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NC License No.: C-3500 and C-295

Appendix A

Cape Fear River PFAS Mass Loading Model

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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 Q1 2023 mass loading model assessments, data sources used as model inputs for each potential pathway are described in Table A1.

SAMPLING ACTIVITIES AND LABORATORY ANALYSIS

The mass loading model sampling program for this reporting period consisted of collecting concentration and flow data from the various PFAS transport pathways during the report period. (February 2023). As per Paragraph 1(b) of the CO Addendum, this sampling event was conducted during a wet weather event (> 0.5 inches of rainfall), and the river stages and flows measured at W.O. Huske Dam were much higher than previous dry weather events[1]. A total of 39 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 A2. Details on the flow calculations for each model transport pathway along with measurement methods at each flow gauging location are provided in Attachment Tables ATT1-1 to ATT1-10.

Surface Water Sample Collection

The seep water and river water samples were collected from February 13 to 15, 2023. The sampling event occurred during a wet event (> 0.5 inches of rainfall), where the river stage reached 10.3 feet and 17,200 cubic feet per second (ft^3/s). The three downstream samples along the Cape Fear River (Bladen Bluffs, Tar Heel, and Kings Bluff) were sampled after the wet weather event, from February 22 to 24, 2023. A total of 15 primary samples, 1 duplicate sample, and 2 equipment blanks were collected. Due to the high river stage, below is a list of the deviations from the sampling program:

- Willis Creek and Georgia Branch Creek were sampled at an alternate location as close as possible to the mouth of the respective creeks (i.e., approximately 0.28 and 1.1 miles upstream, respectively) due to the high river level from the wet weather event.
- A grab sample was collected at Outfall 002 because there was a liquid detection fault in the ISCO during the first composite sampling attempt. The ISCO reran and a composite sample was collected the next day (February 15, 2023).
- Lock and Dam Seep and Lock and Dam North were not sampled because the seeps were flooded by river water from the wet weather event.

[1] An attempt was made to collect samples from the model pathways during a wet weather event in 2022, but coordination of field sampling with a predicted rain event was not achieved. As such, in addition to the wet weather event conducted in Q1 2023, a second wet weather event will be conducted in 2023.

- Grab samples were collected instead of composite samples at Old Outfall 002 and at Seep A, B, C, and D, due to the high water level from the wet weather event.
- The ISCO sampler at Tar Heel was temporarily removed on February 13, 2023, due to high water level that predicted to flood the autosampler platform. As a result, only a grab sample was collected at Tar Heel during the sampling event on February 13, 2023 (i.e., no paired composite sample at Tar Heel during the mass loading sampling event).

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

Water Levels and Groundwater Sample Collection

One synoptic water level survey of the onsite groundwater monitoring well network was completed on February 27 to 28, 2023 (Table A3). From February 14 to 23, 2023, groundwater samples were collected from 20 locations, including the 18 of the 20 monitoring wells outlined in CO Paragraph 16 (Table A4). This list of groundwater wells is derived from the Corrective Action Plan (CAP) (Geosyntec, 2019), with the following exceptions and deviations:

- PW-07 was not sampled because it did not have enough water to allow sampling.
- Bladen-1D was abandoned and replaced by Bladen-1DR during Q1 2023. The replacement well Bladen-1DR was sampled during this event.

The groundwater field parameters are provided in Table A4.

Laboratory Analyses

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

PFAS ANALYTICAL RESULTS

The analytical results from samples during the Q1 2023 surface water and groundwater sampling events are presented in Tables A5 and A6, respectively. The laboratory reports and Data Verification Module (DVM) reports are provided in Appendix D of the main report. The analytical data have been reviewed and validated. The duplicate samples have also been compared to the primary samples.

Data Validation

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

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

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

The secondary review of the data included instrument-related quality control results for calibration standards, blanks, and recoveries. It also included visual inspection of sample chromatograms for appropriate integration and verification that detections in field or equipment blanks have been applied to all applicable samples. The data review process applied the following data evaluation qualifiers to the analytical results as required:

- J: Analyte present, reported value may not be accurate or precise

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

The data review process described above was performed for laboratory chemical analytical data generated for the sampling events. The DQOs were met for the analytical results for accuracy and precision. The data collected are believed to be complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE[2].

Surface Water PFAS Analytical Results

For the surface and seep water samples, two equipment blanks were collected and HFPO-DA, PFMOAA, and PFO2HxA were detected above the associated reporting limits in the blank collected with the dip rod (CAP1Q23-EQBLK-DR-021323) on February 13, 2023. Samples collected with the dip rod were B qualified as appropriate based on these results (CAP1Q23-SEEP-D-EFF-021323). One field duplicate was collected at the CFR-TARHEEL location on February 13, 2022. PFAS results for the primary (CAP1Q23-CFR-TARHEEL-021323) and duplicate sample (CAP1Q23-CFR-TARHEEL-021323-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 A5 (Table 3+) and Attachment Table ATT1-12 (Mod 537). Figure A1 shows the Total Table 3+ (17 compounds) concentrations reported for samples collected in Q1 2023 that corresponds to the mass loading model transport pathways. Figure A2 and A3 show the Total Table 3+ (17 compounds) concentrations and HFPO-DA concentrations at upstream and downstream locations along the Cape Fear River.

Among the collected river samples, Total Table 3+ (17 compounds) concentrations ranged from 4.3 ng/L (downstream sample at CFR-TARHEEL on February 22, 2023) to 17 ng/L (downstream sample at CFR-TARHEEL on February 13, 2023).

For the creeks, alternate locations were sampled due to the high river level during this wet event. The Total Table 3+ (17 compounds) concentrations were 940 ng/L and 2,100 ng/L at Willis Creek and Georgia Branch, respectively. These concentrations are within the range of concentrations observed during previous wet events (Q4 2020 and Q1 2021) and the mass discharges remained

[2] 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)"

stable, similar to previous wet and dry events (Geosyntec: 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023c).

Among the seeps and Old Outfall 002, Seep D effluents generally had the lowest Total Table 3+ (17 compounds) concentrations (12 ng/L). Seep C Effluent had the highest Total Table 3+ (17 compounds) concentration (1,500 ng/L), however, this measurement is only from one sampling event, and it was lower during previous sampling events after Seep C FTC was implemented. . The analytical results for the Seeps influent are not included in this report but are provided in *Interim Seep Remediation O&M Reports 14 and 15* (Geosyntec 2023a, 2023b).

Figure A3 shows the HFPO-DA concentrations in the four near-site/downstream river sampling locations. HFPO-DA concentrations were well below 10 ng/L ranging from non-detect below the associated reporting limits (near site CFR-MILE-76 and downstream at CFR-TARHEEL on February 13, 2023) to 3.0 ng/L (CFR-BLADEN).

Groundwater PFAS Analytical Results

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

- Six equipment blank samples were collected during the sampling event. No PFAS were detected above the associated reporting limits in any of the equipment blank samples.
- One field duplicate sample was collected at SMW-11 (February 23, 2023). PFAS results for the primary (CAP1Q23-SMW-11-022323) and duplicate sample (CAP1Q23-SMW-11-022323-D) had relative percent differences less than 30% for the reported compounds, except for R-PSDA, which was J qualified.

Individual PFAS and Total PFAS concentrations for the groundwater samples collected in Q1 2023 are summarized in Tables A6 (Table 3+) and Attachment Table ATT1-13 (Mod 537), and Figure A5. Total Table 3+ (17 compounds) concentrations ranged from non-detect below the associated reporting limits (PW-09) to 220,000 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) could not be compared to Lock and Dam Seep concentrations this quarter because the Lock and Dam Seep and Lock and Dam North were not sampled. However, results from the Q1 2023 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec: 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2022a; 2022b; 2022c; 2022d; 2023c).

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 February 2023 (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)[3].

Similar to Perched Zone groundwater elevations discussed in previous assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d; 2023c), 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; 2023c).

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; 2023c). 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). It is anticipated that the groundwater flows in the Black Creek Aquifer will change in future assessments due to the implementation of the groundwater extraction system and the start of the barrier wall construction remedy.

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.

[3] Due to transient conditions as a result of the groundwater remedy installation and commissioning, the potentiometric surfaces and gradient measurements (Figures A5-1, A5-2 and A5-3) are impacted from these activities and should be considered estimates.

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 A7-1 and A7-2, 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 Q1 2023 mass loading model assessments is provided in Table A8.

Reductions in Modeled Mass Discharge

The model estimated "Before Remedies" and "After Remedies" Total Table 3+ (17 compounds) mass discharge values from the Q1 2023 event are provided in Tables A7-1 and A7-2, 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 6.36 mg/s. More specifically, the reduction of mass discharge was 0.99 mg/s at Old Outfall 002; 2.67 mg/s at Seep A; 1.99 mg/s at Seep B; 0.45 mg/s at Seep C; and 0.26 mg/s at Seep D.

Pathway	**After Remedies Reduction in Model-Estimated Total Table 3+ (17 Compounds) Mass Discharge (mg/s)[1]**
	February 2023
Mass Discharge Reduction from Remedies	6.36
Old Outfall 002	0.99
Seep A	2.67
Seep B	1.99
Seep C	0.45
Seep D	0.26
Outfall 002[2]	--

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. There was no stormwater flow being treated by the SWTS during the February 2023 sampling event (February 13 to 15, 2022). Over the duration of Q1 2023 when stormwater was flowing to the SWTS, it removed 99% or greater of HFPO-DA, PFMOAA, and PMPA from the influent flow.

These reductions are higher than model-estimated reductions reported in Q4 2022 of 4.37 mg/s (Geosyntec, 2022d) because this event was completed during a wet weather event where the flows

at the Seeps flow through cells were higher than previous events. 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 A8. 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 February 2023, the largest contributing pathways upgradient of the remedies ("before" remedies) are the seeps (approximately 36% to 37%), the upstream river water and groundwater (approximately 30% to 31%), onsite groundwater (approximately 10% to 12%), offsite adjacent and downstream groundwater (approximately 11% to 12%), and to a lesser extent Old Outfall 002 (7% to 7%).

For Old Outfall 002 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 7% (both lower and upper bounds) 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 <1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River.

- The seeps upgradient of the remedies contributed approximately 36% to 37% 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 <1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River.

The largest remaining contributing pathways downgradient of the remedies (i.e., after the water passes through the remedies) are the upstream river water and groundwater, and the onsite groundwater. The onsite groundwater reaching the Cape Fear River are currently addressed by the groundwater barrier wall remedy which includes a groundwater extraction and treatment system.

Unlike previous mass loading assessments (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021b; 2021c; 2021d; 2021e; 2022b, 2022c, 2022d), the upstream river water and groundwater pathway and the offsite adjacent and downstream groundwater pathway were had higher relative contributions to the total mass discharge this quarter because of the high river flows from the rain event and a detection of PMPA at CFR-MILE-76. As described in the *Cape Fear River Mass Loading Calculation Protocol Version 2* (Geosyntec, 2020a), the mass loadings from these pathways are estimated using the concentrations at CFR-MILE-76 and the flows measured at W.O. Huske Dam. During Q1 2023, the flows measured at W.O. Huske Dam were much higher than previous mass loading dry weather events. As well, the only Table 3+ PFAS compound detected

at CFR-MILE-76 was PMPA (12 ng/L), which has not been detected above the reporting limit of 10 ng/L in previous events.

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, measurement error in the input parameters (e.g., flow and concentrations), and specifically in Q1 2023, the weather and river conditions (i.e., sampling during a wet weather event). 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 February 2023, 35 water samples were collected from the PFAS transport pathways (seeps, creeks, Old Outfall, Outfall 002, groundwater) during a wet weather event 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 upgradient of the remedies (i.e., "before remedies") are the seeps (transport pathway 6), onsite groundwater (transport pathway 5), the upstream river water and groundwater (transport pathway 1) and the offsite adjacent and downstream groundwater (transport pathway 8), and to a lesser extent Old Outfall 002 (transport pathway 7). Unlike previous mass loading assessments, the upstream river water and groundwater, and offsite adjacent and downstream groundwater pathways (transport pathways 1 and 8) had higher relative contributions to the total mass discharge during this wet event due to the higher river flows and a detection of PMPA (12 ng/L) at CFR-MILE-76. In general, PMPA has not been detected above the reporting limit of 10 ng/L in previous events.

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 <1% of the Total Table 3+ (17 compounds) mass load reaching the Cape Fear River. Accounting for implemented remedies, the remaining largest contributing pathway during this quarter are the upstream river water and groundwater (transport pathway 1), the offsite adjacent and downstream groundwater (transport pathway 8), and onsite groundwater (transport pathway 5). Pathways 1 and 8 were higher contributors during this wet event due to the higher river flows and a detection of PMPA (12 ng/L) at CFR-MILE-76. In general, PMPA has not been detected above the reporting limit of 10 ng/L in previous events.

Over this period, the implementation of remedies at the Old Outfall 002, and Seeps A, B, C, and D resulted in reductions of model-estimated mass discharges of about 6.36 mg/s. These reductions represent the estimated reductions for this single mass loading event and are higher than model-estimated reductions reported in Q4 2022 of 4.37 mg/s (Geosyntec, 2022d) because the event was completed during a wet weather event where the flows at the Seeps flow through cells were higher than previous events. 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.

Geosyntec. 2023a. Interim Seep Remediation Operation and Maintenance Report #13. Chemours Fayetteville Works. March 31, 2023.

Geosyntec. 2023b. Interim Seep Remediation Operation and Maintenance Report #14. Chemours Fayetteville Works. May 31, 2023.

Geosyntec 2023c. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2022 Report, Chemours Fayetteville Works. March 3, 2023.

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Appendix A: Cape Fear River PFAS Mass Loading Model

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 February 2023 as reported in Table A5.	Measured flow rates from USGS gauging station at W.O. Huske Dam during February 2023 volumetrically adjusted for flow pathways between River Mile 76 and W.O. Huske Dam.[2]
2	Willis Creek	Measured from Willis Creek samples collected in February 2023 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during February 2023 as reported in Attachment ATT1.
3	Aerial Deposition on River	Estimated from air deposition modeling[3].	Estimated from air deposition modeling[3].
4	Outfall 002	Measured from Outfall 002 samples collected in February 2023 as reported in Table A5.	Measured daily Outfall 002 flow rates recorded in Facility discharge monitoring reports, summarized in Attachment ATT1.
5	Onsite Groundwater	Measured from monitoring well samples collected in February 2023 as reported in Table A6.	Estimated as the sum of the mass flux from the Black Creek Aquifer calculated from a transect along the Cape Fear River. Further details and supporting calculations provided in Attachment ATT2.
6	Seeps	Measured from Seeps A, B, C, and D samples, Lock and Dam Seep and Lock and Dam North samples collected in February 2023 as reported in Table A5.	Measured flow rates through bucket and time for Lock and Dam Seep, and Lock and Dam North during February 2023 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 Q1 2023 CAP sampling event .
7	Old Outfall 002	Measured from Old Outfall 002 samples collected in February 2023 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during February 2023 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 February 2023 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during February 2023 as reported in Attachment ATT1.

Notes:

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

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

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

TABLE A2
SURFACE WATER SAMPLE SUMMARY, FIELD PARAMETERS, AND FLOW MEASUREMENTS - Q1 2023
Chemours Fayetteville Works, North Carolina

Pathway / Location	Location ID	Location Description	Sample ID	QA/QC	Sample Collection and Field Parameters									Flow Measurement Method[1]	
					Sample Date and Time	Sample Collection Method	Hours Composited[2]	pH (S.U.)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)	Flow Measurement Method	Instantaneous Flow Rate (ft^3/s)
Upstream River Water and Groundwater	CFR-RM-76	Cape Fear River Mile 76	CAP1Q23-CFR-RM-76-021323		2/13/2023 13:00	Grab	0	8.22	9.89	12.6	51.8	177.92	15.4	USGS Data[10]	15,000
Willis Creek[3]	WC-6	As close as possible to the mouth of Willis Creek	CAP1Q23-WC-6-021323		2/13/2023 13:56	Grab	24	6.78	7.79	162.5	10.2	229.16	16.4	Marsh-McBirney Flow	12
Intake River Water at Facility	INTAKE AT FACILITY	Water Drawn Through the Intake Sampled at the Power Area at the Site	RIVER-WATER-INTAKE2-24-021423		2/14/2023 12:01	Composite	24	7.67	9.95	86.7	190	551.09	18.32	Facility DMRs	18
Outfall 002	OUTFALL-002	Outfall 002 in open channel	CAP1Q23-OUTFALL-002-021423		2/14/2023 14:00	Grab	0	7.34	0.62	68.6	187	2518.2	20.16	Facility DMRs	15
			CAP1Q23-OUTFALL-002-24-021523		2/15/2023 12:50	Composite	24	6.39	10.84	226.7	110	89.73	21.39	Facility DMRs	15
Stormwater Treatment System[4]	STS Discharge	Monomers/IXM Stormwater Treatment System Effluent	--		--	--	--	--	--	--	--	--	--	--	--
Seep A	SEEP-A	Effluent Basin of Seep A FTC	CAP1Q23-SEEP-A-EFF-021323		2/13/2023 13:45	Grab[9]	0	7.73	5.62	59.4	4.32	247.83	14.45	FTC[11]	0.72
Seep B	SEEP-B	Effluent Basin of Seep B FTC	CAP1Q23-SEEP-B-EFF-021323		2/13/2023 14:15	Grab[9]	0	7.58	2.75	41.5	174	286.5	16.34	FTC[11]	0.37
Seep C	SEEP-C	Effluent Basin of Seep C FTC	CAP1Q23-SEEP-C-EFF-021323		2/13/2023 14:38	Grab[9]	0	8.55	6.26	42.1	137	270.44	15.26	FTC[11]	0.20
Seep D	SEEP-D	Effluent Basin of Seep D FTC	CAP1Q23-SEEP-D-EFF-021323		2/13/2023 14:45	Grab[9]	0	6.74	3.12	74.5	2.12	233.97	15.47	FTC[11]	0.10
Lock and Dam Seep[5]	LOCK-DAM-SEEP	Southside of the boat ramp at the Lock and Dam Seep	--		--	--	--	--	--	--	--	--	--	--	--
Lock and Dam North[6]	LOCK-DAM-NORTH	Northside of the boat ramp at the Lock and Dam Seep	--		--	--	--	--	--	--	--	--	--	--	--
Old Outfall 002	OLDOF-1	Mouth of Old Outfall 002	CAP1Q23-OLDOF-1B-021323		2/13/2023 16:10	Grab[9]	0	7.31	9.83	44.4	2.15	304.02	17.04	Marsh-McBirney Flow	0.77
Georgia Branch Creek[7]	GBC-5	As close as possible to the mouth of Georgia Branch Creek	CAP1Q23-GBC-5-021323		2/13/2023 15:30	Grab	0	6.99	9.7	88.7	2.12	195.48	15.27	Marsh-McBirney Flow	2.1
Tar Heel Ferry Road Bridge[8]	CFR-TARHEEL	Cape Fear River at Tar Heel Ferry Road Bridge	CAP1Q23-CFR-TARHEEL-021323		2/13/2023 15:40	Grab	0	7.48	10.26	58.2	58.6	261.19	17.28	USGS Data[12]	14,900
			CAP1Q23-CFR-TARHEEL-021323-D	Field Duplciate	2/13/2023 15:40	Grab	0	7.48	10.26	58.2	58.6	261.19	17.28	USGS Data[12]	14,900
			CAP1Q23-CFR-TARHEEL-022223		2/22/2023 13:20	Grab	0	8.8	7.48	43.2	32.3	789.61	22.29	USGS Data[12]	6,390
Bladen Bluffs	CFR-BLADEN	Cape Fear River at Bladen Bluffs	CAP1Q23-CFR-BLADEN-022223		2/22/2023 12:05	Grab	0	6.67	9.06	8.6	25	404.16	18.96	USGS Data[13]	6,390
Kings Bluffs	CFR-KINGS	Cape Fear River at Kings Bluff Raw Water	CAP1Q23-CFR-KINGS-022423		2/24/2023 11:35	Grab	0	8.94	9.21	21.7	22.1	120.55	20.47	USGS Data[14]	4,300

Notes:
1 - Flow measurement methods are described in Table A1. Supplemented flow measurement data are included in Attachment ATT1.
2 - Samples with a compositing duration of zero (0) hours are grab samples.
3 - A grab sample was collected as close as possible to the mouth of the creek due to high river level from the wet weather event. WC-6 is approximately 0.28 miles upstream of mouth.
4 - The Stormwater Treatment System (SWTS) samples are collected over the typical daily operation period. During the February 2023 sampling event there was no stormwater flow to the stormwater treatment system.
5 - A sample was not collected and flow was not measured at Lock and Dam Seep because the location was flooded with river water during the wet weather event.
6 - A sample was not collected and flow was not measured at Lock and Dam North because the location was flooded with river water during the wet weather event.
5 - A grab sample was collected as close as possible to the mouth of the creek due to high river level from the wet weather event. GBC-5 is approximately 1.1 miles upstream of mouth.
8 - A composite sample was not collected at Tar Heel during the mass loading event because the location was overflooded during the wet weather event.
9 - Grab samples were collected instead of composite samples at Old Outfall 002 and at Seep A, B, C, and D, due to the high water level from the wet weather event.
10 - 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.
11 - Flow-through cells for Seeps A, B, C and D were used as the flumes installed at the Seeps were decomissioned following Q2 2022 sampling event.
12 - 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.
13 - 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.
14 - Flow rate measured at USGS gauging station #02105769 located at Lock #1 near Kelly used to estimate flow rate at Kings Bluff during sample collection.
-- - not measured/not sampled
DMRs - Discharge Monitoring Reports
FTC - Flow-through cell
USGS - United States Geological Survey
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
ORP - oxidation reduction potential
S.U. - Standard Units

TABLE A3
GROUNDWATER ELEVATIONS - Q1 2023
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	02/27/23	399779.96	2050662.48	91-101	146.25	NM	NM
Onsite	Black Creek Aquifer	BCA-02	02/27/23	396242.02	2051062.07	92-102	148.37	NM	NM
Onsite	Black Creek Aquifer	BCA-03R	02/27/23	398582.23	2049522.22	88-98	150.82	54.60	96.22
Onsite	Black Creek Aquifer	BCA-04	02/27/23	395877.67	2047823.03	94-104	150.31	33.90	116.41
Offsite	Black Creek Aquifer	BLADEN-1DR	02/27/23	387522.25	2050247.40	NM	76.96	19.66	57.30
Offsite	Surficial Aquifer	BLADEN-1S	02/27/23	387518.97	2050233.35	5-10	76.74	9.98	66.76
Offsite	Black Creek Aquifer	BLADEN-2D	02/27/23	368827.09	2042878.34	70-75	138.27	18.42	119.85
Offsite	Surficial Aquifer	BLADEN-2S	02/27/23	368821.46	2042882.92	10-20	138.04	7.35	130.69
Offsite	Black Creek Aquifer	BLADEN-3D	02/27/23	396856.98	2059006.56	33.75-43.75	75.52	10.21	65.31
Offsite	Surficial Aquifer	BLADEN-3S	02/27/23	396862.31	2059012.93	5-15	74.27	8.45	65.82
Offsite	Black Creek Aquifer	BLADEN-4D	02/27/23	363255.12	2087636.87	46.75-51.75	59.66	1.33	58.33
Offsite	Surficial Aquifer	BLADEN-4S	02/27/23	363263.19	2087637.46	4.75-14.75	59.68	5.21	54.47
Offsite	Black Creek Aquifer	CUMBERLAND-1D	02/27/23	431459.95	2011071.39	40-50	174.60	7.05	167.55
Offsite	Surficial Aquifer	CUMBERLAND-1S	02/27/23	431459.95	2011071.39	15-25	174.73	6.68	168.05
Offsite	Black Creek Aquifer	CUMBERLAND-2D	02/27/23	449987.54	2074019.14	47-57	129.23	3.88	125.35
Offsite	Surficial Aquifer	CUMBERLAND-2S	02/27/23	449979.10	2074020.86	7-17	129.06	3.60	125.46
Offsite	Black Creek Aquifer	CUMBERLAND-3D	02/27/23	423248.12	2060409.16	22-27	78.79	8.07	70.72
Offsite	Surficial Aquifer	CUMBERLAND-3S	02/27/23	423254.64	2060413.30	9-14	79.06	7.65	71.41
Offsite	Black Creek Aquifer	CUMBERLAND-4D	02/27/23	413095.77	2078249.95	57-67	119.22	15.32	103.90
Offsite	Surficial Aquifer	CUMBERLAND-4S	02/27/23	413086.63	2078255.53	10-20	119.36	8.56	110.80
Offsite	Black Creek Aquifer	CUMBERLAND-5DR	02/27/23	405619.17	2138238.59	NM	106.67	10.65	96.02
Offsite	Surficial Aquifer	CUMBERLAND-5S	02/27/23	405623.27	2138233.37	14-24	106.65	5.60	101.05
Onsite	Black Creek Aquifer	EW-1	02/27/23	399934.65	2051297.51	40-60	91.33	33.93	57.40
Onsite	Black Creek Aquifer	EW-2	02/27/23	396164.48	2052232.61	40-65	77.25	NM	NM
Onsite	Black Creek Aquifer	EW-3	02/27/23	395059.78	2052214.66	37-67	76.48	NM	NM
Onsite	Black Creek Aquifer	EW-4	02/27/23	398581.51	2051805.58	53-73	80.64	33.35	47.29
Onsite	Black Creek Aquifer	EW-5	02/27/23	397200.16	2052052.65	37-67	78.50	37.93	40.57
Onsite	Perched Zone	FTA-01	02/27/23	397906.09	2049370.01	12.0-22.0	149.60	16.38	133.22
Onsite	Perched Zone	FTA-02	02/27/23	397784.99	2049203.29	11.5-22.0	149.30	17.41	131.89
Onsite	Perched Zone	FTA-03	02/27/23	397766.23	2049310.46	12.0-22.0	150.10	17.53	132.57
Onsite	Surficial Aquifer	INSITU-01	02/27/23	401657.39	2046078.99	7.0-17.0	89.12	6.44	82.68
Onsite	Surficial Aquifer	INSITU-02	02/27/23	401863.46	2049136.62	7.0-17.0	113.12	NM	NM
Onsite	Floodplain Deposits	LTW-01	02/27/23	399565.01	2052150.62	11.0-26.0	52.71	16.01	36.70
Onsite	Black Creek Aquifer	LTW-02	02/27/23	398847.57	2052355.48	28.0-38.0	51.39	8.36	43.03
Onsite	Floodplain Deposits	LTW-03	02/27/23	398114.45	2052558.35	15.0-30.0	51.75	13.26	38.49
Onsite	Floodplain Deposits	LTW-04	02/27/23	397279.61	2052584.95	12.0-27.0	50.66	10.50	40.16
Onsite	Black Creek Aquifer	LTW-05	02/27/23	396430.31	2052740.40	29.0-44.0	50.94	12.13	38.81
Onsite	Perched Zone	MW-11	02/27/23	396544.40	2049051.06	11.5-21.5	148.53	NM	NM
Onsite	Perched Zone	MW-12S	02/27/23	397262.90	2049269.37	17.5-22.5	151.08	20.32	130.76
Onsite	Surficial Aquifer	MW-13D	02/27/23	397119.02	2049821.12	57-67	148.65	48.55	100.10
Onsite	Surficial Aquifer	MW-14D	02/28/23	396974.49	2049074.56	62-72	149.73	45.54	104.19
Onsite	Surficial Aquifer	MW-15DRR	02/27/23	398580.71	2049511.75	52.5-62.5	150.92	52.69	98.23
Onsite	Surficial Aquifer	MW-16D	02/27/23	398493.70	2048402.84	72-82	148.41	41.09	107.32
Onsite	Surficial Aquifer	MW-17D	02/27/23	398401.74	2047366.50	57-67	146.12	34.81	111.31
Onsite	Surficial Aquifer	MW-18D	02/27/23	400947.30	2046574.35	50-60	108.10	22.95	85.15
Onsite	Surficial Aquifer	MW-19D	02/27/23	401151.43	2048272.93	46-56	139.36	54.94	84.42
Onsite	Perched Zone	MW-1S	02/27/23	397080.69	2049117.99	21.0-24.0	148.88	19.10	129.78
Onsite	Surficial Aquifer	MW-20D	02/27/23	400791.01	2048733.71	65-75	137.20	51.69	85.51
Onsite	Surficial Aquifer	MW-21D	02/27/23	399501.88	2047074.92	72-82	151.42	49.92	101.50
Onsite	Surficial Aquifer	MW-22D	02/27/23	398518.40	2048362.48	52-72	149.09	41.02	108.07
Onsite	Perched Zone	MW-23	02/27/23	396237.61	2051063.25	9.5-14.5	148.34	14.47	133.87
Onsite	Perched Zone	MW-24	02/27/23	397303.94	2048767.69	18.8-23.8	150.31	21.70	128.61
Onsite	Perched Zone	MW-25	02/27/23	396753.37	2050989.82	12-17	147.59	14.03	133.56
Onsite	Perched Zone	MW-26	02/27/23	396265.18	2051484.67	5-10	147.70	11.83	135.87
Onsite	Perched Zone	MW-27	02/27/23	396010.33	2051472.00	10-15	146.83	14.35	132.48
Onsite	Perched Zone	MW-28	02/27/23	395719.79	2051165.93	9-14	144.70	14.74	129.96
Onsite	Perched Zone	MW-30	02/27/23	397340.79	2050776.09	10-15	147.67	12.66	135.01
Onsite	Perched Zone	MW-31	02/27/23	396390.70	2049622.88	17-22	147.70	NM	NM
Onsite	Perched Zone	MW-32	02/27/23	396359.58	2049651.79	13-18.5	147.11	NM	NM
Onsite	Perched Zone	MW-33	02/27/23	396337.51	2049678.56	12-17	146.82	NM	NM
Onsite	Perched Zone	MW-34	02/27/23	396352.90	2049619.09	17-22	147.97	NM	NM
Onsite	Perched Zone	MW-35	02/28/23	396332.94	2049631.16	14-19	147.54	15.41	132.13
Onsite	Perched Zone	MW-36	02/28/23	396320.09	2049651.17	12-17	147.89	15.69	132.20
Onsite	Perched Zone	MW-7S	02/27/23	397444.52	2049809.73	NM	147.47	10.72	136.75
Onsite	Perched Zone	MW-8S	02/27/23	397096.48	2049867.77	NM	146.48	NM	NM
Onsite	Perched Zone	MW-9S	02/27/23	396760.16	2049734.30	17.5-22.5	154.39	21.42	132.97
Onsite	Perched Zone	NAF-01	02/27/23	398348.58	2050339.68	5.0-15.0	148.65	9.83	138.82
Onsite	Perched Zone	NAF-02	02/27/23	398660.16	2050634.55	5.0-15.0	149.28	10.36	138.92
Onsite	Perched Zone	NAF-03	02/27/23	398578.63	2050743.04	5.0-15.0	149.41	14.03	135.38
Onsite	Perched Zone	NAF-04	02/27/23	398445.89	2050713.13	5.0-15.0	146.77	7.61	139.16
Onsite	Perched Zone	NAF-06	02/27/23	398808.81	2050913.93	2.75-12.75	145.43	11.57	133.86
Onsite	Perched Zone	NAF-07	02/27/23	398898.69	2050618.12	5.5-15.5	149.03	9.75	139.28
Onsite	Perched Zone	NAF-08A	02/27/23	398098.22	2050886.93	5.0-15.0	147.74	8.66	139.08
Onsite	Surficial Aquifer	NAF-08B	02/27/23	398095.97	2050880.18	43.5-53.5	147.83	55.05	92.78
Onsite	Perched Zone	NAF-09	02/27/23	397708.78	2050807.44	7.0-17.0	148.62	11.80	136.82
Onsite	Perched Zone	NAF-10	02/27/23	397611.81	2050425.20	8.25-18.25	149.25	11.98	137.27
Onsite	Perched Zone	NAF-11A	02/27/23	398907.08	2050999.77	2.5-7.5	139.74	5.80	133.94
Onsite	Surficial Aquifer	NAF-11B	02/27/23	398911.13	2050995.88	33.5-43.5	140.74	DRY	DRY
Onsite	Perched Zone	NAF-12	02/27/23	398270.56	2050777.49	18-23	145.79	6.80	138.99
Onsite	Black Creek Aquifer	OW-1	02/27/23	399930.53	2051287.87	40-50	95.01	37.35	57.66
Onsite	Black Creek Aquifer	OW-10	02/27/23	399948.17	2051291.21	40-50	94.39	36.77	57.62
Onsite	Black Creek Aquifer	OW-11[5]	02/27/23	401683.39	2049913.61	74-84	94.92	47.62	47.30
Onsite	Black Creek Aquifer	OW-12[5]	02/27/23	401731.33	2050721.09	50-60	83.65	52.11	31.54
Onsite	Black Creek Aquifer	OW-13[5]	02/27/23	400769.33	2051210.62	50-60	85.12	51.31	33.81
Onsite	Black Creek Aquifer	OW-14[5]	02/27/23	400311.42	2051608.03	46-56	80.67	46.68	33.99
Onsite	Black Creek Aquifer	OW-15[5]	02/27/23	399719.91	2051608.62	34-44	87.86	31.38	56.48
Onsite	Black Creek Aquifer	OW-16[5]	02/27/23	399828.66	2051993.25	15-25	52.94	16.35	36.59
Onsite	Black Creek Aquifer	OW-17[5]	02/27/23	399433.03	2051661.47	58-68	89.67	49.57	40.10
Onsite	Black Creek Aquifer	OW-18[5]	02/27/23	398846.69	2051836.19	45-55	90.88	42.51	48.37
Onsite	Black Creek Aquifer	OW-19[5]	02/27/23	398067.23	2051976.50	70-80	86.68	45.07	41.61

TABLE A3
GROUNDWATER ELEVATIONS - Q1 2023
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	OW-2	02/27/23	398572.28	2051801.62	63-73	84.37	38.62	45.75
Onsite	Black Creek Aquifer	OW-20[5]	02/27/23	398229.85	2052080.86	48-58	69.59	27.87	41.72
Onsite	Black Creek Aquifer	OW-21[5]	02/27/23	397521.83	2051950.75	57-67	80.85	38.96	41.89
Onsite	Black Creek Aquifer	OW-22[5]	02/27/23	397325.34	2052218.74	43-53	66.63	25.52	41.11
Onsite	Black Creek Aquifer	OW-23[5]	02/27/23	396776.73	2052355.66	45-55	67.83	27.87	39.96
Onsite	Black Creek Aquifer	OW-24[5]	02/27/23	396677.42	2052158.17	50-60	78.67	39.54	39.13
Onsite	Black Creek Aquifer	OW-25[5]	02/27/23	396182.38	2052428.46	45-55	70.91	31.81	39.10
Onsite	Black Creek Aquifer	OW-26[5]	02/27/23	395503.74	2052268.81	50-60	80.85	28.23	52.62
Onsite	Black Creek Aquifer	OW-27[5]	02/27/23	395555.17	2052622.16	33-43	55.60	16.47	39.13
Onsite	Black Creek Aquifer	OW-28	02/27/23	395570.57	2052838.21	20-30	48.49	8.41	40.08
Onsite	Black Creek Aquifer	OW-29[5]	02/27/23	395193.45	2052143.81	42-52	85.67	28.92	56.75
Onsite	Black Creek Aquifer	OW-3	02/27/23	398601.08	2051812.32	63-73	84.64	39.36	45.28
Offsite	Black Creek Aquifer	OW-30	02/27/23	394988.72	2052537.53	49-59	70.92	32.52	38.40
Onsite	Black Creek Aquifer	OW-31[5]	02/27/23	394812.07	2051595.90	85-95	106.10	51.47	54.63
Offsite	Black Creek Aquifer	OW-33	02/27/23	395116.90	2052806.54	19-29	48.59	9.21	39.38
Onsite	Surficial Aquifer	OW-34	02/27/23	398593.54	2051813.31	23-33	83.76	19.39	64.37
Onsite	Surficial Aquifer	OW-35	02/27/23	398060.78	2051977.75	20-30	87.45	21.75	65.70
Onsite	Surficial Aquifer	OW-36	02/27/23	397257.46	2051997.45	11-21	80.61	18.75	61.86
Onsite	Black Creek Aquifer	OW-38[5]	02/27/23	394885.22	2051883.97	60-70	123.70	61.66	62.04
Onsite	Black Creek Aquifer	OW-4	02/27/23	395049.16	2052210.81	47-57	80.85	NM	NM
Offsite	Black Creek Aquifer	OW-40	02/27/23	394588.05	2052521.39	49-59	72.88	32.21	40.67
Onsite	Black Creek Aquifer	OW-41[5]	02/27/23	401683.74	2050119.92	82-92	93.66	46.31	47.35
Onsite	Black Creek Aquifer	OW-42[5]	02/27/23	401696.05	2050448.24	58-68	87.37	40.56	46.81
Onsite	Black Creek Aquifer	OW-43[5]	02/27/23	400937.73	2051116.17	40-50	76.94	43.11	33.83
Onsite	Black Creek Aquifer	OW-44[5]	02/27/23	399741.48	2051736.45	34-44	73.18	36.19	36.99
Onsite	Black Creek Aquifer	OW-45[5]	02/27/23	398836.07	2051955.99	50-60	77.10	35.27	41.83
Onsite	Black Creek Aquifer	OW-46[5]	02/27/23	398164.94	2052050.69	59-69	72.05	30.45	41.60
Onsite	Black Creek Aquifer	OW-47[5]	02/27/23	397243.89	2052136.32	49-59	71.47	30.84	40.63
Onsite	Black Creek Aquifer	OW-48[5]	02/27/23	396698.39	2052275.93	42-52	69.54	30.00	39.54
Onsite	Black Creek Aquifer	OW-49[5]	02/27/23	396180.56	2052348.51	53-63	79.56	40.61	38.95
Onsite	Black Creek Aquifer	OW-5	02/27/23	395070.03	2052196.97	54-64	81.61	NM	NM
Onsite	Black Creek Aquifer	OW-55[5]	02/27/23	401761.92	2050875.02	43-58	75.45	44.91	30.54
Onsite	Black Creek Aquifer	OW-57[5]	02/27/23	401781.20	2050174.65	33-43	68.87	23.61	45.26
Onsite	Black Creek Aquifer	OW-6	02/27/23	396168.41	2052223.54	50-60	80.53	NM	NM
Onsite	Black Creek Aquifer	OW-7	02/27/23	397180.06	2052052.69	57-67	81.45	40.15	41.30
Onsite	Black Creek Aquifer	OW-8	02/27/23	397202.33	2052041.98	57-67	82.30	41.75	40.55
Onsite	Black Creek Aquifer	OW-9	02/27/23	395075.14	2052211.07	54-64	79.78	NM	NM
Onsite	Black Creek Aquifer	PIW-10DR	02/27/23	395093.99	2052297.30	53-58	75.91	19.69	56.22
Onsite	Surficial Aquifer	PIW-10S	02/27/23	395104.95	2052296.98	7-17	76.32	18.71	57.61
Onsite	Black Creek Aquifer	PIW-11	02/27/23	401911.03	2050416.29	47-57	67.02	23.40	43.62
Onsite	Black Creek Aquifer	PIW-12	02/27/23	401703.10	2051025.77	64-74	83.78	54.81	28.97
Onsite	Black Creek Aquifer	PIW-13	02/27/23	401464.29	2051122.60	54-64	83.18	53.76	29.42
Onsite	Black Creek Aquifer	PIW-14	02/27/23	401163.98	2051186.57	56-66	87.43	55.30	32.13
Onsite	Black Creek Aquifer	PIW-15	02/27/23	400706.51	2051532.80	34-44	67.85	34.85	33.00
Onsite	Black Creek Aquifer	PIW-16D	02/27/23	396257.96	2046587.07	90-100	150.06	26.01	124.05
Onsite	Surficial Aquifer	PIW-16S	02/27/23	396267.84	2046586.09	35-45	149.74	22.28	127.46
Onsite	Black Creek Aquifer	PIW-1D	02/27/23	400548.00	2051801.28	24.5-29.5	52.16	18.96	33.20
Onsite	Floodplain Deposits	PIW-1S	02/27/23	400541.03	2051792.39	7.8-17.8	54.04	20.95	33.09
Onsite	Black Creek Aquifer	PIW-2D	02/27/23	399925.40	2051315.80	40-50	96.19	38.54	57.65
Onsite	Black Creek Aquifer	PIW-3D	02/27/23	399711.25	2052086.94	19-24	53.42	16.93	36.49
Onsite	Black Creek Aquifer	PIW-4D	02/27/23	398816.52	2052101.94	32.3-37.3	52.85	8.69	44.16
Onsite	Surficial Aquifer	PIW-5S	02/27/23	398519.70	2051950.49	9.8-19.8	75.02	18.62	56.40
Onsite	Floodplain Deposits	PIW-6S	02/27/23	398117.93	2052539.79	18-28	53.40	14.87	38.53
Onsite	Black Creek Aquifer	PIW-7D	02/27/23	396787.77	2052595.65	29-34	48.93	5.76	43.17
Onsite	Floodplain Deposits	PIW-7S	02/27/23	396786.97	2052589.10	7-17	47.97	8.21	39.76
Onsite	Black Creek Aquifer	PIW-8D	02/27/23	396403.37	2052682.10	35.5-40	48.66	9.83	38.83
Onsite	Black Creek Aquifer	PIW-9D	02/27/23	396155.84	2052250.84	40-45	79.64	NM	NM
Onsite	Surficial Aquifer	PIW-9S	02/27/23	396148.52	2052251.03	24.8-29.8	79.64	NM	NM
Onsite	Perched Zone	PW-01	02/27/23	399064.80	2049654.30	11-21	149.55	14.46	135.09
Onsite	Surficial Aquifer	PW-02	02/27/23	399779.06	2050649.47	50-60	146.43	61.21	85.22
Onsite	Surficial Aquifer	PW-03	02/27/23	397339.81	2050765.32	35-45	147.97	43.36	104.61
Onsite	Surficial Aquifer	PW-04	02/27/23	394659.55	2050940.66	17-27	97.75	29.39	68.36
Onsite	Surficial Aquifer	PW-05	02/27/23	395873.10	2047812.93	65-75	150.34	35.03	115.31
Onsite	Surficial Aquifer	PW-06	02/27/23	392868.00	2045288.77	19-29	147.69	20.58	127.11
Onsite	Surficial Aquifer	PW-07	02/27/23	390847.71	2049258.26	28-38	148.16	DRY	DRY
Onsite	Black Creek Aquifer	PW-09	02/27/23	402000.08	2048979.11	44-54	72.93	25.19	47.74
Onsite	Black Creek Aquifer	PW-10R	02/27/23	398516.12	2051936.59	57-67	75.90	34.38	41.52
Onsite	Black Creek Aquifer	PW-11	02/27/23	394354.36	2052226.72	53-63	73.26	32.23	41.03
Onsite	Black Creek Aquifer	PW-12	02/27/23	399500.45	2047063.51	109-119	150.61	61.44	89.17
Onsite	Black Creek Aquifer	PW-13	02/27/23	397584.26	2048029.18	120-130	149.36	38.53	110.83
Onsite	Black Creek Aquifer	PW-14	02/27/23	397325.65	2050766.36	136-146	147.97	NM	NM
Onsite	Black Creek Aquifer	PW-15R	02/27/23	398900.88	2051011.75	110-120	136.14	DRY	DRY
Onsite	Surficial Aquifer	PZ-1[6]	02/27/23	394928.45	2051910.97	28-38	126.65	38.94	87.71
Onsite	Perched Zone	PZ-11	02/28/23	398646.25	2049820.94	15-20	151.03	10.28	140.75
Onsite	Perched Zone	PZ-12	02/27/23	399091.19	2048978.89	15.1-20.1	149.89	19.00	130.89
Onsite	Perched Zone	PZ-13	02/27/23	397707.82	2050985.25	7.1-12.1	148.14	11.06	137.08
Onsite	Perched Zone	PZ-14	02/27/23	397589.92	2050618.27	9.0-14.0	148.38	12.06	136.32
Onsite	Perched Zone	PZ-15	02/27/23	396806.39	2050107.50	10.2-15.2	147.76	13.40	134.36
Onsite	Perched Zone	PZ-17	02/27/23	396614.82	2048872.69	21.1-26.1	150.08	NM	NM
Onsite	Perched Zone	PZ-19R	02/27/23	397998.66	2049919.52	16-21	150.05	13.75	136.30
Onsite	Surficial Aquifer	PZ-2[6]	02/27/23	396631.77	2052167.77	15-25	78.05	16.50	61.55
Onsite	Perched Zone	PZ-20R	02/27/23	398185.81	2049784.60	15-20	151.29	15.04	136.25
Onsite	Perched Zone	PZ-21R	02/27/23	398445.16	2049883.13	17-22	150.67	13.31	137.36
Onsite	Black Creek Aquifer	PZ-22	02/27/23	397271.94	2052585.34	42.5-47.5	50.70	10.15	40.55
Onsite	Perched Zone	PZ-24	02/27/23	396117.94	2050744.07	11-16	147.53	14.07	133.46
Onsite	Perched Zone	PZ-25R	02/27/23	395971.54	2050748.23	NM	147.51	18.94	128.57
Onsite	Perched Zone	PZ-26	02/27/23	396059.78	2050382.35	11-16	147.70	11.59	136.11
Onsite	Perched Zone	PZ-27	02/27/23	395922.11	2050376.76	12-17	147.17	14.23	132.94
Onsite	Perched Zone	PZ-28	02/27/23	396304.55	2049933.79	13-18	148.64	13.43	135.21

