6,624,731	1.37	0
11/08/22 6:45	974	6,557,406	1.36	0
11/08/22 7:00	974	6,557,406	1.36	0
11/08/22 7:15	984	6,624,731	1.37	0
11/08/22 7:30	974	6,557,406	1.36	0
11/08/22 7:45	994	6,692,055	1.38	0
11/08/22 8:00	974	6,557,406	1.36	0
11/08/22 8:15	984	6,624,731	1.37	0
11/08/22 8:30	984	6,624,731	1.37	0
11/08/22 8:45	984	6,624,731	1.37	0
11/08/22 9:00	994	6,692,055	1.38	0
11/08/22 9:15	964	6,490,082	1.35	0
11/08/22 9:30	974	6,557,406	1.36	0
11/08/22 9:45	1,000	6,732,450	1.39	0
11/08/22 10:00	1,010	6,799,775	1.40	0
11/08/22 10:15	1,010	6,799,774	1.40	0
11/08/22 10:30	994	6,692,055	1.38	0
11/08/22 10:45	994	6,692,055	1.38	0
11/08/22 11:00	994	6,692,055	1.38	0
11/08/22 11:15	1,000	6,732,450	1.39	0
11/08/22 11:30	994	6,692,055	1.38	0
11/08/22 11:45	1,020	6,867,099	1.41	0
11/08/22 12:00	1,000	6,732,450	1.39	0
11/08/22 12:15	1,010	6,799,775	1.40	0
11/08/22 12:30	1,000	6,732,450	1.39	0
11/08/22 12:45	1,000	6,732,450	1.39	0
11/08/22 13:00	1,010	6,799,775	1.40	0
11/08/22 13:15	994	6,692,055	1.38	0

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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/08/22 13:30	1,000	6,732,450	1.39	0
11/08/22 13:45	974	6,557,406	1.36	0
11/08/22 14:00	994	6,692,055	1.38	0
11/08/22 14:15	1,000	6,732,450	1.39	0
11/08/22 14:30	1,000	6,732,450	1.39	0
11/08/22 14:45	994	6,692,055	1.38	0
11/08/22 15:00	994	6,692,055	1.38	0
11/08/22 15:15	984	6,624,731	1.37	0
11/08/22 15:30	994	6,692,055	1.38	0
11/08/22 15:45	984	6,624,731	1.37	0
11/08/22 16:00	984	6,624,731	1.37	0
11/08/22 16:15	964	6,490,082	1.35	0
11/08/22 16:30	964	6,490,082	1.35	0
11/08/22 16:45	984	6,624,731	1.37	0
11/08/22 17:00	954	6,422,757	1.34	0
11/08/22 17:15	954	6,422,757	1.34	0
11/08/22 17:30	954	6,422,757	1.34	0
11/08/22 17:45	954	6,422,757	1.34	0
11/08/22 18:00	944	6,355,433	1.33	0
11/08/22 18:15	944	6,355,433	1.33	0
11/08/22 18:30	944	6,355,433	1.33	0
11/08/22 18:45	944	6,355,433	1.33	0
11/08/22 19:00	944	6,355,433	1.33	0
11/08/22 19:15	944	6,355,433	1.33	0
11/08/22 19:30	944	6,355,433	1.33	0
11/08/22 19:45	944	6,355,433	1.33	0
11/08/22 20:00	944	6,355,433	1.33	0
11/08/22 20:15	954	6,422,757	1.34	0
11/08/22 20:30	944	6,355,433	1.33	0
11/08/22 20:45	944	6,355,433	1.33	0
11/08/22 21:00	935	6,294,841	1.32	0
11/08/22 21:15	944	6,355,433	1.33	0
11/08/22 21:30	944	6,355,433	1.33	0
11/08/22 21:45	944	6,355,433	1.33	0
11/08/22 22:00	935	6,294,841	1.32	0
11/08/22 22:15	935	6,294,841	1.32	0
11/08/22 22:30	944	6,355,433	1.33	0
11/08/22 22:45	944	6,355,433	1.33	0
11/08/22 23:00	944	6,355,433	1.33	0
11/08/22 23:15	944	6,355,433	1.33	0
11/08/22 23:30	944	6,355,433	1.33	0
11/08/22 23:45	944	6,355,433	1.33	0
11/09/22 0:00	954	6,422,757	1.34	0
11/09/22 0:15	944	6,355,433	1.33	0
11/09/22 0:30	944	6,355,433	1.33	0
11/09/22 0:45	944	6,355,433	1.33	0
11/09/22 1:00	944	6,355,433	1.33	0
11/09/22 1:15	954	6,422,757	1.34	0
11/09/22 1:30	954	6,422,757	1.34	0
11/09/22 1:45	954	6,422,757	1.34	0
11/09/22 2:00	954	6,422,757	1.34	0
11/09/22 2:15	954	6,422,757	1.34	0
11/09/22 2:30	954	6,422,757	1.34	0
11/09/22 2:45	954	6,422,757	1.34	0

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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/09/22 3:00	954	6,422,757	1.34	0
11/09/22 3:15	944	6,355,433	1.33	0
11/09/22 3:30	964	6,490,082	1.35	0
11/09/22 3:45	944	6,355,433	1.33	0
11/09/22 4:00	964	6,490,082	1.35	0
11/09/22 4:15	944	6,355,433	1.33	0
11/09/22 4:30	935	6,294,841	1.32	0
11/09/22 4:45	954	6,422,757	1.34	0
11/09/22 5:00	944	6,355,433	1.33	0
11/09/22 5:15	944	6,355,433	1.33	0
11/09/22 5:30	944	6,355,433	1.33	0
11/09/22 5:45	944	6,355,433	1.33	0
11/09/22 6:00	954	6,422,757	1.34	0
11/09/22 6:15	944	6,355,433	1.33	0
11/09/22 6:30	944	6,355,433	1.33	0
11/09/22 6:45	954	6,422,757	1.34	0
11/09/22 7:00	954	6,422,757	1.34	0
11/09/22 7:15	944	6,355,433	1.33	0
11/09/22 7:30	935	6,294,841	1.32	0
11/09/22 7:45	954	6,422,757	1.34	0
11/09/22 8:00	935	6,294,841	1.32	0
11/09/22 8:15	935	6,294,841	1.32	0
11/09/22 8:30	944	6,355,433	1.33	0
11/09/22 8:45	944	6,355,433	1.33	0
11/09/22 9:00	954	6,422,757	1.34	0
11/09/22 9:15	944	6,355,433	1.33	0
11/09/22 9:30	954	6,422,757	1.34	0
11/09/22 9:45	944	6,355,433	1.33	0
11/09/22 10:00	944	6,355,433	1.33	0
11/09/22 10:15	935	6,294,841	1.32	0
11/09/22 10:30	954	6,422,757	1.34	0
11/09/22 10:45	954	6,422,757	1.34	0
11/09/22 11:00	925	6,227,516	1.31	0
11/09/22 11:15	954	6,422,757	1.34	0
11/09/22 11:30	954	6,422,757	1.34	0
11/09/22 11:45	954	6,422,757	1.34	0
11/09/22 12:00	964	6,490,082	1.35	0
11/09/22 12:15	954	6,422,757	1.34	0
11/09/22 12:30	964	6,490,082	1.35	0
11/09/22 12:45	974	6,557,406	1.36	0
11/09/22 13:00	925	6,227,516	1.31	0
11/09/22 13:15	935	6,294,841	1.32	0
11/09/22 13:30	935	6,294,841	1.32	0
11/09/22 13:45	935	6,294,841	1.32	0
11/09/22 14:00	964	6,490,082	1.35	0
11/09/22 14:15	944	6,355,433	1.33	0
11/09/22 14:30	935	6,294,841	1.32	0
11/09/22 14:45	954	6,422,757	1.34	0
11/09/22 15:00	925	6,227,516	1.31	0
11/09/22 15:15	944	6,355,433	1.33	0
11/09/22 15:30	906	6,099,600	1.29	0
11/09/22 15:45	915	6,160,192	1.30	0
11/09/22 16:00	906	6,099,600	1.29	0
11/09/22 16:15	915	6,160,192	1.30	0

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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/09/22 16:30	906	6,099,600	1.29	0
11/09/22 16:45	925	6,227,516	1.31	0
11/09/22 17:00	906	6,099,600	1.29	0
11/09/22 17:15	896	6,032,275	1.28	0
11/09/22 17:30	896	6,032,275	1.28	0
11/09/22 17:45	915	6,160,192	1.30	0
11/09/22 18:00	896	6,032,275	1.28	0
11/09/22 18:15	896	6,032,275	1.28	0
11/09/22 18:30	906	6,099,600	1.29	0
11/09/22 18:45	896	6,032,275	1.28	0
11/09/22 19:00	877	5,904,359	1.26	0
11/09/22 19:15	896	6,032,275	1.28	0
11/09/22 19:30	915	6,160,192	1.30	0
11/09/22 19:45	906	6,099,600	1.29	0
11/09/22 20:00	887	5,971,683	1.27	0
11/09/22 20:15	887	5,971,683	1.27	0
11/09/22 20:30	896	6,032,275	1.28	0
11/09/22 20:45	887	5,971,683	1.27	0
11/09/22 21:00	896	6,032,275	1.28	0
11/09/22 21:15	896	6,032,275	1.28	0
11/09/22 21:30	877	5,904,359	1.26	0
11/09/22 21:45	887	5,971,683	1.27	0
11/09/22 22:00	896	6,032,275	1.28	0
11/09/22 22:15	896	6,032,275	1.28	0
11/09/22 22:30	896	6,032,275	1.28	0
11/09/22 22:45	896	6,032,275	1.28	0
11/09/22 23:00	887	5,971,683	1.27	0
11/09/22 23:15	896	6,032,275	1.28	0
11/09/22 23:30	887	5,971,683	1.27	0
11/09/22 23:45	887	5,971,683	1.27	0
11/10/22 0:00	877	5,904,359	1.26	0
11/10/22 0:15	887	5,971,683	1.27	0
11/10/22 0:30	887	5,971,683	1.27	0
11/10/22 0:45	896	6,032,275	1.28	0
11/10/22 1:00	887	5,971,683	1.27	0
11/10/22 1:15	877	5,904,359	1.26	0
11/10/22 1:30	877	5,904,359	1.26	0
11/10/22 1:45	887	5,971,683	1.27	0
11/10/22 2:00	877	5,904,359	1.26	0
11/10/22 2:15	877	5,904,359	1.26	0
11/10/22 2:30	887	5,971,683	1.27	0
11/10/22 2:45	887	5,971,683	1.27	0
11/10/22 3:00	887	5,971,683	1.27	0
11/10/22 3:15	887	5,971,683	1.27	0
11/10/22 3:30	877	5,904,359	1.26	0
11/10/22 3:45	877	5,904,359	1.26	0
11/10/22 4:00	887	5,971,683	1.27	0
11/10/22 4:15	896	6,032,275	1.28	0
11/10/22 4:30	887	5,971,683	1.27	0
11/10/22 4:45	887	5,971,683	1.27	0
11/10/22 5:00	887	5,971,683	1.27	0
11/10/22 5:15	877	5,904,359	1.26	0
11/10/22 5:30	877	5,904,359	1.26	0
11/10/22 5:45	887	5,971,683	1.27	0

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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/10/22 6:00	887	5,971,683	1.27	0
11/10/22 6:15	887	5,971,683	1.27	0
11/10/22 6:30	887	5,971,683	1.27	0
11/10/22 6:45	877	5,904,359	1.26	0
11/10/22 7:00	877	5,904,359	1.26	0
11/10/22 7:15	887	5,971,683	1.27	0
11/10/22 7:30	887	5,971,683	1.27	0
11/10/22 7:45	896	6,032,275	1.28	0
11/10/22 8:00	887	5,971,683	1.27	0
11/10/22 8:15	877	5,904,359	1.26	0
11/10/22 8:30	887	5,971,683	1.27	0
11/10/22 8:45	896	6,032,275	1.28	0
11/10/22 9:00	896	6,032,275	1.28	0
11/10/22 9:15	887	5,971,683	1.27	0
11/10/22 9:30	877	5,904,359	1.26	0
11/10/22 9:45	896	6,032,275	1.28	0
11/10/22 10:00	896	6,032,275	1.28	0
11/10/22 10:15	887	5,971,683	1.27	0
11/10/22 10:30	887	5,971,683	1.27	0
11/10/22 10:45	896	6,032,275	1.28	0
11/10/22 11:00	887	5,971,683	1.27	0
11/10/22 11:15	896	6,032,275	1.28	0
11/10/22 11:30	906	6,099,600	1.29	0
11/10/22 11:45	896	6,032,275	1.28	0
11/10/22 12:00	887	5,971,683	1.27	0
11/10/22 12:15	887	5,971,683	1.27	0
11/10/22 12:30	896	6,032,275	1.28	0
11/10/22 12:45	896	6,032,275	1.28	0
11/10/22 13:00	906	6,099,600	1.29	0
11/10/22 13:15	887	5,971,683	1.27	0
11/10/22 13:30	887	5,971,683	1.27	0
11/10/22 13:45	896	6,032,275	1.28	0
11/10/22 14:00	896	6,032,275	1.28	0
11/10/22 14:15	887	5,971,683	1.27	0
11/10/22 14:30	887	5,971,683	1.27	0
11/10/22 14:45	887	5,971,683	1.27	0
11/10/22 15:00	877	5,904,359	1.26	0
11/10/22 15:15	887	5,971,683	1.27	0
11/10/22 15:30	896	6,032,275	1.28	0
11/10/22 15:45	887	5,971,683	1.27	0
11/10/22 16:00	887	5,971,683	1.27	0
11/10/22 16:15	887	5,971,683	1.27	0
11/10/22 16:30	887	5,971,683	1.27	0
11/10/22 16:45	896	6,032,275	1.28	0
11/10/22 17:00	896	6,032,275	1.28	0
11/10/22 17:15	887	5,971,683	1.27	0
11/10/22 17:30	896	6,032,275	1.28	0
11/10/22 17:45	896	6,032,275	1.28	0
11/10/22 18:00	896	6,032,275	1.28	0
11/10/22 18:15	896	6,032,275	1.28	0
11/10/22 18:30	906	6,099,600	1.29	0
11/10/22 18:45	906	6,099,600	1.29	0
11/10/22 19:00	906	6,099,600	1.29	0
11/10/22 19:15	906	6,099,600	1.29	0

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

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
11/10/22 19:30	896	6,032,275	1.28	0
11/10/22 19:45	906	6,099,600	1.29	0
11/10/22 20:00	906	6,099,600	1.29	0
11/10/22 20:15	915	6,160,192	1.30	0
11/10/22 20:30	915	6,160,192	1.30	0
11/10/22 20:45	906	6,099,600	1.29	0
11/10/22 21:00	915	6,160,192	1.30	0
11/10/22 21:15	915	6,160,192	1.30	0
11/10/22 21:30	915	6,160,192	1.30	0
11/10/22 21:45	915	6,160,192	1.30	0
11/10/22 22:00	915	6,160,192	1.30	0
11/10/22 22:15	915	6,160,192	1.30	0
11/10/22 22:30	925	6,227,516	1.31	0
11/10/22 22:45	915	6,160,192	1.30	0
11/10/22 23:00	925	6,227,516	1.31	0
11/10/22 23:15	925	6,227,516	1.31	0
11/10/22 23:30	925	6,227,516	1.31	0
11/10/22 23:45	925	6,227,516	1.31	0

Notes

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

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

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

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

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
11/14/22	12:00:00 AM	2,350	900	15,821,257
11/14/22	12:15:00 AM	2,350	900	15,821,258
11/14/22	12:30:00 AM	2,350	900	15,821,257
11/14/22	12:45:00 AM	2,330	900	15,686,608
11/14/22	1:00:00 AM	2,320	900	15,619,284
11/14/22	1:15:00 AM	2,330	900	15,686,608
11/14/22	1:30:00 AM	2,330	900	15,686,608
11/14/22	1:45:00 AM	2,330	900	15,686,609
11/14/22	2:00:00 AM	2,330	900	15,686,608
11/14/22	2:15:00 AM	2,330	900	15,686,608
11/14/22	2:30:00 AM	2,330	900	15,686,609
11/14/22	2:45:00 AM	2,330	900	15,686,608
11/14/22	3:00:00 AM	2,330	900	15,686,608
11/14/22	3:15:00 AM	2,330	900	15,686,609
11/14/22	3:30:00 AM	2,330	900	15,686,608
11/14/22	3:45:00 AM	2,330	900	15,686,608
11/14/22	4:00:00 AM	2,320	900	15,619,284
11/14/22	4:15:00 AM	2,320	900	15,619,284
11/14/22	4:30:00 AM	2,300	900	15,484,635
11/14/22	4:45:00 AM	2,330	900	15,686,609
11/14/22	5:00:00 AM	2,330	900	15,686,608
11/14/22	5:15:00 AM	2,320	900	15,619,284
11/14/22	5:30:00 AM	2,330	900	15,686,609
11/14/22	5:45:00 AM	2,330	900	15,686,608
11/14/22	6:00:00 AM	2,350	900	15,821,257
11/14/22	6:15:00 AM	2,320	900	15,619,284
11/14/22	6:30:00 AM	2,320	900	15,619,284
11/14/22	6:45:00 AM	2,320	900	15,619,284
11/14/22	7:00:00 AM	2,320	900	15,619,284
11/14/22	7:15:00 AM	2,320	900	15,619,284
11/14/22	7:30:00 AM	2,300	900	15,484,635
11/14/22	7:45:00 AM	2,330	900	15,686,609
11/14/22	8:00:00 AM	2,320	900	15,619,284
11/14/22	8:15:00 AM	2,320	900	15,619,284
11/14/22	8:30:00 AM	2,300	900	15,484,635
11/14/22	8:45:00 AM	2,320	900	15,619,284
11/14/22	9:00:00 AM	2,330	900	15,686,608
11/14/22	9:15:00 AM	2,330	900	15,686,609
11/14/22	9:30:00 AM	2,320	900	15,619,284
11/14/22	9:45:00 AM	2,320	900	15,619,284
11/14/22	10:00:00 AM	2,320	900	15,619,284
11/14/22	10:15:00 AM	2,320	900	15,619,284
11/14/22	10:30:00 AM	2,320	900	15,619,284
11/14/22	10:45:00 AM	2,320	900	15,619,284
11/14/22	11:00:00 AM	2,320	900	15,619,284
11/14/22	11:15:00 AM	2,320	900	15,619,284
11/14/22	11:30:00 AM	2,320	900	15,619,284
11/14/22	11:45:00 AM	2,320	900	15,619,284
11/14/22	12:00:00 PM	2,320	900	15,619,284
11/14/22	12:15:00 PM	2,320	900	15,619,284
11/14/22	12:30:00 PM	2,330	900	15,686,608
11/14/22	12:45:00 PM	2,330	900	15,686,608
11/14/22	1:00:00 PM	2,330	900	15,686,609
11/14/22	1:15:00 PM	2,320	900	15,619,284
11/14/22	1:30:00 PM	2,320	900	15,619,284
11/14/22	1:45:00 PM	2,320	900	15,619,284
11/14/22	2:00:00 PM	2,300	900	15,484,635
11/14/22	2:15:00 PM	2,300	900	15,484,635
11/14/22	2:30:00 PM	2,320	900	15,619,284
11/14/22	2:45:00 PM	2,300	900	15,484,635
11/14/22	3:00:00 PM	2,300	900	15,484,635

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

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
11/14/22	3:15:00 PM	2,300	900	15,484,635
11/14/22	3:30:00 PM	2,300	900	15,484,635
11/14/22	3:45:00 PM	2,300	900	15,484,635
11/14/22	4:00:00 PM	2,300	900	15,484,635
11/14/22	4:15:00 PM	2,300	900	15,484,635
11/14/22	4:30:00 PM	2,300	900	15,484,635
11/14/22	4:45:00 PM	2,320	900	15,619,284
11/14/22	5:00:00 PM	2,320	900	15,619,284
11/14/22	5:15:00 PM	2,300	900	15,484,635
11/14/22	5:30:00 PM	2,300	900	15,484,635
11/14/22	5:45:00 PM	2,320	900	15,619,284
11/14/22	6:00:00 PM	2,300	900	15,484,635
11/14/22	6:15:00 PM	2,320	900	15,619,284
11/14/22	6:30:00 PM	2,300	900	15,484,635
11/14/22	6:45:00 PM	2,320	900	15,619,284
11/14/22	7:00:00 PM	2,320	900	15,619,284
11/14/22	7:15:00 PM	2,320	900	15,619,284
11/14/22	7:30:00 PM	2,320	900	15,619,284
11/14/22	7:45:00 PM	2,320	900	15,619,284
11/14/22	8:00:00 PM	2,320	900	15,619,284
11/14/22	8:15:00 PM	2,320	900	15,619,284
11/14/22	8:30:00 PM	2,300	900	15,484,635
11/14/22	8:45:00 PM	2,320	900	15,619,284
11/14/22	9:00:00 PM	2,320	900	15,619,284
11/14/22	9:15:00 PM	2,330	900	15,686,609
11/14/22	9:30:00 PM	2,330	900	15,686,608
11/14/22	9:45:00 PM	2,330	900	15,686,608
11/14/22	10:00:00 PM	2,330	900	15,686,609
11/14/22	10:15:00 PM	2,320	900	15,619,284
11/14/22	10:30:00 PM	2,330	900	15,686,608
11/14/22	10:45:00 PM	2,320	900	15,619,284
11/14/22	11:00:00 PM	2,330	900	15,686,608
11/14/22	11:15:00 PM	2,320	900	15,619,284
11/14/22	11:30:00 PM	2,320	900	15,619,284
11/14/22	11:45:00 PM	2,330	900	15,686,609

Notes

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

ft^3/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

TABLE B8
Table 3+ PFAS MASS DISCHARGE AT DOWNSTREAM LOCATIONS
Chemours Fayetteville Works, North Carolina

Pathway Number	**--**	**--**	**--**
Pathway Name	**Tar Heel Ferry Road Bridge[2]**	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[2]**
Flow (MG)	**--**	**590**	**--**
Instantaneous Flow (ft3/sec)	**954**	**--**	**944**
Program	**CAP SW Sampling 4Q22**	**CAP SW Sampling 4Q22**	**CAP SW Sampling 4Q22**
Location ID	**CFR-TARHEEL**	**CFR-TARHEEL**	**CFR-BLADEN**
Field Sample ID	**CAP4Q22-CFR-TARHEEL-110922**	**CAP4Q22-CFR-TARHEEL-24-111022**	**CAP4Q22-CFR-BLADEN-110922**
Sample Date and Time[1]	**11/9/2022**	**11/10/2022**	**11/9/2022**
Sample Delivery Group (SDG)	**320-94321-1**	**320-94321-1**	**320-94320-1**
Lab Sample ID	**320-94321-3**	**320-94321-1**	**320-94320-4**
Sample Type	**Grab**	**Composite**	**Grab**
Table 3+ Lab SOP Mass Discharge[3] (mg/s)			
HFPO-DA	**0.25**	**0.23**	**0.23**
PFMOAA	**0.78**	**0.80**	**0.56**
PFO2HxA	**0.49**	**0.41**	**0.37**
PFO3OA	**0.11**	**0.09**	**0.09**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	**0.34**	**0.29**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.16**	**0.16**	**0.14**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.12**	**0.13**	**0.13**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[4,5]	**1.65**	**1.89**	**1.55**
Total Table 3+ Mass Discharge (17 compounds)[4,6]	**1.76**	**2.02**	**1.68**
Total Table 3+ Mass Discharge (20 Compounds)[4]	**1.92**	**2.17**	**1.82**

TABLE B8
Table 3+ PFAS MASS DISCHARGE AT DOWNSTREAM LOCATIONS
Chemours Fayetteville Works, North Carolina

Pathway Number	**--**
Pathway Name	**Kings Bluff[2]**
Flow (MG)	**--**
Instantaneous Flow (ft3/sec)	**2,330**
Program	**CAP SW Sampling 4Q22**
Location ID	**CFR-KINGS**
Field Sample ID	**CAP4Q22-CFR-KINGS-111422**
Sample Date and Time[1]	**11/14/2022**
Sample Delivery Group (SDG)	**320-94574-1**
Lab Sample ID	**320-94574-1**
Sample Type	**Grab**
Table 3+ Lab SOP Mass Discharge[3] (mg/s)	
HFPO-DA	**0.50**
PFMOAA	ND
PFO2HxA	**0.44**
PFO3OA	ND
PFO4DA	ND
PFO5DA	ND
PMPA	ND
PEPA	ND
PS Acid	ND
Hydro-PS Acid	ND
R-PSDA	ND
Hydrolyzed PSDA	ND
R-PSDCA	ND
NVHOS, Acid Form	**0.2**
EVE Acid	ND
Hydro-EVE Acid	ND
R-EVE	ND
PES	ND
PFECA B	ND
PFECA-G	ND
Total Attachment C Mass Discharge[4,5]	**0.92**
Total Table 3+ Mass Discharge (17 compounds)[4,6]	**1.12**
Total Table 3+ Mass Discharge (20 Compounds)[4]	**1.12**

Notes:
1 - For composite samples, the end of the composite sample time period is listed as the sample date.
2 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff are determined based on instantaneous flow rates.
3 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Table 3, and 24-hour flow volumes reported in Table B5.
4 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table 3, which are rounded to two significant figures.
5 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
6 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

Appendix C

Field Forms

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	BLADEN-1D	Well Diameter:	2 Inches
Samplers:	JAMIE MCGEE|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 36
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-15-2022 Time: 12:35

WATER VOLUME CALCULATION

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

Water Volume = 2.981

Initial Depth to Water (ft.): 20.1 Depth to Well Bottom (ft.): 38.73

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:23	20.10	630.00	--	--	--	--	--	--	--	--	--	
13:35	20.35	630.00	7560.00	5.71	3.54	97.00	16.10	3790.00	18.74	Clear	No	
13:40	20.35	630.00	3150.00	5.5	2.58	125.10	25.24	5570.10	18.75	Clear	No	
13:45	20.35	630.00	3150.00	5.42	0.80	119.30	23.13	5465.00	18.78	Clear	No	
13:50		630.00	3150.00	5.39	0.43	112.70	20.67	5383.90	18.74	Clear	No	
13:55	20.31	275.00	1375.00	5.37	0.36	113.30	37.67	5333.30	18.73	Clear	No	
14:00	20.21	275.00	1375.00	5.52	0.30	100.70	79.30	5645.60	18.66	Clear	No	
14:06	20.21	275.00	1650.00	5.5	0.32	108.00	53.36	5274.60	18.51	Clear	No	
14:11	20.21	275.00	1375.00	5.47	0.32	109.10	37.62	5361.70	18.57	Clear	No	
14:16	20.21	275.00	1375.00	5.46	0.31	112.60	27.51	5267.80	18.54	Clear	No	
14:21	20.21	275.00	1375.00	5.45	0.30	113.60	18.62	5269.70	18.66	Clear	No	
14:26	20.21	275.00	1375.00	5.75	0.27	119.10	28.71	5322.40	18.74	Clear	No	
14:31	20.21	275.00	1375.00	5.44	0.24	109.70	45.76	5313.40	18.53	Clear	No	
14:36	20.21	275.00	1375.00	5.39	0.21	104.80	162.36	5312.20	18.59	Clear	No	
14:41	20.21	275.00	1375.00	5.42	0.18	95.20	191.98	5338.90	18.54	Clear	No	
14:46	20.21	275.00	1375.00	5.43	0.16	83.20	194.14	4867.70	18.58	Clear	No	
14:51	20.21	275.00	1375.00	5.41	0.17	91.10	102.14	4896.10	18.52	Clear	No	
14:56	20.23	275.00	1375.00	6	0.28	169.90	0.00	11123.00	16.97	Clear	No	
15:10	20.26	275.00	3850.00	5.47	1.60	155.00	0.00	5618.90	18.09	Clear	No	

Screen Interval: 37 - 47

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Grab Date: 11-15-2022 Time: 15:15
Field Filtered: No

Purge Start Time: 13:30
Total Volume Purged (mL): 34600

Field Parameters

STABILIZED PARAMETERS	
pH	5.47
Spec. Cond.(µS/cm)	5618.90
Turbidity (NTU)	0.00
Temp.(°C)	18.09
DO (mg/L)	1.60
ORP (mV)	155.00

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

Sample ID: CAP4Q22-BLADEN-1D-111522
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED
Table 3+ (20)(LL) Including HPFO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy

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Precipitation:	Rain
Wind (mph)	--

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly cap	Event Type:	Sampling
Date:	11-09-2022	Time:	08:35	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
4Q22CAP-CFR-BLADEN-110922	11-09-2022 08:30		8.70	7.65	53.00	17.79	871.96	17.20	Yellow tint	No	--	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7	Distance to River Right:	31
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	51
Total Depth to Bottom of Channel (ft):	14	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

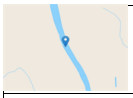
ALL PARAMETERS ANALYZED

537 Mod (36) ; Table 3+ (20)(LL) including HFPO-DA

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	13

Latitude: 34.7722998616614
Longitude: -78.7981947006707



GPS Location (if collected)

River Right

River Left

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-14-2022	Time:	12:31	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-CFR-KINGS-111422	11-14-2022	12:40	8.54	0.07	8.70	19.42	7.03	20.21	Clear	No	--	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	82
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	17
Total Depth to Bottom of Channel (ft):	20	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