TABLE A3
GROUNDWATER ELEVATIONS - Q1 2023
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (ft, NAVD 88)[4]	Depth to Water (ft from TOC)	Water Level (ft, NAVD88)[4]
Onsite	Perched Zone	PZ-29	02/27/23	396377.59	2049771.59	12-18	147.74	14.80	132.94
Onsite	Perched Zone	PZ-31	02/27/23	396428.73	2049594.36	14-19	148.00	NM	NM
Onsite	Perched Zone	PZ-32	02/27/23	396418.47	2049713.79	13-18	148.47	15.60	132.87
Onsite	Perched Zone	PZ-33	02/27/23	396308.92	2049707.66	12.5-17.5	146.72	NM	NM
Onsite	Perched Zone	PZ-34	02/27/23	396292.05	2049595.04	13.5-18.5	147.70	NM	NM
Onsite	Perched Zone	PZ-35	02/27/23	398232.64	2050020.49	13-18	150.43	13.35	137.08
Onsite	Perched Zone	PZ-36	02/27/23	396086.17	2051331.44	5-8.5	135.20	NM	NM
Onsite	Perched Zone	PZ-37	02/27/23	396042.40	2051050.05	5-8	135.56	NM	NM
Onsite	Perched Zone	PZ-38	02/27/23	395970.01	2050569.66	5-9	137.34	NM	NM
Onsite	Perched Zone	PZ-39	02/27/23	395921.87	2050238.18	5-10	137.93	NM	NM
Onsite	Perched Zone	PZ-40	02/27/23	395943.02	2050031.90	5-9	138.51	NM	NM
Onsite	Perched Zone	PZ-41	02/27/23	395979.29	2050048.97	5-8.5	138.13	NM	NM
Onsite	Perched Zone	PZ-42	02/27/23	395961.73	2050230.23	3-7	138.17	NM	NM
Onsite	Perched Zone	PZ-43	02/27/23	396011.61	2050567.89	5-9	137.06	NM	NM
Onsite	Perched Zone	PZ-44	02/27/23	396082.75	2051045.25	5-7	136.26	NM	NM
Onsite	Perched Zone	PZ-45	02/27/23	396124.41	2051323.03	2-4	135.69	NM	NM
Onsite	Surficial Aquifer	PZ-L	02/27/23	396745.80	2048684.01	13-28	147.86	30.03	117.83
Offsite	Black Creek Aquifer	ROBESON-1D	02/27/23	381416.28	2020158.93	42.75-52.75	156.36	15.46	140.90
Offsite	Surficial Aquifer	ROBESON-1S	02/27/23	381408.19	2020156.86	17-27	156.66	14.32	142.34
Onsite	Surficial Aquifer	SMW-01	02/27/23	395297.97	2043688.29	5.0-15.0	150.58	13.54	137.04
Onsite	Perched Zone	SMW-02	02/27/23	399982.23	2050655.91	5.0-20.0	144.59	DRY	DRY
Onsite	Surficial Aquifer	SMW-02B	02/27/23	399983.75	2050654.77	43.0-53.0	147.93	55.98	91.95
Onsite	Perched Zone	SMW-03	02/27/23	399779.32	2049445.32	10.0-20.0	151.09	NM	NM
Onsite	Black Creek Aquifer	SMW-03B	02/27/23	399785.75	2049421.54	72-82	150.43	62.96	87.47
Onsite	Perched Zone	SMW-04A	02/27/23	399668.71	2048387.57	19.5-34.5	148.09	DRY	DRY
Onsite	Surficial Aquifer	SMW-04B	02/27/23	399666.21	2048392.37	43.0-53.0	147.65	50.75	96.90
Onsite	Perched Zone	SMW-05	02/27/23	399334.07	2048557.33	10.0-20.0	148.10	22.28	125.82
Onsite	Surficial Aquifer	SMW-05PR	02/27/23	399391.46	2049235.07	45.0-60.0	149.66	NM	NM
Onsite	Perched Zone	SMW-06	02/27/23	399172.35	2048759.48	12.0-22.0	150.97	DRY	DRY
Onsite	Surficial Aquifer	SMW-06B	02/27/23	399144.74	2048764.94	58-68	150.32	52.70	97.62
Onsite	Perched Zone	SMW-07	02/27/23	398931.13	2048611.74	13.0-23.0	146.79	19.20	127.59
Onsite	Perched Zone	SMW-08	02/27/23	399064.97	2048468.78	21.0-31.0	151.02	DRY	DRY
Onsite	Surficial Aquifer	SMW-08B	02/27/23	399058.33	2048478.84	58-68	148.81	46.01	102.80
Onsite	Surficial Aquifer	SMW-09	02/27/23	401076.89	2050017.41	52-62	141.43	61.17	80.26
Onsite	Black Creek Aquifer	SMW-10	02/27/23	402307.31	2047923.84	39-49	76.26	29.58	46.68
Onsite	Surficial Aquifer	SMW-11	02/27/23	401996.15	2048975.38	13-23	71.95	15.17	56.78
Onsite	Black Creek Aquifer	SMW-12	02/27/23	401314.20	2051007.22	88-98	118.22	86.92	31.30

Notes:
1 - Area - refers to location of well within site property boundary ("Onsite") and outside property boundary ("Offsite").
2 - Water Bearing Unit - refers to primary aquifer unit well screen is estimated to be screened within.
3 - Northing and Easting provided in North Carolina State Plane System (zone 3200), North American Datum 1983.
4 - Vertical datum is North American Vertical Datum of 1988.
5 - Well is not included in the Black Creek Aquifer groundwater elevation map (Figures A5-3 and ATT3-3).
6 - Well is not included in the Surficial Aquifer groundwater elevation map (Figure A5-2).
DRY - Well was dry at time of monitoring event.
ft - feet
NAVD88 - North American Vertical Datum of 1988
NM - Not measured, well inaccessible during monitoring event.
SPCS NAD83 - State Plane Coordinate System North American Datum 1983
TOC - top of casing

TABLE A4
GROUNDWATER SAMPLE SUMMARY, FIELD PARAMETERS, AND FLOW MEASUREMENTS - Q1 2023
Chemours Fayetteville Works, North Carolina

Area	Location ID	Water Bearing Unit[1]	Adjacent Surface Water Feature	Synoptic Water Level Date	Sample ID	QA/QC	Sample Collection and Field Parameters						
							Sample Date and Time	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temperature (°C)	Dissolved Oxygen (mg/L)	ORP (mV)
Offsite	BLADEN-1DR	Black Creek Aquifer	Georgia Branch Creek	2/27/2023	CAP1Q23-BLADEN-1D-R-021423		2/14/2023 11:30	6.44	76.02	13.40	18.96	0.00	-114.20
Onsite	LTW-01	Floodplain Deposits	Cape Fear River	2/27/2023	CAP1Q23-LTW-01-021623		2/16/2023 09:00	3.81	124.18	2.11	17.64	0.31	320.70
Onsite	LTW-02	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-LTW-02-021623		2/16/2023 10:10	5.08	51.55	1.05	18.82	1.26	100.30
Onsite	LTW-03	Floodplain Deposits	Cape Fear River	2/27/2023	CAP1Q23-LTW-03-022123		2/21/2023 12:00	4.42	109.19	3.37	17.81	0.12	210.60
Onsite	LTW-04	Floodplain Deposits	Cape Fear River	2/27/2023	CAP1Q23-LTW-04-021723		2/17/2023 10:21	4.50	94.51	14.60	18.68	0.09	230.90
Onsite	LTW-05	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-LTW-05-021523		2/15/2023 09:18	4.31	104.02	1.42	18.78	0.29	96.40
Onsite	OW-28	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-OW-28-022023		2/20/2023 11:22	4.54	41.46	0.69	21.08	0.08	-14.70
Onsite	OW-33	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-OW-33-021423		2/14/2023 14:46	4.45	20.98	10.50	17.98	0.11	62.00
Onsite	PIW-1D	Surficial Aquifer	Cape Fear River / Willis Creek	2/27/2023	CAP1Q23-PIW-1D-021623		2/16/2023 14:40	3.62	160.62	15.50	21.20	0.29	407.90
Onsite	PIW-1S	Floodplain Deposits	Cape Fear River / Willis Creek	2/27/2023	CAP1Q23-PIW-1S-021623		2/16/2023 14:00	4.02	207.05	1.74	19.76	1.67	408.50
Onsite	PIW-3D	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-PIW-3D-021623		2/16/2023 12:10	4.59	65.09	1.64	18.77	0.05	121.20
Onsite	PIW-7D	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-PIW-7D-021523		2/15/2023 12:41	4.18	103.27	1.13	18.71	0.75	63.00
Onsite	PIW-7S	Floodplain Deposits	Cape Fear River	2/27/2023	CAP1Q23-PIW-7S-021523		2/15/2023 14:51	5.52	131.56	1.86	18.28	0.01	11.30
Onsite	PW-04	Surficial Aquifer	Old Outfall	2/27/2023	CAP1Q23-PW-04-022323		2/20/2023 10:31	2.99	2130.60	45.80	21.07	0.00	370.50
Onsite	PW-06	Surficial Aquifer	Georgia Branch Creek	2/27/2023	CAP1Q23-PW-06-021423		2/14/2023 15:02	4.19	50.61	2.03	17.29	5.78	159.00
Onsite	PW-06	Surficial Aquifer	Georgia Branch Creek	2/27/2023	CAP1Q23-PW-06-021423-D	Field Duplciate	2/14/2023 15:02	4.19	50.61	2.03	17.29	5.78	159.00
Onsite	PW-07[2]	Surficial Aquifer	Georgia Branch Creek	--	--		--	--	--	--	--	--	--
Onsite	PW-09	Black Creek Aquifer	Willis Creek	2/27/2023	CAP1Q23-PW-09-022023		2/20/2023 12:00	6.77	66.17	25.90	17.48	0.14	-98.70
Onsite	PZ-22	Black Creek Aquifer	Cape Fear River	2/27/2023	CAP1Q23-PZ-22-022023		2/20/2023 14:15	4.56	89.51	13.60	19.20	0.14	74.70
Onsite	SMW-10	Black Creek Aquifer	Willis Creek	2/27/2023	CAP1Q23-SMW-10-022323		2/23/2023 13:34	5.58	87.40	7.13	22.95	0.06	-77.10
Onsite	SMW-11	Surficial Aquifer	Willis Creek	2/27/2023	CAP1Q23-SMW-11-022323		2/23/2023 09:58	4.30	43.13	1.43	17.78	6.31	207.70
Onsite	SMW-11	Surficial Aquifer	Willis Creek	2/27/2023	CAP1Q23-SMW-11-022323-D	Field Duplciate	2/23/2023 09:58	4.30	43.13	1.43	17.78	6.31	207.70
Onsite	SMW-12	Black Creek Aquifer	Willis Creek	2/27/2023	CAP1Q23-SMW-12-022323		2/23/2023 11:02	3.74	263.53	6.01	21.21	0.65	188.30

Notes:
1 - Water Bearing Unit - refers to the primary aquifer unit where the well screen is estimated to be located.
2 - PW-07 was dry during Q1 sampling event and could not be sampled.
-- - not measured/not sampled
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
ORP - oxidation reduction potential
S.U. - Standard Units

TABLE A5
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	CAP1Q23-CFR-BLADEN-022223	CAP1Q23-CFR-KINGS-022423	CAP1Q23-CFR-RM-76-021323	CAP1Q23-CFR-TARHEEL-021323
Sample Date	02/22/2023	02/24/2023	02/13/2023	02/13/2023
QA/QC				
Sample Delivery Group (SDG)	320-97412-1	320-97412-1	320-96848-1	320-96850-1
Lab Sample ID	320-97412-2	320-97412-3	320-96848-1	320-96850-5
Table 3+ SOP (ng/L)				
HFPO-DA	**3.0**	**2.5**	<2.0	<2.0
PFMOAA	<2.0	<2.0	<2.0	<2.0
PFO2HxA	**2.0**	**3.0**	<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	<2.0[4]	**14**
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	**2.2**
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.4**	**3.4**	<2.0	**2.6**
Total Attachment C[1,2]	**5.0**	**5.5**	ND	**14**
Total Table 3+ (17 compounds)[2,3]	**5.0**	**5.5**	ND	**16**
Total Table 3+ (20 compounds)[2]	**5.0**	**5.5**	ND	**16**

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

Location ID	CFR-TARHEEL	CFR-TARHEEL	GBC-5	Lock-Dam North
Field Sample ID	**CAP1Q23-CFR-TARHEEL-021323-D**	**CAP1Q23-CFR-TARHEEL-022223**	**CAP1Q23-GBC-5-021323**	**--**
Sample Date	**02/13/2023**	**02/22/2023**	**02/13/2023**	**--**
QA/QC	**Field Duplicate**			
Sample Delivery Group (SDG)	**320-96850-1**	**320-97412-1**	**320-96848-1**	**--**
Lab Sample ID	**320-96850-6**	**320-97412-1**	**320-96848-3**	**--**
Table 3+ SOP (ng/L)				
HFPO-DA	**2.0**	**2.1**	**660**	**--**
PFMOAA	**2.4**	<2.0	**70**	**--**
PFO2HxA	<2.0	**2.2**	**370**	**--**
PFO3OA	<2.0	<2.0	**64**	**--**
PFO4DA	<2.0	<2.0	**29**	**--**
PFO5DA	<2.0	<2.0	<2.0	**--**
PMPA	**13**	<10	**690**	**--**
PEPA	<20	<20	**230**	**--**
PS Acid	<2.0	<2.0	<2.0	**--**
Hydro-PS Acid	<2.0	<2.0	**23**	**--**
R-PSDA	<2.0	<2.0	**54 J**	**--**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	**--**
R-PSDCA	<2.0	<2.0	<2.0	**--**
NVHOS	<2.0	<2.0	**4.0**	**--**
EVE Acid	<2.0	<2.0	<2.0	**--**
Hydro-EVE Acid	<2.0	<2.0	**3.1**	**--**
R-EVE	<2.0	<2.0	**21 J**	**--**
PES	<2.0	<2.0	<2.0	**--**
PFECA B	<2.0	<2.0	<2.0	**--**
PFECA-G	<2.0	<2.0	<2.0	**--**
Perfluoroheptanoic Acid	**2.5**	**3.8**	**3.2**	**--**
Total Attachment C[1,2]	**17**	**4.3**	**2,100**	**--**
Total Table 3+ (17 compounds)[2,3]	**17**	**4.3**	**2,100**	**--**
Total Table 3+ (20 compounds)[2]	**17**	**4.3**	**2,200**	**--**

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

Location ID	Lock-Dam Seep	OLDOF-1	OUTFALL 002	OUTFALL 002
Field Sample ID	--	**CAP1Q23-OLDOF-1B-021323**	**CAP1Q23-OUTFALL-002-021423**	**CAP1Q23-OUTFALL-002-24-021523**
Sample Date	--	**02/13/2023**	**02/14/2023**	**02/15/2023**
QA/QC				
Sample Delivery Group (SDG)	--	**320-96848-1**	**320-96848-1**	**320-96848-1**
Lab Sample ID	--	**320-96848-4**	**320-96848-5**	**320-96848-6**
Table 3+ SOP (ng/L)				
HFPO-DA	--	**110**	**41**	**41**
PFMOAA	--	**210**	<2.0	**7.5**
PFO2HxA	--	**130**	**4.4**	**5.0**
PFO3OA	--	**48**	<2.0	<2.0
PFO4DA	--	**22**	<2.0	<2.0
PFO5DA	--	**9.7**	<2.0	<2.0
PMPA	--	**55**	**29**	**26**
PEPA	--	<20	<20	<20
PS Acid	--	<2.0	**6.3**	**4.1**
Hydro-PS Acid	--	**4.3**	<2.0	<2.0
R-PSDA	--	<2.0	<2.0	<2.0
Hydrolyzed PSDA	--	<2.0	**24 J**	**18 J**
R-PSDCA	--	<2.0	<2.0	<2.0
NVHOS	--	**4.2**	<2.0	<2.0
EVE Acid	--	<2.0	<2.0	<2.0
Hydro-EVE Acid	--	**2.6**	<2.0	<2.0
R-EVE	--	<2.0	<2.0	<2.0
PES	--	<2.0	<2.0	<2.0
PFECA B	--	<2.0	<2.0	<2.0
PFECA-G	--	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	--	<2.0	<2.0	<2.0
Total Attachment C[1,2]	--	**590**	**81**	**84**
Total Table 3+ (17 compounds)[2,3]	--	**600**	**81**	**84**
Total Table 3+ (20 compounds)[2]	--	**600**	**100**	**100**

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

Location ID	River Water Intake 2	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	RIVER-WATER-INTAKE2-24-021423	CAP1Q23-SEEP-A-EFF-021323	CAP1Q23-SEEP-B-EFF-021323	CAP1Q23-SEEP-C-EFF-021323
Sample Date	02/14/2023	02/13/2023	02/13/2023	02/13/2023
QA/QC				
Sample Delivery Group (SDG)	320-96848-1	320-96850-1	320-96850-1	320-96850-1
Lab Sample ID	320-96848-7	320-96850-1	320-96850-2	320-96850-3
Table 3+ SOP (ng/L)				
HFPO-DA	**2.2**	**33**	**70**	**380**
PFMOAA	<2.0	**44**	**86**	**430**
PFO2HxA	<2.0	**30**	**37**	**280**
PFO3OA	<2.0	**10**	**11**	**110**
PFO4DA	<2.0	**5.0**	**2.8**	**37**
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**20**	**21**	**59**	**160**
PEPA	<20	<20	**34**	**62**
PS Acid	<2.0	**3.2**	**6.2**	<2.0
Hydro-PS Acid	<2.0	<2.0	**3.0**	**7.9**
R-PSDA	<2.0	<2.0	**9.9 J**	**28 J**
Hydrolyzed PSDA	<2.0	**19 J**	**74 J**	**20 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**4.3**	**9.2**
EVE Acid	<2.0	<2.0	**4.8**	<2.0
Hydro-EVE Acid	<2.0	<2.0	**6.7**	**31**
R-EVE	<2.0	<2.0	**7.7 J**	**26 J**
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	**2.1**	<2.0	<2.0	<2.0
Total Attachment C[1,2]	**22**	**150**	**310**	**1,500**
Total Table 3+ (17 compounds)[2,3]	**22**	**150**	**320**	**1,500**
Total Table 3+ (20 compounds)[2]	**22**	**170**	**420**	**1,600**

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

Location ID	SEEP-D-EFF	WC-6	EB
Field Sample ID	CAP1Q23-SEEP-D-EFF-021323	CAP1Q23-WC-6-021323	CAP1Q23-EQBLK-DR-021323
Sample Date	02/13/2023	02/13/2023	02/13/2023
QA/QC			Equipment Blank
Sample Delivery Group (SDG)	320-96850-1	320-96848-1	320-96848-1
Lab Sample ID	320-96850-4	320-96848-2	320-96848-8
Table 3+ SOP (ng/L)			
HFPO-DA	<2.0	**170**	**2.5**
PFMOAA	**10 B**	**300**	**4.5**
PFO2HxA	**2.3 B**	**160**	**2.2**
PFO3OA	<2.0	**30**	<2.0
PFO4DA	<2.0	**6.1**	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	<10	**210**	<10
PEPA	<20	**47**	<20
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	**7.5**	<2.0
R-PSDA	<2.0	**18 J**	<2.0
Hydrolyzed PSDA	<2.0	**110 J**	<2.0
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	<2.0	**7.0**	<2.0
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	**3.1**	<2.0
R-EVE	<2.0	**8.5 J**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Total Attachment C[1,2]	**12**	**930**	**9.2**
Total Table 3+ (17 compounds)[2,3]	**12**	**940**	**9.2**
Total Table 3+ (20 compounds)[2]	**12**	**1,100**	**9.2**

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

Location ID	EB
Field Sample ID	CAP1Q23-EQBLK-IS-021323
Sample Date	02/13/2023
QA/QC	Equipment Blank
Sample Delivery Group (SDG)	320-96850-1
Lab Sample ID	320-96850-7
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[1,2]	ND
Total Table 3+ (17 compounds)[2,3]	ND
Total Table 3+ (20 compounds)[2]	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.

4 - Reanalyzed result under review

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits
Location ID	**BLADEN-1DR**	**LTW-01**	**LTW-02**	**LTW-03**
Field Sample ID	**CAP1Q23-BLADEN-1D-R-021423**	**CAP1Q23-LTW-01-021623**	**CAP1Q23-LTW-02-021623**	**CAP1Q23-LTW-03-022123**
Sample Date	**02/14/2023**	**02/16/2023**	**02/16/2023**	**02/21/2023**
QA/QC				
Sample Delivery Group (SDG)	**320-96856-1**	**320-96927-1**	**320-96927-1**	**320-97053-1**
Lab Sample ID	**320-96856-1**	**320-96927-3**	**320-96927-4**	**320-97053-1**
Table 3+ SOP (ng/L)				
HFPO-DA	**140**	**18,000**	**2,800**	**11,000**
PFMOAA	**19**	**23,000**	**9,300**	**120,000**
PFO2HxA	**66**	**23,000**	**4,800**	**34,000**
PFO3OA	**6.8**	**5,700**	**1,100**	**5,800**
PFO4DA	<2.0	**1,300**	**86**	**200**
PFO5DA	<2.0	**170**	<78	<78
PMPA	**250**	**16,000**	**1,800**	**14,000**
PEPA	**80**	**5,900**	**580**	**3,400**
PS Acid	<2.0	<20	<20	<20
Hydro-PS Acid	<2.0	**310**	<6.1	<6.1
R-PSDA	**9.5 J**	**960 J**	<71	**1,000 J**
Hydrolyzed PSDA	<2.0	**560 J**	**270 J**	**7,100 J**
R-PSDCA	<2.0	<17	<17	<17
NVHOS	<2.0	**390**	**160**	**1,300**
EVE Acid	<2.0	<17	<17	<17
Hydro-EVE Acid	<2.0	**160**	<14	**71**
R-EVE	**4.4 J**	**550 J**	<72	**520 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	**46**	**4.7**	**26**
Total Attachment C[2,3]	**560**	**93,000**	**20,000**	**190,000**
Total Table 3+ (17 compounds)[3,4]	**560**	**94,000**	**21,000**	**190,000**
Total Table 3+ (20 compounds)[3]	**580**	**96,000**	**21,000**	**200,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-04	LTW-05	OW-28	OW-33
Field Sample ID	CAP1Q23-LTW-04-021723	CAP1Q23-LTW-05-021523	CAP1Q23-OW-28-022023	CAP1Q23-OW-33-021423
Sample Date	02/17/2023	02/15/2023	02/20/2023	02/14/2023
QA/QC				
Sample Delivery Group (SDG)	320-97053-1	320-96926-1	320-97053-1	320-96856-1
Lab Sample ID	320-97053-2	320-96926-4	320-97053-3	320-96856-4
Table 3+ SOP (ng/L)				
HFPO-DA	**18,000**	**18,000**	**4,800**	**5,300**
PFMOAA	**55,000**	**120,000**	**1,500**	**7,900**
PFO2HxA	**23,000**	**36,000**	**2,500**	**4,700**
PFO3OA	**4,400**	**8,300**	**510**	**810**
PFO4DA	**630**	**2,100**	**110**	<59
PFO5DA	<78	<78	<78	<78
PMPA	**17,000**	**4,000**	**5,000**	**4,800**
PEPA	**6,400**	**620**	**1,900**	**2,000**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**170**	**190**	**75**	**29**
R-PSDA	**2,000 J**	**490 J**	**340 J**	**280 J**
Hydrolyzed PSDA	**4,200 J**	**880 J**	<38	<38
R-PSDCA	<17	**19**	<17	<17
NVHOS	**1,300**	**1,100**	**110**	**170**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**500**	**750**	<14	<14
R-EVE	**2,000 J**	**610 J**	**190 J**	**130 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**66**	**210**	**7.2**	**5.6**
Total Attachment C[2,3]	**120,000**	**190,000**	**16,000**	**26,000**
Total Table 3+ (17 compounds)[3,4]	**130,000**	**190,000**	**17,000**	**26,000**
Total Table 3+ (20 compounds)[3]	**130,000**	**190,000**	**17,000**	**26,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PIW-1S	PIW-1D	PIW-3D	PIW-7D
Field Sample ID	CAP1Q23-PIW-1S-021623	CAP1Q23-PIW-1D-021623	CAP1Q23-PIW-3D-021623	CAP1Q23-PIW-7D-021523
Sample Date	02/16/2023	02/16/2023	02/16/2023	02/15/2023
QA/QC				
Sample Delivery Group (SDG)	320-96927-1	320-96927-1	320-96927-1	320-96926-1
Lab Sample ID	320-96927-5	320-96927-6	320-96927-7	320-96926-5
Table 3+ SOP (ng/L)				
HFPO-DA	**7,400**	**9,800**	**12,000**	**17,000**
PFMOAA	**2,000**	**12,000**	**9,400**	**140,000**
PFO2HxA	**4,700**	**8,800**	**12,000**	**47,000**
PFO3OA	**900**	**1,500**	**2,200**	**9,200**
PFO4DA	**440**	**430**	**940**	**1,700**
PFO5DA	<78	<78	**130**	<78
PMPA	**4,400**	**7,800**	**9,500**	**5,100**
PEPA	**1,900**	**2,600**	**3,700**	**1,100**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**210**	**87**	**240**	**180**
R-PSDA	<71	**330 J**	**520 J**	**710 J**
Hydrolyzed PSDA	<38	<38	<38	**1,200 J**
R-PSDCA	<17	<17	<17	<17
NVHOS	<15	**190**	**190**	**1,200**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**62**	**31**	**72**	**610**
R-EVE	**180 J**	**190 J**	**220 J**	**870 J**
PES	<6.7	<6.7	<6.7	**12**
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**18**	**16**	**32**	**140**
Total Attachment C[2,3]	**22,000**	**43,000**	**50,000**	**220,000**
Total Table 3+ (17 compounds)[3,4]	**22,000**	**43,000**	**50,000**	**220,000**
Total Table 3+ (20 compounds)[3]	**22,000**	**44,000**	**51,000**	**230,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7S	PW-04	PW-04	PW-06
Field Sample ID	CAP1Q23-PIW-7S-021523	CAP1Q23-PW-04-022323	CAP1Q23-PW-04-022323-Z	CAP1Q23-PW-06-021423
Sample Date	02/15/2023	02/23/2023	02/23/2023	02/14/2023
QA/QC				
Sample Delivery Group (SDG)	320-96926-1	320-97134-1	320-97134-1	320-96856-1
Lab Sample ID	320-96926-6	320-97134-5	320-97134-6	320-96856-2
Table 3+ SOP (ng/L)				
HFPO-DA	**15,000**	**730**	**750**	**2,000**
PFMOAA	**18,000**	**300**	<80	<80
PFO2HxA	**13,000**	**640**	**640**	**1,100**
PFO3OA	**5,100**	**330**	**270**	**130 J**
PFO4DA	**660**	**63**	<59	**95**
PFO5DA	<78	<78	<78	<78
PMPA	**11,000**	**860**	**780**	**1,200**
PEPA	**4,500**	**330**	**290**	**570**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**340**	**22**	<6.1	**42**
R-PSDA	**1,200 J**	**160 J**	<71	<71
Hydrolyzed PSDA	<38	<38	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**830**	<15	<15	<15
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**650**	<14	<14	<14
R-EVE	**1,400 J**	<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	**71**	**6.6**	**6.2**	**8.2**
Total Attachment C[2,3]	**68,000**	**3,300**	**2,700**	**5,100**
Total Table 3+ (17 compounds)[3,4]	**69,000**	**3,300**	**2,700**	**5,100**
Total Table 3+ (20 compounds)[3]	**72,000**	**3,400**	**2,700**	**5,100**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-06	PW-07[5]	PW-09[6]	PW-09
Field Sample ID	CAP1Q23-PW-06-021423-D	--	CAP1Q23-PW-09-022023	CAP1Q23-PW-09-022023-Z
Sample Date	02/14/2023	--	02/20/2023	02/20/2023
QA/QC	Field Duplicate			
Sample Delivery Group (SDG)	320-96856-1	--	320-97056-1	320-97056-1
Lab Sample ID	320-96856-3	--	320-97056-1	320-97056-2
Table 3+ SOP (ng/L)				
HFPO-DA	**2,200**	--	<81	<81
PFMOAA	**190 J**	--	<80	<80
PFO2HxA	**1,100**	--	<27	<27
PFO3OA	**170 J**	--	<39	<39
PFO4DA	**110**	--	<59	<59
PFO5DA	<78	--	<78	<78
PMPA	**1,400**	--	<620	<620
PEPA	**620**	--	<20	<20
PS Acid	<20	--	<20	<20
Hydro-PS Acid	**40**	--	<6.1	<6.1
R-PSDA	<71	--	<71	<71
Hydrolyzed PSDA	<38	--	<38	<38
R-PSDCA	<17	--	<17	<17
NVHOS	<15	--	<15	<15
EVE Acid	<17	--	<17	<17
Hydro-EVE Acid	<14	--	<14	<14
R-EVE	<72	--	<72	<72
PES	<6.7	--	<6.7	<6.7
PFECA B	<27	--	<27	<27
PFECA-G	<48	--	<48	<48
Perfluoroheptanoic Acid	**7.8**	--	<2.0	<2.0
Total Attachment C[2,3]	**5,800**	--	ND	ND
Total Table 3+ (17 compounds)[3,4]	**5,800**	--	ND	ND
Total Table 3+ (20 compounds)[3]	**5,800**	--	ND	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PZ-22	SMW-10[6]	SMW-11	SMW-11
Field Sample ID	CAP1Q23-PZ-22-022023	CAP1Q23-SMW-10-022323	CAP1Q23-SMW-11-022323	CAP1Q23-SMW-11-022323-D
Sample Date	02/20/2023	02/23/2023	02/23/2023	02/23/2023
QA/QC				Field Duplicate
Sample Delivery Group (SDG)	320-97053-1	320-97134-1	320-97134-1	320-97134-1
Lab Sample ID	320-97053-5	320-97134-1	320-97134-2	320-97134-3
Table 3+ SOP (ng/L)				
HFPO-DA	**13,000**	<81	**5,200**	**6,400**
PFMOAA	**140,000**	**100**	**4,900**	**5,200**
PFO2HxA	**38,000**	<27	**2,800**	**2,900**
PFO3OA	**3,600**	<39	**580**	**590**
PFO4DA	**120**	<59	**300**	**330**
PFO5DA	<78	<78	<78	<78
PMPA	**5,000**	<620	**2,200**	**2,500**
PEPA	**1,200**	<20	**670**	**750**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**28**	<6.1	**67**	**70**
R-PSDA	**540 J**	<71	**170 J**	**270 J**
Hydrolyzed PSDA	**890 J**	<38	**44 J**	**52 J**
R-PSDCA	<17	<17	<17	<17
NVHOS	**1,100**	<15	**84**	**96**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**46**	<14	<14	<14
R-EVE	**450 J**	<72	**120 J**	**120 J**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**20**	<2.0	**19**	**18**
Total Attachment C[2,3]	**200,000**	**100**	**17,000**	**19,000**
Total Table 3+ (17 compounds)[3,4]	**200,000**	**100**	**17,000**	**19,000**
Total Table 3+ (20 compounds)[3]	**200,000**	**100**	**17,000**	**19,000**

TABLE A6
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	CAP1Q23-SMW-12-022323	CAP1Q23-EQBLK-PP-021423	CAP1Q23-EQBLK-DV-021723	CAP1Q23-EQBLK-DV-022223
Sample Date	02/23/2023	02/14/2023	02/17/2023	02/22/2023
QA/QC		Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-97134-1	320-96856-1	320-96926-1	320-97056-1
Lab Sample ID	320-97134-4	320-96856-5	320-96926-7	320-97056-4
Table 3+ SOP (ng/L)				
HFPO-DA	**1,500**	<2.0	<2.0	<2.0
PFMOAA	**2,900**	<2.0	<2.0	<2.0
PFO2HxA	**1,200**	<2.0	<2.0	<2.0
PFO3OA	**78**	<2.0	<2.0	<2.0
PFO4DA	<59	<2.0	<2.0	<2.0
PFO5DA	<78	<2.0	<2.0	<2.0
PMPA	**2,300**	<10	<10	<10
PEPA	**460**	<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	**150 J**	<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	**48**	<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	**97 J**	<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]	**8,400**	ND	ND	ND
Total Table 3+ (17 compounds)[3,4]	**8,500**	ND	ND	ND
Total Table 3+ (20 compounds)[3]	**8,700**	ND	ND	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**--**	**--**
Location ID	**EB**	**EB**
Field Sample ID	**CAP1Q23-EQBLK-DV-022223-Z**	**CAP1Q23-EQBLK-PP-022223**
Sample Date	**02/22/2023**	**02/22/2023**
QA/QC	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-97056-1**	**320-97056-1**
Lab Sample ID	**320-97056-5**	**320-97056-3**
Table 3+ SOP (ng/L)		
HFPO-DA	<2.0	<2.0
PFMOAA	<2.0	<2.0
PFO2HxA	<2.0	<2.0
PFO3OA	<2.0	<2.0
PFO4DA	<2.0	<2.0
PFO5DA	<2.0	<2.0
PMPA	<10	<10
PEPA	<20	<20
PS Acid	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0
R-PSDA	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0
R-PSDCA	<2.0	<2.0
NVHOS	<2.0	<2.0
EVE Acid	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0
R-EVE	<2.0	<2.0
PES	<2.0	<2.0
PFECA B	<2.0	<2.0
PFECA-G	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Total Attachment C[2,3]	ND	ND
Total Table 3+ (17 compounds)[3,4]	ND	ND
Total Table 3+ (20 compounds)[3]	ND	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	**--**
Location ID	**EB[6]**
Field Sample ID	**CAP1Q23-EQBLK-BAILER-022323**
Sample Date	**02/23/2023**
QA/QC	**Equipment Blank**
Sample Delivery Group (SDG)	**320-97134-1**
Lab Sample ID	**320-97134-7**
Table 3+ SOP (ng/L)	
HFPO-DA	<81
PFMOAA	<80
PFO2HxA	<27
PFO3OA	<39
PFO4DA	<59
PFO5DA	<78
PMPA	<620
PEPA	<20
PS Acid	<20
Hydro-PS Acid	<6.1
R-PSDA	<71
Hydrolyzed PSDA	<38
R-PSDCA	<17
NVHOS	<15
EVE Acid	<17
Hydro-EVE Acid	<14
R-EVE	<72
PES	<6.7
PFECA B	<27
PFECA-G	<48
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
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 - PW-07 was not sampled because the well was dry.
6 - Samples were analyzed using high level method and have been requested to be reanalyzed using low level method. Results are pending.

TABLE A7-1
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]	8,613	12	4.53	12	4.53	12	4.53
2	Willis Creek	7.44	930	0.30	940	0.31	1,100	0.36
3	Aerial Deposition on Water Features	--	--	5.5E-03	--	5.5E-03	--	5.7E-03
4	Outfall 002[5]	9.77	59	0.03	59	0.03	78	0.03
4A	Stormwater Treatment System[6]	--	--	--	--	--		
5	Onsite Groundwater (Lower Bound)[7,8]	--	--	1.51	--	1.51	--	1.54
	Onsite Groundwater (Upper Bound)[7,8]	--	--	1.83	--	1.84	--	1.87
6A	Seep A[8]	0.47	120,000	2.46	130,000	2.67	150,000	3.08
6B	Seep B[8]	0.24	190,000	1.99	190,000	1.99	240,000	2.51
6C	Seep C[8]	0.13	80,000	0.44	82,000	0.45	84,000	0.47
6D	Seep D[8]	0.06	92,000	0.25	94,000	0.26	97,000	0.27
6E	Lock and Dam Seep	--	--	--	--	--		
6F	Lock and Dam Seep North	--	--	--	--	--		
7	Old Outfall 002[9]	0.50	45,000	0.98	46,000	1.01	47,000	1.03
8	Offsite Adjacent and Downstream Groundwater	--	--	1.71	--	1.71	--	1.71
9	Georgia Branch Creek	1.34	2,100	0.12	2,100	0.12	2,200	0.13
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Lower Bound)				**14.3**		**14.6**		**15.6**
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Upper Bound)				**14.7**		**14.9**		**16.0**

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. During the February sampling event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.

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

9 - For February 2023, 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 A7-2
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]	8,613	12	4.53	12	4.53	12	4.53
2	Willis Creek	7.44	930	0.30	940	0.31	1,100	0.36
3	Aerial Deposition on Water Features	--	--	0.01	--	0.01	--	0.01
4	Outfall 002[5]	9.77	59	0.03	59	0.03	78	0.03
4A	Stormwater Treatment System[6]	--	--	--	--	--	--	--
5	Onsite Groundwater (Lower Bound)[7,8]	--	--	1.51	--	1.51	--	1.54
	Onsite Groundwater (Upper Bound)[7,8]	--	--	1.83	--	1.84	--	1.87
6A	Seep A[8]	0.47	150	3.1E-03	150	3.1E-03	170	3.5E-03
6B	Seep B[8]	0.24	310	3.2E-03	320	3.3E-03	420	4.4E-03
6C	Seep C[8]	0.13	1500	8.3E-03	1,500	8.3E-03	1,600	8.9E-03
6D	Seep D[8]	0.06	12.0	3.3E-05	12.0	3.3E-05	12.0	3.3E-05
6E	Lock and Dam Seep	--	--	--	--	--	--	--
6F	Lock and Dam Seep North	--	--	--	--	--	--	--
7	Old Outfall 002[9]	0.50	590	0.01	600	0.01	600	0.01
8	Offsite Adjacent and Downstream Groundwater	--	--	1.71	--	1.71	--	1.71
9	Georgia Branch Creek	1.34	2,100	0.12	2,100	0.12	2,200	0.13
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Lower Bound)				**8.23**		**8.24**		**8.33**
Calculated Total Table 3+ Loading (mg/s) at Tar Heel (Upper Bound)				**8.55**		**8.56**		**8.66**

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. During the February sampling event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.

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

9 - For February 2023, 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 A8
CAPE FEAR RIVER TOTAL TABLE 3+ (17 COMPOUNDS) RELATIVE MASS DISCHARGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	February 2023	
	Lower	Upper
[1] Upstream River Water and Groundwater	31%	30%
[2] Willis Creek	2%	2%
[3] Aerial Deposition on Water Features	<1%	<1%
[4] Outfall 002	<1%	<1%
Outfall 002 (After Remedies) [2]	--	--
[5] Onsite Groundwater[3]	10%	12%
[6] Seeps	37%	36%
Seeps (After Remedies) [4]	*<1%*	*<1%*
[7] Old Outfall 002	7%	7%
Old Outfall 002 (After Remedies) [5]	*<1%*	*<1%*
[8] Offsite Adjacent and Downstream Groundwater	12%	11%
[9] Georgia Branch Creek	1%	1%

Notes:

< - less than indicated value.

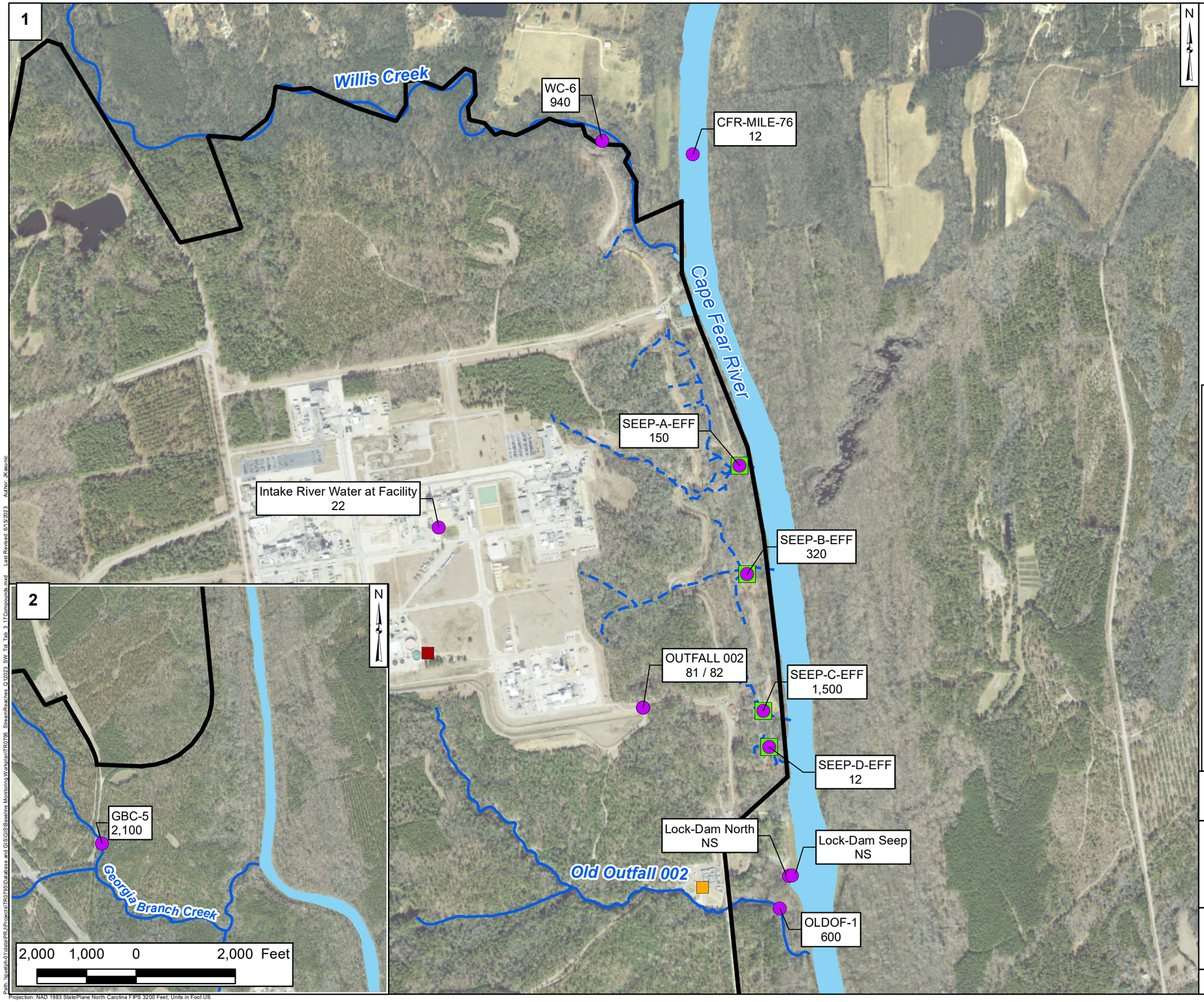
1 - Relative contributions were calculated using the before remedies Total Table 3+ (17 compounds) model-estimated mass discharges (Table A7-1). These relative contributions are presented as a range, which represents the upper and lower bound model estimates. Relative contributions for Total Attachment C and Total Table 3+ (20 compounds) are provided in Attachment ATT1-11.

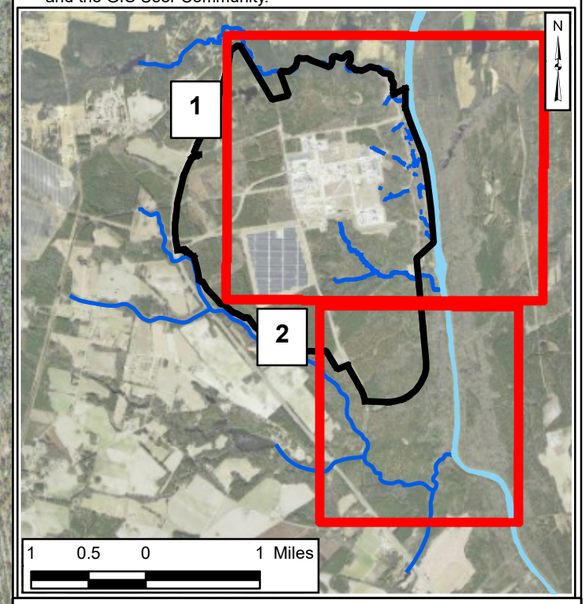
2 - The Outfall 002 (After Remedies) relative contributions for February 2023 were calculated using the After Remedies model-estimated mass discharge at the Stormwater Treatment System (Tables A7-2). The Stormwater Treatment System captures stormwater flows in the conveyance network surrounding the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. During the February 2023 sampling event there was no stormwater flow to the stormwater treatment system; therefore was no relative contribution from Outfall 002 (after remedies).

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

4 - The Seeps (After Remedies) relative contributions for February 2023 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D (Tables A7-2).

5 - The Old Outfall 002 (After Remedies) relative contributions for February 2023 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables A7-2).





Legend

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

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

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

1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - February 2023

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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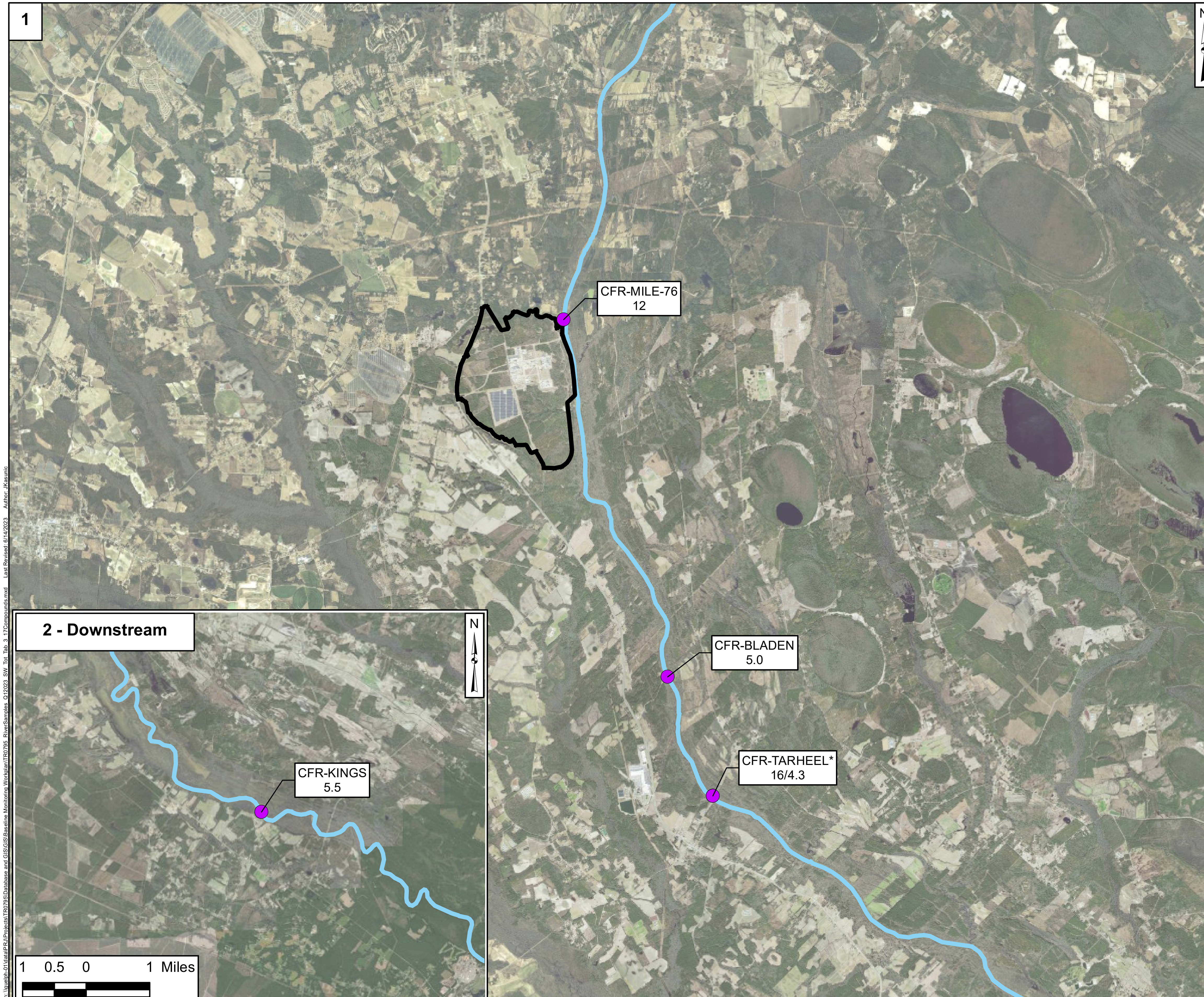
Figure
A1

Path: \\ualph-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring\Workplan\TR0795_StreamReaches_Q12023_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 6/15/2023 Author: JKeaunic

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



Legend

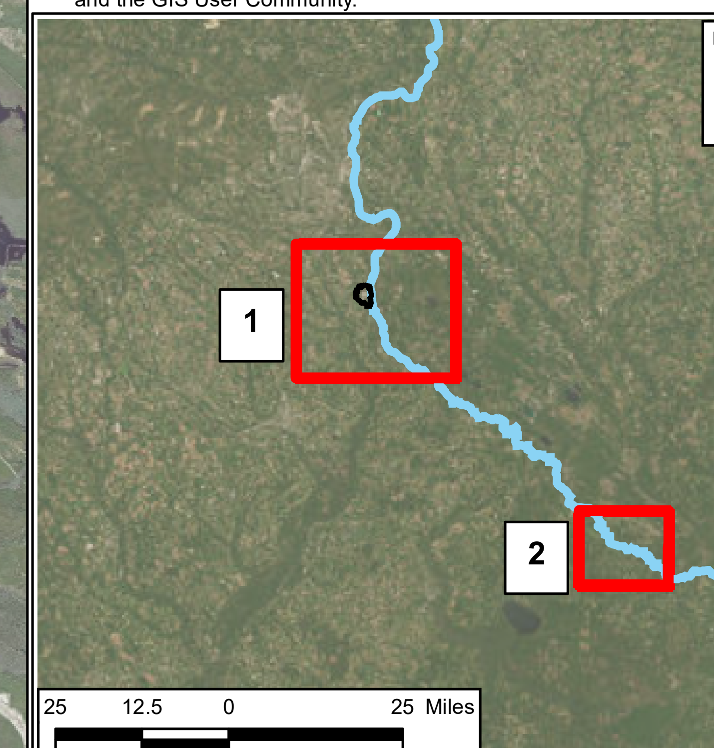
- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN 63 — Location Name; Total Table 3+ Concentration (ng/L)

Notes:

* - Multiple results are shown at CFR-TARHEEL for two grab samples collected on February 13 and 22, 2023. No composite sample was collected at CFR-TARHEEL during the mass loading model event.

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



2 1 0 2 Miles

Cape Fear River Total Table 3+ Concentrations (17 Compounds) - February 2023

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Figure **A2**

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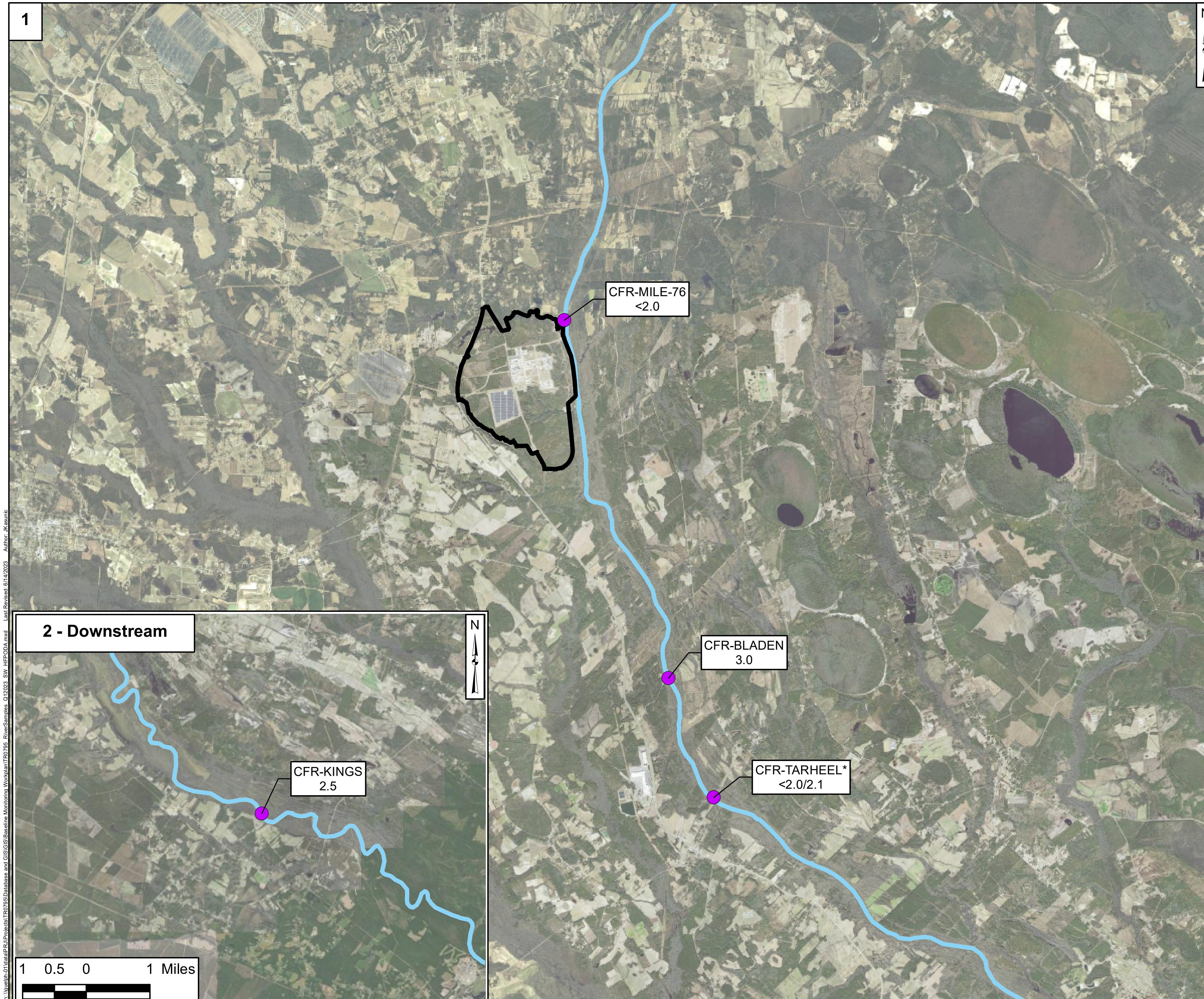
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

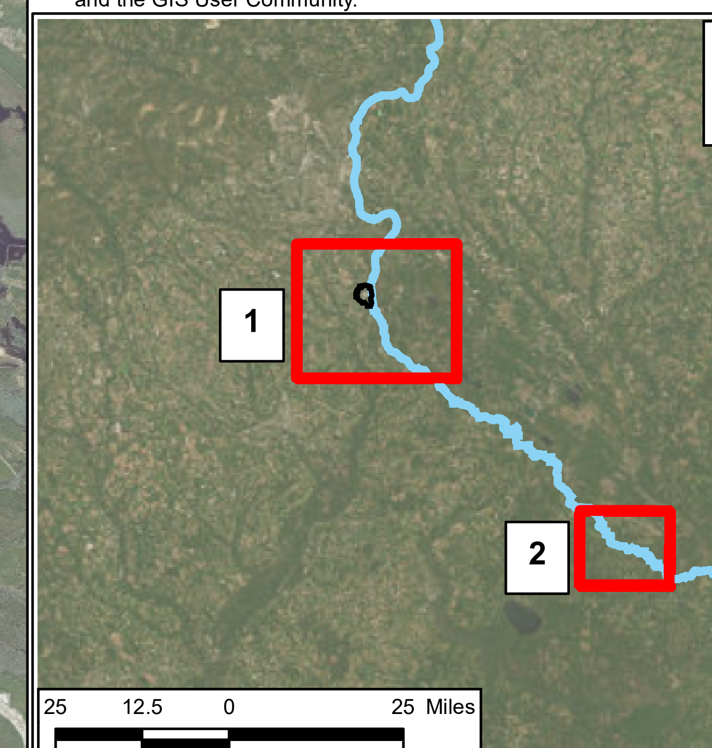


Legend

- Sample Location
- Cape Fear River
- Site Boundary

CFR-BLADEN — Location Name
8.5 — HFPO-DA Concentration (ng/L)

Notes:
* - Multiple results are shown at CFR-TARHEEL for two grab samples collected on February 13 and 22, 2023. No composite sample was collected at CFR-TARHEEL during the mass loading model event.
< - 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.



2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations February 2023

Chemours Fayetteville Works, North Carolina

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

1

SMW-10
100

Willis Creek

PW-09
ND

SMW-11
17,000

SMW-12
8,400

PIW-1D
43,000

PIW-1S
22,000

PIW-3D
50,000

LTW-01
93,000

Seep A

LTW-03
190,000

LTW-02
20,000

Seep B

PZ-22
200,000

LTW-04
120,000

LTW-05
190,000

PIW-7D
220,000

PIW-7S
68,000

Seep C

OW-28
16,000

Seep D

OW-33
26,000

PW-04
3,300

PW-11
NS

Old Outfall 002

Cape Fear River

PW-06
5,100

PW-07
NS

2

Georgia Branch Creek

BLADEN-1DR
560

500 250 0 500 Feet

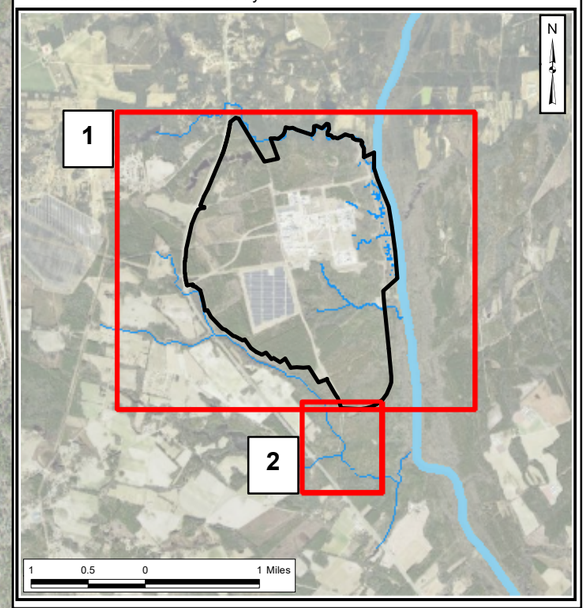
N

Legend

- Surficial Aquifer
- 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
ND - no Table 3+ analytes (17 compounds) were detected above the associated reporting limits

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 - Q1 2023

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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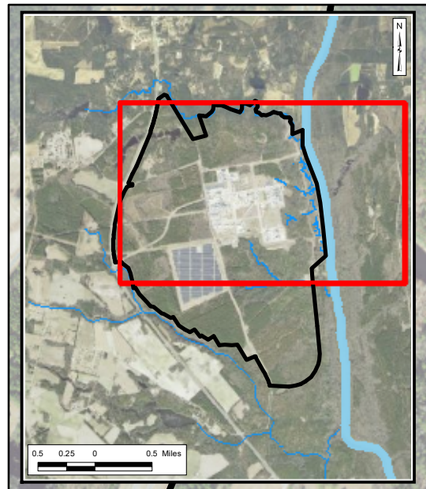
Figure **A4**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0796_GW_MW_Tot_Tab_3_Q12023_17Compounds.mxd Last Revised: 6/15/2023 Author: JKasunic

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



Willis Creek

Cape Fear River

SMW-03
NM

SMW-04A
DRY

SMW-05
125.82

SMW-06
DRY

SMW-08
DRY

SMW-07
127.59

PZ-12
130.89

PW-01
135.09

PZ-11
140.75

PZ-21R
137.36

PZ-35
137.08

PZ-20R
136.25

FTA-01
133.22

FTA-02
131.89

FTA-03
132.57

PZ-19R
136.30

MW-24
128.61

MW-12S
130.76

MW-7S
136.75

MW-8S
NM

MW-1S
129.78

MW-9S
132.97

PZ-15
134.36

PZ-17
NM

PZ-28
135.21

MW-11
NM

PZ-41
NM

PZ-42
NM

PZ-40
NM

PZ-39
NM

PZ-26
136.11

PZ-27
132.94

PZ-43
NM

PZ-38
NM

PZ-25R
128.57

SMW-02
DRY

NAF-03
135.38

NAF-06
133.86

NAF-07
139.28

NAF-11A
133.94

NAF-02
138.92

NAF-04
139.16

NAF-12
138.99

NAF-08A
139.08

NAF-01
138.82

NAF-10
137.27

PZ-13
137.08

NAF-09
136.82

MW-30
135.01

PZ-14
136.32

MW-25
133.56

MW-26
135.87

MW-23
133.87

PZ-45
NM

MW-27
132.48

PZ-36
NM

PZ-44
NM

PZ-37
NM

MW-28
129.96

PZ-24
133.46

Seep A

Seep B

Seep C

Seep D

130

135

140

Pilot Test Area for PlumeStop™

PZ-31
NM

PZ-32
132.87

MW-31
NM

PZ-29
132.94

MW-34
NM

MW-35
132.13

PZ-33
NM

PZ-34
NM

MW-33
NM

MW-36
132.20

MW-32
NM

70 35 0 70 Feet

Legend

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

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

1. Depth to water measurements collected on February 27-28, 2023.
2. Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours and potentiometric surfaces are impacted from these activities and should be considered estimates.
3. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
4. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
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, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - February 2023

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

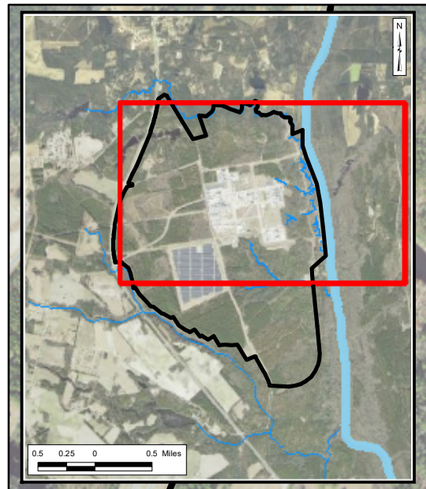
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | June 2023

Figure
A5-1

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Perched_Q120123.mxd Last Revised: 6/29/2023 Author: JKasunic

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



Willis Creek

SMW-11
56.78

INSITU-02
NM

INSITU-01
82.68

MW-19D
84.42

SMW-09
80.26

MW-20D
85.51

MW-18D
85.15

SMW-02B
91.95

PW-02
85.22

SMW-04B
96.90

MW-21D
101.50

SMW-05PR
NM

SMW-06B
97.62

NAF-11B
DRY

OW-34
64.37

MW-22D
108.07

SMW-08B
102.80

MW-15DRR
98.23

MW-17D
111.31

MW-16D
107.32

NAF-08B
92.78

PIW-5S
56.40

OW-35
65.70

PW-03
104.61

MW-13D
100.10

OW-36
61.86

MW-14D
104.19

PZ-L
117.83

PIW-16S
127.46

PW-05
115.31

PIW-9S
NM

SMW-01
137.04

PIW-10S
57.61

PW-04
68.36

Cape Fear River

Seep A

Seep B

Seep C

Seep D

60 70 80 90 100 110 120 130

N

Legend

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

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

1. Depth to water measurements collected on February 27-28, 2023.
2. Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours and potentiometric surfaces are impacted from these activities and should be considered estimates.
3. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
4. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
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, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - February 2023

Chemours Fayetteville Works, North Carolina

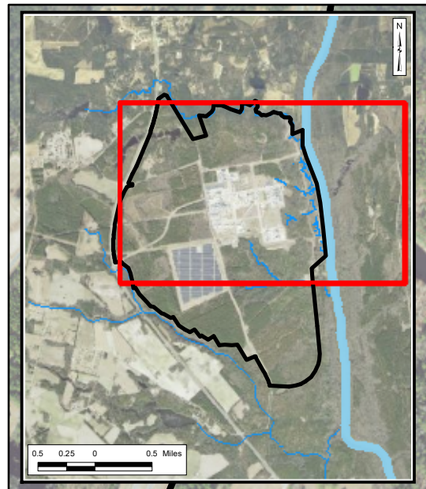
Geosyntec consultants

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

Raleigh | June 2023

Figure
A5-2

Author: JKasunic
Last Revised: 6/29/2023
Path: P:\PR\JP projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Surficial_Q12023.mxd
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Willis Creek

SMW-10 46.68
PW-09 47.74
PIW-11 43.62
PIW-12 28.97
SMW-12 31.30
PIW-13 29.42
PIW-14 32.13
PIW-15 33.00
PIW-1S 33.09
PIW-1D 33.20
PIW-3D 36.49
LTW-01 36.70
OW-1 57.66
OW-10 57.62
EW-1 57.40
PIW-2D 57.65
SMW-03B 87.47
BCA-01 NM
PW-12 89.17
PW-15R DRY
BCA-03R 96.22
LTW-02 43.03
PIW-4D 44.16
EW-4 47.29
OW-2 45.75
OW-3 45.28
PW-10R 41.52
LTW-03 38.49
PIW-6S 38.53
PW-13 110.83
PW-14 NM
PZ-22 40.55
LTW-04 40.16
EW-5 40.57
OW-7 41.30
OW-8 40.55
PIW-7S 39.76
PIW-7D 43.17
LTW-05 38.81
PIW-8D 38.83
PIW-9D NM
BCA-02 NM
EW-2 NM
OW-6 NM
PIW-16D 124.05
BCA-04 116.41
OW-28 40.08
PIW-10DR 56.22
EW-3 NM
OW-4 NM
OW-5 NM
OW-9 NM
OW-33 39.38
PW-11 41.03

Cape Fear River

Seep A
Seep B
Seep C
Seep D

10 20 30 40 50 60 70 80 90 100 110 120

N

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
NM - Not Measured; Well is inaccessible while it is being pumped for the Black Creek Aquifer interim pumping program.

1. Depth to water measurements collected on February 27-28, 2023.
2. Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours and potentiometric surfaces are impacted from these activities and should be considered estimates.
3. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
4. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
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, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - February 2023

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | June 2023

Figure
A5-3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q12023.mxd Last Revised: 6/29/2023 Author: JKasunic

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

Geosyntec consultants

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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)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume [2] (gal)	Total Volume[3] (gal)
02/13/23 13:53	253	3790.9	72.6	1088.5	4879.4
Instantaneous Flow Rate (gpm)		325			

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.

2 - The wet weather (rainfall) event on February 13, 2023 caused some portions of the influent to be diverted past the flow through cell (FTC) via the Bypass Spillway located to the side of the FTC inlet wier. Bypass Spillway volumes are calculated as the total volume of flow diverted past the flow through cell (FTC) via the bypass spillway for the duration of the interval (15 mins).

3 - Total volume flows during wet weather (rainfall) event are calculated as the sum of the volume of flow passing through the flow throgh cell and the volume of flow diverted past the flow through cell via the bypass spillway.

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume [2] (gal)	Total Volume[3] (gal)
02/13/23 10:37	118	1763.7	0	0	1763.7
Instantaneous Flow Rate (gpm)		166			

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.

2 - The wet weather (rainfall) event on February 13, 2023 caused some portions of the influent to be diverted past the flow through cell (FTC) via the Bypass Spillway located to the side of the FTC inlet wier. Bypass Spillway volumes are calculated as the total volume of flow diverted past the flow through cell (FTC) via the bypass spillway for the duration of the interval (15 mins).

3 - Total volume flows during wet weather (rainfall) event are calculated as the sum of the volume of flow passing through the flow throgh cell and the volume of flow diverted past the flow through cell via the bypass spillway.

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume [2] (gal)	Total Volume[3] (gal)
02/13/23 14:27	88	1317.8	0	0	1317.8
Instantaneous Flow Rate (gpm)		88			

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.

2 - The wet weather (rainfall) event on February 13, 2023 caused some portions of the influent to be diverted past the flow through cell (FTC) via the Bypass Spillway located to the side of the FTC inlet wier. Bypass Spillway volumes are calculated as the total volume of flow diverted past the flow through cell (FTC) via the bypass spillway for the duration of the interval (15 mins).

3 - Total volume flows during wet weather (rainfall) event are calculated as the sum of the volume of flow passing through the flow throgh cell and the volume of flow diverted past the flow through cell via the bypass spillway.

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

Date/Time	Flow Rate (gpm)	Flow Volume[1] (gal)
02/13/23 14:44	43.5	652.0
Instantaneous Flow Rate (gpm)		43

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	0.00	0.00	0.24	0.00
T	1	0.00		0.14		
M	1	0.08		0.48		
B	1	0.17	0.21	0.18	0.55	0.11
T	2	0.00		0.68		
M	2	0.13		0.61		
B	2	0.25	0.31	0.28	0.61	0.19
T	3	0.00		0.75		
M	3	0.19		0.60		
B	3	0.38	0.38	0.22	0.58	0.22
T	4	0.00		0.78		
M	4	0.19		0.55		
B	4	0.38	0.44	0.13	0.45	0.19
T	5	0.00		0.49		
M	5	0.25		0.34		
B	5	0.50	0.31	0.15	0.19	0.06
T	6	0.00		0.06		
M	6	0.06		0.03		
B	6	0.13	0.06	0.01	0.02	0.00
North Bank	7	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	0.77
(gpm)	346
(L/s)	22

Associated Measurement Notes
Location: Chemours Fayetteville
Station: OLDOF-1
Date: February 13, 2023

Acronyms
- - data not measured or calculated
B - Bottom depth of water
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second
M - Middle depth of water
T - Top depth of water (i.e., 0 ft)

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	0.65	0.00	0.06	0.04
T	1	0.00		0.20		
M	1	0.65		0.12		
B	1	1.30	1.15	0.02	0.25	0.29
T	2	0.00		0.38		
M	2	0.50		0.38		
B	2	1.00	0.84	0.17	0.40	0.33
T	3	0.00		0.46		
M	3	0.34		0.41		
B	3	0.68	0.73	0.38	0.42	0.30
T	4	0.00		0.41		
M	4	0.39		0.42		
B	4	0.78	0.78	0.34	0.35	0.27
T	5	0.00		0.32		
M	5	0.39		0.27		
B	5	0.78	0.84	0.30	0.27	0.22
T	6	0.00		0.32		
M	6	0.45		0.26		
B	6	0.90	0.95	0.24	0.21	0.19
T	7	0.00		0.09		
M	7	0.50		0.15		
B	7	1.00	1.05	0.08	0.10	0.10
T	8	0.00		0.01		
M	8	0.55		0.04		
B	8	1.10	1.10	0.01	0.05	0.05
T	9	0.00		0.03		
M	9	0.55		0.05		
B	9	1.10	1.30	0.06	0.09	0.12
T	10	0.00		0.14		
M	10	0.75		0.13		
B	10	1.50	1.70	0.10	0.23	0.38
T	11	0.00		0.37		
M	11	0.95		0.32		
B	11	1.90	2.05	0.24	0.28	0.57
T	12	0.00		0.44		
M	12	1.10		0.24		
B	12	2.20	2.25	0.22	0.28	0.63
T	13	0.00		0.47		
M	13	1.15		0.32		
B	13	2.30	2.30	0.32	0.33	0.75
T	14	0.00		0.62		
M	14	1.15		0.33		
B	14	2.30	2.25	0.34	0.45	1.00
T	15	0.00		0.53		
M	15	1.10		0.56		
B	15	2.20	2.15	0.42	0.48	1.03
T	16	0.00		0.31		
M	16	1.05		0.40		
B	16	2.10	2.10	0.29	0.41	0.85
T	17	0.00		0.25		
M	17	1.05		0.41		
B	17	2.10	2.05	0.41	0.43	0.87
T	18	0.00		0.39		
M	18	1.00		0.44		
B	18	2.00	2.10	0.54	0.46	0.97
T	19	0.00		0.35		
M	19	1.10		0.48		
B	19	2.20	2.40	0.35	0.49	1.16
T	20	0.00		0.45		

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)
M	20	1.30		0.49		
B	20	2.60	2.15	0.24	0.41	0.87
T	21	0.00		0.25		
M	21	0.85		0.32		
B	21	1.70	1.18	0.12	0.35	0.41
T	22	0.00		0.52		
M	22	0.33		0.37		
B	22	0.65	0.58	0.06	0.19	0.11
T	23	0.00		0.02		
M	23	0.25		0.00		
B	23	0.50	0.25	0.00	0.00	0.00
North Bank	24	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			11.5
			(gpm)			5,169
			(L/s)			326

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 06 (SW-WC-06)
Date: February 13, 2023

Acronyms
- - data not measured or calculated
B - Bottom depth of water
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second
M - Middle depth of water
T - Top depth of water (i.e., 0 ft)

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	0.50	0.00	0.03	0.02
T	1	0.00		0.13		
M	1	0.50		0.06		
B	1	1.00	1.25	0.14	0.07	0.08
T	2	0.00		0.06		
M	2	0.75		0.07		
B	2	1.50	1.50	0.01	0.06	0.09
T	3	0.00		0.09		
M	3	0.75		0.05		
B	3	1.50	1.50	0.03	0.11	0.17
T	4	0.00		0.24		
M	4	0.75		0.17		
B	4	1.50	1.50	0.04	0.23	0.35
T	5	0.00		0.35		
M	5	0.75		0.29		
B	5	1.50	1.38	0.02	0.27	0.37
T	6	0.00		0.31		
M	6	0.63		0.25		
B	6	1.25	1.13	0.01	0.24	0.26
T	7	0.00		0.33		
M	7	0.50		0.22		
B	7	1.00	1.04	0.16	0.27	0.28
T	8	0.00		0.28		
M	8	0.54		0.31		
B	8	1.08	1.29	0.26	0.25	0.32
T	9	0.00		0.10		
M	9	0.75		0.18		
B	9	1.50	1.08	0.19	0.13	0.14
T	10	0.00		0.12		
M	10	0.33		0.08		
B	10	0.66	0.33	0.02	0.04	0.01
North Bank	11	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			2.1
			(gpm)			932
			(L/s)			59

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 05 (SW-GB-05)
Date: February 13, 2023

Acronyms
- - data not measured or calculated
B - Bottom depth of water
ft - feet
ft^2 - square feet
ft^3/s - cubic feet per second
gpm - gallons per minute
L/s - liters per second
M - Middle depth of water
T - Top depth of water (i.e., 0 ft)

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

Q1 2023 Quarterly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
February 2023[1]	02/14/2023	12.432	12,432,000	10.2	5,266,333
	02/15/2023	9.681	9,681,000	11.2	4,504,354
	2/14/2023 1:50:00 PM to 2/15/2023 12:50:00 PM			21.3	9,770,688

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 12:50 PM on 2/15/23 approximated based or flow rates for 2/14/23 and 2/15/23.
Acronyms:
gal - gallons
MGD - millions of gallons per day

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

Q1 2023 Quarterly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Grab Sample Instantaneous Flow Rate (ft^3/s)[2]
February 2023	Upstream River Water and Groundwater	02/13/23 13:00	William O Huske Lock and Dam	15,000

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

Q1 2023 Quarterly Event	Date	Intake Flow River Water Total Daily Flow Average (gpm)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
February 2023[1]	02/13/23	8,409	12,108,919	11.0	5,541,512
	02/14/23	8,224	11,841,916	12.02	5,929,181
	2/13/2023 13:01:00 PM to 2/14/2023 12:01:00 PM			23.0	11,470,694

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 12:01 pm on 2/14/23 approximated based or flow rates for 2/13/23 and 2/14/23.
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]	February 2023			
	Total Attachment C[2]		Total Table 3+ (20 Compounds)	
	Lower	Upper	Lower	Upper
[1] Upstream River Water and Groundwater	32%	31%	29%	28%
[2] Willis Creek	2%	2%	2%	2%
[3] Aerial Deposition on Water Features	<1%	<1%	<1%	<1%
[4] Outfall 002	<1%	<1%	<1%	<1%
Outfall 002 (After Remedies)[3]	--	--	--	--
[5] Onsite Groundwater[4]	11%	13%	10%	12%
[6] Seeps	36%	35%	40%	40%
Seeps (After Remedies)[5]	*<1%*	*<1%*	*<1%*	*<1%*
[7] Old Outfall 002	7%	7%	7%	6%
Old Outfall 002 (After Remedies)[6]	*<1%*	*<1%*	*<1%*	*<1%*
[8] Offsite Adjacent and Downstream Groundwater	12%	12%	11%	11%
[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 A7-1). 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 February 2023 were calculated using the After Remedies model-estimated mass discharge at the Stormwater Treatment System (Tables A7-2). 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. During the February 2023 sampling event there was no stormwater flow to the stormwater treatment system; therefore was no relative contribution from Outfall 002 (after remedies).

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

5 - The Seeps (After Remedies) relative contributions for February 2023 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D (Tables A7-2).

6 - The Old Outfall 002 (After Remedies) relative contributions for February 2023 were calculated using the After Remedies model-estimated mass discharges at Old Outfall 002 (Tables A7-2).

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	CFR-TARHEEL	GBC-5
Field Sample ID	CAP1Q23-CFR-BLADEN-022223	CAP1Q23-CFR-KINGS-022423	CAP1Q23-CFR-RM-76-021323	CAP1Q23-CFR-TARHEEL-021323	CAP1Q23-CFR-TARHEEL-021323-D	CAP1Q23-CFR-TARHEEL-022223	CAP1Q23-GBC-5-021323
Sample Date	02/22/23	02/24/23	02/13/23	02/13/23	02/13/23	02/22/23	02/13/23
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-97412-1	320-97412-1	320-96848-1	320-96850-1	320-96850-1	320-97412-1	320-96848-1
Lab Sample ID	320-97412-2	320-97412-3	320-96848-1	320-96850-5	320-96850-6	320-97412-1	320-96848-3
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	**5.4**	**5.0**	**3.3**	**3.7**	**3.7**	**5.5**	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0 UJ	<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 UJ	<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	**3.4**	**3.4**	<2.0	**2.6**	**2.5**	**3.8**	**3.2**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**3.7**	**4.5**	**3.4**	**3.9**	**4.1**	**4.6**	<2.0
Perfluorohexanoic Acid	**5.9**	**5.6**	**4.6**	**5.0**	**4.8**	**6.5**	**3.0**
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 UJ	<2.0 UJ	<2.0	<2.0	<2.0	<2.0 UJ	<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	**6.6**	**6.0**	**4.4**	**5.9**	**6.8**	**6.8**	**10**
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	**7.2**	**7.0**	**4.7**	**4.6**	**5.1**	**7.2**	**4.2**
PFOS	**9.7**	**12**	**9.7**	**8.3**	**7.9**	**11**	**2.2 J**

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

Location ID	Lock-Dam North	Lock-Dam Seep	OLDOF-1	OUTFALL 002	OUTFALL 002	River Water Intake 2	SEEP-A-EFF
Field Sample ID	--	--	CAP1Q23-OLDOF-1B-021323	CAP1Q23-OUTFALL-002-021423	CAP1Q23-OUTFALL-002-24-021523	RIVER-WATER-INTAKE2-24-021423	CAP1Q23-SEEP-A-EFF-021323
Sample Date	--	--	02/13/23	02/14/23	02/15/23	02/14/23	02/13/23
QA/QC							
Sample Matrix	--	--	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	--	--	320-96848-1	320-96848-1	320-96848-1	320-96848-1	320-96850-1
Lab Sample ID	--	--	320-96848-4	320-96848-5	320-96848-6	320-96848-7	320-96850-1
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
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	**2.6**	<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	**2.1**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	--	--	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	--	--	<2.0	<2.0	<2.0	**2.7**	<2.0
Perfluorohexanoic Acid	--	--	<2.0	**3.1**	**2.4**	**4.3**	<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	--	--	**2.7**	**3.6**	**2.2**	**4.3**	<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	**3.5**	**2.8**	**4.4**	<2.0
PFOS	--	--	<2.0	**5.0**	**4.4**	**6.4**	<2.0

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

Location ID	SEEP-B-EFF	SEEP-C-EFF	SEEP-D-EFF	WC-6	EB	EB
Field Sample ID	CAP1Q23-SEEP-B-EFF-021323	CAP1Q23-SEEP-C-EFF-021323	CAP1Q23-SEEP-D-EFF-021323	CAP1Q23-WC-6-021323	CAP1Q23-EQBLK-DR-021323	CAP1Q23-EQBLK-IS-021323
Sample Date	02/13/23	02/13/23	02/13/23	02/13/2023	02/13/2023	02/13/2023
QA/QC					Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-96850-1	320-96850-1	320-96850-1	320-96848-1	320-96848-1	320-96850-1
Lab Sample ID	320-96850-2	320-96850-3	320-96850-4	320-96848-2	320-96848-8	320-96850-7
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	**3.7**	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<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	<2.0	<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	<2.0	<2.0	<2.0	**2.1 J**	<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	**2.9**	**12**	<2.0	**4.3**	<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	<2.0	<2.0	<2.0	**3.7**	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0	**2.3 J**	<2.0	<2.0

Notes:

1 - Lock-Dam North and Lock-Dam Seep were not sampled because both locations were flooded with river water during the wet weather event.

Bold - Analyte detected above associated reporting limit

B - Analyte detected in an associated blank

EPA - Environmental Protection Agency

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

TABLE ATT1-13
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-1DR	LTW-01	LTW-02	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP1Q23-BLADEN-1D-R-021423	CAP1Q23-LTW-01-021623	CAP1Q23-LTW-02-021623	CAP1Q23-LTW-03-022123	CAP1Q23-LTW-04-021723	CAP1Q23-LTW-05-021523
Sample Date	02/14/23	02/16/23	02/16/23	02/21/2023	02/17/23	02/15/23
QA/QC						
Sample Delivery Group (SDG)	320-96856-1	320-96927-1	320-96927-1	320-97053-1	320-97053-1	320-96926-1
Lab Sample ID	320-96856-1	320-96927-3	320-96927-4	320-97053-1	320-97053-2	320-96926-4
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	**4.2**	<2.0	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	**170**	**30**	**130**	**310**	**230**
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	**46**	**4.7**	**26**	**66**	**210**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	**6.0**	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**22**	**3.3**	**16**	**35**	**38**
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	**3.6**	**320**	**99**	**600**	**1,200**	**1,300**
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	**10**	**4.1**
PFOS	<2.0	**9.9 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	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	**OW-28**	**OW-33**	**PIW-1S**	**PIW-1D**	**PIW-3D**	**PIW-7D**	**PIW-7S**
Field Sample ID	**CAP1Q23-OW-28-022023**	**CAP1Q23-OW-33-021423**	**CAP1Q23-PIW-1S-021623**	**CAP1Q23-PIW-1D-021623**	**CAP1Q23-PIW-3D-021623**	**CAP1Q23-PIW-7D-021523**	**CAP1Q23-PIW-7S-021523**
Sample Date	**02/20/23**	**02/14/2023**	**02/16/2023**	**02/16/2023**	**02/16/2023**	**02/15/2023**	**02/15/2023**
QA/QC							
Sample Delivery Group (SDG)	**320-97053-1**	**320-96856-1**	**320-96927-1**	**320-96927-1**	**320-96927-1**	**320-96926-1**	**320-96926-1**
Lab Sample ID	**320-97053-3**	**320-96856-4**	**320-96927-5**	**320-96927-6**	**320-96927-7**	**320-96926-5**	**320-96926-6**
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	<2.0	<2.0	<2.0	**2.2**	<2.0	**3.6**
Perfluorobutanoic Acid	**51**	**45**	**51**	**83**	**110**	**290**	**210**
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	**7.2**	**5.6**	**18**	**16**	**32**	**140**	**71**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	**8.6**	<2.0	**3.4**	<2.0	**4.1**
Perfluorohexanoic Acid	**9.9**	**7.8**	**7.7**	**9.5**	**15**	**49**	**30**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	**4.1**	<2.0	**5.2**	<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	**68**	**93**	**78**	**150**	**150**	**1,500**	**630**
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	**4.3**	<2.0	**69**	**18**	**44**	**4.5**	**17**
PFOS	<2.0	<2.0	**22**	<2.0	**15**	<2.0	**6.4 J**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PW-04	PW-04	PW-06	PW-06	PW-09	PW-07	PW-09
Field Sample ID	CAP1Q23-PW-04-022323	CAP1Q23-PW-04-022323-Z	CAP1Q23-PW-06-021423	CAP1Q23-PW-06-021423-D	CAP1Q23-PW-09-022023	--	CAP1Q23-PW-09-022023-Z
Sample Date	02/23/2023	02/23/2023	02/14/2023	02/14/2023	02/20/2023	--	02/20/2023
QA/QC				Field Duplicate			
Sample Delivery Group (SDG)	320-97134-1	320-97134-1	320-96856-1	320-96856-1	320-97056-1	--	320-97056-1
Lab Sample ID	320-97134-5	320-97134-6	320-96856-2	320-96856-3	320-97056-1	--	320-97056-2
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	**8.3**	**8.5**	**10 J**	**10**	<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	**6.6**	**6.2**	**8.2**	**7.8**	<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	**2.7**	**2.7**	**4.5**	**4.6**	<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	**18**	**17**	**21**	**22**	<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	<2.0	<2.0	**12**	**14**	<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]	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	--
Location ID	PZ-22	SMW-10	SMW-11	SMW-12	SMW-12	EB
Field Sample ID	CAP1Q23-PZ-22-022023	CAP1Q23-SMW-10-022323	CAP1Q23-SMW-11-022323	CAP1Q23-SMW-11-022323-D	CAP1Q23-SMW-12-022323	CAP1Q23-EQBLK-PP-021423
Sample Date	02/20/2023	02/23/2023	02/23/2023	02/23/2023	02/23/2023	02/14/2023
QA/QC				Field Duplicate		Equipment Blank
Sample Delivery Group (SDG)	320-97053-1	320-97134-1	320-97134-1	320-97134-1	320-97134-1	320-96856-1
Lab Sample ID	320-97053-5	320-97134-1	320-97134-2	320-97134-3	320-97134-4	320-96856-5
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	**120**	<5.0	**26**	**25**	**19**	<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	**20**	<2.0	**19**	**18**	<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	**17**	<2.0	**13**	**12**	<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	**820**	<2.0	**48**	**44**	**43**	<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	<2.0	**120**	**120**	<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**	**EB**	**EB**
Field Sample ID	**CAP1Q23-EQBLK-DV-021723**	**CAP1Q23-EQBLK-DV-022223**	**CAP1Q23-EQBLK-DV-022223-Z**	**CAP1Q23-EQBLK-PP-022223**	**CAP1Q23-EQBLK-BAILER-022323**
Sample Date	**02/17/2023**	**02/22/2023**	**02/22/2023**	**02/22/2023**	**02/23/2023**
QA/QC	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-96926-1**	**320-97056-1**	**320-97056-1**	**320-97056-1**	**320-97134-1**
Lab Sample ID	**320-96926-7**	**320-97056-4**	**320-97056-5**	**320-97056-3**	**320-97134-7**
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- PW-07 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.
-- - Not measured / Not Applicable

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)	8613	7.4	9.8	--
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	CAP1Q23-CFR-RM-76-021323	CAP1Q23-WC-6-021323	CAP1Q23-OUTFALL-002-24-021523	--
Sample Date and Time[2]	02/13/23	02/13/23	02/15/23	--
Sample Delivery Group (SDG)	320-96848-1	320-96848-1	320-96848-1	--
Lab Sample ID	320-96848-1	320-96848-2	320-96848-6	--
Sample Type	Grab	Grab	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.06**	**0.02**	--
PFMOAA	ND	**0.10**	ND	--
PFO2HxA	ND	**0.05**	ND	--
PFO3OA	ND	**0.01**	ND	--
PFO4DA	ND	**2.0E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**4.53**	**0.07**	**2.6E-03**	--
PEPA	ND	**0.02**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.4E-03**	ND	--
R-PSDA	ND	**5.9E-03**	ND	--
Hydrolyzed PSDA	ND	**0.04**	ND	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	ND	**2.3E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.0E-03**	ND	--
R-EVE	ND	**2.8E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**4.53**	**0.30**	**0.03**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**4.53**	**0.31**	**0.03**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**4.53**	**0.36**	**0.03**	--