537 Mod (36) ; Table 3+ (20)(LL) including HFPO-DA

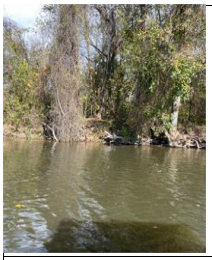
WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.4070398714715
Longitude:	-78.2947211713328

GPS Location (if collected)

River Right



River Left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-09-2022	Time:	08:53	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-CFR-TARHEEL-110922	11-09-2022 09:00		8.16	1.04	61.50	12.89	1951.00	17.17	Clear	No	--	

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7	Distance to River Right:	14
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	55
Total Depth to Bottom of Channel (ft):	14	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

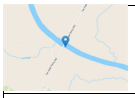
ALL PARAMETERS ANALYZED

537 Mod (36) ; Table 3+ (20)(LL) including HFPO-DA

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	14

Latitude:	34.7442171504465
Longitude:	-78.7853760404377



GPS Location (if collected)

River Right

River Left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-10-2022	Time:	09:52	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-CFR-TARHEEL-24-111222	11-10-2022 02:48		8.25	8.11	0.40	7.85	101.78	17.60	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-09-2022 03:48	Multi Meter ID:	766679
ISCO End Date and Time:	11-10-2022 02:48	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

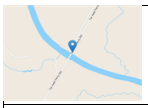
ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	7

Latitude: 34.7449472285707

Longitude: -78.7852344764769



GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|SOPHIA HAYES|	Sampling Event:	4Q22 CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	15:00	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-GBC-01-110822	11-08-2022	3:05:00 PM	6.08	6.41	179.00	3.08	5491.40	18.34	clear	no	--	

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):	1.5	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

Temperature (F):	56.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	13

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	Lock-Dam North	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	14:03	General Comments:	Flow 250 mL/ 14.4 sec; bucket timer method

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-LOCK-DAM-NORTH-110822	11-08-2022	14:00	6.42	4.56	195.10	100.63	860.90	19.97	cloudy	no	--	--

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
		Multi Meter ID:	706751	Flow Rate Units:	--

SAMPLE SET

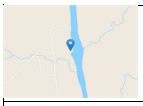
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 Mod (36); Table 3+ (20)(LL) inlcuding HFPO-DA

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	17

Latitude:	34.8339665519372
Longitude:	-78.8236535546307



GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	Lock-Dam Seep	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	13:56	General Comments:	Flow: 2000mL/10.6 seconds; timer bucket method

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-LOCK-DAM-SEEP-110822	11-08-2022	13:40	7.51	1.85	87.80	5.94	2353.40	19.92	clear	no	--	

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
		Multi Meter ID:	706751	Flow Rate Units:	--

SAMPLE SET

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

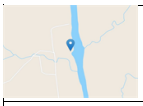
ALL PARAMETERS ANALYZED

537 Mod (36); Table 3+ (20)(LL) including HFPO-DA

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	17

Latitude:	34.8338939050615
Longitude:	-78.8237505379561



GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 10:03

WATER VOLUME CALCULATION

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

Water Volume = 1.907

Initial Depth to Water (ft.): 16.8 Depth to Well Bottom (ft.): 28.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:24	17.66	330.00	1650.00	4.1	0.52	134.00	40.90	134.65	16.50	Clear	No	
10:29	17.71	330.00	1650.00	4.11	0.35	137.00	10.62	132.25	16.81	Clear	No	
10:34	17.71	330.00	1650.00	4.12	0.33	133.40	9.93	130.81	16.92	Clear	No	
10:39	17.81	330.00	1650.00	4.11	0.32	137.10	12.84	131.21	16.74	Clear	No	

Screen Interval: 11.0-26.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 10:40
Field Filtered: No
Purge Start Time: 10:19
Total Volume Purged (mL): 6600

Field Parameters

STABILIZED PARAMETERS	
pH	4.11
Spec. Cond.(µS/cm)	131.21
Turbidity (NTU)	12.84
Temp.(°C)	16.74
DO (mg/L)	0.32
ORP (mV)	137.10

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

Sample ID: CAP4Q22-LTW-01-111722
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED
Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	47.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-02	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: above screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 08:49

WATER VOLUME CALCULATION

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

Water Volume = 5.15

Initial Depth to Water (ft.): 8.29 Depth to Well Bottom (ft.): 40.48

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:32	8.41	300.00	1500.00	5.73	0.12	-32.70	4.08	69.22	16.18	Clear	No	
09:37	8.41	300.00	1500.00	5.52	0.03	-40.10	2.92	75.30	15.78	Clear	No	
09:42	8.41	300.00	1500.00	5.44	0.03	-38.10	2.97	76.25	16.22	Clear	No	
09:47	8.41	300.00	1500.00	5.37	0.03	-26.30	2.62	76.02	16.38	Clear	No	

Screen Interval: 28.0-38.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 09:50
Field Filtered: No
Purge Start Time: 09:27
Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	5.37
Spec. Cond.(µS/cm)	76.02
Turbidity (NTU)	2.62
Temp.(°C)	16.38
DO (mg/L)	0.03
ORP (mV)	-26.30

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

ALL PARAMETERS ANALYZED
Table 3+ (20)(LL) Including HPFO-DA |537 MOD (36)

Sample ID: CAP4Q22-LTW-02-111722
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	39.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 13:00

WATER VOLUME CALCULATION

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

Water Volume = 3.075

Initial Depth to Water (ft.): 13.36 Depth to Well Bottom (ft.): 32.58

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:36	13.79	210.00	1050.00	4.52	0.36	129.10	17.70	109.93	17.75	Clear	No	
13:41	13.84	210.00	1050.00	4.63	0.23	127.80	15.10	108.70	17.72	Clear	No	
13:46	13.91	210.00	1050.00	4.66	0.16	127.10	17.40	107.99	17.72	Clear	No	
13:51	13.96	210.00	1050.00	4.66	0.13	127.40	13.80	107.95	17.47	Clear	No	
13:56	14.00	210.00	1050.00	4.66	0.09	127.60	10.20	108.20	17.42	Clear	No	
14:01	14.04	210.00	1050.00	4.66	0.08	127.40	6.93	107.78	17.35	Clear	No	
14:06	13.97	210.00	1050.00	4.66	0.08	126.50	5.72	107.66	17.21	Clear	No	

Screen Interval:

15.0-30.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 14:10
Field Filtered: No

Purge Start Time: 13:31
Total Volume Purged (mL): 7350

Field Parameters

STABILIZED PARAMETERS	
pH	4.66
Spec. Cond.(µS/cm)	107.66
Turbidity (NTU)	5.72
Temp.(°C)	17.21
DO (mg/L)	0.08
ORP (mV)	126.50

SAMPLE SET

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

Sample ID: CAP4Q22-LTW-03-111722
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-04	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25.3
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 13:00

WATER VOLUME CALCULATION

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

Water Volume = 3.149

Initial Depth to Water (ft.): 8.57 Depth to Well Bottom (ft.): 28.25

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:12	8.97	200.00	1400.00	4.75	1.05	250.80	26.47	87.56	17.58	Clear	None	
13:17	9.57	200.00	1000.00	4.75	1.17	251.90	27.92	86.26	17.62	Clear	None	
13:22	11.20	200.00	1000.00	4.78	1.57	254.10	36.51	87.34	18.12	Clear	None	
13:27	11.50	200.00	1000.00	4.77	1.75	261.00	36.80	88.45	18.09	Clear	No	
13:32	11.84	200.00	1000.00	4.76	1.43	251.00	41.88	87.93	18.18	Clear	No	
13:37	12.15	200.00	1000.00	4.78	1.53	242.20	27.34	89.07	17.94	Clear	No	
13:42	12.44	200.00	1000.00	4.8	1.43	235.40	22.13	87.12	17.96	Clear	No	
13:47	12.69	200.00	1000.00	4.85	1.22	224.40	27.98	85.35	17.87	Clear	No	
13:52	12.98	200.00	1000.00	4.88	1.17	222.00	36.22	84.42	18.30	Clear	No	
13:57	13.23	200.00	1000.00	4.93	0.98	216.50	30.96	85.38	18.18	Clear	No	
14:02	13.42	110.00	550.00	4.95	0.79	203.00	42.22	84.70	17.87	Clear	No	
14:07	13.31	110.00	550.00	4.96	0.22	194.70	51.55	85.12	17.50	Clear	None	
14:12	13.17	110.00	550.00	4.96	0.18	199.80	43.56	85.31	17.44	Clear	None	
14:17	13.00	110.00	550.00	4.95	0.17	217.20	39.01	84.36	17.34	Clear	None	
14:22	12.84	110.00	550.00	4.97	0.15	229.20	31.30	84.48	16.96	Clear	None	
14:27	12.76	110.00	550.00	4.96	0.14	222.00	38.55	84.32	16.65	Clear	None	
14:32	12.65	110.00	550.00	4.95	0.14	211.10	32.13	84.42	16.10	Clear	None	
14:37	12.63	110.00	550.00	4.94	0.14	209.30	27.16	84.60	16.30	Clear	None	
14:42	11.58	110.00	440.00	5.03	0.27	195.80	20.20	85.78	16.18	Clear	None	
14:47	11.40	110.00	550.00	5.02	0.33	189.60	19.70	86.55	16.06	Clear	None	
14:57	10.95	110.00	1100.00	5	0.48	184.40	18.90	88.13	16.06	Clear	None	Pump stopped battery dead 1459

Screen Interval: 12.0-27.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 15:16
Field Filtered: No

Purge Start Time: 13:05
Total Volume Purged (mL): 4290

Field Parameters

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

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	52.00

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Sky:	Sunny
Precipitation:	None
Wind (mph)	13

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: LTW-05 | Well Diameter: 2 Inches

Samplers: ERIN JANIGA|KEN STUART | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-17-2022 | Time: 07:46

WATER VOLUME CALCULATION

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

Water Volume = 3.283

Initial Depth to Water (ft.): 9.48 | Depth to Well Bottom (ft.): 30

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
07:53	9.61	100.00	500.00	6.52	21.39	66.00	5.27	3.76	6.87	Clear	No	Recalibrating do
08:15	9.55	100.00	2200.00	5.17	0.28	56.90	1.88	121.80	13.31	Clear	No	
08:20	9.54	100.00	500.00	4.66	0.28	100.50	0.57	111.77	13.55	Clear	No	
08:26	9.54	100.00	600.00	4.57	0.31	83.60	0.99	109.97	14.17	Clear	No	
08:30	9.54	100.00	400.00	4.56	0.32	69.40	0.00	107.82	14.30	Clear	No	
08:35	9.54	100.00	500.00	4.5	0.35	62.50	0.00	106.25	14.29	Clear	No	
08:41	9.54	100.00	600.00	4.48	0.34	60.20	0.00	105.73	13.94	Clear	No	
08:45	9.54	100.00	400.00	4.46	0.32	60.30	0.00	106.22	14.67	Clear	No	

Screen Interval: 29.0-44.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow | Date: 11-17-2022 | Time: 08:45

Field Filtered: No

Purge Start Time: 07:48

Total Volume Purged (mL): 5700

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	106.22
Turbidity (NTU)	0.00
Temp.(°C)	14.67
DO (mg/L)	0.32
ORP (mV)	60.30

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

Sample ID: CAP4Q22-LTW-05-111722

DuplicateID: --

QA/QC: --

ALL PARAMETERS ANALYZED
Table 3+ (20)(HL) Including HFPO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	36.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	12:10	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-OLDOF-1-24-110922	11-09-2022 11:06		7.58	8.04	52.20	1.34	217.73	20.23	clear	no	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 12:06	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 11:06	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	11:59	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-OUTFALL 002-24-110922	11-09-2022 09:54		8.09	9.05	39.90	9.14	183.40	22.84	clear	no	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 10:54	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 09:54	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) inlcuding HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: OW-28 | Well Diameter: 2 Inches

Samplers: JAMIE MCGEE Kelly Hayes | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 28

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-16-2022 | Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 3.984

Initial Depth to Water (ft.): 8.41 | Depth to Well Bottom (ft.): 33.31

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:00	8.48	245.00	0.00	4.77	8.86	122.10	3.09	0.06	21.48	Clear	Yes	
12:05	8.42	245.00	1225.00	4.78	8.75	108.10	4.99	0.06	21.96	Clear	Yes	
12:10	8.43	245.00	1225.00	4.78	8.69	86.60	6.34	0.06	22.15	Clear	Yes	
12:15	8.43	245.00	1225.00	4.78	8.72	77.70	6.82	0.06	22.01	Clear	Yes	
12:20	8.43	245.00	1225.00	4.77	8.76	76.90	7.36	0.06	21.75	Clear	Yes	
12:25	8.43	245.00	1225.00	4.77	8.83	82.10	7.74	0.07	21.39	Clear	Yes	
12:30	8.43	245.00	1225.00	4.77	8.89	86.40	8.25	0.13	21.07	Clear	Yes	
12:35	8.43	245.00	1225.00	4.77	8.95	90.80	7.52	0.18	20.78	Clear	Yes	
12:40	8.43	245.00	1225.00	5.33	2.30	-84.50	1.24	48.45	18.68	Clear	Yes	
12:44	8.43	245.00	980.00	4.87	0.17	-93.10	4.61	43.10	18.39	Clear	Yes	
12:50	8.43	245.00	1470.00	4.53	0.12	-67.40	6.22	47.34	18.27	Clear	Yes	
12:55	8.43	245.00	1225.00	4.51	0.09	-59.80	5.12	47.74	17.98	Clear	Yes	
13:00	8.43	245.00	1225.00	4.5	0.10	-56.80	2.80	48.26	17.75	Clear	Yes	
13:05	8.79	245.00	1225.00	4.5	0.11	-55.80	7.23	48.09	17.83	Clear	Yes	
13:10	8.80	245.00	1225.00	4.5	0.07	-55.20	1.85	48.38	17.71	Clear	Yes	
13:15	8.80	245.00	1225.00	4.5	0.07	-55.00	0.23	48.23	17.60	Clear	Yes	
13:20	8.80	245.00	1225.00	4.5	0.07	-55.50	0.61	48.35	17.61	Clear	Yes	

Screen Interval: --

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow | Date: 11-16-2022 | Time: 13:20

Field Filtered: No

Purge Start Time: 12:00

Total Volume Purged (mL): 19600

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	48.35
Turbidity (NTU)	0.61
Temp.(°C)	17.61
DO (mg/L)	0.07
ORP (mV)	

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

Sample ID: CAP4Q22-OW-28-111622

DuplicateID: --

QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: OW-33 | Well Diameter: 2 Inches

Samplers: JAMIE MCGEE Kelly Hayes | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 28