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[5,6]	Onsite Groundwater - Upper Bound[5,6]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.47	0.24	0.13
Program	--	--	Seep Flow Through Cell Sampling 2023	Seep Flow Through Cell Sampling 2023	Seep Flow Through Cell Sampling 2023
Location ID	--	--	SEEP-A-INF	SEEP-B-INF	SEEP-C-INF
Field Sample ID	--	--	SEEP-A-INFLUENT-306-021323	SEEP-B-INFLUENT-306-021323	SEEP-C-INFLUENT-306-021323
Sample Date and Time[2]	--	--	02/13/23	02/13/23	02/13/23
Sample Delivery Group (SDG)	--	--	320-96801-1	320-96801-1	320-96801-1
Lab Sample ID	--	--	320-96801-1	320-96801-3	320-96801-6
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.20**	**0.20**	**0.45**	**0.43**	**0.09**
PFMOAA	**0.78**	**1.03**	**0.94**	**0.65**	**0.18**
PFO2HxA	**0.30**	**0.36**	**0.51**	**0.26**	**0.09**
PFO3OA	**0.05**	**0.06**	**0.16**	**0.07**	**0.03**
PFO4DA	**0.01**	**0.01**	**0.08**	**0.01**	**1.1E-02**
PFO5DA	**0.00**	**0.00**	**0.04**	**2.9E-03**	**4.4E-04**
PMPA	**0.13**	**0.12**	**0.21**	**0.30**	**0.03**
PEPA	**0.05**	**0.04**	**0.08**	**0.18**	**0.01**
PS Acid	ND	ND	**0.04**	**2.0E-02**	ND
Hydro-PS Acid	**1.8E-03**	**1.8E-03**	**0.02**	**1.3E-02**	**1.6E-03**
R-PSDA	**0.01**	**0.01**	**0.03**	**0.05**	**3.4E-03**
Hydrolyzed PSDA	**5.6E-03**	**0.01**	**0.41**	**0.39**	**3.9E-03**
R-PSDCA	**1.5E-05**	**2.0E-05**	**4.5E-04**	**6.6E-04**	ND
NVHOS, Acid Form	**0.01**	**0.01**	**1.8E-02**	**0.03**	**3.0E-03**
EVE Acid	ND	ND	**5.1E-03**	**1.7E-02**	ND
Hydro-EVE Acid	**2.2E-03**	**2.8E-03**	**0.02**	**2.9E-02**	**5.5E-03**
R-EVE	**5.9E-03**	**6.8E-03**	**0.01**	**3.0E-02**	**3.3E-03**
PES	**2.3E-05**	**3.4E-05**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**1.51**	**1.83**	**2.46**	**1.99**	**0.44**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**1.51**	**1.84**	**2.67**	**1.99**	**0.45**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**1.54**	**1.87**	**3.08**	**2.51**	**0.47**

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)	0.06	--	--	0.50
Program	Seep Flow Through Cell Sampling 2023	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23	NPDES Sampling 2/23
Location ID	SEEP-D-INF	Lock-Dam Seep	Lock-Dam North	Old Outfall 002 Influent
Field Sample ID	SEEP-D-INFLUENT-306-021323	--	--	Influent-0223
Sample Date and Time[2]	02/13/23	--	--	02/13/23
Sample Delivery Group (SDG)	320-96801-1	--	--	410-115528-1
Lab Sample ID	320-96801-8	--	--	410-115528-2
Sample Type	Composite	--	--	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	**0.04**	--	--	**0.14**
PFMOAA	**0.12**	--	--	**0.48**
PFO2HxA	**0.05**	--	--	**0.18**
PFO3OA	**0.02**	--	--	**0.05**
PFO4DA	**0.00**	--	--	**0.02**
PFO5DA	**2.7E-04**	--	--	**0.01**
PMPA	**0.02**	--	--	**0.07**
PEPA	**0.00**	--	--	ND
PS Acid	ND	--	--	**0.02**
Hydro-PS Acid	**6.6E-04**	--	--	**0.01**
R-PSDA	**2.1E-03**	--	--	**0.01**
Hydrolyzed PSDA	**0.01**	--	--	**0.02**
R-PSDCA	ND	--	--	ND
NVHOS, Acid Form	**1.7E-03**	--	--	**0.01**
EVE Acid	ND	--	--	ND
Hydro-EVE Acid	**3.0E-03**	--	--	**4.4E-03**
R-EVE	**1.9E-03**	--	--	ND
PES	ND	--	--	ND
PFECA B	ND	--	--	ND
PFECA-G	ND	--	--	ND
Total Attachment C Mass Discharge[8,9]	**0.25**	--	--	**0.98**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.26**	--	--	**1.01**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.27**	--	--	**1.03**

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)	1.3		
Program	CAP SW Sampling 4Q22		
Location ID	GBC-5		
Field Sample ID	CAP1Q23-GBC-5-021323		
Sample Date and Time[2]	02/13/23		
Sample Delivery Group (SDG)	320-96848-1		
Lab Sample ID	320-96848-3		
Sample Type	Grab		
Table 3+ Lab SOP Mass Discharge[7] (mg/s)			
HFPO-DA	**0.04**	**1.46**	**1.47**
PFMOAA	**4.1E-03**	**3.25**	**3.50**
PFO2HxA	**0.02**	**1.46**	**1.53**
PFO3OA	**3.8E-03**	**0.40**	**0.41**
PFO4DA	**1.7E-03**	**0.15**	**0.15**
PFO5DA	ND	**0.05**	**0.05**
PMPA	**0.04**	**5.40**	**5.39**
PEPA	**0.01**	**0.35**	**0.35**
PS Acid	ND	**0.08**	**0.08**
Hydro-PS Acid	**1.4E-03**	**0.04**	**0.04**
R-PSDA	**3.2E-03**	**0.12**	**0.12**
Hydrolyzed PSDA	ND	**0.87**	**0.87**
R-PSDCA	ND	**1.1E-03**	**1.1E-03**
NVHOS, Acid Form	**2.4E-04**	**0.07**	**0.07**
EVE Acid	ND	**2.2E-02**	**2.2E-02**
Hydro-EVE Acid	**0.000**	**0.06**	**0.06**
R-EVE	**1.2E-03**	**0.06**	**0.06**
PES	ND	**2.3E-05**	**3.4E-05**
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.12**	**12.6**	**12.9**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.12**	**12.9**	**13.2**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.13**	**13.9**	**14.3**

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. During the February 2023 Sampling Event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.
5 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in 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 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.
7 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A6, and flow volumes reported in Table A2.
8 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A6, which are rounded to two significant figures.
9 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
10 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
MG - 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)	8613	7.4	9.8	--
Program	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23	STS Compliance Sampling
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP1Q23-CFR-RM-76-021323	CAP1Q23-WC-6-021323	CAP1Q23-OUTFALL-002-24-021523	--
Sample Date and Time[2]	02/13/23	02/13/23	02/15/23	--
Sample Delivery Group (SDG)	320-96848-1	320-96848-1	320-96848-1	--
Lab Sample ID	320-96848-1	320-96848-2	320-96848-6	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	**0.06**	**1.7E-02**	--
PFMOAA	ND	**0.10**	ND	--
PFO2HxA	ND	**0.05**	ND	--
PFO3OA	ND	**0.01**	ND	--
PFO4DA	ND	**2.0E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**4.53**	**0.07**	**2.6E-03**	--
PEPA	ND	**0.02**	ND	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**2.4E-03**	ND	--
R-PSDA	ND	**5.9E-03**	ND	--
Hydrolyzed PSDA	ND	**0.04**	ND	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	ND	**2.3E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	**1.0E-03**	ND	--
R-EVE	ND	**2.8E-03**	ND	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
Total Attachment C Mass Discharge[8,9]	**4.53**	**0.30**	**0.03**	--
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**4.53**	**0.31**	**0.03**	--
Total Table 3+ Mass Discharge (20 Compounds)[8]	**4.53**	**0.36**	**0.03**	--

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[5,6]	Onsite Groundwater - Upper Bound[5,6]	Seep A	Seep B	Seep C
Flow (MG)	--	--	0.47	0.24	0.13
Program	--	--	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23
Location ID	--	--	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	--	--	CAP1Q23-SEEP-A-EFF-021323	CAP1Q23-SEEP-B-EFF-021323	CAP1Q23-SEEP-C-EFF-021323
Sample Date and Time[2]	--	--	02/13/23	02/13/23	02/13/23
Sample Delivery Group (SDG)	--	--	320-96850-1	320-96850-1	320-96850-1
Lab Sample ID	--	--	320-96850-1	320-96850-2	320-96850-3
Sample Type	--	--	Composite	Composite	Composite
Table 3+ Lab SOP Mass Discharge[7] (mg/s)					
HFPO-DA	**0.20**	**0.20**	**6.8E-04**	**7.3E-04**	**2.1E-03**
PFMOAA	**0.78**	**1.03**	**9.0E-04**	**9.0E-04**	**2.4E-03**
PFO2HxA	**0.30**	**0.36**	**6.2E-04**	**3.9E-04**	**1.6E-03**
PFO3OA	**0.05**	**0.06**	**2.1E-04**	**1.2E-04**	**6.1E-04**
PFO4DA	**0.01**	**0.01**	**1.0E-04**	**2.9E-05**	**2.1E-04**
PFO5DA	**2.4E-04**	**2.0E-04**	ND	ND	ND
PMPA	**0.13**	**0.12**	**4.3E-04**	**6.2E-04**	**8.9E-04**
PEPA	**0.05**	**0.04**	ND	**3.6E-04**	**3.4E-04**
PS Acid	ND	ND	**6.6E-05**	**6.5E-05**	ND
Hydro-PS Acid	**1.8E-03**	**1.8E-03**	ND	**3.1E-05**	**4.4E-05**
R-PSDA	**0.01**	**0.01**	ND	**1.0E-04**	**1.6E-04**
Hydrolyzed PSDA	**5.6E-03**	**0.01**	**3.9E-04**	**7.74E-04**	**1.1E-04**
R-PSDCA	**1.5E-05**	**2.0E-05**	ND	ND	ND
NVHOS, Acid Form	**0.01**	**0.01**	ND	**4.5E-05**	**5.1E-05**
EVE Acid	ND	ND	ND	**5.0E-05**	ND
Hydro-EVE Acid	**2.2E-03**	**2.8E-03**	ND	**7.0E-05**	**1.7E-04**
R-EVE	**5.9E-03**	**6.8E-03**	ND	**8.1E-05**	**1.4E-04**
PES	**2.3E-05**	**3.4E-05**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**1.51**	**1.83**	**3.1E-03**	**3.2E-03**	**8.3E-03**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**1.51**	**1.84**	**3.1E-03**	**3.3E-03**	**8.3E-03**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**1.54**	**1.87**	**3.5E-03**	**4.4E-03**	**8.9E-03**

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)	**0.06**	**--**	**--**	**0.50**
Program	**CAP SW Sampling 1Q23**	**CAP SW Sampling 1Q23**	**CAP SW Sampling 1Q23**	**CAP SW Sampling 1Q23**
Location ID	**SEEP-D-EFF**	**Lock-Dam Seep**	**Lock-Dam North**	**OLDOF-1**
Field Sample ID	**CAP1Q23-SEEP-D-EFF-021323**	**--**	**--**	**CAP1Q23-OLDOF-1B-021323**
Sample Date and Time[2]	**02/13/23**	**--**	**--**	**02/13/23**
Sample Delivery Group (SDG)	**320-96850-1**	**--**	**--**	**320-96848-1**
Lab Sample ID	**320-96850-4**	**--**	**--**	**320-96848-4**
Sample Type	**Composite**	**--**	**--**	**Composite**
Table 3+ Lab SOP Mass Discharge[7] (mg/s)				
HFPO-DA	ND	--	--	**2.4E-03**
PFMOAA	**2.7E-05**	--	--	**4.6E-03**
PFO2HxA	**6.3E-06**	--	--	**2.8E-03**
PFO3OA	ND	--	--	**1.0E-03**
PFO4DA	ND	--	--	**4.8E-04**
PFO5DA	ND	--	--	**2.1E-04**
PMPA	ND	--	--	**1.2E-03**
PEPA	ND	--	--	ND
PS Acid	ND	--	--	ND
Hydro-PS Acid	ND	--	--	**9.4E-05**
R-PSDA	ND	--	--	ND
Hydrolyzed PSDA	ND	--	--	ND
R-PSDCA	ND	--	--	ND
NVHOS, Acid Form	ND	--	--	**9.2E-05**
EVE Acid	ND	--	--	ND
Hydro-EVE Acid	ND	--	--	**5.7E-05**
R-EVE	ND	--	--	ND
PES	ND	--	--	ND
PFECA B	ND	--	--	ND
PFECA-G	ND	--	--	ND
Total Attachment C Mass Discharge[8,9]	**3.3E-05**	**--**	**--**	**0.01**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**3.3E-05**	**--**	**--**	**0.01**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**3.3E-05**	**--**	**--**	**0.01**

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)	**1.3**		
Program	**CAP SW Sampling 1Q23**		
Location ID	**GBC-1**		
Field Sample ID	**CAP1Q23-GBC-5-021323**		
Sample Date and Time[2]	**02/13/23**		
Sample Delivery Group (SDG)	**320-96848-1**		
Lab Sample ID	**320-96848-3**		
Sample Type	**Grab**		
Table 3+ Lab SOP Mass Discharge[7] (mg/s)			
HFPO-DA	**0.04**	**0.31**	**0.32**
PFMOAA	**4.1E-03**	**0.89**	**1.14**
PFO2HxA	**0.02**	**0.38**	**0.44**
PFO3OA	**3.8E-03**	**0.07**	**0.08**
PFO4DA	**1.7E-03**	**0.01**	**0.01**
PFO5DA	ND	**4.6E-04**	**4.1E-04**
PMPA	**0.04**	**4.77**	**4.76**
PEPA	**0.01**	**0.08**	**0.07**
PS Acid	ND	**1.3E-04**	**1.3E-04**
Hydro-PS Acid	**1.4E-03**	**5.8E-03**	**5.7E-03**
R-PSDA	**3.2E-03**	**0.02**	**0.02**
Hydrolyzed PSDA	ND	**0.04**	**0.05**
R-PSDCA	ND	**1.5E-05**	**2.0E-05**
NVHOS, Acid Form	**2.4E-04**	**0.01**	**0.01**
EVE Acid	ND	**5.0E-05**	**5.0E-05**
Hydro-EVE Acid	**1.8E-04**	**3.6E-03**	**4.3E-03**
R-EVE	**1.2E-03**	**0.01**	**0.01**
PES	ND	**2.3E-05**	**3.4E-05**
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[8,9]	**0.12**	**6.5**	**6.8**
Total Table 3+ Mass Discharge (17 compounds)[8,10]	**0.12**	**6.5**	**6.8**
Total Table 3+ Mass Discharge (20 Compounds)[8]	**0.13**	**6.6**	**6.9**

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in 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
3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - The stormwater treatment system treats PFAS originating from Stormwater in the Monomers/IXM area that would otherwise flow to Outfall 002 during storm events. During the February 2023 Sampling Event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.

5 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in 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 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.
7 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A6, and flow volumes reported in Table A2.
8 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A6, which are rounded to two significant figures.
9 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
10 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
MG - 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 (2023) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Table ATT2-3. The combined deposition rate (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, 2023. USGS 02105500 Cape Fear River at Wilm O Huske Lock near Tarheel, NC. Available at: https://waterdata.usgs.gov/nwis/uv?site_no=02105500

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

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 ATT2-1.
**Model point ID: are locations with northing, easting, and river depths provided in the HEC-RAS model.
1. Data provided from: "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." RiverADJ. HEC-RAS 5.0.7. (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear RiverADJ. HEC-RAS 5.0.7.
2. The horizontal datum is North American Datum 1983 projected into North Carolina East State Plane (3200).
3. The vertical datum is North American Datum 1988 projected into North Carolina East State Plane (3200).
Abbreviations:
ft: feet
m: meter

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

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
2/13/2023	13337.81	6.53	0	377,685	323	23	2	6,388	2.1
2/14/2023	18064.58	10.05	0	511,532	323	27	2	7,179	2.5
								Average River Velocity:	**2.3**

Notes:

1) Measurements are recorded from the USGS flow gauging station at the W.O. Huske Dam, ID 02105500 (USGS, 2023).

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

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

cfs: cubic feet per second

ft: feet

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.

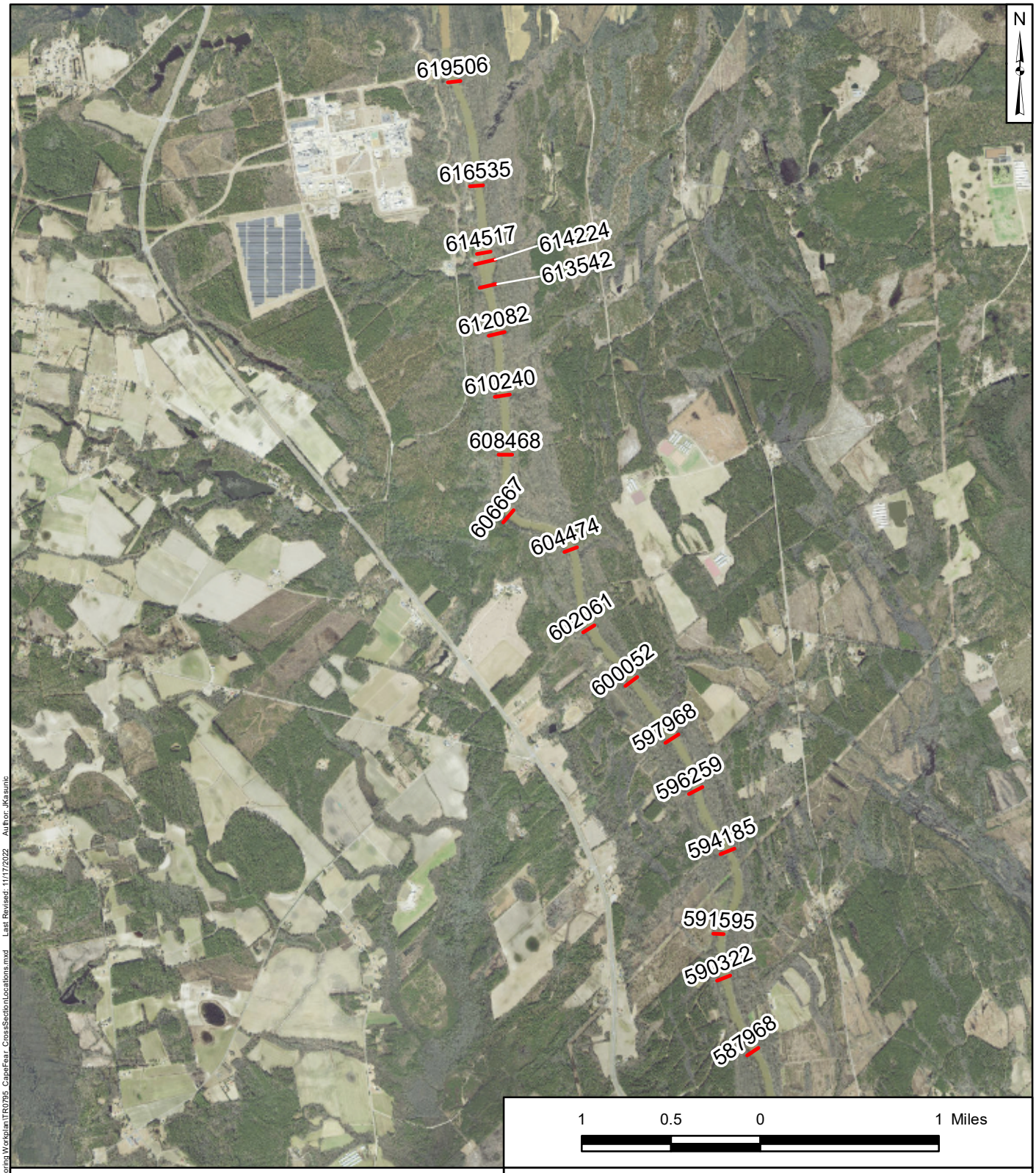
TABLE ATT2-5
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX
Chemours Fayetteville Works, North Carolina

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	2.3	2526.14	0.36	0.6	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	48,300	2.3	2526.14	0.19	0.1	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	89,570	2.3	2526.14	0.36	0.2	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	57,813	2.3	2526.14	0.23	0.2	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	55,672	2.3	2526.14	0.22	0.1	0.00011
												Total HFPO-DA:	**0.0011**
												Total Attachment C:	**0.005**
												Total Table 3+ (17 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 February 13 to 14, 2023, Table ATT2-3.
5. Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
6. Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

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



Legend

Cross Section

Notes:

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

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

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_CapeFear_CrossSectionLocations.mxd Last Revised: 11/17/2022 Author: JKasunic

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

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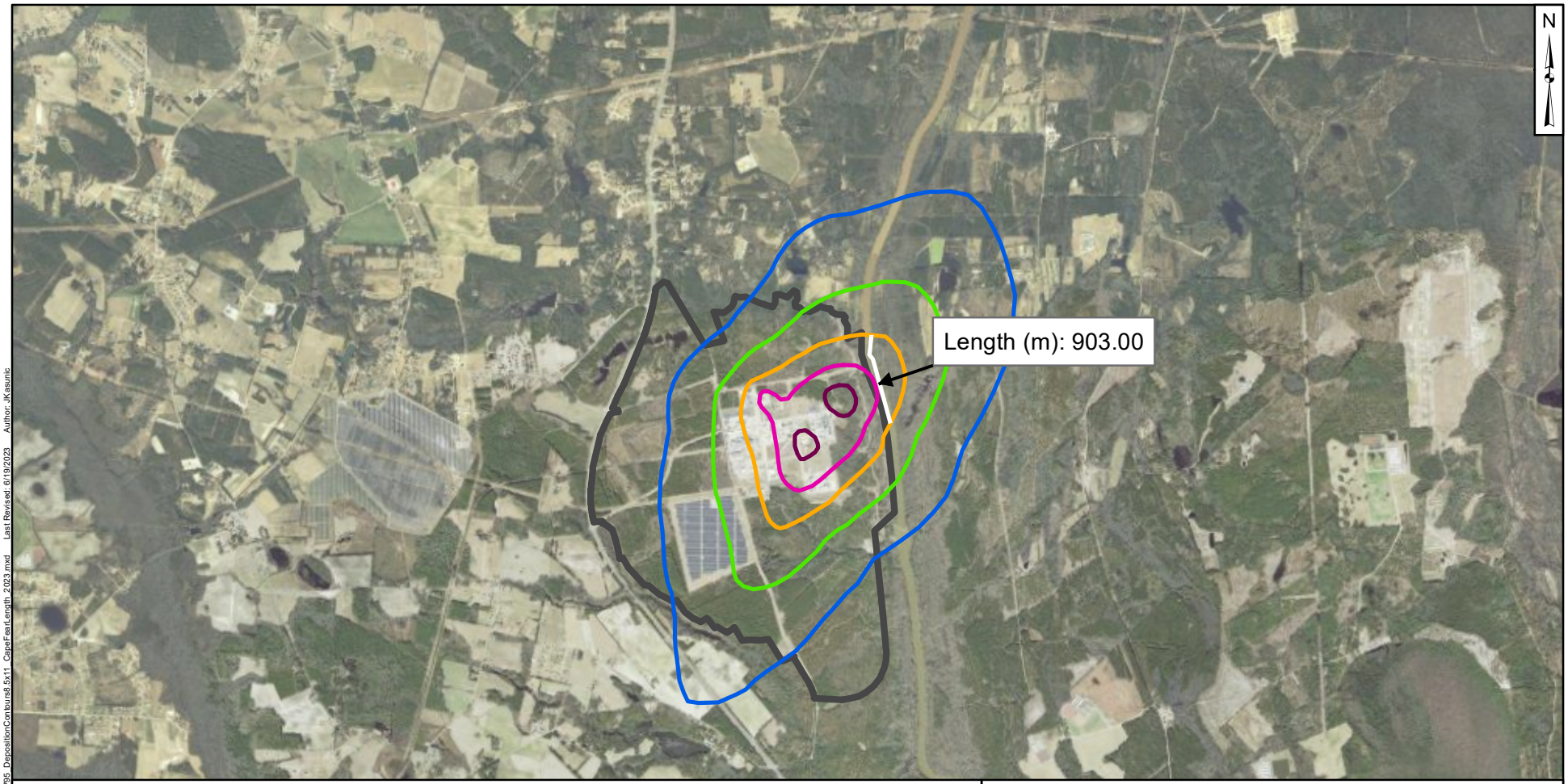
Figure

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

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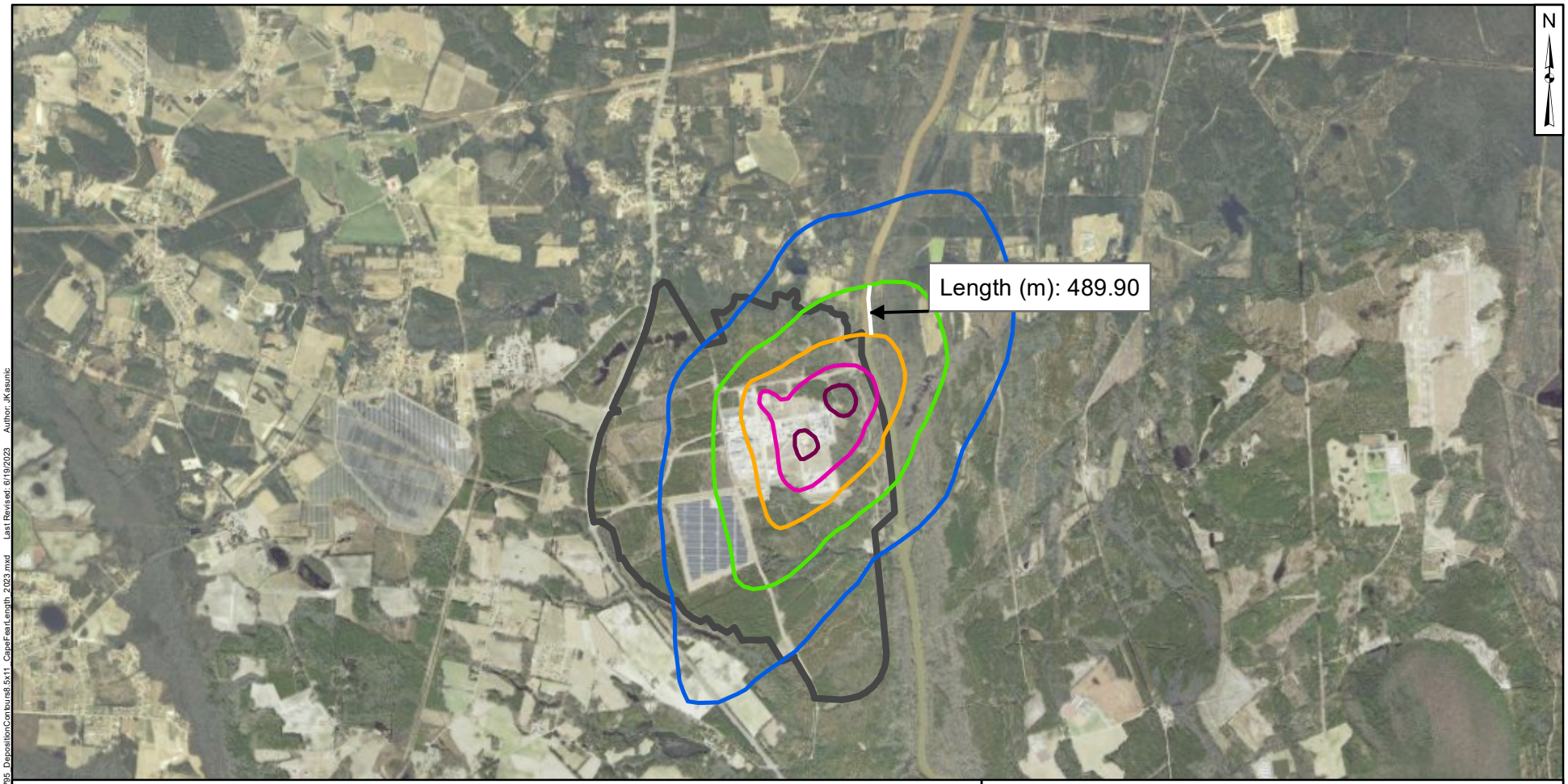
Figure
ATT2-2

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2023.mxd Last Revised: 6/19/2023 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

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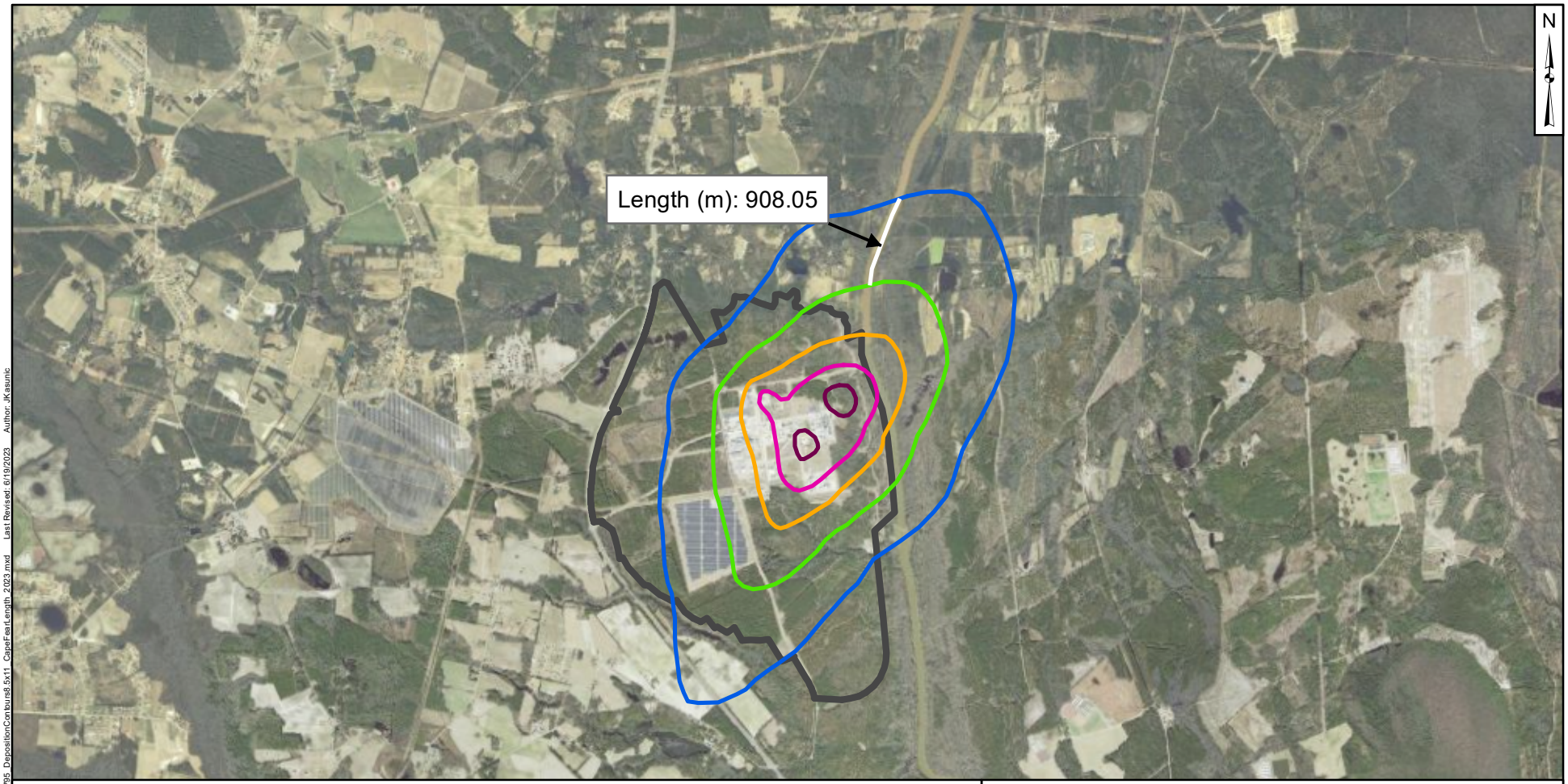
Figure
ATT2-3

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2023.mxd Last Revised: 6/19/2023 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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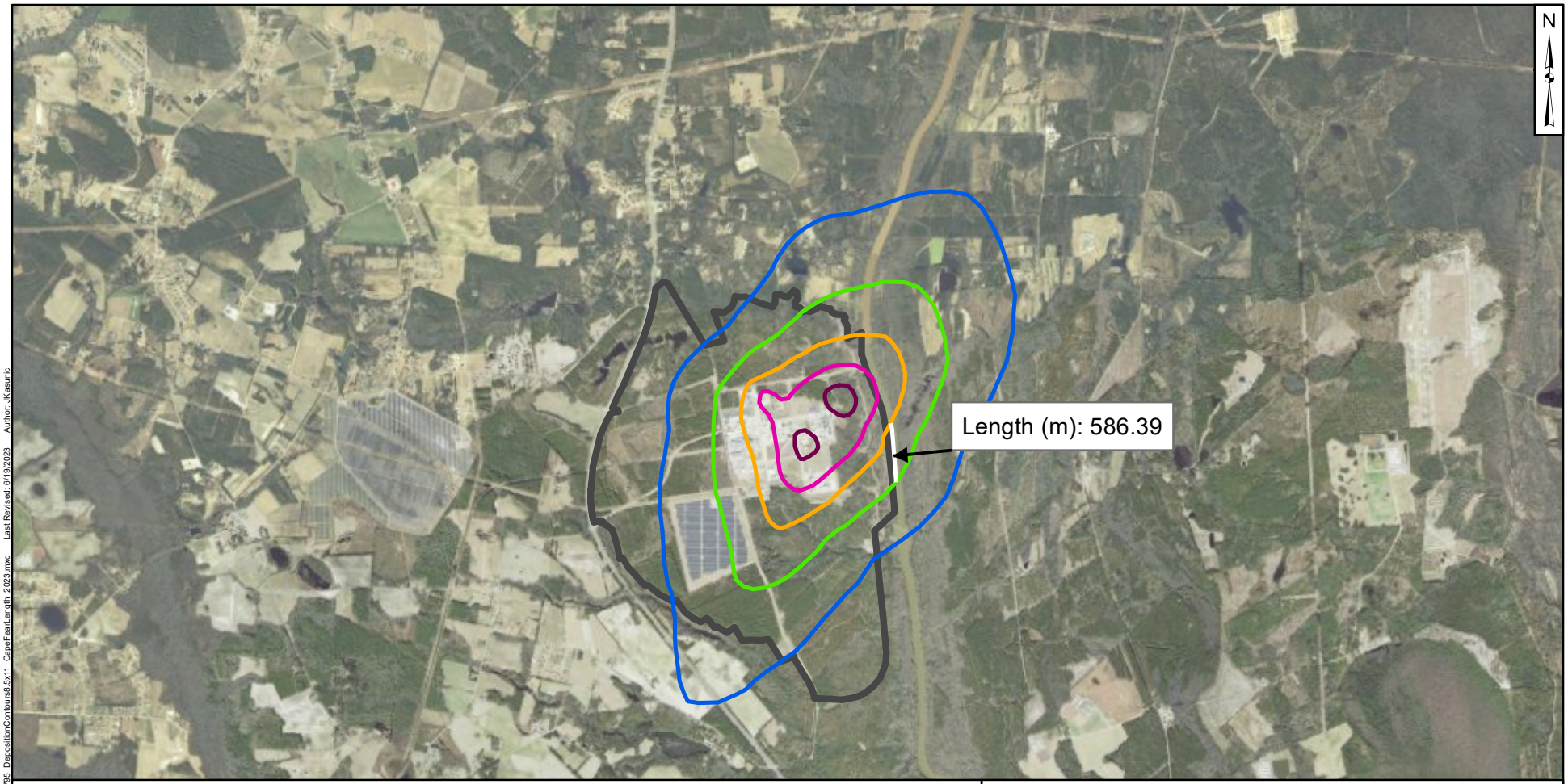
Figure
ATT2-4

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2023.mxd Last Revised: 6/19/2023 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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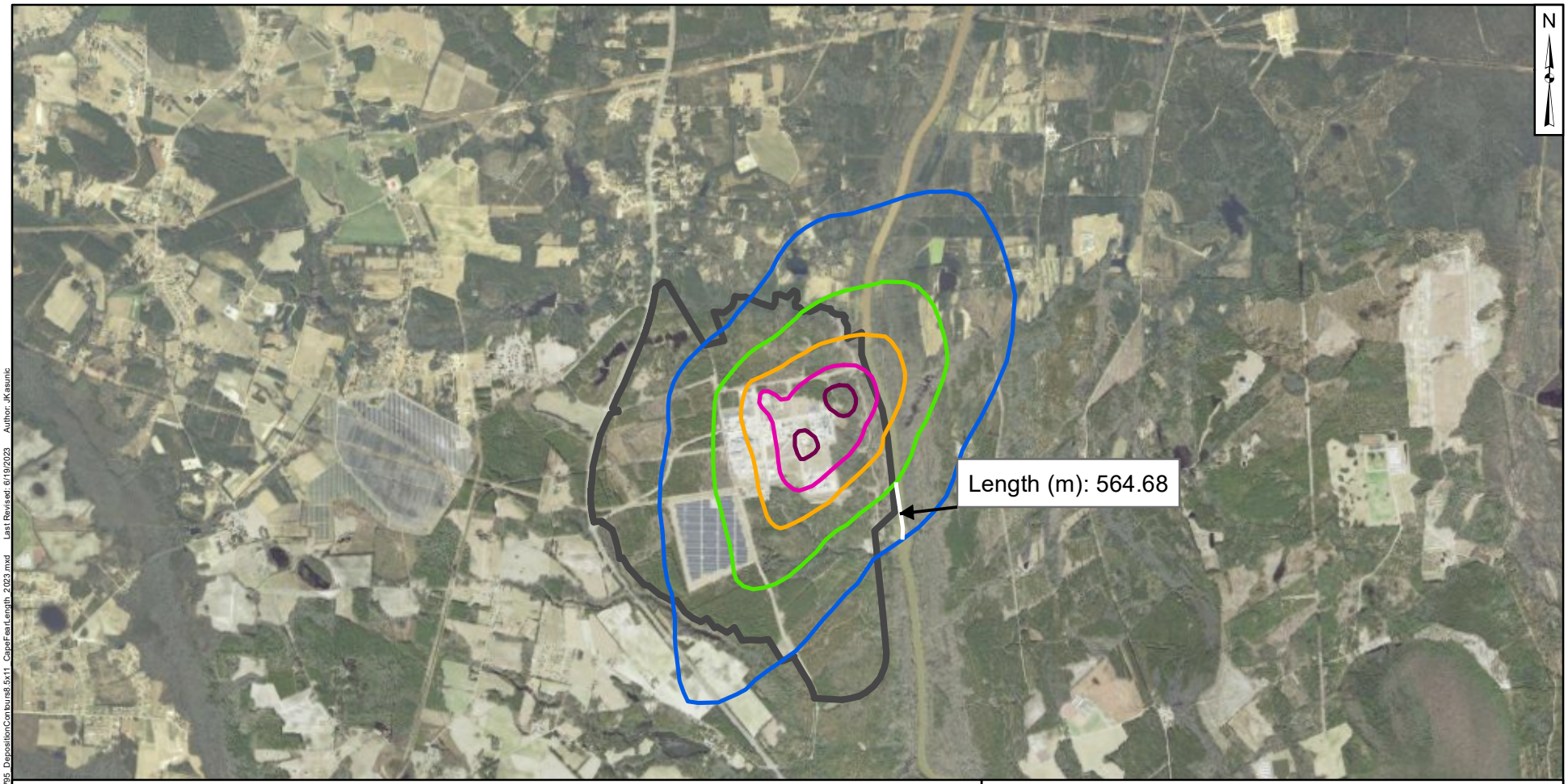
Figure
ATT2-5

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2023.mxd Last Revised: 6/19/2023 Author: JKasunic

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

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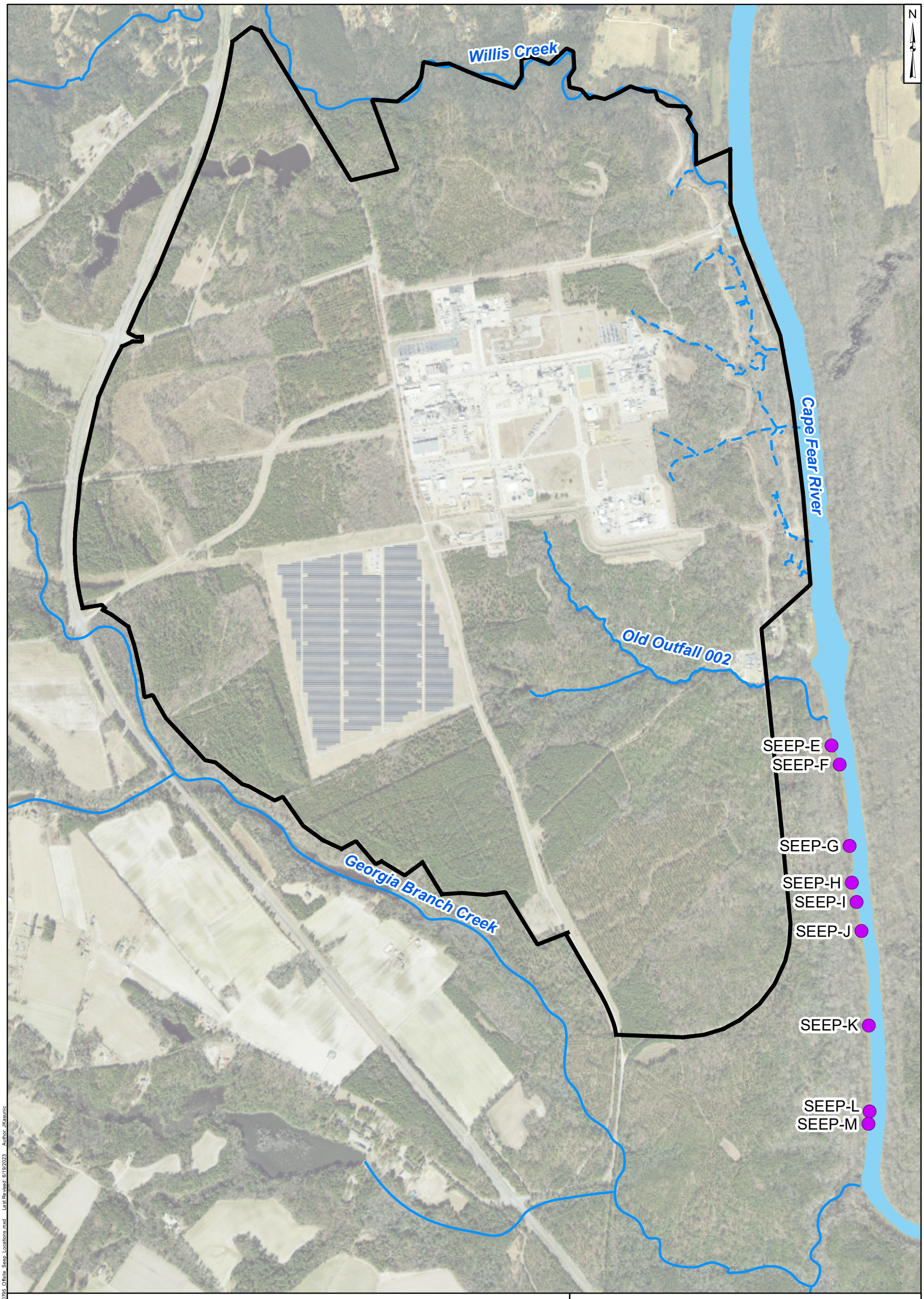
Figure
ATT2-6

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_DepositionContours8.5x11_CapeFearLength_2023.mxd Last Revised: 6/19/2023 Author: JKasunic

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



Legend

- Observed Seep
- Nearby Tributary
- Site Boundary

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

1,000 500 0 1,000 Feet

Southwestern Offsite Seeps Locations

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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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: 6/19/2023 Author: JKasunic

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

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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)[2]. 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):

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

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.

It is anticipated that the groundwater flows in the Black Creek Aquifer will change in future assessments due to the implementation of the groundwater extraction system and the start of the barrier wall construction remedy.

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[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) [2,3] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2,3] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[4] (ft/sec)**	**Concentration[7] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	2/16/2023	1,150	13,400	11.7	10	158.3	20	658.3	0.063	0.030	1.71E-04	43,000	0.1755	0.0844
2	PIW-3D	2/16/2023	873	11,010	12.6	10	283.3	20	708.3	0.035	0.028	1.71E-04	50,000	0.0939	0.0751
3	LTW-02	2/16/2023	875	5,560	6.4	10	700.0	20	1041.7	0.014	0.019	1.02E-04	20,000	0.0046	0.0061
4	LTW-03	2/21/2023	729	2,800	3.9	10	616.7	20	850.0	0.016	0.024	1.02E-04	190,000	0.0251	0.0364
5	PZ-22	2/20/2023	656	15,200	23.2	10	808.3	20	1091.7	0.012	0.018	3.28E-04	200,000	0.3503	0.5188
6	PIW-7D	2/15/2023	524	16,000	30.5	10	758.3	20	1033.3	0.013	0.019	3.28E-04	220,000	0.4302	0.6314
7	LTW-05	2/15/2023	672	11,800	19.4	10	583.3	20	891.7	0.017	0.022	1.28E-04	190,000	0.1540	0.2015
8	OW-28	2/20/2023	594	15,500	26.0	10	508.3	20	875.0	0.020	0.023	2.59E-04	16,000	3.57E-02	0.0415
9	OW-33	2/14/2023	1607	46,300	28.8	10	366.7	20	741.7	0.027	0.027	2.59E-04	26,000	2.41E-01	0.2383
													Total	**1.51**	**1.83**

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 February 2023 synoptic well gauging round (Figure ATT3-3).
3 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours are impacted from these activities and should be considered estimates.
4 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
5 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
6 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
7 - Detailed PFAS Concentrations provided in Table A9.
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)[6]		
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) [2,3] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2,3] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[4] (ft/sec)**	**Concentration[7] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	2/16/2023	1,150	13,400	11.7	10	158.3	20	658.3	0.063	0.030	1.71E-04	43,000	0.1755	0.0844
2	PIW-3D	2/16/2023	873	11,010	12.6	10	283.3	20	708.3	0.035	0.028	1.71E-04	50,000	0.0939	0.0751
3	LTW-02	2/16/2023	875	5,560	6.4	10	700.0	20	1041.7	0.014	0.019	1.02E-04	21,000	0.0048	0.0065
4	LTW-03	2/21/2023	729	2,800	3.9	10	616.7	20	850.0	0.016	0.024	1.02E-04	190,000	0.0251	0.0364
5	PZ-22	2/20/2023	656	15,200	23.2	10	808.3	20	1091.7	0.012	0.018	3.28E-04	200,000	0.3503	0.5188
6	PIW-7D	2/15/2023	524	16,000	30.5	10	758.3	20	1033.3	0.013	0.019	3.28E-04	220,000	0.4302	0.6314
7	LTW-05	2/15/2023	672	11,800	19.4	10	583.3	20	891.7	0.017	0.022	1.28E-04	190,000	0.1540	0.2015
8	OW-28	2/20/2023	594	15,500	26.0	10	508.3	20	875.0	0.020	0.023	2.59E-04	17,000	0.0379	0.0441
9	OW-33	2/14/2023	1607	46,300	28.8	10	366.7	20	741.7	0.027	0.027	2.59E-04	26,000	0.2410	0.2383
													Total	**1.51**	**1.84**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure ATT3-2).
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the February 2023 synoptic well gauging round (Figure ATT3-3).
3 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours are impacted from these activities and should be considered estimates.
4 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
5 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
6 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
7 - Detailed PFAS Concentrations provided in Table A9.
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) [2,3] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2,3] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[4] (ft/sec)**	**Concentration[7] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	2/16/2023	1,150	13,400	11.7	10	158.3	20	658.3	0.063	0.030	1.71E-04	44,000	0.1796	0.0864
2	PIW-3D	2/16/2023	873	11,010	12.6	10	283.3	20	708.3	0.035	0.028	1.71E-04	51,000	0.0957	0.0766
3	LTW-02	2/16/2023	875	5,560	6.4	10	700.0	20	1041.7	0.014	0.019	1.02E-04	21,000	0.0048	0.0065
4	LTW-03	2/21/2023	729	2,800	3.9	10	616.7	20	850.0	0.016	0.024	1.02E-04	200,000	0.0264	0.0384
5	PZ-22	2/20/2023	656	15,200	23.2	10	808.3	20	1091.7	0.012	0.018	3.28E-04	200,000	0.3503	0.5188
6	PIW-7D	2/15/2023	524	16,000	30.5	10	758.3	20	1033.3	0.013	0.019	3.28E-04	230,000	0.4497	0.6601
7	LTW-05	2/15/2023	672	11,800	19.4	10	583.3	20	891.7	0.017	0.022	1.28E-04	190,000	0.1540	0.2015
8	OW-28	2/20/2023	594	15,500	26.0	10	508.3	20	875.0	0.020	0.023	2.59E-04	17,000	0.0379	0.0441
9	OW-33	2/14/2023	1607	46,300	28.8	10	366.7	20	741.7	0.027	0.027	2.59E-04	26,000	0.2410	0.2383
													Total	**1.54**	**1.87**

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 February 2023 synoptic well gauging round (Figure ATT3-3).
3 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, groundwater contours are impacted from these activities and should be considered estimates.
4 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
5 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
6 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
7 - Detailed PFAS Concentrations provided in Table A9.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter

TABLE ATT3-2
FEBRUARY 2023 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)[1,2,3] (ft/ft)	Hydraulic Gradient (Upper Elevation Difference)[1,2,3] (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	0.063	0.030	1.71E-04	1.4E-01	6.93E-02	93,179	44,820
2	11,010	0.035	0.028	1.71E-04	6.6E-02	5.30E-02	42,847	34,278
3	5,560	0.014	0.019	1.02E-04	8.1E-03	1.09E-02	5,221	7,017
4	2,800	0.016	0.024	1.02E-04	4.7E-03	6.77E-03	3,018	4,378
5	15,200	0.012	0.018	3.28E-04	6.2E-02	9.16E-02	39,978	59,205
6	16,000	0.013	0.019	3.28E-04	6.9E-02	1.01E-01	44,628	65,502
7	11,800	0.017	0.022	1.28E-04	2.6E-02	3.38E-02	16,681	21,826
8	15,500	0.020	0.023	2.59E-04	7.9E-02	9.16E-02	50,938	59,185
9	46,300	0.027	0.027	2.59E-04	3.3E-01	3.24E-01	211,538	209,161
					0.786	**0.782**	**508,028**	**505,372**

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).

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

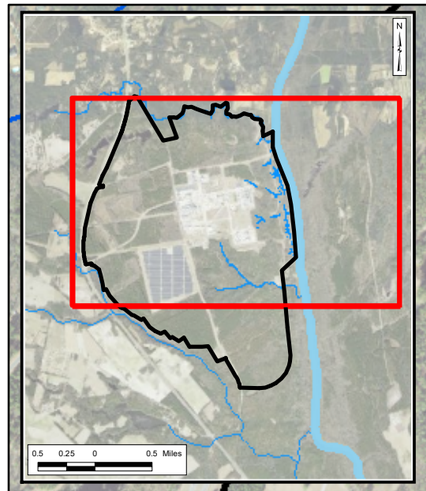
ft - feet

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

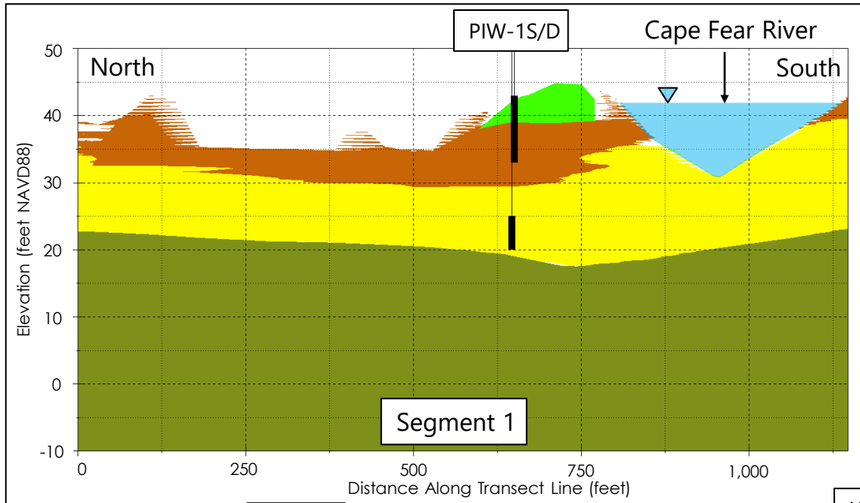
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

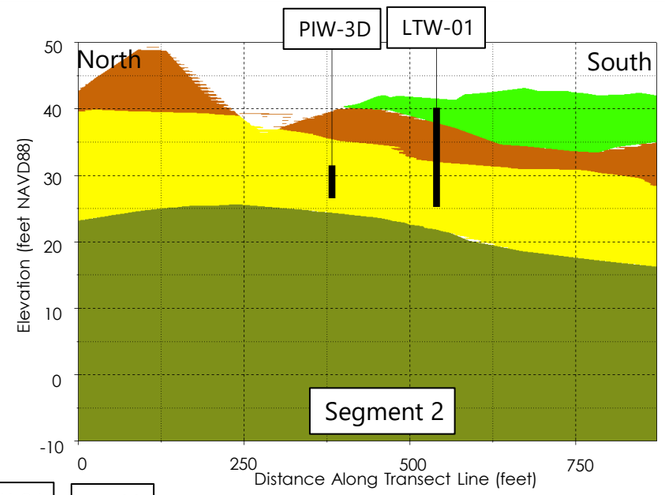
Raleigh | June 2023

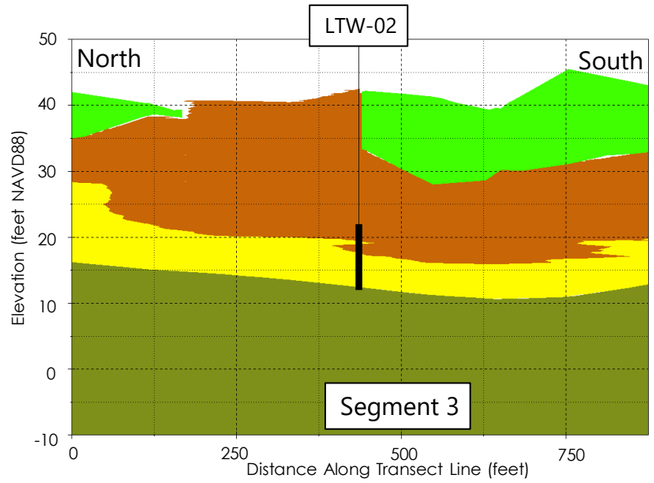
Figure
ATT3-1

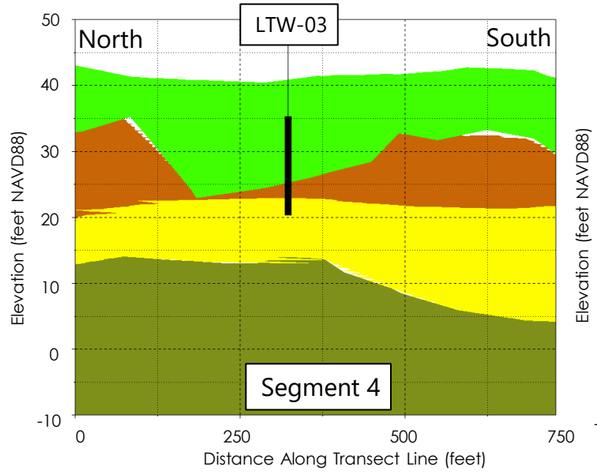
Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Black CreekAquiferSegmentsforGroundwaterPathway_Q12023.mxd Last Revised: 6/19/2023 Author: JKasunic

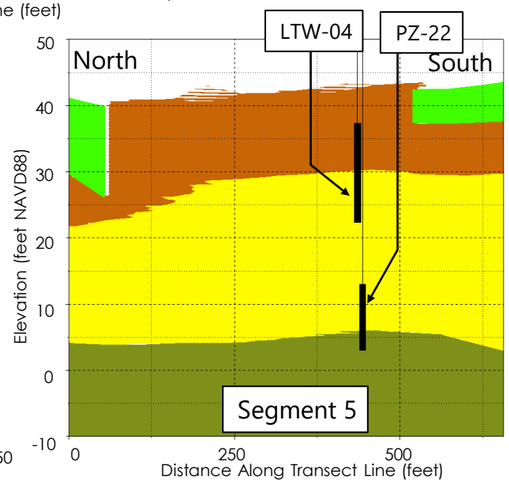
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

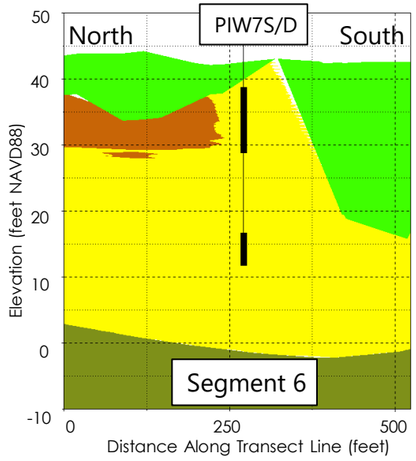


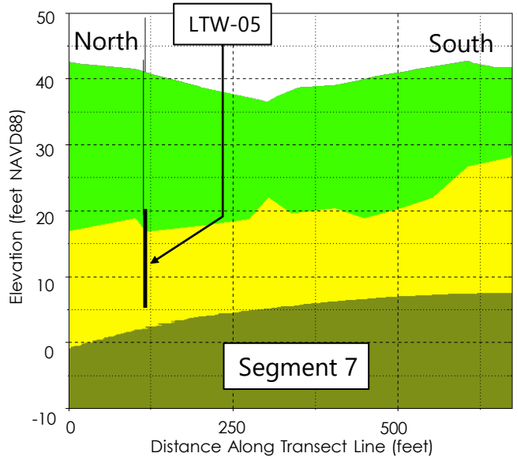


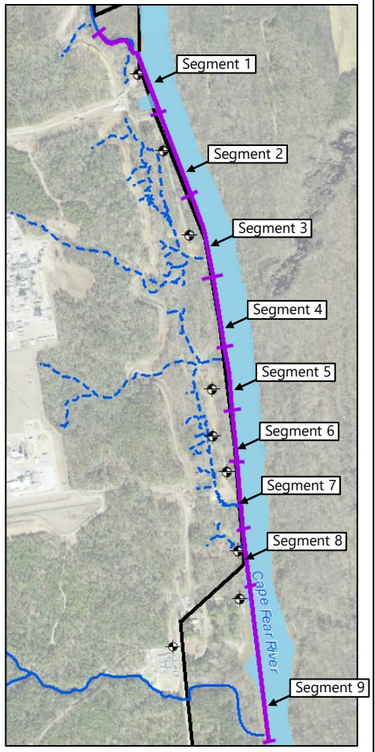


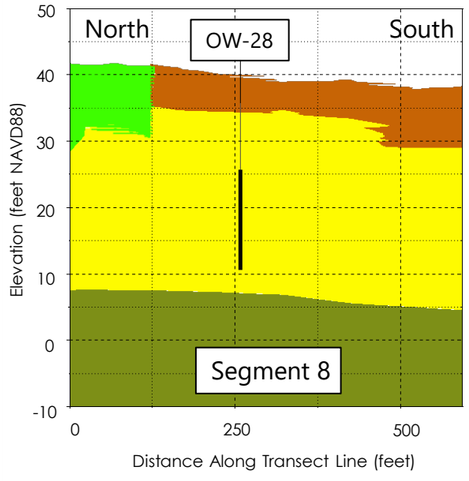


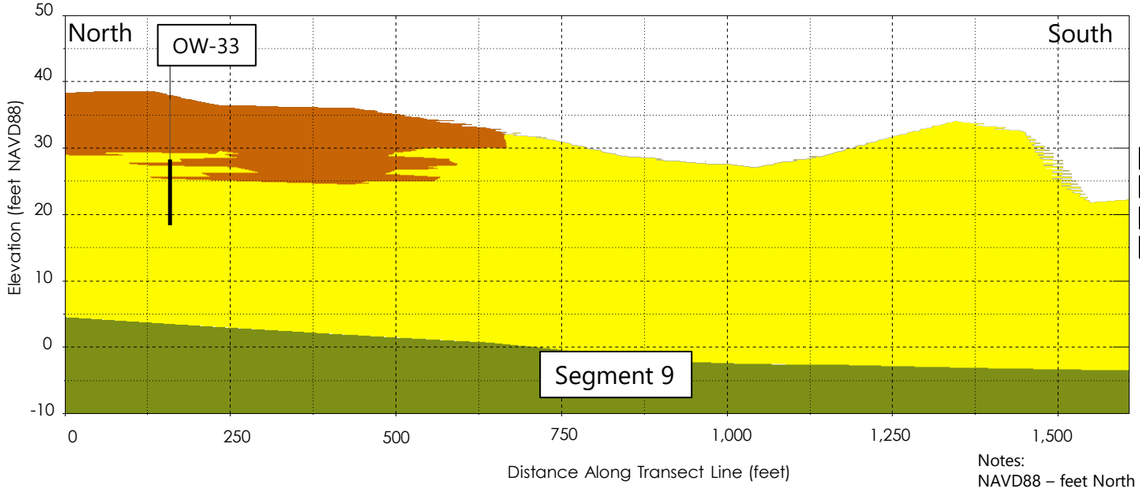












Legend

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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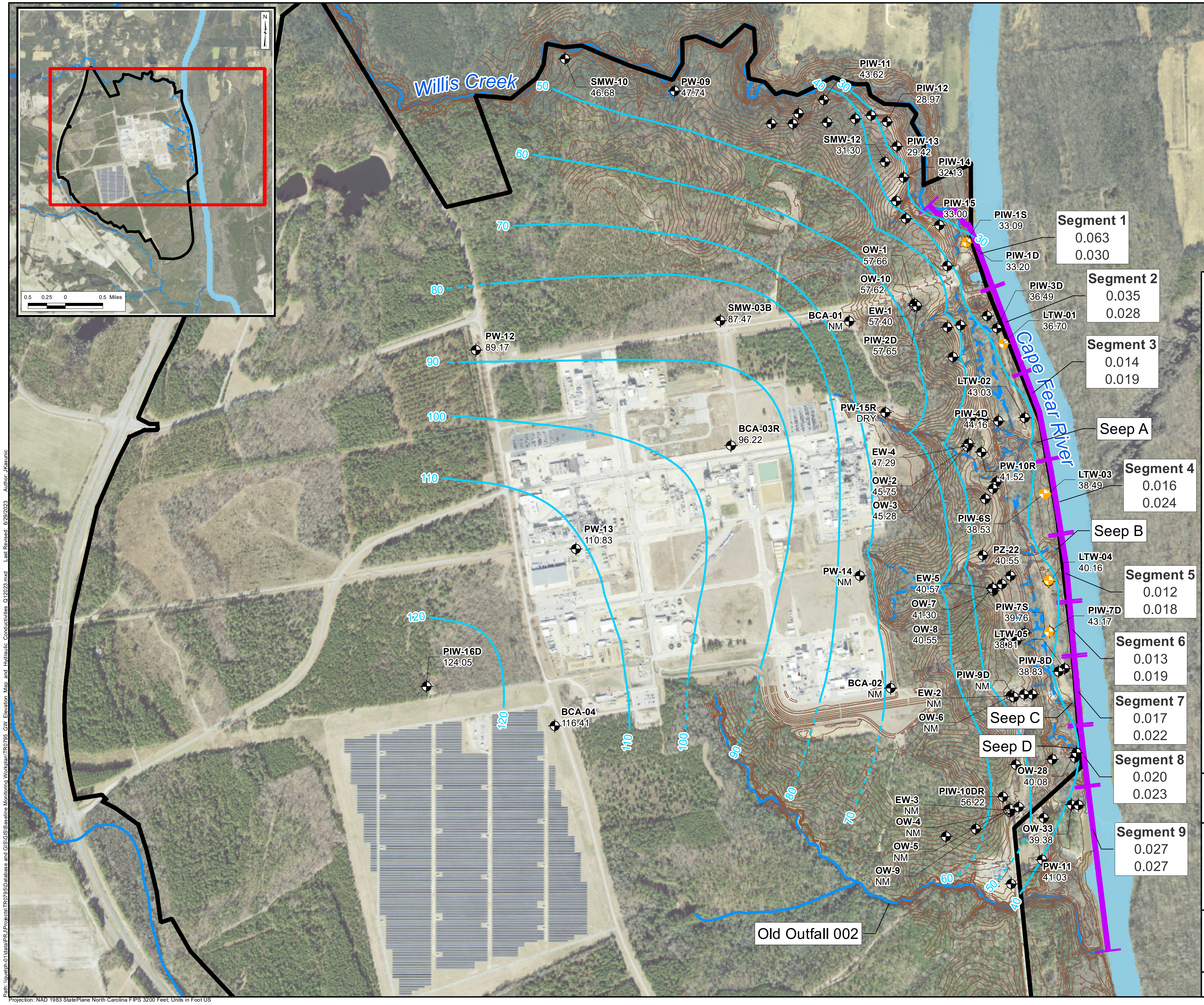
Figure
ATT3-2



Legend

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

Segment 1	Segment Number
0.063	Hydraulic Gradient (ft/ft) based on lower elevation difference
0.030	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 February 27-28, 2023 were used to generate contours.
2. Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.
3. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
4. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
5. 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.
6. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
7. 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 - February 2023

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Figure ATT3-3

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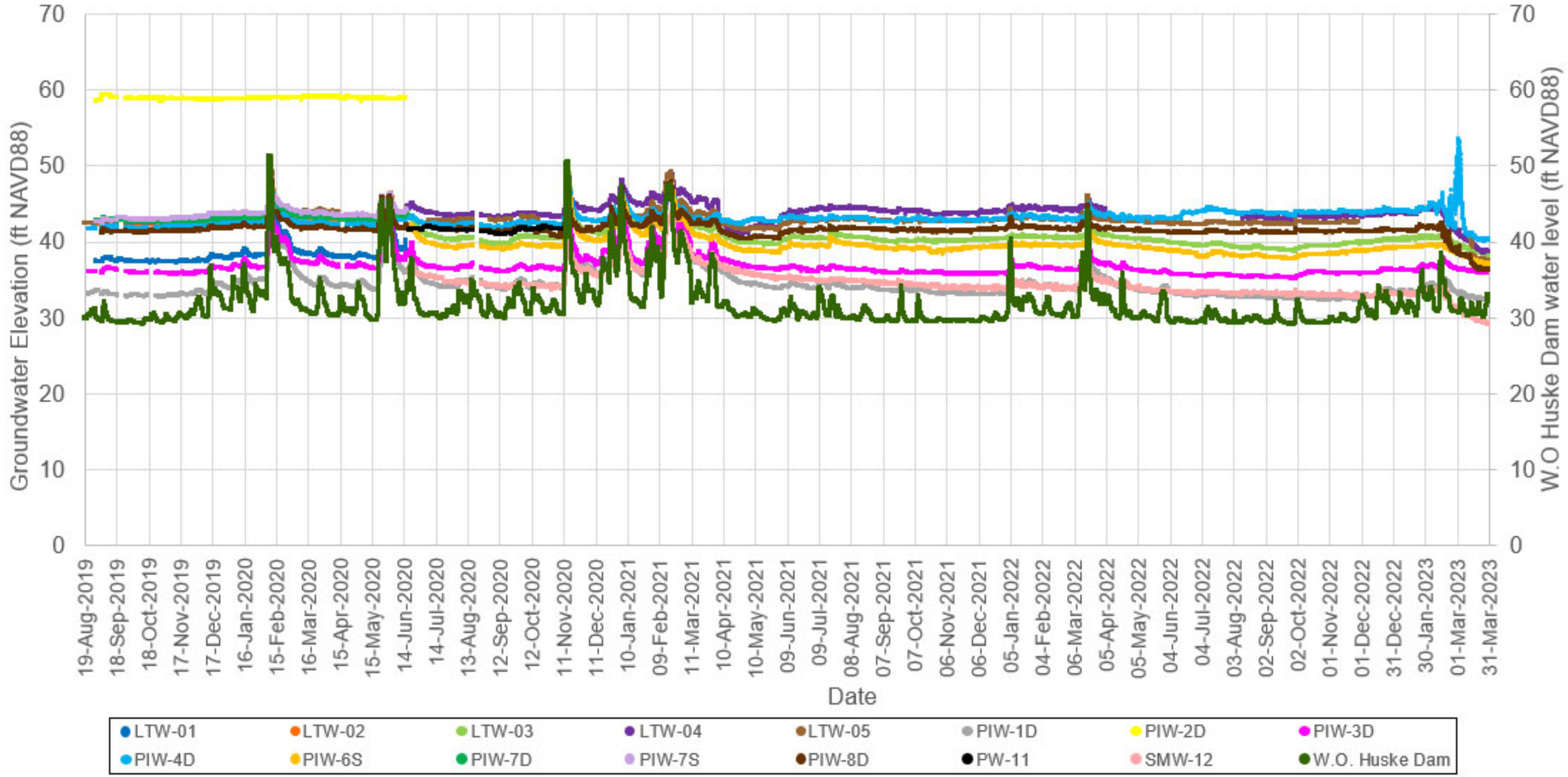
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



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 | June 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**	**0.0**
Total Table 3+ (17 compounds)[2,3]	**18**	**34**	**34**	**14**	**0.0**
Total Table 3+ (20 compounds)[2]	**29**	**38**	**39**	**14**	**0.0**

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

Sampling Event	Q2 2022	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 2023	Q1 2023	Q1 2023
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-122622	CFR-TARHEEL-24-122922	CFR-TARHEEL-24-010223	CFR-TARHEEL-24-010523	CFR-TARHEEL-24-010923
Sample Date	12/26/22	12/29/22	01/02/23	01/05/23	01/09/23
Sample Type	Composite	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/26/22 12:00 AM	12/29/22 12:00 AM	01/02/23 12:00 AM	01/05/23 12:00 AM	01/09/23 12:00 AM
Sample Stop Date and Time	12/26/22 11:00 PM	12/29/22 11:00 PM	01/02/23 11:00 PM	01/05/23 11:00 PM	01/09/23 11:00 PM
Composite Duration (hours)	24	24	24	24	24
QA/QC					
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-95616-1	320-95803-1	320-95803-1	320-95803-1	320-95935-1
Lab Sample ID	320-95616-2	320-95803-3	320-95803-2	320-95803-1	320-95935-1
Table 3+ SOP (ng/L)					
HFPO-DA	**2.4**	**2.2 J**	**4.2**	**3.2**	**4.5**
PFMOAA	<2.0	<5.0 UJ	<5.0	<5.0	<5.0
PFO2HxA	**2.5**	**4.4 J**	**10**	**5.0**	<2.0 UJ
PFO3OA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	<10	**16 J**	**19**	**14**	<10 UJ
PEPA	<20	<20 UJ	<20	<20	<20 UJ
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0 UJ	<2.0	<2.0	<2.0 UJ
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**4.0 J**	**4.0**	**3.3**	**4.7**
Total Attachment C[1,2]	**4.9**	**23**	**33**	**22**	**4.5**
Total Table 3+ (17 compounds)[2,3]	**4.9**	**23**	**33**	**22**	**4.5**
Total Table 3+ (20 compounds)[2]	**4.9**	**23**	**33**	**22**	**4.5**

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

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

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

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

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

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

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

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

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

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

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

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

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

Sampling Event	Q1 2023	Q1 2020	Q2 2020
Location ID	CFR-TARHEEL	EB	EB
Field Sample ID	CFR-TARHEEL-24-033023	CFR-EQBLK-1-040820	CFR-TARHEEL-EB-052520
Sample Date	03/30/2023	04/08/20	05/25/20
Sample Type	Composite	Grab	Grab
Sample Start Date and Time	03/30/23 12:00 AM	-	-
Sample Stop Date and Time	03/30/23 11:00 PM	-	-
Composite Duration (hours)	24	-	-
QA/QC		Equipment Blank	Equipment Blank
Sample Matrix	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-98715-1	320-60098-1	320-61296-1
Lab Sample ID	320-98715-1	320-60098-5	320-61296-4
Table 3+ SOP (ng/L)			
HFPO-DA	**2.1**	<4	<2
PFMOAA	<2.0	<5	<5
PFO2HxA	**2.3**	<2	<2
PFO3OA	<2.0	<2	<2
PFO4DA	<2.0	<2	<2
PFO5DA	<2.0	<2	<2
PMPA	<10	<10	<10
PEPA	<20	<20	<20
PS Acid	<2.0	<2	<2
Hydro-PS Acid	<2.0	<2	<2
R-PSDA	<2.0	<2	<2
Hydrolyzed PSDA	<2.0	<2	<2
R-PSDCA	<2.0	<2	<2
NVHOS	<2.0	<2	<2
EVE Acid	<2.0	<2	<2
Hydro-EVE Acid	<2.0	<2	<2
R-EVE	<2.0	<2	<2
PES	<2.0	<2	<2
PFECA B	<2.0	<2	<2
PFECA-G	<2.0	<2	<2
Perfluoroheptanoic Acid	**3.2**	<2	--
Total Attachment C[1,2]	**4.4**	ND	ND
Total Table 3+ (17 compounds)[2,3]	**4.4**	ND	ND
Total Table 3+ (20 compounds)[2]	**4.4**	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**	**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	CFR-TARHEEL	GBC-5
Field Sample ID	CAP1Q23-CFR-BLADEN-022223	CAP1Q23-CFR-KINGS-022423	CAP1Q23-CFR-RM-76-021323	CAP1Q23-CFR-TARHEEL-021323	CAP1Q23-CFR-TARHEEL-021323-D	CAP1Q23-CFR-TARHEEL-022223	CAP1Q23-GBC-5-021323
Sample Date	02/22/2023	02/24/2023	02/13/2023	02/13/2023	02/13/2023	02/22/2023	02/13/2023
QA/QC					Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-97412-1	320-97412-1	320-96848-1	320-96850-1	320-96850-1	320-97412-1	320-96848-1
Lab Sample ID	320-97412-2	320-97412-3	320-96848-1	320-96850-5	320-96850-6	320-97412-1	320-96848-3
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	**5.4**	**5.0**	**3.3**	**3.7**	**3.7**	**5.5**	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0 UJ	<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 UJ	<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	**3.4**	**3.4**	<2.0	**2.6**	**2.5**	**3.8**	**3.2**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**3.7**	**4.5**	**3.4**	**3.9**	**4.1**	**4.6**	<2.0
Perfluorohexanoic Acid	**5.9**	**5.6**	**4.6**	**5.0**	**4.8**	**6.5**	**3.0**
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 UJ	<2.0 UJ	<2.0	<2.0	<2.0	<2.0 UJ	<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	**6.6**	**6.0**	**4.4**	**5.9**	**6.8**	**6.8**	**10**
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	**7.2**	**7.0**	**4.7**	**4.6**	**5.1**	**7.2**	**4.2**
PFOS	**9.7**	**12**	**9.7**	**8.3**	**7.9**	**11**	**2.2 J**

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

Location ID	OLDOF-1	OUTFALL 002	OUTFALL 002	River Water Intake 2	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF
Field Sample ID	CAP1Q23-OLDOF-1B-021323	CAP1Q23-OUTFALL-002-021423	CAP1Q23-OUTFALL-002-24-021523	RIVER-WATER-INTAKE2-24-021423	CAP1Q23-SEEP-A-EFF-021323	CAP1Q23-SEEP-B-EFF-021323	CAP1Q23-SEEP-C-EFF-021323
Sample Date	02/13/2023	02/14/2023	02/15/2023	02/14/2023	02/13/2023	02/13/2023	02/13/2023
QA/QC							
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-96848-1	320-96848-1	320-96848-1	320-96848-1	320-96850-1	320-96850-1	320-96850-1
Lab Sample ID	320-96848-4	320-96848-5	320-96848-6	320-96848-7	320-96850-1	320-96850-2	320-96850-3
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	<2.0	<2.0	**2.6**	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<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	<2.0	<2.0	**2.1**	<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	<2.0	<2.0	**2.7**	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**3.1**	**2.4**	**4.3**	<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	**2.7**	**3.6**	**2.2**	**4.3**	<2.0	**2.9**	**12**
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	**3.5**	**2.8**	**4.4**	<2.0	<2.0	<2.0
PFOS	<2.0	**5.0**	**4.4**	**6.4**	<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-6	EB	EB
Field Sample ID	CAP1Q23-SEEP-D-EFF-021323	CAP1Q23-WC-6-021323	CAP1Q23-EQBLK-DR-021323	CAP1Q23-EQBLK-IS-021323
Sample Date	02/13/2023	02/13/2023	02/13/2023	02/13/2023
QA/QC			Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-96850-1	320-96848-1	320-96848-1	320-96850-1
Lab Sample ID	320-96850-4	320-96848-2	320-96848-8	320-96850-7
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<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-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	**3.7**	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	**2.1 J**	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	**4.3**	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0
PFOA	<2.0	**3.7**	<2.0	<2.0
PFOS	<2.0	**2.3 J**	<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	0.00	1.23	0	0	0	0	0.75	0	0	0	0	0.10	0	0	0	1.32	4.9	4.9	5.8
2020_2_Q1	*3/31/20 12:30*	*4/2/20 13:30*	*27,756,145*	0.28	1.17	0.39	0.09	0	0.00	0.47	0	0	0	0	0.39	0	0	0	0	0.00	0	0	0	0.33	2.4	2.4	3.0
	4/1/20 0:00	4/2/20 13:30	21,241,947																						1.8	1.8	2.3
2020_3_Q1	4/2/20 13:30	4/3/20 15:00	9,680,794	0.17	0.48	0.21	0.05	0	0.00	0.28	0	0	0	0	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	0.00	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	0.00	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	0.00	0	0	0	0.00	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	0.00	0	0	0	0.00	3.3	3.3	3.8
2020_9_Q1	4/22/20 13:30	4/26/20 0:49	28,652,713	0.32	1.52	0.54	0.14	0	0.00	0.60	0	0	0	0	0.66	0	0	0	0	0.00	0	0	0	0.00	3.1	3.2	4.1
2020_10_Q1	4/26/20 0:49	4/29/20 11:49	22,888,734	0.30	1.35	0.55	0.13	0	0.00	0.53	0	0	0	0	0.62	0	0	0	0	0.05	0	0	0	0.00	2.9	2.9	3.9
2020_11_Q1	4/29/20 11:49	4/30/20 9:49	7,256,900	0.09	0.30	0.14	0.03	0	0.00	0.17	0	0	0	0	0.16	0	0	0	0	0.03	0	0	0	0.00	0.7	0.8	1.1
2020_12_Q1	4/30/20 9:49	5/3/20 1:00	55,522,229	0.67	1.50	0.89	0.19	0	0.00	1.33	0	0	0	1	1.00	0	0	0	0	0.33	0	0	0	0.00	4.6	4.8	7.2
2020_13_Q1	5/3/20 1:00	5/6/20 12:00	72,975,232	0.45	1.31	0.72	0.15	0	0.00	1.09	0	0	0	1	0.88	0	0	0	0	0.00	0	0	0	0.00	3.7	3.7	5.4
2020_14_Q1	5/6/20 12:00	5/9/20 23:49	44,993,799	0.42	1.53	0.63	0.17	0	0.00	0.81	0	0	0	1	0.67	0	0	0	0	0.12	0	0	0	0.00	3.6	3.7	5.0
2020_1_Q2	5/9/20 23:49	5/13/20 9:49	15,999,330	0.21	1.10	0.43	0.11	0	0.00	0.35	0	0	0	0	0.54	0	0	0	0	0.08	0	0	0	0.00	2.2	2.3	3.1
2020_2_Q2	5/13/20 9:49	5/13/20 20:50	1,909,858	0.04	0.18	0.07	0.02	0	0.00	0.05	0	0	0	0	0.09	0	0	0	0	0.01	0	0	0	0.00	0.4	0.4	0.5
2020_3_Q2	5/13/20 20:50	5/14/20 20:50	3,563,845	0.02	0.08	0.03	0.01	0	0.00	0.02	0	0	0	0	0.04	0	0	0	0	0.01	0	0	0	0.00	0.2	0.2	0.2
2020_4_Q2	5/14/20 20:50	5/16/20 20:50	6,321,849	0.12	0.59	0.23	0.05	0	0.00	0.17	0	0	0	0	0.30	0	0	0	0	0.04	0	0	0	0.00	1.2	1.2	1.6
2020_5_Q2	5/16/20 20:50	5/20/20 8:49	11,021,058	0.28	1.32	0.50	0.11	0	0.00	0.35	0	0	0	0	0.60	0	0	0	0	0.09	0	0	0	0.00	2.8	2.9	3.7
2020_6_Q2	5/20/20 8:49	5/25/20 10:15	216,311,428	2.92	12.98	5.10	1.08	0	0.00	3.46	2	0	0	2	6.21	0	0	0	0	1.09	0	0	0	0.00	28.3	28.7	37.6
2020_7_Q2	5/25/20 10:15	5/29/20 9:10	171,453,975	0.34	0.00	0.38	0.00	0	0.00	0.00	0	0	0	0	0.58	0	0	0	0	0.34	0	0	0	0.00	0.7	0.7	1.6
2020_8_Q2	5/29/20 9:10	6/1/20 14:25	171,922,902	0.77	0.00	1.12	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.47	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	1.78	0	0	0	1	0.75	0	0	0	0	0.00	0	0	0	0.00	4.7	4.7	6.1
2020_11_Q2	6/8/20 22:06	6/12/20 9:06	58,107,953	0.58	0.99	0.76	0.20	0	0.00	1.45	0	0	0	0	0.53	0	0	0	0	0.22	0	0	0	0.00	4.2	4.2	5.4
2020_12_Q2	6/12/20 9:06	6/15/20 20:06	58,712,971	0.88	0.82	0.76	0.18	0	0.00	1.59	0	0	0	0	0.47	0	0	0	0	0.00	0	0	0	0.00	4.4	4.4	5.2
2020_13_Q2	6/15/20 20:06	6/19/20 7:06	88,876,954	1.42	0.98	1.60	0.34	0	0.00	3.20	0	0	0	0	0.64	0	0	0	0	0.00	0	0	0	0.00	8.0	8.0	9.1
2020_14_Q2	6/19/20 7:06	6/22/20 18:06	120,134,505	0.70	0.59	0.96	0.00	0	0.00	2.52	0	0	0	1	0.49	0	0	0	0	0.00	0	0	0	0.00	4.8	4.8	5.9
2020_15_Q2	6/22/20 18:06	6/26/20 5:06	70,462,140	0.70	2.11	0.92	0.20	0	0.00	1.41	0	0	0	1	0.85	0	0	0	0	0.25	0	0	0	0.00	5.6	5.6	7.4
2020_16_Q2	6/26/20 5:06	6/29/20 16:06	36,712,395	0.55	1.80	0.66	0.15	0	0.00	0.95	0	0	0	1	0.62	0	0	0	0	0.18	0	0	0	0.00	4.3	4.4	5.7
	6/29/20 16:06	7/1/20 0:00	8,266,603																						0.7	0.7	0.9
2020_1_Q3	*6/29/20 16:06*	*7/2/20 8:29*	*16,684,371*	0.32	0.00	0.42	0.09	0	0.00	0.45	0	0	0	0	0.20	0	0	0	0	0.00	0	0	0	0.00	1.4	1.5	1.7
	7/1/20 0:00	7/2/20 8:29	8,417,768																						0.7	0.7	0.9
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	0.00	0.54	0	0	0	0	0.39	0	0	0	0	0.08	0	0	0	0.00	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	0.00	0.52	0	0	0	0	0.47	0	0	0	0	0.09	0	0	0	0.00	2.5	2.6	3.5
2020_4_Q3	7/6/20 8:29	7/7/20 7:29	4,575,096	0.09	0.44	0.14	0.03	0	0.00	0.14	0	0	0	0	0.16	0	0	0	0	0.03	0	0	0	0.00	0.9	0.9	1.2
2020_5_Q3	7/7/20 7:29	7/9/20 12:01	12,348,326	0.21	1.07	0.35	0.07	0	0.00	0.35	0	0	0	0	0.41	0	0	0	0	0.06	0	0	0	0.00	2.1	2.1	2.8
2020_6_Q3	7/9/20 12:01	7/10/20 11:01	5,842,473	0.09	0.45	0.15	0.03	0	0.00	0.15	0	0	0	0	0.19	0	0	0	0	0.03	0	0	0	0.00	0.9	0.9	1.2
2020_7_Q3	7/10/20 11:01	7/13/20 0:01	14,776,297	0.23	1.01	0.39	0.09	0	0.00	0.39	0	0	0	0	0.47	0	0	0	0	0.08	0	0	0	0.00	2.2	2.2	3.0
2020_8_Q3	7/13/20 0:01	7/13/20 23:01	5,890,640	0.05	0.18	0.08	0.02	0	0.00	0.08	0	0	0	0	0.09	0	0	0	0	0.02	0	0	0	0.00	0.4	0.4	0.6
2020_9_Q3	7/13/20 23:01	7/16/20 0:01	12,180,378	0.22	0.83	0.36	0.08	0	0.00	0.34	0	0	0	0	0.34	0	0	0	0	0.06	0	0	0	0.00	1.9	1.9	2.5
2020_10_Q3	7/16/20 0:01	7/16/20 23:01	4,890,093	0.10	0.37	0.15	0.03	0	0.00	0.14	0	0	0	0	0.12	0	0	0	0	0.02	0	0	0	0.00	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	0.00	2.1	2.2	2.4
2020_12_Q3	7/20/20 0:01	7/20/20 23:01	4,441,299	0.12	0.44	0.13	0.04	0	0.01	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0	0	0.00	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	0.00	0.14	0.04	0	0.01	0.13	0	0	0	0	0.13	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0	0	0.00	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	0.00	0	0	0	0.00	2.3	2.4	3.1
2020_17_Q3	7/27/20 0:01	7/27/20 11:01	3,081,921	0.04	0.13	0.06	0.01	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.2
2020_20_Q3	7/29/20 0:01	7/29/20 23:01	6,721,966	0.09	0.36	0.14	0.03	0	0.00	0.00	0	0	0	0	0.13	0	0	0	0	0.00	0	0	0	0.02	0.6	0.7	0.8
2020_21_Q3	7/29/20 23:01	7/30/20 23:01	9,491,439	0.10	0.39	0.17	0.05	0	0.00	0.00	0	0	0	0	0.17	0	0	0	0	0.00	0	0	0	0.03	0.7	0.8	0.9
2020_22_Q3	7/30/20 23:01	8/3/20 14:50	30,789,134	0.40	1.37	0.63	0.16	0	0.00	0.32	0	0	0	0	0.60	0	0	0	0	0.00	0	0	0	0.12	3.0	3.1	3.7
2020_23_Q3	8/3/20 14:50	8/4/20 12:30	6,376,388	0.19	0.30	0.19	0.05	0	0.00	0.21	0	0	0	0	0.17	0	0	0	0	0.00	0	0	0	0.03	1.0	1.0	1.2
2020_24_Q3	8/4/20 12:30	8/5/20 23:55	30,928,538	0.75	0.85	0.70	0.15	0	0.00	0.70	0	0	0	0	0.53	0	0	0	0	0.00	0	0	0	0.12	3.5	3.6	4.1
2020_25_Q3	8/5/20 23:55	8/6/20 22:55	20,578,759	0.10	0.17	0.17	0.00	0	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	0	0	0	0.05	0.4	0.4	0.5
2020_26_Q3	8/6/20 22:55	8/9/20 22:38	58,359,492	0.37	0.24	0.82	0.18	0	0.00	0.00	0	0	0	0	0.07	0	0	0	0	0.00	0	0	0	0.21	1.7	1.7	1.7
2020_27_Q3	8/9/20 22:38	8/10/20 21:56	13,933,248	0.11	0.00	0.28	0.08	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.5	0.5	0.5
2020_28_Q3	8/10/20 21:56	8/12/20 0:01	20,465,095	0.14	0.28	0.32	0.08	0	0.00	0.00	0	0	0	0	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	0.00	0.00	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	0.00	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.19	0	0	0	0	0.00	0	0	0	0.07	0.7	0.7	1.0
2020_32_Q3	8/17/20 23:01	8/20/20 0:01	60,110,322	0.29	1.23	0.55	0.07	0	0.00	0.00	0	0	0	0	0.52	0	0	0	0	0.00	0	0	0	0.16	2.1	2.1	3.0
2020_33_Q3	8/20/20 0:01	8/20/20 23:01	20,274,466	0.13	0.53	0.24	0.05	0	0.00	0.00	0	0	0	0	0.22	0	0	0	0	0.00	0	0	0	0.06	0.9	0.9	1.3
2020_34_Q3	8/20/20 23:01	8/25/20 0:01	82,304,076	0.55	2.43	1.11	0.22	0	0.00	0.00	0	0	0	0	0.45	0	0	0	0	0.00	0	0	0	0.26	4.3	4.3	5.0
2020_35_Q3	8/25/20 0:01	8/25/20 23:01	14,273,984	0.10	0.47	0.21	0.04	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.05	0.8	0.8	0.8
2020_36_Q3	8/25/20 23:01	8/27/20 11:18	13,059,107	0.12	0.63	0.25	0.06	0	0.00	0.15	0	0	0	0	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	0.00	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	0.00	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	0.00	0.00	0	0	0	0	0.12	0	0	0	0	0.00	0	0	0	0.03	0.6	0.6	0.8
2020_40_Q3	9/3/20 23:01	9/7/20 0:01	30,452,220	0.30	0.72	0.44	0.12	0	0.00	0.00	0	0	0	0	0.36	0	0	0	0	0.00	0	0	0	0.07	1.6	1.6	2.0
2020_41_Q3	9/7/20 0:01	9/7/20 23:01	7,001,539	0.08	0.18	0.12	0.03	0	0.00	0.00	0	0	0	0	0.11	0	0	0	0	0.00	0	0	0	0.02	0.4	0.4	0.5
2020_42_Q3	9/7/20 23:01	9/10/20 0:01	11,457,874	0.22	0.46	0.27	0.07	0	0.00	0.17	0	0	0	0	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	0.00	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	0.00	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	0.00	0.00	0	0	0	0	0.11	0	0	0	0	0.00	0	0	0	0.02	0.4	0.4	0.5
2020_46_Q3	9/14/20 23:01	9/17/20 0:01	8,296,694	0.18	0.15	0.24	0.05	0	0.00	0.14	0	0	0	0	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	0.00	0.12	0.03	0	0.00	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	0.00	0.12	0.03	0	0.00	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	0.00	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	0.00	0	0.00	0.53	0	0	0	0	0.15	0	0	0	0	0.00	0	0	0	0.06	0.9	0.9	1.0
2020_51_Q3	9/21/20 23:01	9/24/20 0:01	26,249,972	0.24	0.29	0.24	0.04	0	0.00	0.85	0	0	0	0	0.27	0	0	0	0	0.00	0	0	0	0.13	1.7	1.7	1.9
2020_52_Q3	9/24/20 0:01	9/24/20 23:01	10,370,932	0.11	0.15	0.10	0.03	0	0.00	0.32	0	0	0	0	0.11	0	0	0	0	0.00	0	0	0	0.06	0.7	0.7	0.8
2020_53_Q3	9/24/20 23:01	9/25/20 23:01	10,821,255	0.12	0.13	0.13	0.03	0	0.00	0.35	0	0	0	0	0.15	0	0	0	0	0.00	0	0	0	0.06	0.8	0.8	0.9
2020_54_Q3	9/25/20 23:01	9/26/20 23:01	19,919,967	0.24	0.18	0.26	0.05	0	0.00	0.68	0	0	0	0	0.26	0	0	0	0	0.00	0	0	0	0.10	1.4	1.4	1.7
2020_55_Q3	9/26/20 23:01	9/28/20 0:01	28,474,571	0.26	0.21	0.27	0.04	0	0.00	0.94	0	0	0	0	0.29	0	0	0	0	0.00	0	0	0	0.12	1.7	1.7	2.0
2020_56_Q3	9/28/20 0:01	9/28/20 23:01	22,732,255	0.14	0.14	0.14	0.00	0	0.00	0.73	0	0	0	0	0.16	0	0	0	0	0.00	0	0	0	0.08	1.2	1.2	1.3
2020_57_Q3	9/28/20 23:01	9/29/20 23:01	22,444,018	0.12	0.09	0.15	0.00	0	0.00	0.00	0	0	0	0	0.12	0	0	0	0	0.00	0	0	0	0.09	0.4	0.4	0.5
	9/29/20 23:01	10/1/20 0:00	28,850,600																						2.1	2.1	2.8