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-16-2022 | Time: 10:05

WATER VOLUME CALCULATION

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

Water Volume = 3.792

Initial Depth to Water (ft.): 8.12 | Depth to Well Bottom (ft.): 31.82

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:10	8.20	250.00	0.00	7.15	0.52	-183.40	4.13	390.58	17.43	Clear	Yes	
10:15	8.22	250.00	1250.00	5.7	0.13	-170.70	5.58	89.20	17.90	Clear	Yes	
10:20	8.22	250.00	1250.00	5.01	0.14	-102.70	1.41	67.65	17.78	Clear	Yes	
10:25	8.21	250.00	1250.00	4.87	0.14	-73.70	0.46	66.97	17.45	Clear	Yes	
10:30	8.22	250.00	1250.00	4.89	0.10	-64.50	0.34	65.83	17.63	Clear	Yes	
10:35	8.22	250.00	1250.00	4.76	0.14	-57.90	0.18	59.98	17.58	Clear	Yes	
10:40	8.22	250.00	1250.00	4.67	0.12	-52.50	2.82	57.44	17.23	Clear	Yes	
10:45	8.22	250.00	1250.00	4.63	0.10	-50.40	11.30	56.67	17.53	Clear	Yes	
10:50	8.22	250.00	1250.00	4.62	0.10	-47.40	11.90	56.81	17.58	Clear	Yes	
10:55	8.22	250.00	1250.00	4.61	0.10	-43.00	11.84	56.34	17.57	Clear	Yes	

Screen Interval: --

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Purge Start Time: 10:10

Method: Low Flow | Date: 11-16-2022 | Time: 10:55 | Total Volume Purged (mL): 11250

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.61
Spec. Cond.(µS/cm)	56.34
Turbidity (NTU)	11.84
Temp.(°C)	17.57
DO (mg/L)	0.10
ORP (mV)	-43.00

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

Sample ID: CAP4Q22-OW-33-111622

DuplicateID: --

QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	10

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	KAYTLYN MARINGER|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	27				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	11-18-2023	Time:	11:01

WATER VOLUME CALCULATION

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

Water Volume =	1.85		
Initial Depth to Water (ft.):	19.94	Depth to Well Bottom (ft.):	31.5

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	20.00	250.00	2500.00	6.59	1.16	59.70	24.14	106.14	15.31	Clear	Yes	
11:35	19.99	250.00	1250.00	5.14	0.59	214.00	15.66	98.71	15.23	Clear	Yes	
11:40	20.00	250.00	1250.00	3.96	0.34	234.40	24.70	105.42	15.55	Clear	Yes	
11:45	20.00	250.00	1250.00	3.83	0.00	229.80	122.00	107.75	15.53	Cloudy	No	
11:50	20.00	250.00	1250.00	3.8	0.18	226.30	237.00	110.35	15.73	Cloudy	Yes	
11:55	20.00	250.00	1250.00	3.78	0.14	240.00	173.00	111.13	16.10	Cloudy	Yes	
12:00	20.00	250.00	1250.00	3.74	0.06	248.10	129.00	111.23	16.27	Cloudy, tan	No	
12:05	20.00	250.00	1250.00	3.74	0.02	258.00	102.00	111.11	16.22	Clear, tan	No	
12:10	20.00	250.00	1250.00	3.72	0.00	264.90	67.00	111.36	16.24	Clear	Yes	
12:15	20.00	250.00	1250.00	3.71	0.16	274.70	61.70	111.29	16.37	Clear	Yes	
12:20	20.00	250.00	1250.00	3.72	0.11	279.70	40.20	111.39	16.30	Clear	Yes	
12:25	20.00	250.00	1250.00	3.72	0.00	275.10	35.80	110.87	16.46	Clear	No	
12:30	20.00	250.00	1250.00	3.72	0.09	283.00	30.90	110.99	16.67	Clear	No	
12:35	20.00	250.00	1250.00	3.72	0.00	294.00	27.30	111.14	16.91	Clear	Yes	
12:40	20.00	250.00	1250.00	3.71	0.00	301.00	21.50	111.22	16.94	Clear	No	
12:45	20.00	250.00	1250.00	3.71	0.11	309.10	23.30	111.04	16.95	Clear	Yes	
12:50	20.00	250.00	1250.00	3.72	0.09	314.10	14.90	98.02	16.75	Clear	Yes	
12:55	20.00	250.00	1250.00	3.71	0.09	328.40	13.90	98.25	16.60	Clear	Yes	
13:10	20.00	250.00	3750.00	3.71	0.08	349.60	4.44	110.96	16.77	Clear	Yes	
13:15	20.00	250.00	1250.00	3.7	0.09	355.30	2.41	110.82	16.88	Clear	Yes	
13:20	20.00	250.00	1250.00	3.71	0.09	357.70	1.77	110.51	16.91	Clear	Yes	

Screen Interval:

24.5 to 29.5

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method:	Low Flow	Date:	11-18-2022	Time:	13:20
Field Filtered:	No				

Purge Start Time:	11:20
Total Volume Purged (mL):	30000

Field Parameters

STABILIZED PARAMETERS	
pH	3.71
Spec. Cond.(µS/cm)	110.51
Turbidity (NTU)	1.77
Temp.(°C)	16.91
DO (mg/L)	0.09
ORP (mV)	357.70

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

Sample ID:	CAP4Q23-PIW-1D-111822
DuplicateID:	--
QA/QC:	--

ALL PARAMETERS ANALYZED
Table 3+ (20)(LL) Including HPFO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	46.00

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Sky:	Sunny
Precipitation:	None
Wind (mph)	--

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:
Pump Loc: bottom of well
Method: Bailer Date: 11-15-2022 Time: 12:03

WATER VOLUME CALCULATION

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

Water Volume = 0.021

Initial Depth to Water (ft.): 21.79 Depth to Well Bottom (ft.): 21.92

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:10	--	--	0.00	--	--	--	--	--	--	--	--	Well is dry, couldn't get any liquid with bailer.

Screen Interval: 7.8 - 17.8

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Purge Start Time: 12:10
Method: -- Date: -- Time: -- Total Volume Purged (mL): 0
Field Filtered: --

Field Parameters

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

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

ALL PARAMETERS ANALYZED
N/A

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

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 10:50

WATER VOLUME CALCULATION

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

Water Volume = 1.411

Initial Depth to Water (ft.): 17.8 Depth to Well Bottom (ft.): 26.62

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:07	18.17	330.00	1650.00	4.71	0.12	22.90	45.98	81.69	15.83	Clear	No	
11:12	18.19	330.00	1650.00	4.72	0.15	3.50	80.72	81.12	16.13	Clear	No	
11:17	18.12	330.00	1650.00	4.71	0.04	-22.50	3.55	80.97	16.31	Clear	No	
11:22	18.15	330.00	1650.00	4.71	0.07	-23.00	1.78	80.40	16.07	Clear	No	
11:27	18.15	330.00	1650.00	4.72	0.06	-6.30	1.46	80.33	16.19	Clear	Egg/sulfur smell	

Screen Interval:
19 - 24

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 11:30
Field Filtered: No
Purge Start Time: 11:02
Total Volume Purged (mL): 8250

Field Parameters

STABILIZED PARAMETERS	
pH	4.72
Spec. Cond.(µS/cm)	80.33
Turbidity (NTU)	1.46
Temp.(°C)	16.19
DO (mg/L)	0.06
ORP (mV)	-6.30

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

ALL PARAMETERS ANALYZED
Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

Sample ID: CAP4Q22-PIW-3D-111722
DuplicateID: --
QA/QC: --

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7D	Well Diameter:	2 Inches
Samplers:	JAMIE MCGEE|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 29
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-16-2022 Time: 15:11

WATER VOLUME CALCULATION

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

Water Volume = 5.01

Initial Depth to Water (ft.): 5.58 Depth to Well Bottom (ft.): 36.89

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:10	5.61	250.00	0.00	4.58	0.33	-28.00	35.67	92.37	17.22	Clear	Sulfur smelling	
15:15	5.61	250.00	1250.00	4.23	0.38	49.50	36.13	98.77	17.19	Clear	Sulfur	
15:20	5.61	250.00	1250.00	4.19	0.00	68.30	21.00	99.57	17.22	Clear	Sulfur	
15:25	5.61	250.00	1250.00	4.22	0.00	81.20	19.08	100.44	17.25	Clear	Sulfur	
15:30	5.61	250.00	1250.00	4.23	0.11	73.30	10.49	100.31	17.26	Clear	Sulfur	
15:35	5.61	250.00	1250.00	4.23	0.00	81.30	4.16	100.19	17.31	Clear	Sulfur	
15:40	5.61	250.00	1250.00	4.25	0.06	71.30	1.36	110.30	17.19	Clear	Yes	
15:45	5.61	250.00	1250.00	4.24	0.00	77.90	0.58	100.58	17.18	Clear	Sulfur	
15:50	5.61	250.00	1250.00	4.23	0.00	71.50	0.01	100.96	17.30	Clear	Sulfur	
15:55	5.62	250.00	1250.00	4.23	0.00	81.90	0.01	101.11	17.27	Clear	Sulfur	
16:00	5.62	250.00	1250.00	4.23	0.00	103.00	0.17	101.59	17.18	Clear	Sulfur	
16:05	5.62	250.00	1250.00	4.23	0.00	97.00	0.15	101.71	17.18	Clear	Sulfur	
16:10	5.62	250.00	1250.00	4.22	0.00	95.10	0.14	101.87	17.16	Clear	Sulfur	

Screen Interval:

29 - 34

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-16-2022 Time: 16:10
Field Filtered: No

Purge Start Time: 15:10
Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	4.22
Spec. Cond.(µS/cm)	101.87
Turbidity (NTU)	0.14
Temp.(°C)	17.16
DO (mg/L)	0.00
ORP (mV)	95.10

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

ALL PARAMETERS ANALYZED
Table 3+ (20)(HL) Including HPFO-DA |537 MOD (36)

Sample ID: CAP4Q22-PIW-7D-111622
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	59.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	6

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PIW-7S | Well Diameter: 2 Inches

Samplers: ERIN JANIGA|KEN STUART | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth:

Pump Loc: within screen

Method: Peristaltic Pump | Date: 11-17-2022 | Time: 09:32

WATER VOLUME CALCULATION

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

Water Volume = 2.266

Initial Depth to Water (ft.): 5.34 | Depth to Well Bottom (ft.): 19.5

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:35	5.70	220.00	220.00	5.42	0.49	5.30	5.72	138.63	15.05	Clear	Slight odor	
09:40	5.75	220.00	1100.00	5.43	0.26	-28.60	14.19	138.40	15.23	Clear	Slight odor	
09:45	5.76	220.00	1100.00	5.46	0.21	-23.40	18.33	140.53	15.22	Clear	Slight odor	
09:52	5.79	220.00	1540.00	5.48	0.19	-32.10	10.64	139.49	15.15	Clear	Slight odor	
09:57	5.80	220.00	1100.00	5.47	0.17	-36.00	6.48	139.30	15.59	Clear	Slight odor	
09:59	5.80	220.00	440.00	5.47	0.16	-35.50	3.21	138.90	15.72	Clear	Slight	
10:05	5.80	220.00	1320.00	5.47	0.15	-35.50	1.69	138.39	15.97	Clear	Slight	
10:10	5.80	220.00	1100.00	5.48	0.15	-37.30	0.40	138.33	16.09	Clear	Slight	

Screen Interval: 7 - 17

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow | Date: 11-17-2022 | Time: 10:10

Field Filtered: No

Purge Start Time: 09:34

Total Volume Purged (mL): 7920

Field Parameters

STABILIZED PARAMETERS	
pH	5.48
Spec. Cond.(µS/cm)	138.33
Turbidity (NTU)	0.40
Temp.(°C)	16.09
DO (mg/L)	0.15
ORP (mV)	-37.30

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

Sample ID: CAP4Q22-PIW-7S-111722

DuplicateID: --

QA/QC: --

ALL PARAMETERS ANALYZED
Table 3+ (20)(HL) Including HFPO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	45.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

RECORD OF WELL SAMPLING

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

Samplers: BRANDON WEIDNER | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30

Pump Loc: bottom of well

Method: Bailer | Date: 11-15-2022 | Time: 10:45

WATER VOLUME CALCULATION

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

Water Volume = 0.131

Initial Depth to Water (ft.): 29.99 | Depth to Well Bottom (ft.): 30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:36	29.99	300.00	300.00	5.63	4.54	63.20	33.07	884.09	17.98	Cloudy	NA	Well went dry
11:16	--	250.00	550.00	3.42	4.22	292.70	49.44	587.28	17.61	Cloudy	NA	11/16/22, returned to purge
16:10	--	60.00	610.00	--	--	--	--	--	--	--	--	11/16/22, returned to purge
08:10	--	255.00	865.00	5.77	0.15	-43.40	151.93	2073.10	13.02	Cloudy	NA	11/17/22, returned to purge - confirmed with C. Crea that field team did not need 5 full well volumes
13:50	--	350.00	1215.00	--	--	--	--	--	--	--	--	Final purge on 11/18/22
11:00	--	350.00	1215.00	4.21	1.02	170.70	56.50	1447.20	16.09	Clear	NA	Sample Parameters

Screen Interval: 17 - 27

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Five Well Volumes | Date: 11-21-2022 | Time: 11:00

Field Filtered: Yes

Purge Start Time: 11:35

Total Volume Purged (mL): 1215

Field Parameters

STABILIZED PARAMETERS	
pH	4.21
Spec. Cond.(µS/cm)	1447.20
Turbidity (NTU)	56.50
Temp.(°C)	16.09
DO (mg/L)	1.02
ORP (mV)	170.70

SAMPLE SET

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

Sample ID: CAP4Q22-PW-04-112122

DuplicateID: CAP4Q22-PW-04-112122-Z

QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+(20) HL including HFPO-DA| 537 Mod (36)

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-06	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 28
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-15-2022 Time: 13:13

WATER VOLUME CALCULATION

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

Water Volume = 1.96

Initial Depth to Water (ft.): 20.6 Depth to Well Bottom (ft.): 32.85

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:40	21.69	240.00	3360.00	4.6	6.82	173.10	0.45	60.01	17.47	Clear	No	
13:45	21.73	240.00	1200.00	4.43	6.43	212.80	0.07	59.34	17.58	Clear	No	
13:50	21.78	240.00	1200.00	4.42	6.29	226.60	0.00	64.68	17.62	Clear	No	
13:55	21.79	240.00	1200.00	4.37	5.89	241.80	0.00	63.03	17.57	Clear	No	
14:00	21.79	240.00	1200.00	4.34	5.67	251.90	0.00	61.69	17.72	Clear	No	
14:05	21.79	240.00	1200.00	4.29	5.51	257.60	0.00	61.56	17.87	Clear	No	

Screen Interval: 19 - 29

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-15-2022 Time: 14:10
Field Filtered: No