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	0.00	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
	10/1/20 0:00	10/1/20 0:01	19,247																						0.0	0.0	0.0
2020_1_Q4	10/1/20 0:01	10/1/20 17:01	22,630,824	0.12	0.07	0.15	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.12	0.3	0.3	0.3
2020_2_Q4	10/1/20 17:01	10/6/20 15:30	94,327,975	0.63	0.32	0.78	0.10	0	0.00	0.00	0	0	0	0	0.24	0	0	0	0	0.00	0	0	0	0.51	1.8	1.8	2.1
2020_3_Q4	10/6/20 15:30	10/6/20 23:30	3,102,054	0.03	0.01	0.03	0.01	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.1
2020_4_Q4	10/6/20 23:30	10/7/20 17:30	5,666,371	0.06	0.03	0.07	0.02	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	0	0	0	0.03	0.2	0.2	0.2
2020_5_Q4	10/7/20 17:30	10/8/20 16:30	6,244,374	0.08	0.05	0.09	0.02	0	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.10	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.31	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.11	0	0	0	0	0.00	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	0.00	0	0.00	0.42	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	0	0.00	0.32	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	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	0.00	0.00	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	0.00	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	0.00	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	0.00	0	0.00	0.30	0	0	0	0	0.06	0	0	0	0	0.00	0	0	0	0.09	0.8	0.8	0.9
2020_19_Q4	11/2/20 23:01	11/5/20 0:01	28,761,279	0.19	0.53	0.26	0.03	0	0.00	0.66	0	0	0	0	0.13	0	0	0	0	0.00	0	0	0	0.16	1.7	1.7	1.8
2020_20_Q4	11/5/20 0:01	11/5/20 23:01	9,736,096	0.06	0.21	0.09	0.02	0	0.00	0.25	0	0	0	0	0.05	0	0	0	0	0.00	0	0	0	0.05	0.6	0.6	0.7
2020_21_Q4	11/5/20 23:01	11/9/20 0:01	19,869,252	0.18	0.57	0.26	0.06	0	0.00	0.48	0	0	0	0	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	0.00	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	0.00	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	0.00	0.00	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	0.00	0	0.00	0.00	0	0	0	1	0.43	0	0	0	0	0.00	0	0	0	0.97	4.7	4.7	6.2
2020_28_Q4	11/18/20 12:25	11/20/20 11:06	68,070,868	0.41	0.62	0.52	0.00	0	0.00	0.00	0	0	0	0	0.25	0	0	0	0	0.00	0	0	0	0.20	1.5	1.5	2.2
2020_29_Q4	11/20/20 11:06	11/24/20 0:01	114,667,938	0.76	1.61	0.78	0.00	0	0.00	0.00	0	0	0	1	0.48	0	0	0	0	0.00	0	0	0	0.45	3.1	3.1	4.2
2020_30_Q4	11/24/20 0:01	11/24/20 23:01	26,346,560	0.19	0.47	0.16	0.00	0	0.00	0.00	0	0	0	0	0.09	0	0	0	0	0.00	0	0	0	0.12	0.8	0.8	1.0
2020_31_Q4	11/24/20 23:01	11/26/20 0:01	24,616,628	0.18	0.48	0.17	0.00	0	0.00	0.00	0	0	0	0	0.10	0	0	0	0	0.00	0	0	0	0.13	0.8	0.8	1.0
2020_32_Q4	11/26/20 0:01	11/26/20 23:01	18,652,845	0.15	0.39	0.14	0.00	0	0.00	0.00	0	0	0	0	0.08	0	0	0	0	0.00	0	0	0	0.11	0.7	0.7	0.8
2020_33_Q4	11/26/20 23:01	11/30/20 0:01	42,065,553	0.54	1.11	0.45	0.07	0	0.00	0.57	0	0	0	0	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	0.00	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	0.00	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	0.00	0	0.00	0.82	0	0	0	0	0.09	0	0	0	0	0.00	0	0	0	0.12	1.4	1.4	1.6
2020_37_Q4	12/3/20 23:01	12/7/20 0:01	78,024,607	0.39	0.88	0.41	0.00	0	0.00	1.09	0	0	0	0	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	0.00	0	0.00	0.00	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	0.00	0	0.00	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.08	0.6	0.6	0.6
2020_41_Q4	12/10/20 23:01	12/13/20 0:01	31,261,119	0.23	0.67	0.23	0.00	0	0.00	0.00	0	0	0	0	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	0.00	0	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	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	0.00	0.64	0	0	0	0	0.27	0	0	0	0	0.00	0	0	0	0.21	2.0	2.1	2.4
2020_47_Q4	12/17/20 12:29	12/21/20 13:52	149,396,568	0.53	1.25	0.51	0.00	0	0.00	0.00	0	0	0	1	0.40	0	0	0	0	0.00	0	0	0	0.63	2.3	2.3	3.3
2020_48_Q4	12/21/20 13:52	12/23/20 9:30	65,902,080	0.24	0.33	0.24	0.00	0	0.00	0.00	0	0	0	0	0.21	0	0	0	0	0.00	0	0	0	0.24	0.8	0.8	1.1
2020_49_Q4	12/23/20 9:30	12/24/20 19:20	43,431,813	0.34	0.37	0.27	0.00	0	0.00	0.00	0	0	0	0	0.31	0	0	0	0	0.00	0	0	0	0.16	1.0	1.0	1.6
2020_50_Q4	12/24/20 19:20	12/28/20 15:00	183,564,524	1.38	1.56	1.06	0.00	0	0.00	0.00	0	0	0	1	1.19	0	0	0	0	0.00	0	0	0	0.66	4.0	4.0	6.4
2020_51_Q4	12/28/20 15:00	12/30/20 10:56	73,223,967	0.27	0.44	0.27	0.00	0	0.00	0.00	0	0	0	0	0.23	0	0	0	0	0.10	0	0	0	0.25	1.0	1.0	1.5
	12/30/20 10:56	1/1/21 0:00	73,292,523																						1.1	1.1	1.6
2021_1_Q1	*12/30/20 10:56*	*1/6/21 12:10*	*334,627,822*	1.20	2.51	1.39	0.00	0	0.00	0.00	0	0	0	1	0.72	0	0	0	0	0.47	0	0	0	0.59	5.1	5.1	7.2
	1/1/21 0:00	1/6/21 12:10	261,335,299																						4.0	4.0	5.6
2021_2_Q1	1/6/21 12:10	1/7/21 11:00	45,269,293	0.14	0.07	0.16	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.23	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.28	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0.71	0	0	0	1	0.58	0	0	0	0	0.00	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	0.00	0	0.00	0.18	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	0	0.00	0.17	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0	0.00	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	0.00	0	0.00	0.42	0	0	0	0	0.14	0	0	0	0	0.00	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	0.00	0	0.00	1.74	0	0	0	0	0.49	0	0	0	0	0.00	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	0.00	0	0.00	1.81	0	0	0	0	0.57	0	0	0	0	0.00	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	0.00	0.37	0.00	0	0.00	0.80	0	0	0	0	0.35	0	0	0	0	0.00	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	0.00	0	0.00	0.83	0	0	0	0	0.25	0	0	0	0	0.00	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	0.00	0	0.00	0.66	0	0	0	0	0.20	0	0	0	0	0.00	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	0.00	0	0.00	3.16	0	0	0	0	0.54	0	0	0	0	0.00	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	0.00	0	0.00	2.89	0	0	0	0	0.28	0	0	0	0	0.00	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	0.00	2.31	0	0	0	1	0.51	0	0	0	0	0.17	0	0	0	0.00	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	0.00	0.95	0	0	0	1	0.26	0	0	0	0	0.10	0	0	0	0.00	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	0.00	0	0.00	0.36	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0	0.00	1.99	0	0	0	2	1.18	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.21	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.16	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.13	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	0	0.00	0.52	0	0	0	0	0.24	0	0	0	0	0.00	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	0.00	0	0.00	0.36	0	0	0	0	0.11	0	0	0	0	0.00	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	0.00	0	0.00	0.86	0	0	0	0	0.26	0	0	0	0	0.00	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	0.00	0	0.00	0.25	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0	0.00	0.53	0	0	0	0	0.15	0	0	0	0	0.00	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	0.00	0	0.00	0.33	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	0	0.00	0.37	0	0	0	0	0.14	0	0	0	0	0.00	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	0.00	0	0.00	0.60	0	0	0	0	0.35	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.07	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.07	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.12	0	0	0	0	0.00	0	0	0	0.11	0.6	0.6	0.7
	3/31/21 23:01	4/1/21 0:00	1,315,493																						0.1	0.1	0.2
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	0.00	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
	4/1/21 0:00	4/5/21 0:01	128,450,109																						13.1	13.3	17.8
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	0.00	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	0.00	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	0.00	0.27	0	0	0	0	0.14	0	0	0	0	0.00	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	0.00	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	0.00	0	0.00	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	0.00	0	0.00	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	0.00	0	0.00	0.17	0	0	0	0	0.10	0	0	0	0	0.00	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	0.00	0	0.00	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	0.00	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.03	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.12	0	0	0	0	0.10	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.20	0	0	0	0	0.11	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.16	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.08	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.15	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.09	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.24	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.60	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.22	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	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	0.00	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
	6/24/21 23:01	7/1/21 0:00	30,922,434																						2.5	2.7	3.3
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	0.00	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
	7/1/21 0:00	7/1/21 0:01	3,555																						0.0	0.0	0.0
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	0.00	0.10	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.08	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.46	0	0	0	0	0.17	0	0	0	0	0.00	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	0.00	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	0.00	0.19	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	2.05	0	0	0	0	0.44	0	0	0	0	0.00	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	0.00	0	0.00	0.49	0	0	0	0	0.12	0	0	0	0	0.00	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	0.00	0.73	0	0	0	0	0.17	0	0	0	0	0.00	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	0.00	0.23	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.12	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.30	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.10	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	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	0.00	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.13	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.04	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.45	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0	0.00	0.15	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0	0.00	0.31	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0	0.00	0.15	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.17	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.09	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.10	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.07	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.04	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.95	0	0	0	0	0.41	0	0	0	0	0.00	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	0.00	0	0.00	0.07	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.00	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	0.00	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	0.00	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
	9/30/21 23:01	10/1/21 0:00	88,359																						0.0	0.0	0.0
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	0.00	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
	10/1/21 0:00	10/4/21 0:01	6,471,165																						0.5	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0.10	0	0	0	0	0.10	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.08	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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_18_Q4	10/25/21 23:01	10/28/21 0:01	4,651,017	0.06	0.10	0.06	0.02	0	0.00	0.11	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	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_20_Q4	10/28/21 23:01	11/1/21 0:01	8,909,001	0.11	0.19	0.11	0.03	0	0.00	0.20	0	0	0	0	0.09	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.12	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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_28_Q4	11/10/21 16:36	11/11/21 0:01	674,975	0.01	0.01	0.01	0.00	0	0.00	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_29_Q4	11/11/21 0:01	11/11/21 15:36	1,456,655	0.02	0.03	0.02	0.01	0	0.00	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_30_Q4	11/11/21 15:36	11/11/21 23:01	754,182	0.01	0.01	0.01	0.00	0	0.00	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_31_Q4	11/11/21 23:01	11/15/21 0:01	7,993,905	0.10	0.16	0.11	0.03	0	0.00	0.19	0	0	0	0	0.07	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.12	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.16	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.09	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.11	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.09	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.07	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.08	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.11	0	0	0	0	0.07	0	0	0	0	0.00	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	0.00	0.02	0.02	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0	0.00	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	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.07	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.01	0.2	0.2	0.2
	12/30/21 23:01	1/1/22 0:00	3,397,402																						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	0.00	0.10	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.03	0.4	0.4	0.5
	1/1/22 0:00	1/2/22 0:01	3,265,948																						0.2	0.2	0.2
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	0.00	0.07	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.18	0	0	0	0	0.12	0	0	0	0	0.00	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	0.00	2.15	0	0	0	1	1.77	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.07	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.15	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.06	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0	0.00	0.11	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.16	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.08	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.17	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.08	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.26	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0	0.00	0.11	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.30	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.08	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.06	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0	0.00	0.09	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2022_29_Q1	2/18/22 23:01	2/26/22 0:01	33,417,928	0.00	0.00	0.21	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2022_33_Q1	2/28/22 23:01	3/3/22 0:01	24,555,718	0.04	0.00	0.05	0.00	0	0.00	0.00	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	0.00	0.04	0.00	0	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	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	0.00	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	0.00	0.05	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.05	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.14	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.18	0	0	0	0	0.00	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	0.00	0	0.00	0.24	0	0	0	0	0.34	0	0	0	0	0.00	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	0.00	0	0.00	0.08	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0	0.00	0.13	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.11	0.0	0.0	0.0
2022_14_Q2	4/21/22 23:01	4/22/22 0:01	1,378,747	0.00	0.00	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0.05	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.07	0.00	0	0.00	0.10	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.03	0.00	0	0.00	0.06	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.07	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.07	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.12	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.12	0	0	0	0	0.00	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	0.00	0.00	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.10	0.0	0.0	0.0
2022_38_Q2	5/30/22 23:01	6/2/22 0:01	32,553,217	0.06	0.14	0.06	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.01	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.0	0.0	0.0
2022_3_Q3	7/4/22 23:01	7/8/22 0:01	7,948,057	0.00	0.03	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.04	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.08	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.21	0	0	0	0	0.20	0	0	0	0	0.00	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	0.00	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	0.00	0.08	0	0	0	0	0.07	0	0	0	0	0.00	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	0.00	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
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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.03	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.02	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.07	0	0	0	0	0.03	0	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	0.00	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.02	0	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	0.00	0.05	0	0	0	0	0.08	0	0	0	0	0.03	0	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.01	0	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.01	0	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	0.00	0.01	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.37	0	0	0	0	0.27	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.06	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.06	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.02	0	0	0	0	0.03	0	0	0	0	0.00	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	0.00	0.02	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	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	0.00	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	0.00	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	0.00	0.02	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.07	0	0	0	0	0.05	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.01	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.04	0	0	0	0	0.01	0	0	0	0	0.00	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	0.00	0.09	0.02	0	0.00	0.06	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.08	0.01	0	0.00	0.04	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.05	0.3	0.4	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	0.00	0.03	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.10	0	0	0	0	0.06	0	0	0	0	0.00	0	0	0	0.05	0.5	0.5	0.6
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	0.00	0.04	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.01	0.1	0.2	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	0.00	0.08	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0.03	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.11	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.05	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.25	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.05	0.00	0	0.00	0.15	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.27	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	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	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.3	0.3	0.3
2022_47_Q4	12/17/22 0:01	12/17/22 23:01	24,957,619	0.15	0.00	0.06	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.2	0.3	0.3
2022_48_Q4	12/17/22 23:01	12/19/22 0:01	27,714,349	0.11	0.00	0.07	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.2	0.2	0.2
2022_49_Q4	12/19/22 0:01	12/19/22 23:01	18,592,700	0.04	0.00	0.05	0.00	0	0.00	0.00	0	0	0	0	0.00	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)
2022_50_Q4	12/19/22 23:01	12/22/22 0:01	37,874,264	0.14	0.00	0.13	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.3	0.3	0.3
2022_51_Q4	12/22/22 0:01	12/22/22 23:01	15,790,606	0.08	0.00	0.06	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1
2022_52_Q4	12/22/22 23:01	12/26/22 0:01	62,331,609	0.23	0.00	0.21	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.4	0.4	0.4
2022_53_Q4	12/26/22 0:01	12/26/22 23:01	17,467,275	0.04	0.00	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1
2022_54_Q4	12/26/22 23:01	12/29/22 0:01	27,744,676	0.07	0.00	0.07	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.1	0.1	0.1
2022_55_Q4	12/29/22 0:01	12/29/22 23:01	11,761,147	0.03	0.00	0.04	0.00	0	0.00	0.09	0	0	0	0	0.00	0	0	0	0	0.00	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	0.00	0.07	0.00	0	0.00	0.27	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.07	0.4	0.4	0.4
2023_1_Q1	1/1/23 0:01	1/2/23 0:01	5,829,221	0.02	0.00	0.04	0.00	0	0.00	0.10	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.2	0.2	0.2
2023_2_Q1	1/2/23 0:01	1/2/23 23:01	6,039,474	0.03	0.00	0.06	0.00	0	0.00	0.11	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.2	0.2	0.2
2023_3_Q1	1/2/23 23:01	1/5/23 0:01	15,162,652	0.06	0.00	0.13	0.00	0	0.00	0.26	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.5	0.5	0.5
2023_4_Q1	1/5/23 0:01	1/5/23 23:01	10,871,970	0.03	0.00	0.05	0.00	0	0.00	0.15	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.04	0.2	0.2	0.2
2023_5_Q1	1/5/23 23:01	1/9/23 0:01	51,838,348	0.18	0.00	0.20	0.00	0	0.00	0.55	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.19	0.9	0.9	0.9
2023_6_Q1	1/9/23 0:01	1/9/23 23:01	11,686,986	0.04	0.00	0.01	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.05	0.1	0.1	0.1
2023_7_Q1	1/9/23 23:01	1/12/23 0:01	21,092,285	0.08	0.05	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.09	0.2	0.2	0.2
2023_8_Q1	1/12/23 0:01	1/12/23 23:01	8,304,850	0.02	0.07	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.03	0.1	0.1	0.1
2023_9_Q1	1/12/23 23:01	1/17/23 13:00	51,176,754	0.15	0.38	0.20	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.17	0.7	0.7	0.7
2023_10_Q1	1/17/23 13:00	1/19/23 0:01	17,009,816	0.05	0.08	0.05	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.2	0.2	0.2
2023_11_Q1	1/19/23 0:01	1/19/23 23:01	9,735,587	0.04	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.04	0.1	0.1	0.1
2023_12_Q1	1/19/23 23:01	1/23/23 0:01	19,216,322	0.21	0.02	0.10	0.01	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.08	0.4	0.4	0.4
2023_13_Q1	1/23/23 0:01	1/23/23 23:01	8,129,257	0.28	0.04	0.09	0.02	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.03	0.4	0.4	0.5
2023_14_Q1	1/23/23 23:01	1/26/23 0:01	44,051,867	1.33	0.16	0.42	0.08	0	0.00	0.00	0	0	0	0	0.20	0	0	0	0	0.04	0	0	0	0.17	2.0	2.0	2.3
2023_15_Q1	1/26/23 0:01	1/26/23 23:01	26,902,137	0.59	0.00	0.17	0.00	0	0.00	0.00	0	0	0	0	0.18	0	0	0	0	0.07	0	0	0	0.08	0.8	0.8	1.1
2023_16_Q1	1/26/23 23:01	1/31/23 12:18	121,157,989	2.32	0.11	0.69	0.00	0	0.00	0.29	0	0	0	0	0.71	0	0	0	0	0.25	0	0	0	0.36	3.4	3.4	4.8
2023_17_Q1	1/31/23 12:18	2/2/23 0:01	28,243,931	0.16	0.14	0.08	0.00	0	0.00	0.40	0	0	0	0	0.06	0	0	0	0	0.00	0	0	0	0.10	0.8	0.8	0.9
2023_18_Q1	2/2/23 0:01	2/2/23 23:01	15,668,787	0.10	0.10	0.05	0.00	0	0.00	0.00	0	0	0	0	0.06	0	0	0	0	0.04	0	0	0	0.06	0.2	0.2	0.4
2023_19_Q1	2/2/23 23:01	2/6/23 0:01	71,894,661	0.42	0.44	0.21	0.00	0	0.00	0.00	0	0	0	0	0.26	0	0	0	0	0.18	0	0	0	0.28	1.1	1.1	1.9
2023_20_Q1	2/6/23 0:01	2/6/23 23:01	21,801,791	0.10	0.13	0.07	0.00	0	0.00	0.00	0	0	0	0	0.09	0	0	0	0	0.07	0	0	0	0.07	0.3	0.3	0.6
2023_21_Q1	2/6/23 23:01	2/8/23 0:01	16,820,717	0.08	0.12	0.06	0.00	0	0.00	0.00	0	0	0	0	0.05	0	0	0	0	0.03	0	0	0	0.05	0.3	0.3	0.4
2023_22_Q1	2/8/23 0:01	2/8/23 23:01	9,413,199	0.04	0.08	0.04	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.03	0.2	0.2	0.2
2023_23_Q1	2/8/23 23:01	2/12/23 0:01	23,247,310	0.11	0.22	0.11	0.00	0	0.00	0.00	0	0	0	0	0.07	0	0	0	0	0.00	0	0	0	0.07	0.4	0.4	0.6
2023_24_Q1	2/12/23 0:01	2/12/23 23:01	7,660,585	0.05	0.10	0.04	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.02	0.2	0.2	0.2
2023_25_Q1	2/12/23 23:01	2/13/23 15:30	15,561,750	0.04	0.08	0.04	0.00	0	0.00	0.13	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.04	0.3	0.3	0.3
2023_26_Q1	2/13/23 15:30	2/15/23 9:22	76,034,981	0.15	0.18	0.00	0.00	0	0.00	0.99	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.19	1.3	1.3	1.3
2023_27_Q1	2/15/23 9:22	2/20/23 0:01	133,726,761	0.00	0.35	0.00	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0.3	0.3	0.3
2023_28_Q1	2/20/23 0:01	2/20/23 23:01	19,306,794	0.05	0.00	0.05	0.00	0	0.00	0.00	0	0	0	0	0.03	0	0	0	0	0.00	0	0	0	0.09	0.1	0.1	0.2
2023_29_Q1	2/20/23 23:01	2/22/23 13:20	29,822,991	0.07	0.00	0.07	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.13	0.1	0.1	0.1
2023_30_Q1	2/22/23 13:20	2/23/23 0:01	5,629,927	0.01	0.00	0.01	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.0	0.0	0.0
2023_31_Q1	2/23/23 0:01	2/23/23 23:01	9,601,025	0.04	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.03	0.1	0.1	0.1
2023_32_Q1	2/23/23 23:01	2/27/23 0:01	23,373,461	0.10	0.05	0.07	0.00	0	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.08	0.2	0.2	0.2
2023_33_Q1	2/27/23 0:01	2/27/23 23:01	6,865,703	0.03	0.06	0.03	0.00	0	0.00	0.00	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.1
2023_34_Q1	2/27/23 23:01	3/2/23 0:01	14,497,489	0.06	0.12	0.06	0.00	0	0.00	0.00	0	0	0	0	0.04	0	0	0	0	0.00	0	0	0	0.05	0.2	0.3	0.3
2023_35_Q1	3/2/23 0:01	3/2/23 23:01	6,256,098	0.03	0.05	0.03	0.00	0	0.00	0.00	0	0	0	0	0.02	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.2
2023_36_Q1	3/2/23 23:01	3/6/23 0:01	35,395,577	0.13	0.22	0.14	0.00	0	0.00	0.00	0	0	0	0	0.10	0	0	0	0	0.00	0	0	0	0.12	0.5	0.6	0.7
2023_37_Q1	3/6/23 0:01	3/6/23 23:01	14,556,360	0.03	0.00	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.05	0.1	0.1	0.1
2023_38_Q1	3/6/23 23:01	3/9/23 0:01	21,113,692	0.13	0.00	0.08	0.00	0	0.00	0.13	0	0	0	0	0.10	0	0	0	0	0.04	0	0	0	0.08	0.3	0.4	0.6
2023_39_Q1	3/9/23 0:01	3/9/23 23:01	6,786,699	0.10	0.00	0.04	0.00	0	0.00	0.14	0	0	0	0	0.10	0	0	0	0	0.04	0	0	0	0.03	0.3	0.3	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)
2023_40_Q1	3/9/23 23:01	3/13/23 0:01	15,897,644	0.20	0.00	0.10	0.00	0	0.00	0.29	0	0	0	0	0.18	0	0	0	0	0.07	0	0	0	0.07	0.6	0.6	1.0
2023_41_Q1	3/13/23 0:01	3/13/23 23:01	5,960,725	0.03	0.00	0.04	0.00	0	0.00	0.07	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.1
2023_42_Q1	3/13/23 23:01	3/16/23 0:01	21,638,941	0.09	0.00	0.12	0.00	0	0.00	0.18	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.07	0.4	0.4	0.4
2023_43_Q1	3/16/23 0:01	3/16/23 23:01	9,040,861	0.03	0.00	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.03	0.1	0.1	0.1
2023_44_Q1	3/16/23 23:01	3/20/23 0:01	18,988,994	0.08	0.03	0.07	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.2	0.2	0.2
2023_45_Q1	3/20/23 0:01	3/20/23 23:01	5,772,389	0.04	0.03	0.03	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.1
2023_46_Q1	3/20/23 23:01	3/23/23 0:01	21,430,473	0.14	0.08	0.09	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.08	0.3	0.3	0.3
2023_47_Q1	3/23/23 0:01	3/23/23 23:01	7,286,972	0.02	0.00	0.02	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.0	0.0	0.0
2023_48_Q1	3/23/23 23:01	3/27/23 0:01	16,418,561	0.07	0.04	0.06	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.2	0.2	0.2
2023_49_Q1	3/27/23 0:01	3/27/23 23:01	5,603,677	0.04	0.05	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.02	0.1	0.1	0.1
2023_50_Q1	3/27/23 23:01	3/30/23 0:01	25,586,593	0.14	0.16	0.13	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.10	0.4	0.4	0.4
2023_51_Q1	3/30/23 0:01	3/30/23 23:01	18,738,730	0.04	0.00	0.04	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.06	0.1	0.1	0.1
2023_52_Q1	3/30/23 0:01	4/1/23 0:00	32,221,655	0.07	0.00	0.07	0.00	0	0.00	0.00	0	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.10	0.1	0.1	0.1

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 RESULTS
Chemours Fayetteville Works, North Carolina

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

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)
CFR-TARHEEL-080320	8/3/20 14:50	0	110	120	140	--	2,450	7.6	8.3	9.7
CFR-TARHEEL-080420	8/4/20 12:30	0	210	210	240	--	4,250	25	25	29
CFR-TARHEEL-24-080620	8/6/20 22:55	24	21	21	24	760,600,000	--	5.2	5.2	5.9
CFR-TARHEEL-24-081020	8/10/20 21:56	24	36	36	36	507,950,000	--	6	6	6
CFR-TARHEEL-24-081220	8/12/20 23:01	24	46	46	72	672,600,000	--	10	10	16
CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	1,107,700,000	--	9.1	8.9	13
CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	750,330,000	--	12	11	16
CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	529,670,000	--	10	10	10
CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	515,400,000	--	7.4	7.5	9.5
CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	255,760,000	--	4.9	5	6.2
CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	146,080,000	--	7.7	7.6	11
CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	170,490,000	--	4.7	4.9	6.5
CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	135,600,000	--	4.4	4.9	6.8
CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	104,290,000	--	13	14	23
CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	570,840,000	--	11	11	13
CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	382,980,000	--	8.7	8.6	10
CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	382,150,000	--	8.8	8.8	11
CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	703,460,000	--	16	16	19
CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	841,660,000	--	14	14	16
CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	792,600,000	--	4.2	4.2	5.6
CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	971,470,000	--	24	23	31
CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	847,260,000	--	5.6	5.5	5.5
CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	126,380,000	--	2.7	2.7	3.2
CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	231,100,000	--	3	3	3.5
CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	352,550,000	--	20	20	25
CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	745,010,000	--	6.3	6.4	8.5
CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	632,270,000	--	6.6	6.5	8.7
CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	423,540,000	--	7.1	7	7
CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	325,130,000	--	6	6.4	8.7
CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	351,490,000	--	8.1	8.5	11
CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	547,940,000	--	9.2	9.7	10
CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	362,140,000	--	7.7	7.8	8.4
CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	198,700,000	--	5.9	6	8.2
CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	193,470,000	--	4.7	4.9	7.1
CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	538,380,000	--	51	51	66
CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13
CFR-TARHEEL-24-112420	11/24/20 23:01	24	31	31	38	975,960,000	--	9.9	10	12
CFR-TARHEEL-24-112620	11/26/20 23:01	24	36	36	45	691,990,000	--	8.2	8.2	10
CFR-TARHEEL-24-113020	11/30/20 23:01	24	94	94	120	541,810,000	--	17	17	20
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 RESULTS
Chemours Fayetteville Works, North Carolina

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)
CFR-TARHEEL-24-120720	12/7/20 23:01	24	25	25	40	899,500,000	--	7.4	7.2	12
CFR-TARHEEL-24-121020	12/10/20 23:01	24	29	29	29	756,860,000	--	7.2	7.3	7.3
CFR-TARHEEL-24-121320	12/13/20 23:01	24	43	43	60	427,890,000	--	6	6.1	8.4
CFR-TARHEEL-12-121420	12/14/20 11:59	11	48	48	66	187,550,000	--	6.4	6.5	8.8
CAP1220-TARHEEL-121620	12/15/20 16:11	0	70	74	84	--	6,270	12	13	15
CFR-TARHEEL-121720	12/17/20 12:29	0	13	13	20	--	14,200	5.2	5.2	8
CFR-TARHEEL-122120	12/21/20 13:52	0	18	18	24	--	14,000	7.1	7.1	9.5
CFR-TARHEEL-122320	12/23/20 9:30	0	7.1	7.1	10	--	14,400	2.9	2.9	4.1
CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
CFR-TARHEEL-010621	1/6/21 12:10	0	9.3	9.3	9.3	--	23,100	6.1	6.1	6.1
CFR-TARHEEL-010721	1/7/21 11:00	0	7	7	7	--	20,500	4.1	4.1	4.1
CFR-TARHEEL-011121	1/11/21 10:30	0	24	24	31	--	15,200	10	10	13
CFR-TARHEEL-011421	1/14/21 12:40	0	42	42	51	--	7,480	8.9	8.9	11
CFR-TARHEEL-24-012121	1/21/21 23:01	23	53	53	66	436,160,000	--	7.9	7.9	9.8
CFR-TARHEEL-24-012221	1/22/21 23:01	23	55	55	70	418,100,000	--	7.9	7.9	10
CAP0121-CFR-TARHEEL-012621	1/26/21 15:00	0	91	94	130	--	4,890	13	13	18
CAP0121-CFR-TARHEEL-24-012721	1/27/21 15:10	23	67	67	88	625,480,000	--	14	14	19
CFR-TARHEEL-24-012721	1/27/21 23:01	23	58	58	74	741,570,000	--	15	15	19
CFR-TARHEEL-24-012821	1/28/21 23:01	23	44	44	55	1,081,100,000	--	16	16	20
CFR-TARHEEL-020121	2/1/21 10:05	0	32	32	35	--	15,700	14	14	16
CFR-TARHEEL-020421	2/4/21 16:35	0	19	19	24	--	19,100	10	10	13
CFR-TARHEEL-020821	2/8/21 16:00	0	0	0	0	--	18,400	0	0	0
CFR-TARHEEL-38-021221	2/12/21 14:01	38	62	62	73	1,152,400,000	--	15	15	17
CFR-TARHEEL-021621	2/16/21 12:00	0	22	22	22	--	28,200	18	18	18
CFR-TARHEEL-021921	2/19/21 13:35	0	38	38	46	--	27,600	30	30	36
CFR-TARHEEL-022221	2/22/21 9:35	0	36	36	48	--	21,900	22	22	30
CAP0221-CFR-TARHEEL-022421	2/24/21 15:15	0	26	26	34	--	17,700	13	13	17
CFR-TARHEEL-022521	2/25/21 12:20	0	30	30	36	--	16,800	14	14	17
CFR-TARHEEL-24-030521	3/5/21 23:01	23	22	22	34	1,561,200,000	--	12	12	18
CFR-TARHEEL-24-030621	3/6/21 23:01	23	44	44	54	1,494,800,000	--	22	22	28
CFR-TARHEEL-24-030821	3/8/21 23:01	23	22	22	28	1,392,900,000	--	10	11	14
CFR-TARHEEL-24-031121	3/11/21 23:01	23	49	49	58	936,900,000	--	16	16	19
CFR-TARHEEL-24-031521	3/15/21 23:01	23	45	45	53	740,120,000	--	11	11	13
CFR-TARHEEL-24-031821	3/18/21 23:01	23	34	34	41	1,115,900,000	--	13	13	16
CFR-TARHEEL-24-032421	3/24/21 23:01	23	65	75	120	670,370,000	--	15	17	27
CFR-TARHEEL-24-032521	3/25/21 23:01	23	69	72	79	659,840,000	--	16	16	18
CAP0321-CFR-TARHEEL-032921	3/29/21 12:10	0	14	14	20	--	14,900	5.9	5.9	8.4
CAP0321-CFR-TARHEEL-21-033021	3/30/21 8:50	20	11	11	20	1,136,000,000	--	4.9	4.8	9
CFR-TARHEEL-24-032921	3/29/21 23:01	23	16	16	20	1,243,400,000	--	6.8	6.8	8.5
CFR-TARHEEL-24-033121	3/31/21 23:01	23	15	15	18	1,437,700,000	--	7.4	7.1	8.7
CFR-TARHEEL-24-033121-D	3/31/21 23:01	23	15	15	18	1,437,700,000	--	7.4	7.5	8.9
CFR-TARHEEL-24-040521	4/5/21 23:01	23	190	190	260	389,930,000	--	25	26	35
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 RESULTS
Chemours Fayetteville Works, North Carolina

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)
CFR-TARHEEL-24-041221	4/12/21 23:01	23	72	72	100	485,650,000	--	12	12	17
CFR-TARHEEL-24-041521	4/15/21 23:01	23	67	67	81	403,390,000	--	9.2	9.2	11
CFR-TARHEEL-24-041821	4/18/21 23:01	23	110	110	140	276,010,000	--	10	10	14
CFR-TARHEEL-24-041921	4/19/21 23:01	23	220	220	270	268,130,000	--	20	21	25
CAP0421-CFR-TARHEEL-042021	4/20/21 15:00	0	110	110	140	--	2,880	9	9	11
CAP0421-CFR-TARHEEL-5-042121	4/21/21 14:48	4	160	160	210	33,048,000	--	10	10	14
CAP0421-CFR-TARHEEL-24-042221	4/22/21 13:20	23	140	140	530	171,820,000	--	8.2	8.5	31
CFR-TARHEEL-042721	4/27/21 19:10	0	150	150	200	--	1,940	8.2	8.2	11
CFR-TARHEEL-24-042821	4/28/21 23:01	23	120	130	160	173,290,000	--	7.1	7.5	9.6
CFR-TARHEEL-24-050321	5/3/21 23:01	23	100	110	150	179,070,000	--	6.1	7	9.4
CFR-TARHEEL-24-050621	5/6/21 23:01	0	130	130	170	--	1,780	6.6	6.6	8.6
CFR-TARHEEL-24-051021	5/10/21 23:01	23	81	89	120	278,320,000	--	7.7	8.5	12
CFR-TARHEEL-24-051221	5/12/21 23:01	23	89	94	130	196,830,000	--	6	6.3	8.8
CFR-TARHEEL-24-051721	5/17/21 23:01	23	110	110	140	142,230,000	--	5.4	5.4	7
CFR-TARHEEL-24-052021	5/20/21 23:01	23	120	130	170	117,540,000	--	4.8	5.2	6.7
CFR-TARHEEL-24-052421	5/24/21 23:01	23	150	160	190	93,203,000	--	4.8	5	6.2
CAP0521-CFR-TARHEEL-052621	5/26/21 11:25	0	91	95	95	--	1,210	3.1	3.3	3.3
CAP0521-CFR-TARHEEL-24-052721	5/27/21 13:18	23	140	150	190	101,940,000	--	4.9	5.2	6.7
CFR-TARHEEL-24-052721	5/27/21 23:01	23	160	160	200	100,600,000	--	5.5	5.6	6.8
CFR-TARHEEL-24-060221	6/2/21 23:01	23	130	130	170	105,840,000	--	4.7	4.8	6
CFR-TARHEEL-24-060321	6/3/21 23:01	23	290	290	380	136,330,000	--	14	14	18
CFR-TARHEEL-24-060721	6/7/21 23:01	23	81	87	120	271,060,000	--	7.5	8	11
CFR-TARHEEL-24-061221	6/12/21 23:01	23	180	180	230	310,180,000	--	19	19	25
CFR-TARHEEL-24-061521	6/15/21 23:01	23	59	59	65	357,770,000	--	7.2	7.2	8
CAP0621-CFR-TARHEEL-24-061621	6/16/21 14:35	23	55	55	60	379,850,000	--	7.1	7.1	7.8
CFR-TARHEEL-24-061721	6/17/21 23:01	23	57	57	62	324,590,000	--	6.3	6.3	6.9
CFR-TARHEEL-24-062221	6/22/21 23:01	23	77	77	77	228,200,000	--	6	6	6
CFR-TARHEEL-24-062421	6/24/21 23:01	23	79	87	120	225,940,000	--	6.1	6.7	9.4
CFR-TARHEEL-24-070121	7/1/21 11:35	0	82	87	93	--	1,610	3.7	4	4.2
CFR-TARHEEL-24-070221	7/2/21 23:01	24	83	88	96	121,420,000	--	3.4	3.7	4
CFR-TARHEEL-24-070721	7/7/21 23:01	24	72	80	120	136,020,000	--	3.3	3.7	5.3
CFR-TARHEEL-24-070821	7/8/21 23:01	24	110	110	120	175,800,000	--	6.6	6.7	7
CFR-TARHEEL-24-071221	7/12/21 23:01	24	37	37	44	671,650,000	--	8.5	8.5	10
CFR-TARHEEL-24-071221-D	7/12/21 23:01	24	45	45	57	671,650,000	--	10	10	13
CFR-TARHEEL-24-071521	7/15/21 23:01	24	57	57	62	250,420,000	--	4.9	4.9	5.3
CFR-TARHEEL-24-071921	7/19/21 23:01	24	61	65	91	153,240,000	--	3.2	3.4	4.8
CFR-TARHEEL-24-072221	7/22/21 23:01	24	51	51	72	634,790,000	--	11	11	16
CFR-TARHEEL-24-072621	7/26/21 23:01	24	65	65	67	131,680,000	--	2.9	2.9	3
CAP0721-CFR-TARHEEL-072821	7/28/21 8:50	0	46	50	54	--	4,210	5.5	6	6.4
CAP0721-CFR-TARHEEL-24-072821	7/29/21 16:45	24	60	65	79	215,850,000	--	4.4	4.8	5.8
CFR-TARHEEL-24-072921	7/29/21 23:01	24	52	56	69	205,990,000	--	3.7	4	4.9
CFR-TARHEEL-24-080221	8/2/21 23:01	24	100	110	150	112,710,000	--	3.9	4.1	5.6
CFR-TARHEEL-24-080521	8/5/21 23:01	24	120	130	190	104,040,000	--	4.3	4.6	6.6
CFR-TARHEEL-24-081221	8/12/21 23:01	24	93	100	120	120,820,000	--	3.8	4.2	4.8
CFR-TARHEEL-24-081221-DUP	8/12/21 23:01	24	90	99	110	120,820,000	--	3.7	4.1	4.5

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

Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (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)
CFR-TARHEEL-24-081321	8/13/21 23:01	24	80	90	100	115,000,000	--	3.1	3.5	4.1
CFR-TARHEEL-24-081621	8/16/21 23:01	24	75	78	100	90,288,000	--	2.3	2.4	3.1
CAP0821-CFR-TARHEEL-081921	8/19/21 9:50	0	82	89	110	--	2,140	5	5.4	6.7
CFR-TARHEEL-24-081921	8/19/21 23:01	24	74	82	120	204,780,000	--	5.2	5.7	8.4
CAP0821-CFR-TARHEEL-24-082021	8/20/21 7:30	24	67	67	67	228,090,000	--	5.2	5.2	5.2
CFR-TARHEEL-24-082321	8/23/21 23:01	24	37	40	44	280,790,000	--	3.6	3.9	4.3
CFR-TARHEEL-24-082621	8/26/21 23:01	24	47	50	56	217,440,000	--	3.5	3.7	4.2
CFR-TARHEEL-24-082921	8/29/21 23:01	24	43	46	57	100,580,000	--	1.5	1.6	1.9
CFR-TARHEEL-24-090221	9/2/21 23:01	24	53	57	68	80,171,000	--	1.5	1.5	1.9
CFR-TARHEEL-24-090621	9/6/21 23:01	24	72	78	84	78,452,000	--	1.9	2.1	2.3
CFR-TARHEEL-24-090921	9/9/21 23:01	24	69	76	81	83,971,000	--	2	2.2	2.3
CFR-TARHEEL-24-091321	9/13/21 23:01	24	66	77	97	105,270,000	--	2.4	2.8	3.5
CFR-TARHEEL-24-091321-D	9/13/21 23:01	24	65	76	97	105,270,000	--	2.3	2.7	3.5
CAP0921-CFR-TARHEEL-091521	9/15/21 9:00	0	100	110	140	--	1,060	3	3.3	4.2
CAP0921-CFR-TARHEEL-24-091521	9/15/21 20:36	24	93	100	130	84,564,000	--	2.7	3	3.7
CFR-TARHEEL-24-091621	9/16/21 23:01	24	96	110	140	79,752,000	--	2.6	3	3.7
CFR-TARHEEL-24-092021	9/20/21 23:01	24	82	87	100	81,212,000	--	2.3	2.4	2.8
CFR-TARHEEL-24-092121	9/21/21 23:01	24	83	87	97	78,083,000	--	2.2	2.3	2.6
CFR-TARHEEL-24-092721	9/27/21 23:01	24	48	48	62	179,230,000	--	2.9	2.9	3.8
CFR-TARHEEL-24-093021	9/30/21 23:01	24	88	91	110	82,816,000	--	2.5	2.6	3.2
CFR-TARHEEL-24-100421	10/4/21 23:01	24	80	83	93	68,902,000	--	1.9	1.9	2.2
CFR-TARHEEL-24-100721	10/7/21 23:01	24	79	85	110	85,113,000	--	2.3	2.5	3.1
CFR-TARHEEL-24-101121	10/11/21 23:01	24	18	24	35	601,040,000	--	3.7	4.8	7.2
CFR-TARHEEL-24-101121-D	10/11/21 23:01	24	18	23	28	601,040,000	--	3.7	4.8	5.8
CFR-TARHEEL-24-101521	10/15/21 23:01	24	51	51	56	101,950,000	--	1.8	1.8	2
CFR-TARHEEL-24-101821	10/18/21 23:01	24	72	74	82	79,027,000	--	1.9	2	2.2
CAP1021-CFR-TARHEEL-102021	10/20/21 11:50	0	80	86	110	--	927	2.1	2.3	2.9
CAP1021-CFR-TARHEEL-24-102121	10/21/21 15:24	24	87	94	120	74,380,000	--	2.2	2.4	3.1
CFR-TARHEEL-24-102121	10/21/21 23:01	24	87	93	120	73,328,000	--	2.2	2.3	3
CFR-TARHEEL-24-102521	10/25/21 23:01	24	81	88	97	74,909,000	--	2.1	2.3	2.5
CFR-TARHEEL-24-102821	10/28/21 23:01	24	72	78	86	76,447,000	--	1.9	2	2.2
CFR-TARHEEL-24-110121	11/1/21 23:01	24	72	77	89	96,247,000	--	2.4	2.5	2.9
CFR-TARHEEL-24-110421	11/4/21 23:01	24	72	79	90	83,907,000	--	2.1	2.3	2.6
CFR-TARHEEL-24-110821	11/8/21 23:01	24	77	84	110	78,491,000	--	2.1	2.3	2.8
CFR-TARHEEL-24-110821-D	11/8/21 23:01	24	74	81	97	78,491,000	--	2	2.2	2.6
CAP1121-CFR-TARHEEL-111021	11/10/21 10:50	0	79	85	92	--	935	2.1	2.3	2.4
CAP1121-CFR-TARHEEL-24-111121	11/11/21 15:36	24	78	84	92	75,278,000	--	2	2.2	2.4
CFR-TARHEEL-24-111121	11/11/21 23:01	24	79	85	93	78,075,000	--	2.1	2.3	2.5
CFR-TARHEEL-24-111521	11/15/21 23:01	24	68	77	100	88,596,000	--	2.1	2.3	3
FAY-CFR-TARHEEL-A-111521	11/15/21 12:55	0	68	76	90	--	1,070	2.1	2.3	2.7
FAY-CFR-TARHEEL-B-111521	11/15/21 12:55	0	75	87	130	--	1,070	2.3	2.6	3.9
FAY-CFR-TARHEEL-C-111521	11/15/21 12:55	0	60	70	87	--	1,070	1.8	2.1	2.6
FAY-CFR-TARHEEL-D-111521	11/15/21 12:55	0	95	100	140	--	1,070	2.9	3	4.2
CFR-TARHEEL-24-111821	11/18/21 23:01	24	94	100	120	78,460,000	--	2.5	2.7	3.3
CFR-TARHEEL-24-112221	11/22/21 23:01	24	62	68	73	79,029,000	--	1.7	1.8	2

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

Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (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)
CFR-TARHEEL-24-112521	11/25/21 23:01	24	61	68	80	96,111,000	--	2	2.2	2.6
CFR-TARHEEL-24-112921	11/29/21 23:01	24	56	62	68	85,796,000	--	1.6	1.8	2
CFR-TARHEEL-24-120221	12/2/21 23:01	24	65	65	71	83,052,000	--	1.8	1.8	2
CFR-TARHEEL-24-120621	12/6/21 23:01	24	64	64	71	77,685,000	--	1.7	1.7	1.9
CFR-TARHEEL-24-120921	12/9/21 23:01	24	120	120	130	138,830,000	--	5.7	5.5	6.1
CFR-TARHEEL-24-121321	12/13/21 23:01	24	15	20	20	108,230,000	--	0.56	0.73	0.73
CAP1221-CFR-TARHEEL-121521	12/15/21 10:35	0	32	42	51	--	1,120	1	1.3	1.6
CAP1221-CFR-TARHEEL-24-121621	12/16/21 8:16	24	52	64	73	87,165,000	--	1.6	1.9	2.2
CFR-TARHEEL-24-121621	12/16/21 23:01	24	56	68	68	85,544,000	--	1.6	2	2
CFR-TARHEEL-24-122021	12/20/21 23:01	24	85	94	110	105,170,000	--	3.1	3.4	4.1
CFR-TARHEEL-24-122321	12/23/21 23:01	24	47	58	80	183,910,000	--	3	3.6	5
CFR-TARHEEL-24-122721	12/27/21 23:01	24	70	74	89	99,945,000	--	2.4	2.5	3
CFR-TARHEEL-24-123021	12/30/21 23:01	24	73	76	87	87,740,000	--	2.2	2.3	2.6
CFR-TARHEEL-24-010222	1/2/22 23:01	24	53	56	60	172,310,000	--	3.1	3.3	3.5
CFR-TARHEEL-24-010322	1/3/22 23:01	24	95	99	120	294,060,000	--	9.6	10	12
CFR-TARHEEL-24-011122	1/11/22 23:01	24	20	20	26	437,080,000	--	3	2.9	3.8
CFR-TARHEEL-24-011322	1/13/22 23:01	24	8.4	8.4	13	511,580,000	--	1.5	1.5	2.2
CFR-TARHEEL-24-011922	1/19/22 23:01	24	12	12	17	608,650,000	--	2.5	2.4	3.6
CFR-TARHEEL-24-011922-D	1/19/22 23:01	24	12	12	15	608,650,000	--	2.5	2.6	3
CFR-TARHEEL-15-012022	1/20/22 14:01	15	11	11	14	340,370,000	--	2.1	2.1	2.7
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
CAP1Q22-CFR-TARHEEL-012622	1/26/22 16:40	0	16	16	19	--	6,530	3	3	3.5
CAP1Q22-CFR-TARHEEL-24-012722	1/27/22 11:54	24	16	18	21	517,630,000	--	2.8	3.2	3.8
CFR-TARHEEL-24-012822	1/28/22 23:01	24	28	28	28	376,980,000	--	3.6	3.6	3.6
CFR-TARHEEL-24-013122	1/31/22 23:01	24	40	43	45	209,850,000	--	2.9	3.1	3.3
CFR-TARHEEL-24-020322	2/3/22 23:01	24	57	60	64	186,840,000	--	3.6	3.8	4.1
CFR-TARHEEL-24-020722	2/7/22 23:01	24	30	34	36	342,840,000	--	3.5	4	4.2
CFR-TARHEEL-24-020722-D	2/7/22 23:01	24	30	34	39	342,840,000	--	3.5	4	4.6
CFR-TARHEEL-24-021122	2/11/22 23:01	24	13	13	13	458,340,000	--	2	2	2
CFR-TARHEEL-24-021422	2/14/22 23:01	24	31	35	37	202,870,000	--	2.2	2.4	2.6
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
CFR-TARHEEL-24-022622	2/26/22 23:01	24	7	7	7	224,670,000	--	0.54	0.54	0.54
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
CFR-TARHEEL-24-022822	2/28/22 23:01	24	0	0	0	361,320,000	--	0	0	0
CFR-TARHEEL-24-030322	3/3/22 23:01	24	6.8	12	31	377,850,000	--	0.88	1.5	4
CFR-TARHEEL-24-030722	3/7/22 23:01	24	28	34	52	144,960,000	--	1.4	1.7	2.6
CFR-TARHEEL-24-031022	3/10/22 23:01	24	41	48	66	157,940,000	--	2.2	2.6	3.6
CFR-TARHEEL-24-031022-D	3/10/22 23:01	24	43	50	69	157,940,000	--	2.3	2.7	3.7
CFR-TARHEEL-031722	3/17/22 12:30	0	4.7	4.7	4.7	--	11,100	1.5	1.5	1.5
CFR-TARHEEL-031822	3/18/22 9:00	0	0	0	0	--	24,800	0	0	0
CFR-TARHEEL-24-032322	3/23/22 8:10	24	17	17	17	847,430,000	--	4.9	4.9	4.9
CFR-TARHEEL-032422	3/24/22 13:05	0	9.4	9.4	9.4	--	7,680	2	2	2
CFR-TARHEEL-24-032922	3/29/22 23:01	24	8	8	8	662,420,000	--	1.8	1.8	1.8
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
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 RESULTS
Chemours Fayetteville Works, North Carolina

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)
CFR-TARHEEL-24-040722	4/7/22 23:01	24	18	18	29	564,760,000	--	3.5	3.4	5.6
CFR-TARHEEL-24-041122	4/11/22 23:01	24	32	34	38	273,800,000	--	3	3.2	3.6
CFR-TARHEEL-24-041122-D	4/11/22 23:01	24	31	34	39	273,800,000	--	2.9	3.1	3.6
CFR-TARHEEL-24-041522	4/15/22 23:01	24	12	14	14	166,400,000	--	0.68	0.82	0.82
CAP2Q22-CFR-TARHEEL-041922	4/19/22 17:05	0	27	32	38	--	2,540	1.9	2.3	2.7
CAP2Q22-CFR-TARHEEL-24-042022	4/20/22 16:33	24	35	46	85	837,190,000	--	10	13	24
CFR-TARHEEL-24-042122	4/21/22 23:01	24	0	0	0	1,227,100,000	--	0	0	0
CFR-TARHEEL-24-042222	4/22/22 23:01	24	2.1	2.1	2.1	809,250,000	--	0.58	0.58	0.58
CFR-TARHEEL-24-042522	4/25/22 23:01	24	23	27	27	187,090,000	--	1.5	1.7	1.7
CFR-TARHEEL-24-042822	4/28/22 23:01	24	24	29	32	220,240,000	--	1.8	2.2	2.4
CFR-TARHEEL-24-050222	5/2/22 23:01	24	49	55	59	125,950,000	--	2.1	2.4	2.5
CFR-TARHEEL-24-050522	5/5/22 23:01	24	37	45	51	137,170,000	--	1.7	2.1	2.4
CFR-TARHEEL-24-050922	5/9/22 23:01	24	34	42	49	186,550,000	--	2.2	2.7	3.1
CFR-TARHEEL-24-050922-D	5/9/22 23:01	24	30	37	44	186,550,000	--	1.9	2.4	2.8
CFR-TARHEEL-24-051322	5/13/22 23:01	24	29	32	37	154,790,000	--	1.5	1.7	1.9
CFR-TARHEEL-24-051622	5/16/22 23:01	24	28	32	41	172,700,000	--	1.7	1.9	2.4
CFR-TARHEEL-24-051922	5/19/22 23:01	24	27	33	45	124,930,000	--	1.2	1.4	1.9
CFR-TARHEEL-24-052322	5/23/22 23:01	24	44	48	58	88,380,000	--	1.3	1.4	1.7
CFR-TARHEEL-24-052622	5/26/22 23:01	24	16	22	26	269,670,000	--	1.5	2	2.4
CFR-TARHEEL-24-053022	5/30/22 23:01	24	0	0	0	746,420,000	--	0	0	0
CFR-TARHEEL-24-060222	6/2/22 23:01	24	16	19	19	150,280,000	--	0.82	0.99	0.99
CFR-TARHEEL-24-060622	6/6/22 23:01	24	42	45	52	76,532,000	--	1.1	1.2	1.4
CFR-TARHEEL-24-060622-D	6/6/22 23:01	24	62	66	74	76,532,000	--	1.6	1.7	1.9
CFR-TARHEEL-24-060922	6/9/22 23:01	24	48	51	56	81,526,000	--	1.3	1.4	1.6
CFR-TARHEEL-24-061322	6/13/22 23:01	24	41	48	55	102,230,000	--	1.4	1.7	1.9
CFR-TARHEEL-24-061622	6/16/22 23:01	24	43	51	60	82,593,000	--	1.2	1.4	1.7
CFR-TARHEEL-24-062022	6/20/22 23:01	24	47	47	47	78,746,000	--	1.3	1.3	1.3
CFR-TARHEEL-24-062322	6/23/22 23:01	24	41	41	41	70,710,000	--	0.99	0.99	0.99
CFR-TARHEEL-24-062722	6/27/22 23:01	24	50	61	69	64,095,000	--	1.1	1.3	1.5
CFR-TARHEEL-24-063022	6/30/22 23:01	24	52	60	69	80,846,000	--	1.4	1.7	1.9
CFR-TARHEEL-24-070422	7/4/22 23:01	24	0	0	0	91,052,000	--	0	0	0
CFR-TARHEEL-23-070822	7/8/22 23:01	24	15	15	15	160,470,000	--	0.8	0.82	0.82
CFR-TARHEEL-24-070922	7/9/22 23:01	24	38	45	67	266,740,000	--	3.5	4.1	6.1
CFR-TARHEEL-24-071122	7/11/22 23:01	24	27	35	42	284,920,000	--	2.6	3.4	4.0
CFR-TARHEEL-24-071422	7/14/22 23:01	24	47	53	63	121,110,000	--	1.9	2.2	2.6
CFR-TARHEEL-24-071822	7/18/22 23:01	24	47	53	65	187,740,000	--	3.0	3.4	4.1
CFR-TARHEEL-24-071822-D	7/18/22 23:01	24	47	53	74	187,740,000	--	3.0	3.4	4.7
CAP3Q22-CFR-TARHEEL-072022	7/20/22 15:35	0	45	50	58	--	1,530	1.9	2.2	2.5
CAP3Q22-CFR-TARHEEL-24-072122	7/21/22 23:01	24	28	28	28	98,271,000	--	0.94	0.94	0.94
CFR-TARHEEL-24-072122	7/21/22 23:01	24	37	37	37	98,271,000	--	1.2	1.3	1.3
CFR-TARHEEL-24-072522	7/25/22 23:01	24	45	45	52	75,630,000	--	1.2	1.2	1.3
CFR-TARHEEL-24-072822	7/28/22 23:01	24	31	35	35	77,677,000	--	0.82	0.94	0.94
CFR-TARHEEL-24-080122	8/1/22 23:01	24	48	48	53	74,949,000	--	1.2	1.2	1.4
CFR-TARHEEL-24-080422	8/4/22 23:01	24	31	31	31	251,410,000	--	2.7	2.6	2.6
CFR-TARHEEL-24-081022	8/10/22 23:01	24	47	52	62	67,882,000	--	1.1	1.2	1.4

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

Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (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)
CFR-TARHEEL-24-081022-D	8/10/22 23:01	24	41	41	41	67,882,000	--	0.95	0.95	0.95
CFR-TARHEEL-24-081222	8/12/22 23:01	24	36	36	36	65,345,000	--	0.80	0.80	0.80
CFR-TARHEEL-24-081522	8/15/22 23:01	24	29	38	48	92,313,000	--	0.92	1.2	1.5
CFR-TARHEEL-24-081822	8/18/22 23:01	24	30	30	30	96,372,000	--	0.99	0.98	0.98
CFR-TARHEEL-24-082222	8/22/22 23:01	24	25	36	36	121,310,000	--	1.0	1.5	1.5
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
CFR-TARHEEL-24-082922	8/29/22 23:01	24	26	26	26	87,507,000	--	0.78	0.77	0.77
CFR-TARHEEL-24-090122	9/1/22 23:01	24	53	64	69	74,268,000	--	1.3	1.6	1.7
CFR-TARHEEL-24-090522	9/5/22 23:01	24	51	59	64	68,400,000	--	1.2	1.4	1.5
CFR-TARHEEL-24-090822	9/8/22 23:01	24	41	53	53	77,748,000	--	1.1	1.4	1.4
CFR-TARHEEL-24-091222	9/12/22 23:01	24	3.0	3.0	3.0	406,040,000	--	0.42	0.42	0.42
CFR-TARHEEL-24-091222-D	9/12/22 23:01	24	5.8	5.8	5.8	406,040,000	--	0.81	0.81	0.81
CFR-TARHEEL-24-091522	9/15/22 23:01	24	25	28	52	115,160,000	--	0.98	1.1	2.0
CFR-TARHEEL-24-091922	9/19/22 23:01	24	59	63	80	80,477,000	--	1.6	1.7	2.2
CFR-TARHEEL-24-092222	9/22/22 23:01	24	18	29	35	63,672,000	--	0.39	0.64	0.76
CFR-TARHEEL-24-092622	9/26/22 23:01	24	31	37	51	61,141,000	--	0.65	0.77	1.1
CFR-TARHEEL-092922	9/29/22 11:15	0	77	84	91	--	677	1.5	1.6	1.7
CFR-TARHEEL-24-100522	10/5/22 23:01	24	21	24	28	228,200,000	--	1.6	1.8	2.2
CFR-TARHEEL-24-100722	10/7/22 23:01	24	35	35	40	113,060,000	--	1.4	1.4	1.6
CFR-TARHEEL-24-101022	10/10/22 23:01	24	62	65	65	78,234,000	--	1.7	1.7	1.7
CFR-TARHEEL-24-101022-D	10/10/22 23:01	24	64	67	74	78,234,000	--	1.7	1.8	2.0
CFR-TARHEEL-24-101322	10/13/22 23:01	24	76	83	100	67,322,000	--	1.7	1.9	2.3
CFR-TARHEEL-24-101722	10/17/22 23:01	24	49	58	73	74,389,000	--	1.2	1.5	1.8
CFR-TARHEEL-24-102022	10/20/22 23:01	24	89	95	110	62,120,000	--	1.9	2.0	2.4
CFR-TARHEEL-24-102422	10/24/22 23:01	24	110	120	140	63,073,000	--	2.4	2.5	2.9
CFR-TARHEEL-24-102722	10/27/22 23:01	24	89	94	100	66,491,000	--	2.0	2.1	2.4
CFR-TARHEEL-24-103122	10/31/22 23:01	24	93	100	120	69,652,000	--	2.2	2.5	3.0
CFR-TARHEEL-24-110322	11/3/22 23:01	24	41	49	53	137,080,000	--	1.9	2.3	2.5
CFR-TARHEEL-24-110722	11/7/22 23:01	24	50	57	61	81,470,000	--	1.4	1.6	1.7
CAP4Q22-CFR-TARHEEL-110922	11/9/22 9:00	0	33	71	71	--	954	0.89	1.9	1.9
CAP4Q22-CFR-TARHEEL-24-111022	11/10/22 23:01	24	0	78	84	72,111,000	--	0	1.9	2.1
CFR-TARHEEL-24-111222	11/12/22 23:01	24	54	58	58	141,730,000	--	2.6	2.8	2.8
CFR-TARHEEL-24-111422	11/14/22 23:01	24	14	17	17	163,180,000	--	0.78	0.94	0.94
CFR-TARHEEL-24-111422-D	11/14/22 23:01	24	14	18	18	163,180,000	--	0.78	0.98	0.98
CFR-TARHEEL-24-111722	11/17/22 23:01	24	59	63	70	109,110,000	--	2.2	2.4	2.6
CFR-TARHEEL-24-112122	11/21/22 23:01	24	51	58	73	94,005,000	--	1.6	1.9	2.3
CFR-TARHEEL-24-112422	11/24/22 23:01	24	55	59	59	79,700,000	--	1.5	1.6	1.6
CFR-TARHEEL-24-112822	11/28/22 23:01	24	44	44	44	149,790,000	--	2.3	2.3	2.3
CFR-TARHEEL-24-120122	12/1/22 23:01	24	18	18	18	468,000,000	--	2.9	2.8	2.8
CFR-TARHEEL-24-120522	12/5/22 23:01	24	3.4	12	12	375,250,000	--	0.44	1.5	1.5
CFR-TARHEEL-24-120822	12/8/22 23:01	24	7.8	35	35	148,700,000	--	0.4	1.8	1.8
CFR-TARHEEL-24-121222	12/12/22 23:01	24	14	17	17	238,340,000	--	1.1	1.4	1.4
CFR-TARHEEL-24-121222-D	12/12/22 23:01	24	0	17	17	238,340,000	--	0	1.4	1.4
CFR-TARHEEL-24-121722	12/17/22 23:01	24	8.4	10	10	881,360,000	--	2.5	3.1	3.1
CFR-TARHEEL-24-121922	12/19/22 23:01	24	0	5.1	5.1	656,600,000	--	0	1.1	1.1

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

Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (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)
CFR-TARHEEL-24-122222	12/22/22 23:01	24	0	9.2	9.2	557,640,000	--	0	1.8	1.8
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
CFR-TARHEEL-24-122922	12/29/22 23:01	24	23	23	23	415,340,000	--	3.3	3.2	3.2
CFR-TARHEEL-24-010223	1/2/23 23:01	24	33	33	33	213,280,000	--	2.4	2.4	2.4
CFR-TARHEEL-24-010523	1/5/23 23:01	24	22	22	22	383,940,000	--	2.9	2.9	2.9
CFR-TARHEEL-24-010923	1/9/23 23:01	24	4.5	4.5	4.5	412,720,000	--	0.64	0.64	0.64
CFR-TARHEEL-24-010923-D	1/9/23 23:01	24	5.1	5.1	5.1	412,720,000	--	0.72	0.72	0.72
CFR-TARHEEL-24-011223	1/12/23 23:01	24	15	15	15	293,280,000	--	1.5	1.5	1.5
CFR-TARHEEL-011723	1/17/23 13:00	0	11	11	11	--	5,110	1.6	1.6	1.6
CFR-TARHEEL-24-011923	1/19/23 23:01	24	7.3	7.3	7.3	343,810,000	--	0.86	0.86	0.86
CFR-TARHEEL-24-012323	1/23/23 23:01	24	53	53	57	287,080,000	--	5.2	5.2	5.5
CFR-TARHEEL-24-012323 (Reanalyzed)	1/23/23 23:01	24	82	82	93	287,080,000	--	8.1	8.1	9.2
CFR-TARHEEL-24-012623	1/26/23 23:01	24	57	57	72	950,040,000	--	18	18	23
CFR-TARHEEL-24-012623 (Reanalyzed)	1/26/23 23:01	24	28	28	41	950,040,000	--	9.2	9.2	13
CFR-TARHEEL-013123	1/31/23 12:18	0	28	28	34	--	7,910	6.2	6.3	7.6
CFR-TARHEEL-24-020223	2/2/23 23:01	24	15	15	25	553,340,000	--	2.9	2.9	4.8
CFR-TARHEEL-24-020623	2/6/23 23:01	24	14	14	27	769,920,000	--	3.7	3.7	7.2
CFR-TARHEEL-24-020823	2/8/23 23:01	24	17	17	24	332,420,000	--	1.9	1.9	2.7
CFR-TARHEEL-24-021223	2/12/23 23:01	24	25	27	31	270,530,000	--	2.3	2.5	2.9
CAP1Q23-CFR-TARHEEL-021323	2/13/23 15:30	0	14	16	16	--	14,600	5.8	6.6	6.6
CAP1Q23-CFR-TARHEEL-021323-D	2/13/23 15:30	0	17	17	17	--	14,600	7.2	7	7
CFR-TARHEEL-021523	2/15/23 9:22	0	2.6	2.6	2.6	--	16,600	1.2	1.2	1.2
CFR-TARHEEL-24-022023	2/20/23 23:01	24	5.4	5.4	5.4	681,810,000	--	1.3	1.3	1.3
CFR-TARHEEL-24-022023-D	2/20/23 23:01	24	5.4	5.4	13	681,810,000	--	1.3	1.3	2.9
CAP1Q23-CFR-TARHEEL-022223	2/22/23 13:20	0	4.3	4.3	4.3	--	6,390	0.78	0.78	0.78
CFR-TARHEEL-24-022323	2/23/23 23:01	24	6.9	6.9	6.9	339,060,000	--	0.80	0.80	0.80
CFR-TARHEEL-24-022723	2/27/23 23:01	24	17	17	19	242,460,000	--	1.4	1.4	1.6
CFR-TARHEEL-24-030223	3/2/23 23:01	24	17	17	20	220,930,000	--	1.2	1.2	1.5
CFR-TARHEEL-24-030623	3/6/23 23:01	24	4.7	4.7	4.7	514,050,000	--	0.83	0.83	0.83
CFR-TARHEEL-24-030923	3/9/23 23:01	24	41	41	71	239,670,000	--	3.4	3.4	5.8
CFR-TARHEEL-24-031323	3/13/23 23:01	24	23	23	23	210,500,000	--	1.7	1.7	1.7
CFR-TARHEEL-24-031623	3/16/23 23:01	24	6.3	6.3	8.9	319,270,000	--	0.69	0.69	0.97
CFR-TARHEEL-24-032023	3/20/23 23:01	24	19	19	19	203,850,000	--	1.3	1.3	1.3
CFR-TARHEEL-24-032023-D	3/20/23 23:01	24	15	15	15	203,850,000	--	1.0	1.0	1.0
CFR-TARHEEL-24-032323	3/23/23 23:01	24	6.4	6.4	6.4	257,340,000	--	0.56	0.56	0.56
CFR-TARHEEL-24-032723	3/27/23 23:01	24	22	22	22	197,890,000	--	1.5	1.5	1.5
CFR-TARHEEL-24-033023	3/30/23 23:01	24	4.4	4.4	4.4	661,750,000	--	1.0	1.0	1.0

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

ft^3 - cubic feet

ft^3/s - cubic feet per second

mg/s - milligrams per second

ng/L - nanograms per liter

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

Q1 2023 Quarterly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Travel Time Offset (hr)[2]	Adjusted Flow Gauging Timepoint	Composite Sample 24-Hour Flow Volume (MGD)[3]	Grab Sample Instantaneous Flow Rate (ft^3/s)[4]
February 2023	Upstream River Water and Groundwater	02/13/23 13:00	William O Huske Lock and Dam	--	02/13/23 13:00	--	15,000
	Tarheel (Grab Sample)	02/13/23 15:40	William O Huske Lock and Dam	4	02/13/23 12:45	--	14,900
	Tarheel (Grab Sample)	02/22/23 13:20	William O Huske Lock and Dam	5	02/22/23 9:15	--	6,390
	Bladen Bluff	02/22/23 12:05	William O Huske Lock and Dam	4	02/22/23 9:15	--	6,390
	Kings Bluff	02/24/23 11:35	Cape Fear River Lock and Dam #1	--	02/24/23 11:35	--	4,300

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]
02/13/23 0:00	5,690	38,307,640	3.86	0
02/13/23 0:15	5,770	38,846,237	3.89	0
02/13/23 0:30	5,880	39,586,806	3.93	0
02/13/23 0:45	5,990	40,327,375	3.97	0
02/13/23 1:00	6,080	40,933,296	4.00	0
02/13/23 1:15	6,190	41,673,865	4.04	0
02/13/23 1:30	6,300	42,414,435	4.08	0
02/13/23 1:45	6,450	43,424,303	4.13	0
02/13/23 2:00	6,530	43,962,898	4.16	0
02/13/23 2:15	6,680	44,972,766	4.21	0
02/13/23 2:30	6,800	45,780,660	4.25	0
02/13/23 2:45	6,970	46,925,176	4.31	0
02/13/23 3:00	7,100	47,800,395	4.36	0
02/13/23 3:15	7,240	48,742,938	4.41	0
02/13/23 3:30	7,360	49,550,832	4.45	0
02/13/23 3:45	7,530	50,695,348	4.51	0
02/13/23 4:00	7,730	52,041,839	4.58	0
02/13/23 4:15	7,850	52,849,732	4.62	0
02/13/23 4:30	8,030	54,061,573	4.68	0
02/13/23 4:45	8,210	55,273,415	4.74	0
02/13/23 5:00	8,390	56,485,255	4.80	0
02/13/23 5:15	8,580	57,764,421	4.86	0
02/13/23 5:30	8,760	58,976,262	4.92	0
02/13/23 5:45	8,940	60,188,103	4.98	0
02/13/23 6:00	9,160	61,669,242	5.05	0
02/13/23 6:15	9,370	63,083,057	5.12	0
02/13/23 6:30	9,560	64,362,222	5.18	0
02/13/23 6:45	9,790	65,910,685	5.25	0
02/13/23 7:00	10,000	67,324,500	5.32	0
02/13/23 7:15	10,200	68,670,990	5.38	0
02/13/23 7:30	10,400	70,017,480	5.45	0
02/13/23 7:45	10,700	72,037,215	5.52	0
02/13/23 8:00	10,900	73,383,705	5.58	0
02/13/23 8:15	11,100	74,730,195	5.64	0
02/13/23 8:30	11,300	76,076,685	5.72	0
02/13/23 8:45	11,500	77,423,175	5.78	0
02/13/23 9:00	11,600	78,096,420	5.82	0
02/13/23 9:15	11,900	80,116,155	5.90	0
02/13/23 9:30	12,100	81,462,645	5.96	0
02/13/23 9:45	12,300	82,809,135	6.02	0
02/13/23 10:00	12,500	84,155,625	6.08	0
02/13/23 10:15	12,800	86,175,360	6.16	0
02/13/23 10:30	13,000	87,521,850	6.22	0
02/13/23 10:45	13,200	88,868,340	6.28	0
02/13/23 11:00	13,400	90,214,830	6.33	0
02/13/23 11:15	13,500	90,888,075	6.38	0
02/13/23 11:30	13,800	92,907,810	6.45	0
02/13/23 11:45	14,000	94,254,300	6.51	0
02/13/23 12:00	14,200	95,600,790	6.57	0
02/13/23 12:15	14,400	96,947,280	6.62	0
02/13/23 12:30	14,600	98,293,770	6.68	0
02/13/23 12:45	14,900	100,313,505	6.75	0
02/13/23 13:00	15,000	100,986,750	6.80	0
02/13/23 13:15	15,300	103,006,485	6.87	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]
02/13/23 13:30	15,500	104,352,975	6.93	0
02/13/23 13:45	15,800	106,372,710	7.00	0
02/13/23 14:00	16,000	107,719,200	7.06	0
02/13/23 14:15	16,200	109,065,690	7.10	0
02/13/23 14:30	16,400	110,412,180	7.16	0
02/13/23 14:45	16,600	111,758,670	7.23	0
02/13/23 15:00	16,800	113,105,160	7.29	0
02/13/23 15:15	17,000	114,451,650	7.34	0
02/13/23 15:30	17,200	115,798,140	7.39	0
02/13/23 15:45	17,500	117,817,875	7.46	0
02/13/23 16:00	17,600	118,491,120	7.51	0
02/13/23 16:15	17,700	119,164,365	7.56	0
02/13/23 16:30	17,800	119,837,610	7.62	0
02/13/23 16:45	17,900	120,510,855	7.69	0
02/13/23 17:00	17,800	119,837,610	7.75	0
02/13/23 17:15	17,900	120,510,855	7.82	0
02/13/23 17:30	17,800	119,837,610	7.87	0
02/13/23 17:45	17,800	119,837,610	7.94	0
02/13/23 18:00	17,900	120,510,855	8.02	0
02/13/23 18:15	17,900	120,510,855	8.09	0
02/13/23 18:30	18,000	121,184,100	8.16	0
02/13/23 18:45	17,900	120,510,855	8.21	0
02/13/23 19:00	18,100	121,857,345	8.29	0
02/13/23 19:15	18,000	121,184,100	8.34	0
02/13/23 19:30	18,100	121,857,345	8.42	0
02/13/23 19:45	18,100	121,857,345	8.48	0
02/13/23 20:00	18,300	123,203,835	8.55	0
02/13/23 20:15	18,200	122,530,590	8.60	0
02/13/23 20:30	18,200	122,530,590	8.66	0
02/13/23 20:45	18,200	122,530,590	8.70	0
02/13/23 21:00	18,200	122,530,590	8.76	0
02/13/23 21:15	18,200	122,530,590	8.82	0
02/13/23 21:30	18,200	122,530,590	8.86	0
02/13/23 21:45	18,300	123,203,835	8.92	0
02/13/23 22:00	18,200	122,530,590	8.96	0
02/13/23 22:15	18,200	122,530,590	9.00	0
02/13/23 22:30	18,200	122,530,590	9.04	0
02/13/23 22:45	18,200	122,530,590	9.08	0
02/13/23 23:00	18,300	123,203,835	9.15	0
02/13/23 23:15	18,300	123,203,835	9.19	0
02/13/23 23:30	18,300	123,203,835	9.23	0
02/13/23 23:45	18,100	121,857,345	9.24	0
02/14/23 0:00	18,300	123,203,835	9.30	0
02/14/23 0:15	18,100	121,857,345	9.32	0
02/14/23 0:30	18,300	123,203,835	9.37	0
02/14/23 0:45	18,200	122,530,590	9.39	0
02/14/23 1:00	18,200	122,530,590	9.42	0
02/14/23 1:15	18,200	122,530,590	9.45	0
02/14/23 1:30	18,100	121,857,345	9.48	0
02/14/23 1:45	18,200	122,530,590	9.52	0
02/14/23 2:00	18,100	121,857,345	9.54	0
02/14/23 2:15	18,200	122,530,590	9.58	0
02/14/23 2:30	18,100	121,857,345	9.59	0
02/14/23 2:45	18,300	123,203,835	9.64	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]
02/14/23 3:00	18,200	122,530,590	9.66	0
02/14/23 3:15	18,200	122,530,590	9.68	0
02/14/23 3:30	18,000	121,184,100	9.68	0
02/14/23 3:45	18,100	121,857,345	9.72	0
02/14/23 4:00	18,200	122,530,590	9.75	0
02/14/23 4:15	18,100	121,857,345	9.76	0
02/14/23 4:30	18,100	121,857,345	9.79	0
02/14/23 4:45	18,100	121,857,345	9.81	0
02/14/23 5:00	18,200	122,530,590	9.83	0
02/14/23 5:15	18,100	121,857,345	9.84	0
02/14/23 5:30	18,100	121,857,345	9.87	0
02/14/23 5:45	18,200	122,530,590	9.90	0
02/14/23 6:00	18,100	121,857,345	9.91	0
02/14/23 6:15	18,100	121,857,345	9.93	0
02/14/23 6:30	18,100	121,857,345	9.94	0
02/14/23 6:45	18,200	122,530,590	9.97	0
02/14/23 7:00	18,200	122,530,590	9.98	0
02/14/23 7:15	18,200	122,530,590	10.00	0
02/14/23 7:30	18,200	122,530,590	10.02	0
02/14/23 7:45	18,200	122,530,590	10.03	0
02/14/23 8:00	18,200	122,530,590	10.04	0
02/14/23 8:15	18,200	122,530,590	10.05	0
02/14/23 8:30	18,200	122,530,590	10.07	0
02/14/23 8:45	18,200	122,530,590	10.08	0
02/14/23 9:00	18,200	122,530,590	10.09	0
02/14/23 9:15	18,200	122,530,590	10.11	0
02/14/23 9:30	18,100	121,857,345	10.12	0
02/14/23 9:45	18,200	122,530,590	10.14	0
02/14/23 10:00	18,100	121,857,345	10.13	0
02/14/23 10:15	18,100	121,857,345	10.14	0
02/14/23 10:30	18,200	122,530,590	10.17	0
02/14/23 10:45	18,200	122,530,590	10.17	0
02/14/23 11:00	18,100	121,857,345	10.17	0
02/14/23 11:15	18,100	121,857,345	10.18	0
02/14/23 11:30	18,100	121,857,345	10.19	0
02/14/23 11:45	18,100	121,857,345	10.20	0
02/14/23 12:00	18,200	122,530,590	10.21	0
02/14/23 12:15	18,100	121,857,345	10.22	0
02/14/23 12:30	18,100	121,857,345	10.23	0
02/14/23 12:45	18,100	121,857,345	10.23	0
02/14/23 13:00	18,200	122,530,590	10.25	0
02/14/23 13:15	18,200	122,530,590	10.26	0
02/14/23 13:30	18,200	122,530,590	10.26	0
02/14/23 13:45	18,200	122,530,590	10.27	0
02/14/23 14:00	18,100	121,857,345	10.27	0
02/14/23 14:15	18,200	122,530,590	10.28	0
02/14/23 14:30	18,100	121,857,345	10.28	0
02/14/23 14:45	18,200	122,530,590	10.30	0
02/14/23 15:00	18,200	122,530,590	10.30	0
02/14/23 15:15	18,200	122,530,590	10.30	0
02/14/23 15:30	18,200	122,530,590	10.30	0
02/14/23 15:45	18,100	121,857,345	10.30	0
02/14/23 16:00	18,100	121,857,345	10.30	0
02/14/23 16:15	18,100	121,857,345	10.30	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]
02/14/23 16:30	18,100	121,857,345	10.31	0
02/14/23 16:45	18,100	121,857,345	10.30	0
02/14/23 17:00	18,100	121,857,345	10.31	0
02/14/23 17:15	18,100	121,857,345	10.32	0
02/14/23 17:30	18,000	121,184,100	10.30	0
02/14/23 17:45	18,000	121,184,100	10.30	0
02/14/23 18:00	18,000	121,184,100	10.30	0
02/14/23 18:15	18,000	121,184,100	10.29	0
02/14/23 18:30	18,100	121,857,345	10.31	0
02/14/23 18:45	18,000	121,184,100	10.30	0
02/14/23 19:00	17,900	120,510,855	10.28	0
02/14/23 19:15	18,000	121,184,100	10.29	0
02/14/23 19:30	18,000	121,184,100	10.29	0
02/14/23 19:45	17,900	120,510,855	10.27	0
02/14/23 20:00	17,900	120,510,855	10.28	0
02/14/23 20:15	17,900	120,510,855	10.27	0
02/14/23 20:30	17,900	120,510,855	10.26	0
02/14/23 20:45	17,900	120,510,855	10.27	0
02/14/23 21:00	17,800	119,837,610	10.24	0
02/14/23 21:15	17,800	119,837,610	10.24	0
02/14/23 21:30	17,700	119,164,365	10.22	0
02/14/23 21:45	17,700	119,164,365	10.21	0
02/14/23 22:00	17,700	119,164,365	10.21	0
02/14/23 22:15	17,700	119,164,365	10.20	0
02/14/23 22:30	17,600	118,491,120	10.18	0
02/14/23 22:45	17,600	118,491,120	10.17	0
02/14/23 23:00	17,600	118,491,120	10.17	0
02/14/23 23:15	17,600	118,491,120	10.15	0
02/14/23 23:30	17,500	117,817,875	10.13	0
02/14/23 23:45	17,500	117,817,875	10.12	0
02/21/23 0:00	8,060	54,263,547	4.69	0
02/21/23 0:15	8,060	54,263,547	4.69	0
02/21/23 0:30	8,060	54,263,547	4.69	0
02/21/23 0:45	8,060	54,263,547	4.69	0
02/21/23 1:00	8,090	54,465,521	4.70	0
02/21/23 1:15	8,060	54,263,547	4.69	0
02/21/23 1:30	8,060	54,263,547	4.69	0
02/21/23 1:45	8,060	54,263,547	4.69	0
02/21/23 2:00	8,060	54,263,547	4.69	0
02/21/23 2:15	8,060	54,263,547	4.69	0
02/21/23 2:30	8,030	54,061,574	4.68	0
02/21/23 2:45	8,030	54,061,573	4.68	0
02/21/23 3:00	8,030	54,061,573	4.68	0
02/21/23 3:15	8,030	54,061,574	4.68	0
02/21/23 3:30	8,030	54,061,573	4.68	0
02/21/23 3:45	8,030	54,061,573	4.68	0
02/21/23 4:00	8,030	54,061,574	4.68	0
02/21/23 4:15	8,000	53,859,600	4.67	0
02/21/23 4:30	8,000	53,859,600	4.67	0
02/21/23 4:45	8,000	53,859,600	4.67	0
02/21/23 5:00	8,000	53,859,600	4.67	0
02/21/23 5:15	8,000	53,859,600	4.67	0
02/21/23 5:30	7,970	53,657,627	4.66	0
02/21/23 5:45	7,970	53,657,626	4.66	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]
02/21/23 6:00	7,970	53,657,626	4.66	0
02/21/23 6:15	7,970	53,657,627	4.66	0
02/21/23 6:30	7,970	53,657,626	4.66	0
02/21/23 6:45	7,970	53,657,626	4.66	0
02/21/23 7:00	7,970	53,657,627	4.66	0
02/21/23 7:15	7,940	53,455,653	4.65	0
02/21/23 7:30	7,970	53,657,626	4.66	0
02/21/23 7:45	7,970	53,657,627	4.66	0
02/21/23 8:00	7,940	53,455,653	4.65	0
02/21/23 8:15	7,940	53,455,653	4.65	0
02/21/23 8:30	7,940	53,455,653	4.65	0
02/21/23 8:45	7,940	53,455,653	4.65	0
02/21/23 9:00	7,940	53,455,653	4.65	0
02/21/23 9:15	7,910	53,253,680	4.64	0
02/21/23 9:30	7,910	53,253,679	4.64	0
02/21/23 9:45	7,910	53,253,679	4.64	0
02/21/23 10:00	7,910	53,253,680	4.64	0
02/21/23 10:15	7,940	53,455,653	4.65	0
02/21/23 10:30	7,910	53,253,679	4.64	0
02/21/23 10:45	7,910	53,253,680	4.64	0
02/21/23 11:00	7,910	53,253,679	4.64	0
02/21/23 11:15	7,880	53,051,706	4.63	0
02/21/23 11:30	7,910	53,253,680	4.64	0
02/21/23 11:45	7,880	53,051,706	4.63	0
02/21/23 12:00	7,880	53,051,706	4.63	0
02/21/23 12:15	7,880	53,051,706	4.63	0
02/21/23 12:30	7,880	53,051,706	4.63	0
02/21/23 12:45	7,880	53,051,706	4.63	0
02/21/23 13:00	7,880	53,051,706	4.63	0
02/21/23 13:15	7,880	53,051,706	4.63	0
02/21/23 13:30	7,880	53,051,706	4.63	0
02/21/23 13:45	7,850	52,849,733	4.62	0
02/21/23 14:00	7,880	53,051,706	4.63	0
02/21/23 14:15	7,850	52,849,732	4.62	0
02/21/23 14:30	7,820	52,647,759	4.61	0
02/21/23 14:45	7,850	52,849,732	4.62	0
02/21/23 15:00	7,850	52,849,732	4.62	0
02/21/23 15:15	7,850	52,849,733	4.62	0
02/21/23 15:30	7,850	52,849,732	4.62	0
02/21/23 15:45	7,820	52,647,759	4.61	0
02/21/23 16:00	7,850	52,849,733	4.62	0
02/21/23 16:15	7,850	52,849,732	4.62	0
02/21/23 16:30	7,850	52,849,732	4.62	0
02/21/23 16:45	7,820	52,647,759	4.61	0
02/21/23 17:00	7,820	52,647,759	4.61	0
02/21/23 17:15	7,820	52,647,759	4.61	0
02/21/23 17:30	7,820	52,647,759	4.61	0
02/21/23 17:45	7,820	52,647,759	4.61	0
02/21/23 18:00	7,790	52,445,785	4.60	0
02/21/23 18:15	7,790	52,445,786	4.60	0
02/21/23 18:30	7,790	52,445,785	4.60	0
02/21/23 18:45	7,790	52,445,785	4.60	0
02/21/23 19:00	7,790	52,445,786	4.60	0
02/21/23 19:15	7,790	52,445,785	4.60	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]
02/21/23 19:30	7,790	52,445,785	4.60	0
02/21/23 19:45	7,790	52,445,786	4.60	0
02/21/23 20:00	7,760	52,243,812	4.59	0
02/21/23 20:15	7,760	52,243,812	4.59	0
02/21/23 20:30	7,790	52,445,786	4.60	0
02/21/23 20:45	7,760	52,243,812	4.59	0
02/21/23 21:00	7,760	52,243,812	4.59	0
02/21/23 21:15	7,760	52,243,812	4.59	0
02/21/23 21:30	7,760	52,243,812	4.59	0
02/21/23 21:45	7,730	52,041,838	4.58	0
02/21/23 22:00	7,730	52,041,839	4.58	0
02/21/23 22:15	7,730	52,041,838	4.58	0
02/21/23 22:30	7,730	52,041,838	4.58	0
02/21/23 22:45	7,730	52,041,839	4.58	0
02/21/23 23:00	7,730	52,041,838	4.58	0
02/21/23 23:15	7,700	51,839,865	4.57	0
02/21/23 23:30	7,700	51,839,865	4.57	0
02/21/23 23:45	7,700	51,839,865	4.57	0
02/22/23 0:00	7,700	51,839,865	4.57	0
02/22/23 0:15	7,680	51,705,216	4.56	0
02/22/23 0:30	7,680	51,705,216	4.56	0
02/22/23 0:45	7,650	51,503,242	4.55	0
02/22/23 1:00	7,650	51,503,243	4.55	0
02/22/23 1:15	7,650	51,503,242	4.55	0
02/22/23 1:30	7,590	51,099,295	4.53	0
02/22/23 1:45	7,560	50,897,322	4.52	0
02/22/23 2:00	7,560	50,897,322	4.52	0
02/22/23 2:15	7,560	50,897,322	4.52	0
02/22/23 2:30	7,500	50,493,375	4.50	0
02/22/23 2:45	7,500	50,493,375	4.50	0
02/22/23 3:00	7,470	50,291,401	4.49	0
02/22/23 3:15	7,420	49,954,779	4.47	0
02/22/23 3:30	7,420	49,954,779	4.47	0
02/22/23 3:45	7,390	49,752,805	4.46	0
02/22/23 4:00	7,330	49,348,859	4.44	0
02/22/23 4:15	7,300	49,146,885	4.43	0
02/22/23 4:30	7,270	48,944,911	4.42	0
02/22/23 4:45	7,240	48,742,938	4.41	0
02/22/23 5:00	7,190	48,406,315	4.39	0
02/22/23 5:15	7,160	48,204,342	4.38	0
02/22/23 5:30	7,100	47,800,395	4.36	0
02/22/23 5:45	7,080	47,665,746	4.35	0
02/22/23 6:00	7,050	47,463,772	4.34	0
02/22/23 6:15	6,990	47,059,826	4.32	0
02/22/23 6:30	6,940	46,723,203	4.30	0
02/22/23 6:45	6,880	46,319,256	4.28	0
02/22/23 7:00	6,850	46,117,283	4.27	0
02/22/23 7:15	6,830	45,982,633	4.26	0
02/22/23 7:30	6,770	45,578,686	4.24	0
02/22/23 7:45	6,740	45,376,713	4.23	0
02/22/23 8:00	6,650	44,770,792	4.20	0
02/22/23 8:15	6,590	44,366,845	4.18	0
02/22/23 8:30	6,560	44,164,872	4.17	0
02/22/23 8:45	6,510	43,828,249	4.15	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]
02/22/23 9:00	6,480	43,626,276	4.14	0
02/22/23 9:15	6,390	43,020,356	4.11	0
02/22/23 9:30	6,360	42,818,382	4.10	0
02/22/23 9:45	6,300	42,414,435	4.08	0
02/22/23 10:00	6,250	42,077,813	4.06	0
02/22/23 10:15	6,220	41,875,839	4.05	0
02/22/23 10:30	6,160	41,471,892	4.03	0
02/22/23 10:45	6,100	41,067,945	4.01	0
02/22/23 11:00	6,050	40,731,322	3.99	0
02/22/23 11:15	6,020	40,529,349	3.98	0
02/22/23 11:30	5,940	39,990,753	3.95	0
02/22/23 11:45	5,880	39,586,806	3.93	0
02/22/23 12:00	5,830	39,250,183	3.91	0
02/22/23 12:15	5,770	38,846,237	3.89	0
02/22/23 12:30	5,720	38,509,614	3.87	0
02/22/23 12:45	5,690	38,307,640	3.86	0
02/22/23 13:00	5,640	37,971,018	3.84	0
02/22/23 13:15	5,610	37,769,044	3.83	0
02/22/23 13:30	5,560	37,432,422	3.81	0
02/22/23 13:45	5,530	37,230,449	3.80	0
02/22/23 14:00	5,500	37,028,475	3.79	0
02/22/23 14:15	5,420	36,489,879	3.76	0
02/22/23 14:30	5,400	36,355,230	3.75	0
02/22/23 14:45	5,370	36,153,256	3.74	0
02/22/23 15:00	5,350	36,018,607	3.73	0
02/22/23 15:15	5,290	35,614,661	3.71	0
02/22/23 15:30	5,270	35,480,011	3.70	0
02/22/23 15:45	5,220	35,143,389	3.68	0
02/22/23 16:00	5,190	34,941,416	3.67	0
02/22/23 16:15	5,170	34,806,766	3.66	0
02/22/23 16:30	5,110	34,402,819	3.64	0
02/22/23 16:45	5,060	34,066,197	3.62	0
02/22/23 17:00	5,040	33,931,548	3.61	0
02/22/23 17:15	5,010	33,729,574	3.60	0
02/22/23 17:30	4,990	33,594,926	3.59	0
02/22/23 17:45	4,990	33,594,925	3.59	0
02/22/23 18:00	4,960	33,392,952	3.58	0
02/22/23 18:15	4,940	33,258,303	3.57	0
02/22/23 18:30	4,910	33,056,329	3.56	0
02/22/23 18:45	4,860	32,719,707	3.54	0
02/22/23 19:00	4,840	32,585,058	3.53	0
02/22/23 19:15	4,810	32,383,084	3.52	0
02/22/23 19:30	4,810	32,383,084	3.52	0
02/22/23 19:45	4,790	32,248,436	3.51	0
02/22/23 20:00	4,770	32,113,786	3.50	0
02/22/23 20:15	4,720	31,777,164	3.48	0
02/22/23 20:30	4,690	31,575,191	3.47	0
02/22/23 20:45	4,670	31,440,541	3.46	0
02/22/23 21:00	4,640	31,238,568	3.45	0
02/22/23 21:15	4,640	31,238,568	3.45	0
02/22/23 21:30	4,600	30,969,270	3.43	0
02/22/23 21:45	4,600	30,969,270	3.43	0
02/22/23 22:00	4,570	30,767,297	3.42	0
02/22/23 22:15	4,550	30,632,647	3.41	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]
02/22/23 22:30	4,550	30,632,647	3.41	0
02/22/23 22:45	4,500	30,296,025	3.39	0
02/22/23 23:00	4,500	30,296,025	3.39	0
02/22/23 23:15	4,480	30,161,376	3.38	0
02/22/23 23:30	4,450	29,959,403	3.37	0
02/22/23 23:45	4,430	29,824,753	3.36	0
02/23/23 0:00	4,410	29,690,104	3.35	0
02/23/23 0:15	4,410	29,690,105	3.35	0
02/23/23 0:30	4,410	29,690,104	3.35	0
02/23/23 0:45	4,360	29,353,482	3.33	0
02/23/23 1:00	4,360	29,353,482	3.33	0
02/23/23 1:15	4,340	29,218,833	3.32	0
02/23/23 1:30	4,340	29,218,833	3.32	0
02/23/23 1:45	4,340	29,218,833	3.32	0
02/23/23 2:00	4,310	29,016,859	3.31	0
02/23/23 2:15	4,290	28,882,210	3.30	0
02/23/23 2:30	4,250	28,612,913	3.28	0
02/23/23 2:45	4,270	28,747,561	3.29	0
02/23/23 3:00	4,250	28,612,912	3.28	0
02/23/23 3:15	4,220	28,410,939	3.27	0
02/23/23 3:30	4,200	28,276,290	3.26	0
02/23/23 3:45	4,180	28,141,641	3.25	0
02/23/23 4:00	4,180	28,141,641	3.25	0
02/23/23 4:15	4,180	28,141,641	3.25	0
02/23/23 4:30	4,180	28,141,641	3.25	0
02/23/23 4:45	4,150	27,939,668	3.24	0
02/23/23 5:00	4,150	27,939,667	3.24	0
02/23/23 5:15	4,130	27,805,018	3.23	0
02/23/23 5:30	4,150	27,939,668	3.24	0
02/23/23 5:45	4,130	27,805,018	3.23	0
02/23/23 6:00	4,130	27,805,018	3.23	0
02/23/23 6:15	4,110	27,670,370	3.22	0
02/23/23 6:30	4,090	27,535,720	3.21	0
02/23/23 6:45	4,110	27,670,369	3.22	0
02/23/23 7:00	4,110	27,670,370	3.22	0
02/23/23 7:15	4,090	27,535,720	3.21	0
02/23/23 7:30	4,090	27,535,720	3.21	0
02/23/23 7:45	4,060	27,333,747	3.20	0
02/23/23 8:00	4,060	27,333,747	3.20	0
02/23/23 8:15	4,040	27,199,098	3.19	0
02/23/23 8:30	4,040	27,199,098	3.19	0
02/23/23 8:45	4,020	27,064,449	3.18	0
02/23/23 9:00	4,020	27,064,449	3.18	0
02/23/23 9:15	3,930	26,458,529	3.14	0
02/23/23 9:30	4,020	27,064,449	3.18	0
02/23/23 9:45	3,980	26,795,151	3.16	0
02/23/23 10:00	3,980	26,795,151	3.16	0
02/23/23 10:15	4,000	26,929,800	3.17	0
02/23/23 10:30	3,950	26,593,177	3.15	0
02/23/23 10:45	3,980	26,795,151	3.16	0
02/23/23 11:00	3,910	26,323,879	3.13	0
02/23/23 11:15	3,980	26,795,151	3.16	0
02/23/23 11:30	3,950	26,593,178	3.15	0
02/23/23 11:45	3,950	26,593,177	3.15	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]
02/23/23 12:00	3,950	26,593,177	3.15	0
02/23/23 12:15	3,950	26,593,178	3.15	0
02/23/23 12:30	3,950	26,593,177	3.15	0
02/23/23 12:45	3,950	26,593,177	3.15	0
02/23/23 13:00	3,950	26,593,178	3.15	0
02/23/23 13:15	3,930	26,458,528	3.14	0
02/23/23 13:30	3,910	26,323,879	3.13	0
02/23/23 13:45	3,930	26,458,529	3.14	0
02/23/23 14:00	3,910	26,323,879	3.13	0
02/23/23 14:15	3,930	26,458,528	3.14	0
02/23/23 14:30	3,930	26,458,529	3.14	0
02/23/23 14:45	3,930	26,458,528	3.14	0
02/23/23 15:00	3,930	26,458,528	3.14	0
02/23/23 15:15	3,910	26,323,880	3.13	0
02/23/23 15:30	3,910	26,323,879	3.13	0
02/23/23 15:45	3,910	26,323,879	3.13	0
02/23/23 16:00	3,890	26,189,231	3.12	0
02/23/23 16:15	3,910	26,323,879	3.13	0
02/23/23 16:30	3,910	26,323,879	3.13	0
02/23/23 16:45	3,910	26,323,880	3.13	0
02/23/23 17:00	3,890	26,189,230	3.12	0
02/23/23 17:15	3,890	26,189,230	3.12	0
02/23/23 17:30	3,890	26,189,231	3.12	0
02/23/23 17:45	3,890	26,189,230	3.12	0
02/23/23 18:00	3,890	26,189,230	3.12	0
02/23/23 18:15	3,870	26,054,582	3.11	0
02/23/23 18:30	3,870	26,054,581	3.11	0
02/23/23 18:45	3,870	26,054,581	3.11	0
02/23/23 19:00	3,890	26,189,231	3.12	0
02/23/23 19:15	3,870	26,054,581	3.11	0
02/23/23 19:30	3,870	26,054,581	3.11	0
02/23/23 19:45	3,870	26,054,582	3.11	0
02/23/23 20:00	3,870	26,054,581	3.11	0
02/23/23 20:15	3,850	25,919,932	3.10	0
02/23/23 20:30	3,850	25,919,933	3.10	0
02/23/23 20:45	3,850	25,919,932	3.10	0
02/23/23 21:00	3,820	25,717,959	3.09	0
02/23/23 21:15	3,850	25,919,933	3.10	0
02/23/23 21:30	3,850	25,919,932	3.10	0
02/23/23 21:45	3,850	25,919,932	3.10	0
02/23/23 22:00	3,850	25,919,933	3.10	0
02/23/23 22:15	3,820	25,717,959	3.09	0
02/23/23 22:30	3,820	25,717,959	3.09	0
02/23/23 22:45	3,800	25,583,310	3.08	0
02/23/23 23:00	3,800	25,583,310	3.08	0
02/23/23 23:15	3,800	25,583,310	3.08	0
02/23/23 23:30	3,800	25,583,310	3.08	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]
02/23/23 23:45	3,800	25,583,310	3.08	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)
02/24/23	12:00:00 AM	4,710	900	31,709,839
02/24/23	12:15:00 AM	4,740	900	31,911,813
02/24/23	12:30:00 AM	4,660	900	31,373,217
02/24/23	12:45:00 AM	4,710	900	31,709,839
02/24/23	1:00:00 AM	4,660	900	31,373,217
02/24/23	1:15:00 AM	4,660	900	31,373,217
02/24/23	1:30:00 AM	4,660	900	31,373,217
02/24/23	1:45:00 AM	4,680	900	31,507,866
02/24/23	2:00:00 AM	4,660	900	31,373,217
02/24/23	2:15:00 AM	4,630	900	31,171,243
02/24/23	2:30:00 AM	4,660	900	31,373,217
02/24/23	2:45:00 AM	4,580	900	30,834,621
02/24/23	3:00:00 AM	4,580	900	30,834,621
02/24/23	3:15:00 AM	4,580	900	30,834,621
02/24/23	3:30:00 AM	4,550	900	30,632,647
02/24/23	3:45:00 AM	4,550	900	30,632,647
02/24/23	4:00:00 AM	4,530	900	30,497,999
02/24/23	4:15:00 AM	4,480	900	30,161,376
02/24/23	4:30:00 AM	4,500	900	30,296,025
02/24/23	4:45:00 AM	4,500	900	30,296,025
02/24/23	5:00:00 AM	4,530	900	30,497,998
02/24/23	5:15:00 AM	4,480	900	30,161,376
02/24/23	5:30:00 AM	4,450	900	29,959,403
02/24/23	5:45:00 AM	4,480	900	30,161,376
02/24/23	6:00:00 AM	4,430	900	29,824,753
02/24/23	6:15:00 AM	4,500	900	30,296,025
02/24/23	6:30:00 AM	4,400	900	29,622,780
02/24/23	6:45:00 AM	4,430	900	29,824,753
02/24/23	7:00:00 AM	4,400	900	29,622,780
02/24/23	7:15:00 AM	4,430	900	29,824,753
02/24/23	7:30:00 AM	4,400	900	29,622,780
02/24/23	7:45:00 AM	4,480	900	30,161,376
02/24/23	8:00:00 AM	4,430	900	29,824,753
02/24/23	8:15:00 AM	4,450	900	29,959,402
02/24/23	8:30:00 AM	4,430	900	29,824,754
02/24/23	8:45:00 AM	4,330	900	29,151,508
02/24/23	9:00:00 AM	4,430	900	29,824,753
02/24/23	9:15:00 AM	4,380	900	29,488,131
02/24/23	9:30:00 AM	4,350	900	29,286,157
02/24/23	9:45:00 AM	4,350	900	29,286,157
02/24/23	10:00:00 AM	4,350	900	29,286,158
02/24/23	10:15:00 AM	4,380	900	29,488,131
02/24/23	10:30:00 AM	4,300	900	28,949,535
02/24/23	10:45:00 AM	4,350	900	29,286,158
02/24/23	11:00:00 AM	4,300	900	28,949,535
02/24/23	11:15:00 AM	4,300	900	28,949,535
02/24/23	11:30:00 AM	4,300	900	28,949,535
02/24/23	11:45:00 AM	4,350	900	29,286,157
02/24/23	12:00:00 PM	4,350	900	29,286,157
02/24/23	12:15:00 PM	4,330	900	29,151,509
02/24/23	12:30:00 PM	4,330	900	29,151,508
02/24/23	12:45:00 PM	4,330	900	29,151,508
02/24/23	1:00:00 PM	4,300	900	28,949,535
02/24/23	1:15:00 PM	4,280	900	28,814,886
02/24/23	1:30:00 PM	4,300	900	28,949,535
02/24/23	1:45:00 PM	4,300	900	28,949,535
02/24/23	2:00:00 PM	4,280	900	28,814,886
02/24/23	2:15:00 PM	4,300	900	28,949,535
02/24/23	2:30:00 PM	4,280	900	28,814,886
02/24/23	2:45:00 PM	4,300	900	28,949,535
02/24/23	3:00:00 PM	4,250	900	28,612,912