Purge Start Time: 13:26
Total Volume Purged (mL): 9360

Field Parameters

STABILIZED PARAMETERS	
pH	4.29
Spec. Cond.(µS/cm)	61.56
Turbidity (NTU)	0.00
Temp.(°C)	17.87
DO (mg/L)	5.51
ORP (mV)	257.60

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

ALL PARAMETERS ANALYZED
Table 3+ (20)(LL) Including HPFO-DA |537 MOD (36)

Sample ID: CAP4Q22-PW-06-111522
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	4

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-07	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: NA
Pump Loc: NA
Method: Bailer Date: 11-15-2023 Time: 12:50

WATER VOLUME CALCULATION

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

Water Volume = 0.003

Initial Depth to Water (ft.): 41.76 Depth to Well Bottom (ft.): 41.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55			0.00									Not enough water in well to bail out, well is dry

Screen Interval: 28 - 38

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez

Sampling Data

Method: NA Date: NA Time: NA
Field Filtered: NA

Purge Start Time: 12:55
Total Volume Purged (mL): 0

Field Parameters

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

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

ALL PARAMETERS ANALYZED

Sample ID: NA
DuplicateID: NA
QA/QC: NA

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	4

RECORD OF WELL SAMPLING

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

Samplers: KELLY HAYES|TAYLOR CRITTENDEN | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 50

Pump Loc: within screen

Method: Double valve pump | Date: 11-17-2022 | Time: 10:13

WATER VOLUME CALCULATION

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

Water Volume = 5.154

Initial Depth to Water (ft.): 25.49 | Depth to Well Bottom (ft.): 57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:15	27.59	440.00	3520.00	12.41	5.98	-33.30	6.96	543.34	16.04	clear	no	
10:20	29.17	340.00	1700.00	12.82	1.92	-189.20	6.14	792.98	15.94	clear	no	
10:25	29.39	340.00	1700.00	12.85	1.35	-209.90	24.47	653.02	16.07	clear	no	
10:30	29.52	340.00	1700.00	11.23	1.13	-188.40	103.50	184.20	16.12	cloudy	no	
10:35	29.61	340.00	1700.00	10.63	1.14	-187.50	144.70	151.44	16.06	cloudy	no	
10:40	29.64	340.00	1700.00	10.58	0.96	-202.60	108.68	148.27	16.29	cloudy	no	
10:45	29.66	340.00	1700.00	9.84	0.77	-209.50	128.22	119.71	16.04	cloudy	no	
10:50	29.66	340.00	1700.00	9.49	0.56	-207.20	124.67	113.69	16.12	cloudy	no	
10:55	29.71	340.00	1700.00	8.85	0.78	-198.30	113.28	107.57	16.18	cloudy	no	
11:00	29.72	340.00	1700.00	8.49	0.56	-187.70	118.73	102.66	16.39	clear	no	
11:05	29.73	340.00	1700.00	8.12	0.58	-182.10	110.40	96.28	16.33	clear	no	
11:10	29.72	340.00	1700.00	7.97	0.76	-180.10	103.60	94.33	16.23	cloudy	no	
11:15	29.72	340.00	1700.00	7.86	0.57	-180.20	92.83	93.12	16.19	cloudy	no	
11:20	29.72	340.00	1700.00	7.77	0.54	-177.60	71.65	90.58	16.25	cloudy	no	
11:25	29.72	340.00	1700.00	7.72	0.49	-178.00	93.13	89.73	16.25	cloudy	no	
11:30	29.72	340.00	1700.00	7.56	0.43	-177.20	106.69	87.56	16.40	cloudy	no	
11:35	29.72	340.00	1700.00	7.51	0.39	-176.80	88.29	85.56	16.26	cloudy	no	
11:40	29.72	340.00	1700.00	7.16	0.39	-177.80	85.35	84.18	16.30	cloudy	no	
11:45	29.68	340.00	1700.00	7.42	0.39	-175.80	69.39	83.23	16.25	cloudy	no	
11:50	29.68	340.00	1700.00	7.39	0.30	-176.70	81.14	82.02	16.53	cloudy	no	
11:55	29.68	340.00	1700.00	7.36	0.41	-175.60	70.77	81.53	16.43	cloudy	no	
12:00	29.68	340.00	1700.00	7.35	0.37	-176.20	57.18	80.47	16.18	cloudy	no	
12:05	29.68	340.00	1700.00	7.3	0.33	-177.00	53.85	79.86	16.51	cloudy	no	
12:10	29.68	340.00	1700.00	7.27	0.36	-175.30	64.03	79.64	16.41	cloudy	no	
12:15	29.68	340.00	1700.00	7.26	0.35	-175.90	53.59	78.75	16.33	cloudy	no	
12:20	29.68	340.00	1700.00	7.21	0.38	-174.90	61.35	77.69	16.52	cloudy	no	
12:25	29.68	340.00	1700.00	7.28	0.40	-138.50	46.97	78.61	16.33	cloudy	no	
12:30	29.95	500.00	2500.00	7.79	2.57	-126.50	47.26	88.02	16.74	cloudy	no	increased flow to try for 5 well volume
12:35	30.66	500.00	2500.00	7.83	3.38	-109.00	39.80	84.00	16.70	cloudy	no	
12:40	31.38	500.00	2500.00	0.58	2.51	-114.10	42.41	81.05	16.82	cloudy	no	

Screen Interval: 44 - 54

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Five Well Volume | Date: 11-17-2022 | Time: 11:19

Field Filtered: Yes

Purge Start Time: 10:07

Total Volume Purged (mL): 55220

Field Parameters

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

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

ORP (mV)	--

Sample ID:	CAP4Q22-PW-09-111722
DuplicateID:	--
QA/QC:	--

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

ALL PARAMETERS ANALYZED
N/A

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 50
Pump Loc: within screen
Method: Double valve pump Date: 11-17-2022 Time: 12:41

WATER VOLUME CALCULATION

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

Water Volume = 5.154

Initial Depth to Water (ft.): 25.49 Depth to Well Bottom (ft.): 57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:45	31.71	500.00	2500.00	7.44	1.85	-122.50	55.51	79.40	16.73	cloudy	no	
12:50	31.98	500.00	2500.00	7.3	1.21	-131.70	57.86	77.15	16.71	cloudy	no	
12:55	32.01	500.00	2500.00	7.26	0.93	-138.30	50.15	76.72	16.80	cloudy	no	
13:00	32.08	500.00	2500.00	7.21	0.67	-145.50	66.25	74.88	16.76	cloudy	no	
13:05	32.10	500.00	2500.00	7.17	0.54	-149.50	61.99	75.19	16.84	cloudy	no	
13:10	32.16	500.00	2500.00	7.17	0.53	-154.10	58.36	73.71	16.78	cloudy	no	
13:15	32.17	500.00	2500.00	7.12	0.46	-156.20	53.30	73.43	16.79	cloudy	no	
13:20	32.17	500.00	2500.00	7.1	0.48	-156.10	62.22	72.46	16.83	cloudy	no	
13:25	32.21	500.00	2500.00	7.08	0.44	-154.40	58.04	71.86	16.88	cloudy	no	
13:30	32.21	500.00	2500.00	7.07	0.52	-154.10	52.55	71.47	16.80	cloudy	no	
13:35	32.19	500.00	2500.00	7.05	0.43	-154.20	56.76	70.83	16.96	cloudy	no	
13:40	32.21	500.00	2500.00	7.04	0.55	-152.50	64.08	70.46	16.88	cloudy	no	
13:45	32.22	500.00	2500.00	7.03	0.50	-152.20	58.81	84.00	16.85	cloudy	no	
13:50	32.22	500.00	2500.00	7.02	0.44	-154.40	63.87	70.86	16.77	cloudy	no	
13:55	32.22	500.00	2500.00	7.01	0.55	-152.20	49.60	69.57	16.78	cloudy	no	
14:00	32.21	500.00	2500.00	7.02	0.47	-150.40	45.40	69.49	16.82	cloudy	no	
14:05	32.22	500.00	2500.00	7.01	0.52	-149.30	57.85	69.49	16.83	cloudy	no	

Screen Interval: 44 - 54

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Five Well Volume Date: 11-17-2022 Time: 14:05
Field Filtered: Yes

Purge Start Time: 10:07
Total Volume Purged (mL): 97700

Field Parameters

STABILIZED PARAMETERS	
pH	7.01
Spec. Cond.(µS/cm)	69.49
Turbidity (NTU)	57.85
Temp.(°C)	16.83
DO (mg/L)	0.52
ORP (mV)	-149.30

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

Sample ID: CAP4Q22-PW-09-111722
DuplicateID: CAP4Q22-PW-09-11172-Z
QA/QC: --

ALL PARAMETERS ANALYZED

537 MOD (36)|Table 3+ (20)(HL) Including HFPO-DA

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	.75 Inches
Samplers:	ERIN JANIGA|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-17-2022 Time: 10:33

WATER VOLUME CALCULATION

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

Water Volume = 0.39

Initial Depth to Water (ft.): 7.25 Depth to Well Bottom (ft.): 50.61

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:34	7.27	120.00	0.00	4.78	1.00	135.00	63.18	103.55	14.62	Clear	No	
10:46	7.25	120.00	1440.00	4.7	0.48	131.30	8.63	102.22	14.58	Clear	No	
10:52	7.29	120.00	720.00	4.68	0.40	132.00	2.07	102.87	14.60	Clear	No	
10:57	7.29	120.00	600.00	4.67	0.33	125.60	0.18	102.80	14.67	Clear	No	
11:02	7.29	120.00	600.00	4.66	0.30	124.60	0.43	102.66	14.96	Clear	No	
11:07	7.29	120.00	600.00	4.66	0.28	119.00	0.04	102.47	14.54	Clear	No	
11:12	7.29	120.00	600.00	4.66	0.27	116.80	0.00	102.43	14.39	Clear	No	
11:17	7.29	120.00	600.00	4.65	0.25	113.40	0.00	102.78	14.78	Clear	No	
11:22	7.29	120.00	600.00	4.65	0.25	127.00	0.00	102.80	15.00	Clear	No	
11:26	7.29	120.00	480.00	4.65	0.23	127.90	0.00	102.55	14.63	Clear	No	
11:31	7.29	120.00	600.00	4.64	0.22	129.80	0.00	102.75	14.89	Clear	No	

Screen Interval: 36.0-46.0

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-17-2022 Time: 11:31
Field Filtered: No

Purge Start Time: 10:34
Total Volume Purged (mL): 6840

Field Parameters

STABILIZED PARAMETERS	
pH	4.64
Spec. Cond.(µS/cm)	102.75
Turbidity (NTU)	0.00
Temp.(°C)	14.89
DO (mg/L)	0.22
ORP (mV)	129.80

SAMPLE SET

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

Sample ID: CAP1Q22-PZ-22-111722
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+ (20)(HL) Including HFPO-DA |537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	49.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	11:55	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-110922	11-09-2022 07:06		8.34	6.07	12.60	9.89	200.25	21.38	clear	no	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 09:06	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 08:06	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RM-76	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	10:24	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
4Q22CAP-RM-76-110822	11-08-2022 10:35		7.51	1.85	87.80	5.94	2353.40	19.92	Yellow tint	No	--	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10.5	Distance to River Right:	61
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	20
Total Depth to Bottom of Channel (ft):	21	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

537 Mod (36); Table 3+ (20)(LL) Including HFPO-DA

WEATHER CONDITIONS

Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	17

Latitude:	34.8539714981195
Longitude:	-78.8270021137584

GPS Location (if collected)

River Left

River Right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	11:47	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22SEEP-A-24-110922	11-09-2022 08:54		7.53	5.24	1.80	0.24	193.54	19.08	clear	no	DUP|MS|MSD	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 09:54	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 08:54	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	12:03	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-SEEP-B-24-110922	11-09-2022 09:24		7.64	4.00	32.30	0.14	128.49	20.96	clear	no	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 10:24	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 09:24	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS	
Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	12:06	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-SEEP-C-24-110922	11-09-2022 10:06		8.08	3.56	32.60	0.46	128.49	20.96	clear	no	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 11:06	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 10:06	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	13:09	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-SEEP-D-24-110922	11-09-2022 11:26		7.10	3.20	54.10	4.01	168.47	22.50	clear	no	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 12:26	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 11:26	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) inlcuding HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KAYTLYN MARINGER|TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 45
Pump Loc: within screen
Method: Double valve pump Date: 11-16-2022 Time: 12:40

WATER VOLUME CALCULATION

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

Water Volume = 3.568

Initial Depth to Water (ft.): 29.75 Depth to Well Bottom (ft.): 52.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:40	29.75	250.00	1250.00	5.19	0.56	116.70	10.64	84.64	16.86	Clear	No	
12:45	29.76	250.00	1250.00	5.31	0.25	121.20	8.32	84.59	16.90	Clear	No	
12:50	29.76	250.00	1250.00	5.35	0.16	117.90	7.43	85.02	16.84	Clear	No	
12:55	29.76	250.00	1250.00	5.38	0.11	114.50	5.66	85.03	16.98	Clear	No	
13:00	29.76	250.00	1250.00	5.39	0.09	112.30	5.19	85.17	17.09	Clear	No	
13:05	29.76	250.00	1250.00	5.4	0.07	111.20	4.38	85.15	16.99	Clear	No	
13:10	29.75	250.00	1250.00	5.4	0.06	105.50	4.97	85.17	17.13	Clear	No	
13:15	29.75	250.00	1250.00	5.4	0.06	96.20	2.77	85.35	17.26	Clear	No	
13:20	29.75	250.00	1250.00	5.4	0.05	85.70	3.20	85.14	17.15	Clear	No	
13:25	29.75	250.00	1250.00	5.41	0.04	74.80	3.26	85.00	17.34	Clear	No	
13:30	29.75	250.00	1250.00	5.41	0.04	66.10	4.36	84.92	17.26	Clear	No	
13:35	29.75	250.00	1250.00	5.4	0.04	58.70	9.34	84.67	17.21	Clear	No	
13:40	29.75	250.00	1250.00	5.41	0.04	50.90	15.99	84.60	17.19	Clear	No	
13:45	29.75	250.00	1250.00	5.41	0.04	43.60	25.10	84.38	17.22	Clear	No	
13:50	29.75	250.00	1250.00	5.41	0.04	37.90	16.93	83.51	17.22	Clear	No	
13:55	29.75	250.00	1250.00	5.45	3.20	66.00	2.03	90.82	17.30	Clear	No	Started grab parameters vs flow through cell
14:00	29.75	250.00	1250.00	6.08	2.23	39.60	1.38	102.35	17.10	Clear	No	
14:05	29.75	250.00	1250.00	5.55	1.75	52.00	0.77	88.33	16.92	Clear	No	
14:10	29.75	250.00	1250.00	5.48	0.22	60.00	0.80	80.56	17.17	Clear	No	
14:15	29.75	250.00	1250.00	5.44	0.00	45.20	0.32	79.44	17.18	Clear	No	
14:20	29.75	250.00	1250.00	5.41	0.00	34.80	0.50	80.06	17.09	Clear	No	
14:25	29.75	130.00	650.00	5.43	0.03	29.40	1.22	78.94	17.03	Clear	No	
14:30	29.75	130.00	650.00	5.42	0.03	31.50	1.55	84.73	16.80	Clear	No	
14:35	29.75	130.00	650.00	5.43	0.03	28.10	1.99	84.97	16.72	Clear	No	
14:40	29.75	130.00	650.00	5.43	0.03	23.20	3.22	84.84	16.67	Clear	No	
14:45	29.75	130.00	650.00	5.43	0.03	19.20	5.33	84.73	16.70	Clear	No	
14:50	29.75	130.00	650.00	5.42	0.03	18.40	3.77	84.55	16.80	Clear	No	started a new form for additional parameters

Screen Interval:

39 to 49

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-16-2022 Time: 15:00
Field Filtered: No

Purge Start Time: 12:35
Total Volume Purged (mL): 30150

Field Parameters

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

SAMPLE SET

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

Sample ID:	CAP4Q22-SMW-10-111622
DuplicateID:	--
QA/QC:	--

WEATHER CONDITIONS	
Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

ALL PARAMETERS ANALYZED
N/A

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	TAYLOR CRITTENDEN	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 40
Pump Loc: within screen
Method: Double valve pump Date: 11-16-2022 Time: 15:00

WATER VOLUME CALCULATION

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

Water Volume = 3.568

Initial Depth to Water (ft.): 29.75 Depth to Well Bottom (ft.): 52.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:01	29.72	640.00	0.00	5.42	0.46	10.50	8.14	83.64	17.31	clear	no	decided to alter sampling method to five well volume
15:05	29.72	640.00	2560.00	5.42	0.38	8.20	14.48	83.89	17.31	clear	no	
15:10	29.75	640.00	3200.00	5.43	0.35	5.90	1.54	83.44	17.26	clear	no	
15:15	29.75	640.00	3200.00	5.43	0.34	4.00	1.43	83.09	17.25	clear	no	
15:20	29.75	720.00	3600.00	5.42	1.11	13.70	1.21	83.32	17.34	clear	no	
15:25	29.75	720.00	3600.00	5.42	0.78	9.60	1.47	83.83	17.33	clear	no	
15:30	29.75	720.00	3600.00	5.42	0.68	11.40	1.15	83.50	17.35	clear	no	
15:35	29.75	720.00	3600.00	5.43	0.65	6.30	1.17	83.32	17.25	clear	no	
15:40	29.75	720.00	3600.00	5.42	0.74	4.20	1.01	83.29	17.31	clear	no	
15:45	29.75	720.00	3600.00	5.41	0.77	1.90	1.65	84.80	17.31	clear	no	
15:50	29.75	720.00	3600.00	5.42	0.70	1.50	1.05	81.74	17.85	clear	no	
15:55	29.75	720.00	3600.00	5.41	0.67	81.28	0.77	81.45	17.28	clear	no	

Screen Interval: 39 to 49

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Five Well Volume Date: 11-17-2022 Time: 15:55
Field Filtered: No

Purge Start Time: 12:35
Total Volume Purged (mL): 67910

Field Parameters

STABILIZED PARAMETERS	
pH	5.41
Spec. Cond.(µS/cm)	81.45
Turbidity (NTU)	0.77
Temp.(°C)	17.28
DO (mg/L)	0.67
ORP (mV)	81.28

SAMPLE SET

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

Sample ID: CAP4Q22-SMW-10-111722
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

537 MOD (36)|Table 3+ (20)(HL) Including HFPO-DA

WEATHER CONDITIONS

Temperature (F):	--
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	|KAYTLYN MARINGER|ERIN JANIGA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 11-16-2022 Time: 10:04

WATER VOLUME CALCULATION

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

Water Volume = 1.71

Initial Depth to Water (ft.): 15.11 Depth to Well Bottom (ft.): 25.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:10	15.19	230.00	690.00	7.09	4.88	24.80	1.77	102.09	16.77	Clear	No	
10:15	15.19	230.00	1150.00	4.61	4.85	65.50	0.86	50.75	16.84	Clear	No	
10:20	15.19	230.00	1150.00	4.19	4.88	120.20	0.00	51.10	16.81	Clear	No	
10:25	15.19	230.00	1150.00	4.13	4.68	155.20	0.00	51.25	16.92	Clear	No	
10:30	15.19	230.00	1150.00	4.14	4.68	166.70	0.00	51.20	16.91	Clear	No	
10:35	15.19	230.00	1150.00	4.14	4.70	176.40	0.17	51.64	16.96	Clear	No	
10:40	15.19	230.00	1150.00	4.16	4.70	181.50	0.00	51.31	16.97	Clear	No	

Screen Interval:

13 to 23

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-16-2022 Time: 10:40
Field Filtered: No

Purge Start Time: 10:07
Total Volume Purged (mL): 7590

Field Parameters

STABILIZED PARAMETERS	
pH	4.16
Spec. Cond.(µS/cm)	51.31
Turbidity (NTU)	0.00
Temp.(°C)	16.97
DO (mg/L)	4.70
ORP (mV)	181.50

SAMPLE SET

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

Sample ID: CAP4Q22-SMW-11-111622
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) Including HPFO-DA \|537 MOD (36)

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	KEN STUART Kelly Hayes	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 96
Pump Loc: within screen
Method: Double valve pump Date: 11-15-2022 Time: 15:25

WATER VOLUME CALCULATION

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

Water Volume = 2.626

Initial Depth to Water (ft.): 85.35 Depth to Well Bottom (ft.): 101.76

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:25	85.27	220.00	24860.00	3.75	1.01	59.20	14.20	291.05	16.62	Clear	Odor	
15:30	85.29	220.00	1100.00	3.71	1.29	45.60	8.19	288.16	16.79	Clear	Yes	
15:35	85.29	220.00	1100.00	3.71	1.41	44.60	7.14	285.18	16.70	Clear	Yes	
15:40	85.29	220.00	1100.00	3.71	1.51	40.30	5.26	286.92	16.70	Clear	Yes	
15:45	85.29	220.00	1100.00	3.71	1.36	34.20	4.01	286.57	16.70	Clear	Yes	
15:50	85.29	220.00	1100.00	3.71	1.50	31.90	2.98	286.21	16.61	Clear	Yes	
15:55	85.29	220.00	1100.00	3.71	1.55	29.00	2.69	286.10	16.68	Clear	Yes	
16:00	85.29	220.00	1100.00	3.71	1.55	26.50	2.70	286.56	16.79	Clear	Yes	
16:05	85.29	220.00	1100.00	3.71	1.55	24.10	2.70	286.79	16.79	Clear	Yes	
16:10	85.29	220.00	1100.00	3.71	22.10	1.54	2.54	286.81	16.81	Clear	Yes	
16:15	85.29	220.00	1100.00	3.71	1.52	19.20	2.63	287.07	16.86	Clear	Yes	
16:20	85.29	220.00	1100.00	3.7	1.48	17.20	2.68	287.12	16.88	Clear	Yes	
16:25	85.29	220.00	1100.00	3.7	1.48	15.30	2.12	287.49	16.86	Clear	Yes	
16:30	85.29	220.00	1100.00	3.7	1.50	14.10	1.92	287.87	16.87	Clear	Yes	
16:35	85.29	220.00	1100.00	3.7	1.56	12.90	2.28	292.22	16.88	Clear	Yes	
16:40	85.29	220.00	1100.00	3.7	1.61	12.50	1.80	292.34	16.91	Clear	Yes	
16:45	85.29	220.00	1100.00	3.7	1.59	11.80	1.74	290.12	16.93	Clear	Yes	

Screen Interval: 88 to 98

Tote #	Call Suez?	Processing?	Tote Volume (Gal)	Location if not Suez
N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow Date: 11-15-2022 Time: 16:45
Field Filtered: No

Purge Start Time: 13:32
Total Volume Purged (mL): 42460

Field Parameters

STABILIZED PARAMETERS	
pH	3.70
Spec. Cond.(µS/cm)	290.12
Turbidity (NTU)	1.74
Temp.(°C)	16.93
DO (mg/L)	1.59
ORP (mV)	11.80

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

Sample ID: CAP4Q22-SMW-12-111522
DuplicateID: CAP4Q22-SMW-12-111522-D
QA/QC: Dup|MS|MSD

ALL PARAMETERS ANALYZED
537 MOD (36)|Table 3+ (20)(HL) Including HFPO-DA

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	10

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	11-08-2022	Time:	16:38	General Comments:	ISCO was misfiring and had to be replaced, altering the start time.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP4Q22-WC-1-24-110922	11-09-2022 08:30		8.02	7.80	-7.10	10.97	276.10	18.64	clear	no	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-08-2022 10:26	Multi Meter ID:	706751
ISCO End Date and Time:	11-09-2022 09:26	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

Temperature (F):	--
Sky:	Sunny
Precipitation:	None
Wind (mph)	--

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-07-2022	Time:	09:55	General Comments:	ISCO removed from housing from 092922 - 100322.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-100522	10-05-2022 23:01		10-07-2022	10:08	5.68	8.51	212.40	10.49	729.86	23.34	Slightly cloudy	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-05-2022 00:01	Multi Meter ID:	--
ISCO End Date and Time:	10-05-2022 23:01		

SAMPLE SET

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

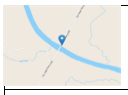
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

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

Latitude:	34.7449399097016
Longitude:	-78.7852061121487
Staff Gauge Water Level Reading (ft):	1.6
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10/11/2022	Time:	13:55	General Comments:	Also collected sample CFR-TARHEEL-24-100722. From 00:01 100722 - 23:01 100722.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-101022	10-10-2022 23:01		10-11-2022	14:35	6.31	8.17	97.20	0.00	191.22	22.02	Yellow tinted	No	DUP|MS|MSD	Split sample with NCDEQ.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-10-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	10-10-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

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

Latitude:	34.7448978788705
Longitude:	-78.7851619207242
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SCOTT SKRZYDLINSKI|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-14-2022	Time:	09:11	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-101322	10-13-2022 23:01		10-14-2022	14:03	--	--	--	--	--	--	--	--	--	No parameters collected.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	10-13-2022 00:01	Multi Meter ID:	--
ISCO End Date and Time:	10-13-2022 23:01		

SAMPLE SET

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

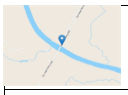
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7449630282982
Longitude:	-78.7852088183597
Staff Gauge Water Level Reading (ft):	0.8
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JAMIE MCGEE|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-18-2022	Time:	08:06	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-101722	10-17-2022 23:01		10-18-2022	08:07	5.62	9.86	183.40	4.85	2499.80	16.37	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-17-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	10-17-2022 23:01		

SAMPLE SET

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

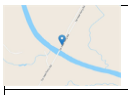
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	53.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.7454734405265
Longitude:	-78.7850560499253
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KAYTLYN MARINGER|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-21-2022	Time:	09:35	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-102022	10-20-2022 23:01		10-21-2022	09:40	7.46	0.46	69.80	13.47	3707.70	15.47	Clear	No	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-20-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	10-20-2022 23:01		

SAMPLE SET

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

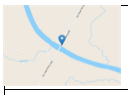
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	47.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.744947571614
Longitude:	-78.7852191864612
Staff Gauge Water Level Reading (ft):	0.7
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JAMIE MCGEE|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-25-2022	Time:	09:30	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-102422	10-24-2022 23:01		10-26-2022	14:57	7.13	8.27	65.70	4.66	307.70	14.64	Clear	No	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-24-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	10-24-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	52.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.7449527908974
Longitude:	-78.785182011888
Staff Gauge Water Level Reading (ft):	0.6
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SCOTT SKRZYDLINSKI|SHARON MORAN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	10-28-2022	Time:	08:09	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-102822	10-28-2022 09:36		10-28-2022	08:36	7.08	9.28	196.30	3.11	161.93	16.83	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-28-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	10-28-2022 23:01		

SAMPLE SET

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

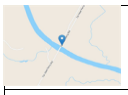
ALL PARAMETERS ANALYZED

Table 3+(21) LL including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	52.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	34.7449798090708
Longitude:	-78.7852285523701
Staff Gauge Water Level Reading (ft):	0.5
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|JAMIE MCGEE|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-02-2022	Time:	12:45	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-103122	10-31-2022 22:01		11-02-2022	12:50	7.26	8.43	165.30	9.13	208.19	25.28	clear	no	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	10-30-2022 23:01	Multi Meter ID:	706770
ISCO End Date and Time:	10-31-2022 22:01		

SAMPLE SET

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

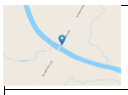
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449316350758
Longitude:	-78.7851897331118
Staff Gauge Water Level Reading (ft):	1.2
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-04-2022	Time:	10:45	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-110322	11-03-2022 23:01		11-04-2022	10:50	7.28	8.58	79.90	22.63	2284.90	20.87	Clear	No	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-03-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	11-03-2022 23:01		

SAMPLE SET

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

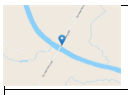
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	74.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.7449549339353
Longitude:	-78.7852063274584
Staff Gauge Water Level Reading (ft):	1.2
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-11-2022	Time:	09:37	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-110722	11-07-2022 23:01		11-11-2022	09:47	8.51	7.77	-7.40	6.88	215.54	18.81	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-07-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	11-07-2022 23:01		

SAMPLE SET

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

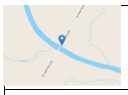
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA PFHpA

WEATHER CONDITIONS

Temperature (F):	69.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	10

Latitude:	34.7449531850172
Longitude:	-78.7852007352377
Staff Gauge Water Level Reading (ft):	1.4
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	Brandon Weidner| Erin Janiga	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-15-2022	Time:	08:45	General Comments:	Also collected sampled ID CFR-TARHEEL-24-111222. From 11-12-2022 00:01 - 11-12-2022 23:01. Sampled this date due to rain event.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-111422	11-14-2022 23:01		11-15-2022	10:37	8.04	11.21	161.70	4.30	179.65	10.91	clear	no	DUP|MS|MSD	Sample ID CFR-TARHEEL-24-111422 was split with the NCDEQ and handed off 11-15-22.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-14-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	11-14-2022 23:01		

SAMPLE SET

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

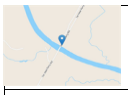
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

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

Latitude:	34.7449705223768
Longitude:	-78.785191683651
Staff Gauge Water Level Reading (ft):	1.4
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART\Brandon Weidner	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-22-2022	Time:	09:41	General Comments:	Also collected sample ID CFR-TARHEEL-24-111722. From 11-17-2022 00:01 - 11-17-2022 23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-112122	11-21-2022 23:01		11-22-2022	9:37	8.24	1.06	5.80	6.26	744.21	14.85	Clear	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-21-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	11-21-2022 23:01		