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

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
02/24/23	3:15:00 PM	4,230	900	28,478,264
02/24/23	3:30:00 PM	4,230	900	28,478,263
02/24/23	3:45:00 PM	4,230	900	28,478,263
02/24/23	4:00:00 PM	4,230	900	28,478,264
02/24/23	4:15:00 PM	4,200	900	28,276,290
02/24/23	4:30:00 PM	4,200	900	28,276,290
02/24/23	4:45:00 PM	4,200	900	28,276,290
02/24/23	5:00:00 PM	4,200	900	28,276,290
02/24/23	5:15:00 PM	4,180	900	28,141,641
02/24/23	5:30:00 PM	4,180	900	28,141,641
02/24/23	5:45:00 PM	4,150	900	27,939,667
02/24/23	6:00:00 PM	4,150	900	27,939,667
02/24/23	6:15:00 PM	4,130	900	27,805,019
02/24/23	6:30:00 PM	4,150	900	27,939,667
02/24/23	6:45:00 PM	4,130	900	27,805,018
02/24/23	7:00:00 PM	4,130	900	27,805,019
02/24/23	7:15:00 PM	4,130	900	27,805,018
02/24/23	7:30:00 PM	4,130	900	27,805,018
02/24/23	7:45:00 PM	4,100	900	27,603,045
02/24/23	8:00:00 PM	4,100	900	27,603,045
02/24/23	8:15:00 PM	4,080	900	27,468,396
02/24/23	8:30:00 PM	4,080	900	27,468,396
02/24/23	8:45:00 PM	4,080	900	27,468,396
02/24/23	9:00:00 PM	4,080	900	27,468,396
02/24/23	9:15:00 PM	4,060	900	27,333,747
02/24/23	9:30:00 PM	4,060	900	27,333,747
02/24/23	9:45:00 PM	4,030	900	27,131,773
02/24/23	10:00:00 PM	4,030	900	27,131,774
02/24/23	10:15:00 PM	4,060	900	27,333,747
02/24/23	10:30:00 PM	4,030	900	27,131,773
02/24/23	10:45:00 PM	4,030	900	27,131,774
02/24/23	11:00:00 PM	4,030	900	27,131,773
02/24/23	11:15:00 PM	4,010	900	26,997,124
02/24/23	11:30:00 PM	4,030	900	27,131,774
02/24/23	11:45:00 PM	4,010	900	26,997,125

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[1,2]	Bladen Bluff[2]	Kings Bluff[2]
Flow (MG)	--	--	--
Instantaneous Flow (ft^3/sec)	6,390	6,390	4,300
Program	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23	CAP SW Sampling 1Q23
Location ID	CFR-TARHEEL	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP1Q23-CFR-TARHEEL-022223	CAP1Q23-CFR-BLADEN-022223	CAP1Q23-CFR-KINGS-022423
Sample Date and Time[1]	2/22/2023	2/22/2023	2/24/2023
Sample Delivery Group (SDG)	320-97412-1	320-97412-1	320-97412-1
Lab Sample ID	320-97412-1	320-97412-2	320-97412-3
Sample Type	Grab	Grab	Grab
Table 3+ Lab SOP Mass Discharge[3] (mg/s)			
HFPO-DA	**0.38**	**0.54**	**0.30**
PFMOAA	ND	ND	ND
PFO2HxA	**0.40**	**0.36**	**0.37**
PFO3OA	ND	ND	ND
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	ND	ND	ND
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	ND	ND	ND
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[4,5]	**0.78**	**0.90**	**0.67**
Total Table 3+ Mass Discharge (17 compounds)[4,6]	**0.78**	**0.90**	**0.67**
Total Table 3+ Mass Discharge (20 Compounds)[4]	**0.78**	**0.90**	**0.67**

Notes:
1 - A paired composite sample was not collected at Tar Heel Ferry Road Bridge on February 22, 2023.
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

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	TAYLOR CRITTENDEN|SOPHIA HAYES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-04-2023	Time:	10:32	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-24-010223	01-02-2023 23:01		01-04-2023	10:33	7.68	6.56	90.80	27.97	2113.10	20.45	yellow tint	no	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-02-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	01-02-2023 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)

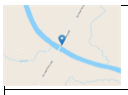
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	70.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	13

Latitude:	34.7449405817639
Longitude:	-78.7852154766012
Staff Gauge Water Level Reading (ft):	3
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\KEN STUART\	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-06-2023	Time:	11:13	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-24-010523	01-05-2023 23:01		01-06-2023	11:16	8.53	10.56	36.10	29.80	469.77	16.01	Clear	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-05-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	01-05-2023 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)

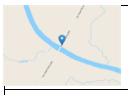
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	56.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.7450034
Longitude:	-78.7852153
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	-



GPS Location (if collected)

River conditions

Calibration of isco

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-10-2023	Time:	06:36	General Comments:	Hand held hash turb meter

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-24-010923	01-09-2023 23:01		01-10-2023	07:17	8.24	11.45	42.30	34.90	267.26	4.83	Clear	None	DUP|MS|MSD	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-09-2023 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	01-09-2023 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)

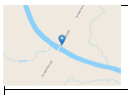
ALL PARAMETERS ANALYZED

Table 3+ (21)(HL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	31.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude:	34.7449389
Longitude:	-78.7851552
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

Set up after separating qaqc isco

Door closed

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KAYTLYN MARINGER|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-13-2023	Time:	10:57	General Comments:	Collect samples, check programming, replace head tubing, calibrated flow

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-24-011223	01-12-2023 23:01		01-13-2023	11:18	8.53	10.48	21.50	21.30	185.39	15.72	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-12-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	01-12-2023 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)

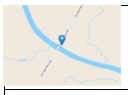
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	57.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	15

Latitude:	34.7448822859227
Longitude:	-78.7850002111759
Staff Gauge Water Level Reading (ft):	2.9
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:	BEN KRAUSE|BRANDON WEIDNER|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-17-2023	Time:	13:00	General Comments:	ISCO malfunction from Friday through Tuesday. All samples lost. Replaced ISCO and programmed to start at 00:01 1/18/23

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-011823	01-17-2023	13:10	01-17-2023	13:13	9.42	10.04	-37.50	23.40	211.16	10.41	Cloudy	None	--	1-17-2023 Sample was a grab sample due to ISCO malfunction.

Sampling Data

Sampling Method:	Bailer	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)

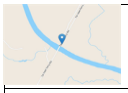
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	58.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	10

Latitude:	34.7450664372606
Longitude:	-78.7850750787129
Staff Gauge Water Level Reading (ft):	4.5
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\KEN STUART\	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-20-2023	Time:	10:58	General Comments:	Replaced DEQ ISCO with full size ISCO, collected samples from 1-18-23 (15/24 samples) and 1-19-23 no errors

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-011923	01-19-2023 23:01		01-20-2023	11:07	7.33	9.40	59.20	25.30	160.00	16.84	Clear	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-19-2023 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	01-19-2023 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)

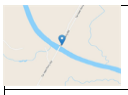
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	60.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	13

Latitude:	34.744952092786
Longitude:	-78.7851174982184
Staff Gauge Water Level Reading (ft):	2.9
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

Staff gauge

Isco set up

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:	01-24-2023	Time:	07:27	General Comments:	ISCO is functional, Collected Samples from 1-23-23,1-22-23,1-21-23,1-20-23

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-24-012323	01-23-2023 23:01		01-24-2023	07:45	8.82	11.15	-17.30	100.00	140.03	4.27	Cloudy	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-23-2023 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	01-23-2023 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)

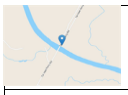
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	29.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.7449435940464
Longitude:	-78.7850969744621
Staff Gauge Water Level Reading (ft):	4.5
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:	KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-27-2023	Time:	09:35	General Comments:	Hach 2100g for turbidity

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-24-012623	01-26-2023 23:01		01-27-2023	09:51	8.29	9.56	32.90	50.90	373.36	13.15	Very lt tan	None	--	CFR-TARHEEL-10-012723@0901, CFR-TARHEEL-24-012623@0L2301,CFR-TARHEEL-24-012623@2301,CFR-TARHEEL-24-012523@2301,CFR-TARHEEL-24-012423@2301. Note isco removed due to rising river

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	01-26-2023 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	01-26-2023 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)

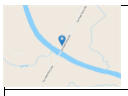
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	43.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude:	34.7455011
Longitude:	-78.785274
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

On arrival

Isco removed for rising river

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	01-31-2023	Time:	12:18	General Comments:	Hach 2100q for turbidity reading

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-013123	01-31-2023	12:30	01-31-2023	12:31	7.76	10.77	126.20	96.20	316.25	12.62	Very lt tan	None	--	Installed isco battery, program to start at 2-1-23 @ 00:01, grab sample through isco at 12:30

Sampling Data

Sampling Method:	Peri Pump Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:		Multi Meter ID:	706682
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)

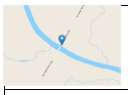
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	60.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	0

Latitude:	34.7449213
Longitude:	-78.7851943
Staff Gauge Water Level Reading (ft):	6.85
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

Isco reinstalled

River height

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:	02-03-2023	Time:	07:55	General Comments:	Hach 2100q turbidity meter used

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-24-020223	02-02-2023 23:01		02-03-2023	08:15	7.67	11.31	60.00	44.00	265.23	11.10	Very lt. Tan	None	--	CFR-TARHEEL-24-020223@2301, CFR-TARHEEL-24-020323@2301, no errors,

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-02-2023 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	02-02-2023 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)

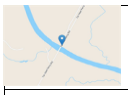
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	45.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	34.7450033
Longitude:	-78.7852389
Staff Gauge Water Level Reading (ft):	6.85
Temperature Reading (degrees C):	--
Rain Reading (mm)	--



GPS Location (if collected)

Initial set up on arrival

River level and isco shed

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|KAYTLYN MARINGER|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	02-08-2023	Time:	08:06	General Comments:	Haha turb meter, collected cfr-tarheel-24-020623, cfr-tarheel-24-020723, bothabout 2/3 full

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-24-020623	02-06-2023 23:01		02-08-2023	08:31	8.73	11.52	7.80	29.40	181.43	11.15	Clear	None	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-06-2023 00:01	Multi Meter ID:	706770
ISCO End Date and Time:	02-06-2023 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)

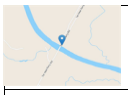
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.7449198
Longitude:	-78.7851884
Staff Gauge Water Level Reading (ft):	3.9
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|KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	02-09-2023	Time:	12:23	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-24-020823	02-08-2023 23:01		02-09-2023	12:40	7.20	10.29	10.30	20.70	172.17	19.45	Clear very lt yellow	None	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-08-2023 00:01	Multi Meter ID:	706770
ISCO End Date and Time:	02-08-2023 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)

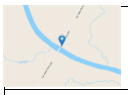
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	66.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	12

Latitude:	34.7449918
Longitude:	-78.7851574
Staff Gauge Water Level Reading (ft):	3.2
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:	BEN KRAUSE|KELLY HAYES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	02-13-2023	Time:	15:30	General Comments:	Tarheel check and collect samples, Team also did CAP Grab sample for Q1 (MS/MSD/DUP collected).

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-24-021223	02-12-2023 23:01		02-14-2023	15:50	7.48	10.26	58.20	58.60	261.19	17.28	cloudy	none		Team collected samples from 2/9, 2/10, 2/11, 2/12, 2/13, (No issues) Sample from 2/13 had 16/24 samples collected before team stopped the program and removed ISCOs due to rising water level

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-12-2023 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	02-12-2023 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):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	--
Longitude:	--
Staff Gauge Water Level Reading (ft):	8.5
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:	KEN STUARTIERIN JANIGA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	02-15-2023	Time:	09:22	General Comments:	Useful hach turbidity meter

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-021523	02-15-2023	09:30	02-15-2023	09:30	7.60	10.52	105.90	158.00	141.26	14.58	Very lt tan with particles	None		Isco removed for flooding on 2/13/23

Sampling Data

Sampling Method:	Bailer	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	706682
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):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.7450002
Longitude:	-78.7852557
Staff Gauge Water Level Reading (ft):	14.85
Temperature Reading (degrees C):	--
Rain Reading (mm)	--

GPS Location (if collected)

Sampling with bailer

Rivet flood stage

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:	02-21-2023	Time:	07:33	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-24-022023	2/20/2023 23:15		02-21-2023	07:45	9.39	9.71	-9.40	94.70	440.13	15.58	Murky	No	DUP|MS|MSD	Collected Sample from 2/20. Also collected QA/QC

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	2/20/2023 0:15	Multi Meter ID:	766679
ISCO End Date and Time:	2/20/2023 23:15		

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):	62.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	10

Latitude:	--
Longitude:	--
Staff Gauge Water Level Reading (ft):	6.75
Temperature Reading (degrees C):	--
Rain Reading (mm)	0

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:	02-24-2023	Time:	09:28	General Comments:	Collected samples from 2/21, 2/22, 2/23. 2/21 had no liquid detected from 00:01 though 08:01. Recalibrate volume on Isco

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-24-022323	02-23-2023 23:01		02-24-2023	09:38	8.32	9.29	20.40	22.40	433.70	19.98	Clear	None	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-23-2023 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	02-23-2023 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):	72.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	16

Latitude:	34.7449482373739
Longitude:	-78.7851892020322
Staff Gauge Water Level Reading (ft):	3.2
Temperature Reading (degrees C):	21
Rain Reading (mm)	0

GPS Location (if collected)

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ELVIS RIVERA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	02-28-2023	Time:	10:05	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-24-022723	02-27-2023 23:01		02-28-2023	10:18	9.26	8.54	-56.70	15.30	422.56	21.20	Clear	No	--	No errors, collected samples from 2/24. 2/25, 2/26, 2/27

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-27-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	02-27-2023 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)

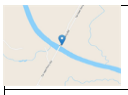
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.7449332261558
Longitude:	-78.7851071238647
Staff Gauge Water Level Reading (ft):	2.5
Temperature Reading (degrees C):	92
Rain Reading (mm)	1



GPS Location (if collected)

Staff gauge

Tarheel ISCO SET UP

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|Elvis Rivera	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-03-2023	Time:	09:10	General Comments:	Collected 2/28, 3/1,3/2 no errors

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-030223	03-02-2023 23:01		03-03-2023	09:16	9.35	8.21	-28.00	16.20	376.09	16.94	Clear	None	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-02-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-02-2023 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)

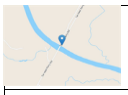
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	61.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.7449154994791
Longitude:	-78.785148726025
Staff Gauge Water Level Reading (ft):	2
Temperature Reading (degrees C):	66
Rain Reading (mm)	1



GPS Location (if collected)

Staff gauge

Tarheel ISCO

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-07-2023	Time:	12:05	General Comments:	No Errors, collected CFR-TARHEEL-24-030323, CFR-TARHEEL-24-030423, CFR-TARHEEL-24-030523, and CFR-TARHEEL-24-030623

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-24-030623	03-06-2023 23:01		03-07-2023	12:18	8.99	8.71	1.60	41.39	503.62	19.43	Murky	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-06-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-06-2023 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):	76.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.7450416952726
Longitude:	-78.7850141186124
Staff Gauge Water Level Reading (ft):	4.5
Temperature Reading (degrees C):	98
Rain Reading (mm)	0

GPS Location (if collected)

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-10-2023	Time:	10:45	General Comments:	Collected CFR-Tarheel-24-030723, CFR-Tarheel-24-030823, CFR-Tarheel-24-030923. No errors

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-030923	03-09-2023 23:01		03-10-2023	10:50	8.71	8.42	23.50	17.30	1388.70	13.26	Cloudy	No		Collected samples from 3/7, 3/8, 3/9. No errors. Will ship out 3/9 samples

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-09-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-09-2023 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)

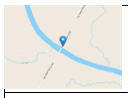
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	54.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

Latitude:	34.744926266488
Longitude:	-78.7851879152109
Staff Gauge Water Level Reading (ft):	2.2
Temperature Reading (degrees C):	50
Rain Reading (mm)	5



GPS Location (if collected)

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	Kenneth Stuart Deborah Ayers	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-15-2023	Time:	09:49	General Comments:	2301 CFR-Tarheel-24-031023, 2301 CFR-Tarheel-24-031123, 2301 CFR-Tarheel-24-031223, 2301 CFR-Tarheel-24-031323. all samples collected and turbidity on hach 2100q

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-24-031323	3/13/2023 23:01		3/15/2023	10:03	8.16	9.56	47.60	24.90	519.07	10.48	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	3/13/2023 0:01	Multi Meter ID:	706682
ISCO End Date and Time:	3/13/2023 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)

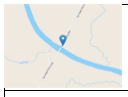
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HPFO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	37.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449964
Longitude:	-78.7851306
Staff Gauge Water Level Reading (ft):	4.3
Temperature Reading (degrees C):	12.5
Rain Reading (mm)	0



GPS Location (if collected)

ISCO setup

Staff Gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-17-2023	Time:	09:10	General Comments:	Collected samples CFR-Tarheel-24-031523 and CFR-Tarheel-24-031623. No errors. Installed DEQ ISCO for split sampling.

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-24-031623	03-16-2023 23:01		03-17-2023	09:40	9.92	10.44	-53.00	15.00	316.59	14.04	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-16-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-16-2023 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:	Partly Cloudy
Precipitation:	None
Wind (mph)	11

Latitude:	34.7451495945447
Longitude:	-78.785169562951
Staff Gauge Water Level Reading (ft):	2.7
Temperature Reading (degrees C):	17
Rain Reading (mm)	0

GPS Location (if collected)

Staff Gauge

DEQ ISCO set up

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-21-2023	Time:	09:15	General Comments:	Collected samples CFR-Tarheel-24-032023, CFR-Tarheel-24-031923, CFR-Tarheel-24-031823, and CFR-Tarheel-24-031723. No errors. Also collected DEQ split-sample time: 032023 at 2315.

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-24-032023	3/20/2023 23:15		03-21-2023	09:35	9.15	11.52	42.80	15.10	235.17	8.46	Clear	No	DUP|MS|MSD	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	3/20/2023 0:15	Multi Meter ID:	766679
ISCO End Date and Time:	3/20/2023 23:15		

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:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.744945497125
Longitude:	-78.7850742558311
Staff Gauge Water Level Reading (ft):	2.25
Temperature Reading (degrees C):	4
Rain Reading (mm)	1

GPS Location (if collected)

Staff gauge

Tarheel ISCO

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-24-2023	Time:	08:48	General Comments:	Collected CFR-Tarheel-24-032123, CFR-Tarheel-24-032223, CFR-Tarheel-24-032323, no errors.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-032323	03-23-2023 23:01		03-24-2023	08:57	9.42	8.15	-36.40	13.70	257.87	16.84	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-23-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-23-2023 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)

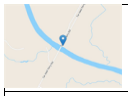
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7448961995867
Longitude:	-78.7851513550419
Staff Gauge Water Level Reading (ft):	2.2
Temperature Reading (degrees C):	20
Rain Reading (mm)	0



GPS Location (if collected)

Staff gauge

Tarheel setup

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-28-2023	Time:	12:15	General Comments:	CFR-Tarheel-24-032423, CFR-Tarheel-24-032523, CFR-Tarheel-24-032623, and CFR-Tarheel-24-032723 - no errors.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-032723	03-27-2023 23:01		03-28-2023	12:20	9.21	7.34	58.40	15.70	625.01	23.29	Clear	No	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-27-2023 00:01	Multi Meter ID:	766679
ISCO End Date and Time:	03-27-2023 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)

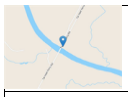
ALL PARAMETERS ANALYZED

Table 3+ (21)(LL) Including HFPO-DA and PFHpA

WEATHER CONDITIONS

Temperature (F):	71.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	34.7449660627495
Longitude:	-78.7850988843281
Staff Gauge Water Level Reading (ft):	2.1
Temperature Reading (degrees C):	30.5
Rain Reading (mm)	32



GPS Location (if collected)

Staff gauge

ISCO setup

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	03-31-2023	Time:	10:15	General Comments:	Collected CFR-TARHEEL-24-032823, CFR-TARHEEL-24-032923, CFR-TARHEEL-24-033023. No errors. Recalibrated volume on ISCO

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-24-033023	03-30-2023 23:01		03-31-2023	10:22	8.35	8.15	147.70	53.30	395.70	18.81	Cloudy	No	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	03-30-2023 00:01	Multi Meter ID:	706720
ISCO End Date and Time:	03-30-2023 23:01		

SAMPLE SET

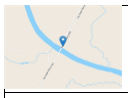
Parameter	Bottle			Pres.	Method
PFAS	2-250 mL poly			NP	537 Mod Including HFPO-DA
PFAS	250 mL poly			NP	Table 3+ (19)(LL)
PFAS	250 mL poly			NP	Table 3+ (20)(LL)
PFAS	250 mL poly			NP	Table 3+ (19)(HL)
PFAS	250 mL poly			NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly			NP	Table 3+ (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):	67.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.744956208837
Longitude:	-78.785185839071
Staff Gauge Water Level Reading (ft):	4.75
Temperature Reading (degrees C):	24
Rain Reading (mm)	4



GPS Location (if collected)

Staff gauge

ISCO Set up

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	ERIN JANIGA|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-22-2023	Time:	11:56	General Comments:	Used hach 2011q for turnidity

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-CFR-BLADEN-022223	02-22-2023 12:05		6.67	9.06	8.60	25.00	404.16	18.96	Murky	None	--	

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10.5	Distance to River Right:	32
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	42
Total Depth to Bottom of Channel (ft):	21	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

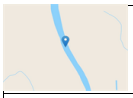
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude: 34.7726882
Longitude: -78.7983051



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	BRANDON ELLIS|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-24-2023	Time:	11:20	General Comments:	Used hach 2011q for turbidity

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-CFR-KINGS-022423	02-24-2023 11:35		8.94	9.21	21.70	22.10	120.55	20.47	clear	none	--	

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8.5	Distance to River Right:	72
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	35
Total Depth to Bottom of Channel (ft):	17.1	Multi Meter ID:	766679	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

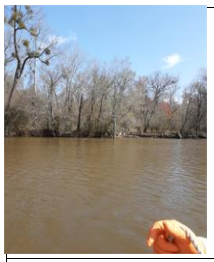
Table 3+ (20)(LL) Including HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

Temperature (F):	76.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.4064174
Longitude:	-78.2943295

GPS Location (if collected)



PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|BEN KRAUSE|	Sampling Event:	CAP1Q23	Event Type:	Sampling
Date:	02-13-2023	Time:	12:40	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-CFR-RM-76-021323	02-13-2023 13:00		8.22	9.89	12.60	51.80	177.92	15.40	Murky	None	--	--

Sampling Data

Sampling Method:	drone grab sample	Multi Meter Used:	Insitu aqua troll	Flow Rate:	--
		Multi Meter ID:	--	Flow Rate Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	58
Sky:	Clear
Precipitation:	None
Wind (mph)	6

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|KELLY HAYES|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	15:30	General Comments:	Grab sample for CAP event due to high river flooding

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-CFR-TARHEEL-021323	2/13/2023 15:40		7.48	10.26	58.20	58.60	261.19	17.28	Murky	No	DUP|MS|MSD	Conducted QA/QC

Sampling Data

Sampling Method: ISCO Pump Grab

Multi Meter Used: Insitu Aqua Troll

Multi Meter ID: 706751

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 include HFPO-DA; 537 MOD (36)

WEATHER CONDITIONS

Temperature (F):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude: --

Longitude: --

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ERIN JANIGA|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-22-2023	Time:	13:08	General Comments:	Turbidity hach2100q used for turbidity reading

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-CFR-TARHEEL-022223	02-22-2023 13:20		8.80	7.48	43.20	32.30	789.61	22.29	Clear	None	--	

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	48
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	32
Total Depth to Bottom of Channel (ft):	20	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

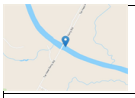
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	81.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude: 34.7444984
Longitude: -78.7851039



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-5	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BRANDON WEIDNER|	Sampling Event:	CAP1Q23	Event Type:	Sampling
Date:	02-13-2023	Time:	15:06	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				
CAP1Q23-GBC-5-021323	2/13/2023 15:30		6.99	9.70	88.70	2.12	195.48	15.27	Clear	None	--	clear, no odor

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu aqua troll	Flow Rate:	--
		Multi Meter ID:	--	Flow Rate Units:	--

SAMPLE SET

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

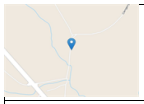
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	63
Sky:	Clear
Precipitation:	None
Wind (mph)	9

Latitude:	34.8161669384412
Longitude:	-78.832479043196



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1B	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BRANDON WEIDNER|	Sampling Event:	CAP1Q23	Event Type:	Sampling
Date:	02-13-2023	Time:	15:40	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-OLDOF-1B-021323	02-13-2023 16:10		7.31	9.83	44.40	2.15	304.02	17.04	Clear	No	--	

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu aqua troll	Flow Rate:	--
		Multi Meter ID:	--	Flow Rate Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

Table 3+ (20)(LL) Including HFPO-DA, 537 MOD (36)

WEATHER CONDITIONS

Temperature (F):	65
Sky:	Clear
Precipitation:	None
Wind (mph)	10

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-14-2023	Time:	13:41	General Comments:	24 hour ISCO did not run, liquid detection fault. Talked with Cathy Crea and was asked to collect grab sample and rerun ISCO

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-OUTFALL-002-021423	2/14/2023	14:00	7.34	0.62	68.60	187.00	2518.20	20.16	Murky	No	--	

Sampling Data

Sampling Method: ISCO Pump Grab

Multi Meter Used: --

Multi Meter ID: --

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):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

Latitude: --

Longitude: --

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-15-2023	Time:	13:42	General Comments:	Hach 2100q turbidity meter used

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-OUTFALL-002-24-021523	02-15-2023 12:50		6.39	10.84	226.70	111.00	89.73	21.39	Clear lt tan	None	--	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-14-2023 13:50	Multi Meter ID:	706682
ISCO End Date and Time:	02-15-2023 12:50	Old Outfall Bypass(Yes/No):	No

SAMPLE SET

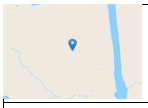
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	18

Latitude:	34.8384679
Longitude:	-78.8287648



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	2/14/2023	Time:	11:45	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-021423	02-14-2023 12:01		7.67	9.95	86.70	190.00	551.09	18.32	Cloudy	None	--	Hach 2100q used for turbidity

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	02-13-2023 13:01	Multi Meter ID:	--
ISCO End Date and Time:	02-14-2023 12:01		

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+ (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:	SEEP-A	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|BEN KRAUSE|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	13:40	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-SEEP-A-EFF-021323	02-13-2023	13:45	7.73	5.62	59.40	4.32	247.83	14.45	clear	none	--	

Sampling Data

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

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	62
Sky:	Clear
Precipitation:	None
Wind (mph)	13

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|BEN KRAUSE|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	14:12	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-SEEP-B-EFF-021323	02-13-2023	14:15	7.58	2.75	41.50	174.00	286.50	16.34	murky	none	--	

Sampling Data

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

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	62
Sky:	Clear
Precipitation:	None
Wind (mph)	13

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|BEN KRAUSE|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	14:27	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				
CAP1Q23-SEEP-C-EFF-021323	2/13/2023	14:38	8.55	6.26	42.10	137.00	270.44	15.26	cloud/murky	none	--	

Sampling Data

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

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	63
Sky:	Clear
Precipitation:	None
Wind (mph)	9

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BRANDON WEIDNER|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	14:44	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				
CAP1Q23-SEEP-D-EFF-021323	02-13-2023	14:45	6.74	3.12	74.50	2.12	233.97	15.47	clear	none	--	

Sampling Data

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

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	63
Sky:	Clear
Precipitation:	None
Wind (mph)	9

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-6	Project Manager:	Tracy Ovbey
Samplers:	KAYTLYN MARINGER|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	02-13-2023	Time:	13:50	General Comments:	--

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP1Q23-WC-6-021323	02-13-2023	13:56	6.78	7.79	162.50	10.20	229.16	16.40	--	--	--	

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu aqua troll	Flow Rate:	--
		Multi Meter ID:	706682	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):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

Latitude:	34.854190
Longitude:	78.829866

GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: BLADEN-1DR | Well Diameter: 2 Inches

Samplers: KAYTLYN MARINGER|KELLY HAYES | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 30

Pump Loc: within screen

Method: Peristaltic Pump | Date: 02-14-2023 | Time: 11:30

WATER VOLUME CALCULATION

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

Water Volume = 4.328

Initial Depth to Water (ft.): 20.53 | Depth to Well Bottom (ft.): 47.58

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			
12:10	20.11	110.00	550.00	6.8	0.44	-53.90	86.30	96.08	18.87	Cloudy	No	
12:15	20.20	200.00	1000.00	6.61	0.19	-95.10	80.30	84.66	18.99	Cloudy	Slight River	
12:20	20.23	200.00	1000.00	6.6	0.13	-105.70	131.00	83.49	19.13	Cloudy	No	
12:25	20.27	200.00	1000.00	6.61	0.10	-112.20	174.00	84.29	19.55	Cloudy	--	
12:30	20.28	200.00	1000.00	6.65	0.08	-116.20	258.00	85.06	19.55	Cloudy	--	
12:35	20.18	170.00	850.00	6.66	0.09	-120.10	258.00	86.21	19.76	Cloudy	--	
12:40	20.16	170.00	850.00	6.68	0.08	-123.20	256.00	86.69	19.83	Cloudy	--	
12:45	20.18	170.00	850.00	6.7	0.06	-124.60	239.00	87.88	19.82	Cloudy	--	
12:50	20.31	250.00	1250.00	6.72	0.05	-118.80	188.00	87.75	19.65	Cloudy	--	
12:55	20.36	250.00	1250.00	6.71	0.03	-110.40	165.00	87.32	19.67	Cloudy	--	
13:00	20.38	250.00	1250.00	6.7	0.03	-108.50	126.00	86.57	19.77	Cloudy	--	
13:05	20.39	250.00	1250.00	6.69	0.03	-105.50	121.00	85.29	19.73	Cloudy	--	
13:10	20.56	300.00	1500.00	6.65	0.02	-112.90	124.00	84.32	19.63	Cloudy	--	
13:15	20.59	300.00	1500.00	6.62	0.00	-116.40	71.30	82.91	19.46	Cloudy	--	
13:20	20.62	300.00	1500.00	6.59	0.00	-116.70	47.80	80.91	19.49	Cloudy	--	
13:25	20.63	300.00	1500.00	6.58	0.00	-117.60	46.90	80.21	19.51	Less cloudy than earlier	--	
13:30	20.63	300.00	1500.00	6.56	0.00	-117.20	33.30	78.48	19.19	Clear	--	
13:35	20.64	300.00	1500.00	6.52	0.00	-114.20	27.60	78.84	18.97	Clear	--	
13:40	20.65	300.00	1500.00	6.52	0.00	-115.30	23.50	78.85	18.95	Clear	--	
13:45	20.65	300.00	1500.00	6.51	0.00	-115.30	21.60	76.