SAMPLE SET

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

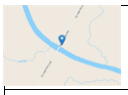
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

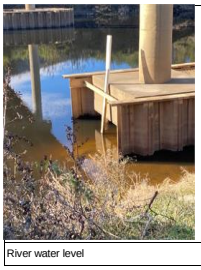
WEATHER CONDITIONS

Temperature (F):	52.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

Latitude:	34.7449886753343
Longitude:	-78.785030648376
Staff Gauge Water Level Reading (ft):	0.8
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)



River water level

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|Brandon Weidner	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	11-28-2022	Time:	09:27	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-112422	11-24-2022 23:01		11-28-2022	09:36	9.90	10.29	-75.90	5.22	385.05	16.47	Clear	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	11-24-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	11-24-2022 23:01		

SAMPLE SET

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

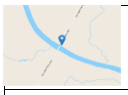
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	58.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.7448757364302
Longitude:	-78.7851040189571
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JAMIE MCGEE|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-02-2022	Time:	07:47	General Comments:	Also collected sample ID CFR-TARHEEL-24-112822. From 11-28-2022 00:01 - 11-28-2022 23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-120122	12-01-2022 23:01		12-02-2022	07:48	5.47	8.66	150.10	88.21	5220.70	10.38	Cloudy	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	12-01-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	12-01-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	30.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Latitude:	34.7450373608442
Longitude:	-78.7852633434376
Staff Gauge Water Level Reading (ft):	4.8
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JAMIE MCGEE|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12/6/2022	Time:	15:37	General Comments:	

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-120522	12-05-2022 23:01		--	--	--	--	--	--	--	--	--	--	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-05-2022 00:01	Multi Meter ID:	--
ISCO End Date and Time:	12-05-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|SCOTT SKRZYDLINSKI|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-12-2022	Time:	13:18	General Comments:	--

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-120822	12-08-2022 23:01		12-12-2022	13:21	9.57	7.91	25.80	33.46	569.54	15.44	Clear	No	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	12-08-2022 00:01	Multi Meter ID:	--
ISCO End Date and Time:	12-08-2022 23:01		

SAMPLE SET

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

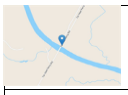
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.7449994646337
Longitude:	-78.7852268759895
Staff Gauge Water Level Reading (ft):	2.8
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SOPHIA HAYES|JAMIE MCGEE|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-13-2022	Time:	23:01	General Comments:	Sample split with NCDEQ, regular ISCO not functioning properly.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-121222	12-12-2022 23:01		12-13-2022	08:53	7.18	10.63	-20.00	13.90	2417.50	7.45	Yellow tint	No	MS|MSD|DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	12-12-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	12-12-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+(21) LL including HFPO-DA and PHFpA

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	0

Latitude:	--
Longitude:	--
Staff Gauge Water Level Reading (ft):	2.5
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|TAYLOR CRITTENDEN|	Sampling Event:	Weekly River	Event Type:	Maintenance
Date:	12-14-2022	Time:	14:31	General Comments:	Field team replaced ISCO head due to faulty sampling on 12-12-2022. ISCO set to restart 12-15-22.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
--	--		--	--	--	--	--	--	--	--	--	--	--	No sample collected, maintenanced ISCO only.

Sampling Data

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

SAMPLE SET

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

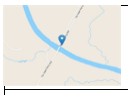
ALL PARAMETERS ANALYZED

N/A

WEATHER CONDITIONS

Temperature (F):	47.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449774621379
Longitude:	-78.785093436091
Staff Gauge Water Level Reading (ft):	1.5
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JAMIE MCGEE|SOPHIA HAYES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-16-2022	Time:	09:10	General Comments:	Sample from 121522 not shipped due to faulty ISCO, field team collected parameters.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
--	--		12-16-2022	09:38	8.72	3.06	29.30	12.50	5178.80	11.40	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	706751
ISCO End Date and Time:	--		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+(21) LL including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	43.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.7449396339709
Longitude:	-78.7851303517578
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|Ben Krause	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-20-2022	Time:	11:01	General Comments:	Collect samples, recalibrate Isco, need to fix negative power into battery, the cable can easily come out. Will fix next visit.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-121922	12-19-2022 23:01		12-20-2022	11:15	9.26	9.89	-23.50	72.70	466.54	8.60	Cloudy	None	--	Also collected CFR-TARHEEL-24-121722 from 121722 00:01 - 121722 23:01

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	12-19-2022 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	12-19-2022 23:01		

SAMPLE SET

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

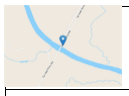
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	40.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.7449408563002
Longitude:	-78.7851245171463
Staff Gauge Water Level Reading (ft):	5.95
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|SCOTT SKRZYDLINSKI|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-27-2022	Time:	13:49	General Comments:	Also collected sample CFR-TARHEEL-24-122222 From 12/22/22 00:01 - 12/22/22 23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-122622	12-26-2022 23:01		12-26-2022	13:50	9.95	10.20	57.60	45.11	265.99	12.41	Cloudy	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	12-26-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	12-26-2022 23:01		

SAMPLE SET

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

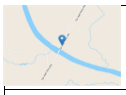
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	45.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	34.7453685008075
Longitude:	-78.7851060944436
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SCOTT SKRZYDLINSKI|CHARLES PACE|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	12-30-2022	Time:	10:58	General Comments:	

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-122922	12-29-2022 23:01		12-30-2022	11:05	7.50	10.19	96.40	44.02	129.70	14.33	clear	no	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	12-29-2022 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	12-29-2022 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	55.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

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

GPS Location (if collected)

PARSONS

Geosyntec consultants

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

Appendix D

Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 4Q22

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
CFR-TARHEEL-24-100522	320-93125-1	Surface Water	N	10/05/2022	23:01	FS
CFR-TARHEEL-24-100722	320-93125-2	Surface Water	N	10/07/2022	23:01	FS
CFR-TARHEEL-24-101022	320-93125-3	Surface Water	N	10/10/2022	23:01	FS
CFR-TARHEEL-24-101022-D	320-93125-4	Surface Water	N	10/10/2022	23:01	DUP
CFR-TARHEEL-24-101322	320-93407-1	Surface Water	N	10/13/2022	23:01	FS
CFR-TARHEEL-24-101722	320-93407-2	Surface Water	N	10/17/2022	23:01	FS
CFR-TARHEEL-24-102422	320-93660-1	Surface Water	N	10/24/2022	23:01	FS
CFR-TARHEEL-24-102022	320-93660-2	Surface Water	N	10/20/2022	23:01	FS
CFR-TARHEEL-24-102722	320-93997-1	Surface Water	N	10/27/2022	23:01	FS
CFR-TARHEEL-24-103122	320-93997-2	Surface Water	N	10/31/2022	23:01	FS
CFR-TARHEEL-24-110322	320-94322-1	Surface Water	N	11/03/2022	23:01	FS
CFR-TARHEEL-24-110722	320-94322-2	Surface Water	N	11/07/2022	23:01	FS
CFR-TARHEEL-24-111222	320-94573-1	Surface Water	N	11/12/2022	23:01	FS
CFR-TARHEEL-24-111422	320-94573-2	Surface Water	N	11/14/2022	23:01	FS
CFR-TARHEEL-24-111422-D	320-94573-3	Surface Water	N	11/14/2022	23:01	DUP
CFR-TARHEEL-24-112122	320-94670-1	Surface Water	N	11/21/2022	23:01	FS
CFR-TARHEEL-24-111722	320-94670-2	Surface Water	N	11/17/2022	23:01	FS
CFR-TARHEEL-24-112822	320-94890-1	Surface Water	N	11/28/2022	23:01	FS
CFR-TARHEEL-24-112422	320-94890-2	Surface Water	N	11/24/2022	23:01	FS
CFR-TARHEEL-24-120122	320-94890-3	Surface Water	N	12/01/2022	23:01	FS
CFR-TARHEEL-24-120522	320-95117-1	Surface Water	N	12/05/2022	23:01	FS
CFR-TARHEEL-24-120822	320-95368-1	Surface Water	N	12/08/2022	23:01	FS
CFR-TARHEEL-24-121222	320-95368-2	Surface Water	N	12/12/2022	23:01	FS
CFR-TARHEEL-24-121222-D	320-95368-3	Surface Water	N	12/12/2022	23:01	DUP

CFR-TARHEEL-24-121722	320-95534-1	Surface Water	N	12/17/2022	23:01	FS
CFR-TARHEEL-24-121922	320-95534-2	Surface Water	N	12/19/2022	23:01	FS
CFR-TARHEEL-24-122222	320-95616-1	Surface Water	N	12/22/2022	23:01	FS
CFR-TARHEEL-24-122622	320-95616-2	Surface Water	N	12/26/2022	23:01	FS

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

Analytical Protocol

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

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

[2] A list of 21 compounds including HFPO-DA and PFHpA.

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	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

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	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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-24-103122	10/31/2022	320-93997-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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
CFR-TARHEEL-24-111422	11/14/2022	320-94573-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111422	11/14/2022	320-94573-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111422	11/14/2022	320-94573-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111422	11/14/2022	320-94573-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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-24-102722	10/27/2022	320-93997-1	R-PSDA	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Hydrolyzed PSDA	0.0077	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: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-111422	11/14/2022	320-94573-2	Perfluoroheptanoic Acid	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111422-D	11/14/2022	320-94573-3	Perfluoroheptanoic Acid	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101022-D	10/10/2022	320-93125-4	Hydrolyzed PSDA	0.0076	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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-24-120822	12/08/2022	320-95368-1	Hydrolyzed PSDA	0.0025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110322	11/03/2022	320-94322-1	Hydrolyzed PSDA	0.0040	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-110722	11/07/2022	320-94322-2	Hydrolyzed PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100522	10/05/2022	320-93125-1	Hydrolyzed PSDA	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-100722	10/07/2022	320-93125-2	Hydrolyzed PSDA	0.0053	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101322	10/13/2022	320-93407-1	R-PSDA	0.0067	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101322	10/13/2022	320-93407-1	Hydrolyzed PSDA	0.010	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101722	10/17/2022	320-93407-2	R-PSDA	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-101722	10/17/2022	320-93407-2	Hydrolyzed PSDA	0.0069	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102022	10/20/2022	320-93660-2	R-PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102022	10/20/2022	320-93660-2	Hydrolyzed PSDA	0.0086	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102422	10/24/2022	320-93660-1	R-PSDA	0.0081	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102422	10/24/2022	320-93660-1	Hydrolyzed PSDA	0.0094	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102422	10/24/2022	320-93660-1	R-EVE	0.0027	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-24-103122	10/31/2022	320-93997-2	PFMOAA	0.042	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	NVHOS, Acid Form	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Perfluoroheptanoic Acid	0.0054	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PFO2HxA	0.019	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PFO3OA	0.0046	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Hydrolyzed PSDA	0.0089	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFMOAA	0.039	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	PMPA	0.013	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-103122	10/31/2022	320-93997-2	Hfpo Dimer Acid	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	NVHOS, Acid Form	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFO2HxA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PFO3OA	0.0055	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	PMPA	0.012	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-102722	10/27/2022	320-93997-1	Hfpo Dimer Acid	0.012	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: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-121222	12/12/2022	320-95368-2	PFMOAA	0.0085	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 2022 – 2023 (select lot)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
CFR-TARHEEL-24-010523	320-95803-1	Surface Water	N	01/05/2023	23:01	FS
CFR-TARHEEL-24-010223	320-95803-2	Surface Water	N	01/02/2023	23:01	FS
CFR-TARHEEL-24-122922	320-95803-3	Surface Water	N	12/29/2022	23:01	FS

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

Analytical Protocol

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

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

[2] A list of 21 compounds including HFPO-DA and PFHpA.

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	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				
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

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	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFMOAA	0.0050	ug/L	PQL		0.0050	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Perfluoro(2-ethoxyethane)sulfonic	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 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-24-122922	12/29/2022	320-95803-3	PMPA	0.016	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Hfpo Dimer Acid	0.0022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	Perfluoroheptanoic Acid	0.0040	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-122922	12/29/2022	320-95803-3	PFO2HxA	0.0044	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 2022 (select lot)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
CFR-TARHEEL-24-112122	320-94670-1	Surface Water	N	11/21/2022	23:01	FS
CFR-TARHEEL-24-111722	320-94670-2	Surface Water	N	11/17/2022	23:01	FS

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

Analytical Protocol

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

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

[2] A list of 21 compounds including HFPO-DA and PFHpA.

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Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
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B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X		
E	Were 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				
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.

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DVM Narrative Report

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

Validation Reason Code: The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason Code: The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFMOAA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	NVHOS, Acid Form	0.0067	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Perfluoroheptanoic Acid	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFO2HxA	0.0088	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PFO3OA	0.0020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	R-PSDA	0.0078	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Hydrolyzed PSDA	0.0073	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFMOAA	0.025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	PMPA	0.015	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-112122	11/21/2022	320-94670-1	Hfpo Dimer Acid	0.0072	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	NVHOS, Acid Form	0.0038	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Perfluoroheptanoic Acid	0.0060	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFO2HxA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PFO3OA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Hydrolyzed PSDA	0.0071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	PMPA	0.010	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-111722	11/17/2022	320-94670-2	Hfpo Dimer Acid	0.0094	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 4Q22

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP4Q22-PW-09-111722	320-94563-1	Groundwater	N	11/17/2022	14:05	FS
CAP4Q22-PW-09-111722-Z	320-94563-2	Groundwater	Y	11/17/2022	14:05	FS
CAP4Q22-OW-33-111622	320-94563-3	Groundwater	N	11/16/2022	10:55	FS
CAP4Q22-PIW-7D-111622	320-94563-4	Groundwater	N	11/16/2022	16:10	FS
CAP4Q22-OW-28-111622	320-94563-5	Groundwater	N	11/16/2022	13:20	FS
CAP4Q22-SMW-10-111622	320-94563-6	Groundwater	N	11/16/2022	15:55	FS
CAP4Q22-SMW-11-111622	320-94563-7	Groundwater	N	11/16/2022	10:40	FS
CAP4Q22-SMW-12-111522	320-94563-8	Groundwater	N	11/15/2022	16:45	FS
CAP4Q22-FB-111822	320-94565-1	Blank Water	N	11/18/2022	09:10	FB
CAP4Q22-FB-111822-Z	320-94565-2	Blank Water	N	11/18/2022	09:30	FB
CAP4Q22-EQBLK-PP-111822	320-94565-3	Blank Water	N	11/18/2022	10:30	EB
CAP4Q22-EQBLK-PP-111822-Z	320-94565-4	Blank Water	Y	11/18/2022	10:15	EB
CAP4Q22-LTW-04-111722	320-94565-5	Groundwater	N	11/17/2022	15:39	FS
CAP4Q22-EQBLK-DV-111822-Z	320-94565-6	Blank Water	Y	11/18/2022	10:40	EB
CAP4Q22-EQBLK-DV-111822	320-94565-7	Blank Water	N	11/18/2022	10:50	EB
CAP4Q22-EQBLK-BR-111822	320-94565-8	Blank Water	N	11/18/2022	09:50	EB
CAP4Q22-EQBLK-BR-111822-Z	320-94565-9	Blank Water	Y	11/18/2022	10:10	EB
CAP4Q22-SMW-12-111522-D	320-94566-1	Groundwater	N	11/15/2022	16:45	DUP
CAP4Q22-BLADEN-1D-111522	320-94566-10	Groundwater	N	11/15/2022	15:15	FS
CAP4Q22-LTW-01-111722	320-94566-2	Groundwater	N	11/17/2022	10:40	FS
CAP4Q22-LTW-02-111722	320-94566-3	Groundwater	N	11/17/2022	09:50	FS
CAP4Q22-PIW-7S-111722	320-94566-4	Groundwater	N	11/17/2022	10:10	FS
CAP4Q22-PZ-22-111722	320-94566-5	Groundwater	N	11/17/2022	11:31	FS
CAP4Q22-LTW-05-111722	320-94566-6	Groundwater	N	11/17/2022	08:45	FS
CAP4Q22-PIW-3D-111722	320-94566-7	Groundwater	N	11/17/2022	11:30	FS
CAP4Q22-LTW-03-111722	320-94566-8	Groundwater	N	11/17/2022	14:10	FS
CAP4Q22-PW-06-111522	320-94566-9	Groundwater	N	11/15/2022	14:10	FS
CAP4Q22-PW-04-112122	320-94672-1	Groundwater	N	11/21/2022	11:00	FS
CAP4Q22-PIW-01D-111822	320-94672-2	Groundwater	N	11/18/2022	13:20	FS

DUP=Field Duplicate EB=Equipment Blank
FB=Field 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 4Q22
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 4Q22

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				
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

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 4Q22 **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
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522-D	11/15/2022	320-94566-1	PFO2HxA	1.2	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFMOAA	3.6	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522-D	11/15/2022	320-94566-1	PEPA	0.28	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522-D	11/15/2022	320-94566-1	PFMOAA	2.4	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFO2HxA	1.7	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-PIW-3D-111722	11/17/2022	320-94566-7	R-PSDA	0.37	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-3D-111722	11/17/2022	320-94566-7	R-EVE	0.14	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	R-EVE	0.76	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	R-PSDA	0.20	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	R-EVE	0.70	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PW-06-111522	11/15/2022	320-94566-9	Hydrolyzed PSDA	0.057	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	R-PSDA	0.30	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	Hydrolyzed PSDA	0.47	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	R-EVE	0.23	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-11-111622	11/16/2022	320-94563-7	R-PSDA	0.071	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	R-PSDA	0.077	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-BLADEN-1D-111522	11/15/2022	320-94566-10	R-PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	R-PSDA	0.66	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	Hydrolyzed PSDA	0.42	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	R-EVE	0.35	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	R-PSDA	0.11	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	Hydrolyzed PSDA	0.24	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	R-EVE	0.10	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	R-PSDA	0.47	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	Hydrolyzed PSDA	2.9	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	R-EVE	0.23	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	R-PSDA	1.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	Hydrolyzed PSDA	3.0	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	R-EVE	1.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	Hydrolyzed PSDA	0.72	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	R-EVE	0.46	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OW-33-111622	11/16/2022	320-94563-3	R-PSDA	0.19	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OW-33-111622	11/16/2022	320-94563-3	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	R-PSDA	0.24	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	R-EVE	0.13	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	PFOS	0.0092	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	PFOS	0.012	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PMPA	2.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PEPA	0.43	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFO3OA	0.082	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW and SW Sampling 4Q22

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP4Q22-WC-1-24-110922	320-94319-1	Surface Water	N	11/09/2022	09:26	FS
CAP4Q22-FB-110922	320-94319-10	Blank Water	N	11/09/2022	17:15	FS
CAP4Q22-SEEP-C-EFF-23-110922	320-94319-2	Surface Water	N	11/09/2022	10:06	FS
CAP4Q22-SEEP-D-EFF-24-110922	320-94319-3	Surface Water	N	11/09/2022	11:26	FS
CAP4Q22-OUTFALL-002-24-110922	320-94319-4	Surface Water	N	11/09/2022	09:54	FS
CAP4Q22-OLDOF-1-24-110922	320-94319-5	Surface Water	N	11/09/2022	11:06	FS
CAP4Q22-WC-2-22-110922	320-94319-6	Surface Water	N	11/09/2022	06:00	FS
CAP4Q22-WC-3-24-110922	320-94319-7	Surface Water	N	11/09/2022	14:20	FS
CAP4Q22-EQBLK-PP-110922	320-94319-8	Blank Water	N	11/09/2022	17:00	FS
CAP4Q22-EQBLK-IS-110922	320-94319-9	Blank Water	N	11/09/2022	17:10	FS
CAP4Q22-LOCK-DAM-SEEP-110822	320-94320-1	Surface Water	N	11/08/2022	13:40	FS
CAP4Q22-GBC-1-110822	320-94320-2	Surface Water	N	11/08/2022	15:00	FS
CAP4Q22-CFR-RM-76-110822	320-94320-3	Surface Water	N	11/08/2022	10:35	FS
CAP4Q22-CFR-BLADEN-110922	320-94320-4	Surface Water	N	11/09/2022	08:30	FS
CAP4Q22-LOCK-DAM-NORTH-110822	320-94320-5	Surface Water	N	11/08/2022	14:00	FS
RIVER-WATER-INTAKE2-24-110922	320-94320-6	Surface Water	N	11/09/2022	08:06	FS
CAP4Q22-SEEP-A-EFF-24-110922	320-94320-7	Surface Water	N	11/09/2022	08:54	FS
CAP4Q22-SEEP-A-EFF-24-110922-D	320-94320-8	Surface Water	N	11/09/2022	08:54	DUP
CAP4Q22-CFR-TARHEEL-24-111022	320-94321-1	Surface Water	N	11/10/2022	02:48	FS
CAP4Q22-SEEP-B-EFF-24-110922	320-94321-2	Surface Water	N	11/09/2022	09:24	FS
CAP4Q22-CFR-TARHEEL-110922	320-94321-3	Surface Water	N	11/09/2022	09:00	FS
CAP4Q22-PW-09-111722	320-94563-1	Groundwater	N	11/17/2022	14:05	FS
CAP4Q22-PW-09-111722-Z	320-94563-2	Groundwater	Y	11/17/2022	14:05	FS
CAP4Q22-OW-33-111622	320-94563-3	Groundwater	N	11/16/2022	10:55	FS
CAP4Q22-PIW-7D-111622	320-94563-4	Groundwater	N	11/16/2022	16:10	FS
CAP4Q22-OW-28-111622	320-94563-5	Groundwater	N	11/16/2022	13:20	FS
CAP4Q22-SMW-10-111622	320-94563-6	Groundwater	N	11/16/2022	15:55	FS
CAP4Q22-SMW-11-111622	320-94563-7	Groundwater	N	11/16/2022	10:40	FS
CAP4Q22-SMW-12-111522	320-94563-8	Groundwater	N	11/15/2022	16:45	FS
CAP4Q22-FB-111822	320-94565-1	Blank Water	N	11/18/2022	09:10	FB
CAP4Q22-FB-111822-Z	320-94565-2	Blank Water	N	11/18/2022	09:30	FB
CAP4Q22-EQBLK-PP-111822	320-94565-3	Blank Water	N	11/18/2022	10:30	EB
CAP4Q22-EQBLK-PP-111822-Z	320-94565-4	Blank Water	Y	11/18/2022	10:15	EB
CAP4Q22-LTW-04-111722	320-94565-5	Groundwater	N	11/17/2022	15:39	FS
CAP4Q22-EQBLK-DV-111822-Z	320-94565-6	Blank Water	Y	11/18/2022	10:40	EB
CAP4Q22-EQBLK-DV-111822	320-94565-7	Blank Water	N	11/18/2022	10:50	EB
CAP4Q22-EQBLK-BR-111822	320-94565-8	Blank Water	N	11/18/2022	09:50	EB
CAP4Q22-EQBLK-BR-111822-Z	320-94565-9	Blank Water	Y	11/18/2022	10:10	EB
CAP4Q22-SMW-12-111522-D	320-94566-1	Groundwater	N	11/15/2022	16:45	DUP
CAP4Q22-BLADEN-1D-111522	320-94566-10	Groundwater	N	11/15/2022	15:15	FS
CAP4Q22-LTW-01-111722	320-94566-2	Groundwater	N	11/17/2022	10:40	FS
CAP4Q22-LTW-02-111722	320-94566-3	Groundwater	N	11/17/2022	09:50	FS
CAP4Q22-PIW-7S-111722	320-94566-4	Groundwater	N	11/17/2022	10:10	FS
CAP4Q22-PZ-22-111722	320-94566-5	Groundwater	N	11/17/2022	11:31	FS
CAP4Q22-LTW-05-111722	320-94566-6	Groundwater	N	11/17/2022	08:45	FS
CAP4Q22-PIW-3D-111722	320-94566-7	Groundwater	N	11/17/2022	11:30	FS
CAP4Q22-LTW-03-111722	320-94566-8	Groundwater	N	11/17/2022	14:10	FS
CAP4Q22-PW-06-111522	320-94566-9	Groundwater	N	11/15/2022	14:10	FS
CAP4Q22-CFR-KINGS-111422	320-94574-1	Surface Water	N	11/14/2022	12:40	FS
CAP4Q22-PW-04-112122	320-94672-1	Groundwater	N	11/21/2022	11:00	FS
CAP4Q22-PIW-01D-111822	320-94672-2	Groundwater	N	11/18/2022	13:20	FS

DUP=Field Duplicate EB=Equipment Blank
FB=Field 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 4Q22
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 4Q22
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 4Q22
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 4Q22

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				
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

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 4Q22 **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
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q22 **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
CAP4Q22-CFR-KINGS-111422	11/14/2022	320-94574-1	Perfluorobutane Sulfonic Acid	0.010	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q22 **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
CAP4Q22-WC-1-24-110922	11/09/2022	320-94319-1	R-PSDA	0.036	UG/L	PQL		0.0071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-1-24-110922	11/09/2022	320-94319-1	Hydrolyzed PSDA	0.23	UG/L	PQL		0.0038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-1-24-110922	11/09/2022	320-94319-1	R-EVE	0.016	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-2-22-110922	11/09/2022	320-94319-6	R-PSDA	0.031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-2-22-110922	11/09/2022	320-94319-6	Hydrolyzed PSDA	0.13	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-2-22-110922	11/09/2022	320-94319-6	R-EVE	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-3-24-110922	11/09/2022	320-94319-7	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-WC-3-24-110922	11/09/2022	320-94319-7	R-EVE	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-3D-111722	11/17/2022	320-94566-7	R-PSDA	0.37	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-3D-111722	11/17/2022	320-94566-7	R-EVE	0.14	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7D-111622	11/16/2022	320-94563-4	R-EVE	0.76	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	R-PSDA	0.20	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	R-EVE	0.70	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PW-06-111522	11/15/2022	320-94566-9	Hydrolyzed PSDA	0.057	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	R-PSDA	0.30	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	Hydrolyzed PSDA	0.47	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PZ-22-111722	11/17/2022	320-94566-5	R-EVE	0.23	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SEEP-B-EFF-24-110922	11/09/2022	320-94321-2	Hydrolyzed PSDA	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SEEP-C-EFF-23-110922	11/09/2022	320-94319-2	Hydrolyzed PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-11-111622	11/16/2022	320-94563-7	R-PSDA	0.071	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	R-PSDA	0.077	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-BLADEN-1D-111522	11/15/2022	320-94566-10	R-PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-CFR-BLADEN-110922	11/09/2022	320-94320-4	Hydrolyzed PSDA	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-CFR-TARHEEL-110922	11/09/2022	320-94321-3	Hydrolyzed PSDA	0.0059	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-CFR-TARHEEL-24-111022	11/10/2022	320-94321-1	Hydrolyzed PSDA	0.0063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-GBC-1-110822	11/08/2022	320-94320-2	R-PSDA	0.025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-GBC-1-110822	11/08/2022	320-94320-2	R-EVE	0.0086	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-NORTH-110822	11/08/2022	320-94320-5	R-PSDA	0.23	UG/L	PQL		0.0071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-NORTH-110822	11/08/2022	320-94320-5	Hydrolyzed PSDA	0.0047	UG/L	PQL		0.0038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-NORTH-110822	11/08/2022	320-94320-5	R-EVE	0.12	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-SEEP-110822	11/08/2022	320-94320-1	R-PSDA	0.87	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-SEEP-110822	11/08/2022	320-94320-1	Hydrolyzed PSDA	0.66	UG/L	PQL		0.019	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LOCK-DAM-SEEP-110822	11/08/2022	320-94320-1	R-EVE	0.25	UG/L	PQL		0.036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	R-PSDA	0.66	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	Hydrolyzed PSDA	0.42	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	R-EVE	0.35	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	R-PSDA	0.11	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	Hydrolyzed PSDA	0.24	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-02-111722	11/17/2022	320-94566-3	R-EVE	0.10	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	R-PSDA	0.47	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	Hydrolyzed PSDA	2.9	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-03-111722	11/17/2022	320-94566-8	R-EVE	0.23	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	R-PSDA	1.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	Hydrolyzed PSDA	3.0	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-LTW-04-111722	11/17/2022	320-94565-5	R-EVE	1.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	Hydrolyzed PSDA	0.72	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-LTW-05-111722	11/17/2022	320-94566-6	R-EVE	0.46	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OLDOF-1-24-110922	11/09/2022	320-94319-5	R-PSDA	0.0088	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OLDOF-1-24-110922	11/09/2022	320-94319-5	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OLDOF-1-24-110922	11/09/2022	320-94319-5	R-EVE	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OUTFALL-002-24-110922	11/09/2022	320-94319-4	Hydrolyzed PSDA	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OW-33-111622	11/16/2022	320-94563-3	R-PSDA	0.19	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-OW-33-111622	11/16/2022	320-94563-3	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	R-PSDA	0.24	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-PIW-01D-111822	11/18/2022	320-94672-2	R-EVE	0.13	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-PIW-7S-111722	11/17/2022	320-94566-4	PFOS	0.0092	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q22-LTW-01-111722	11/17/2022	320-94566-2	PFOS	0.012	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q22 **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
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PMPA	2.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PEPA	0.43	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP4Q22-SMW-12-111522	11/15/2022	320-94563-8	PFO3OA	0.082	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep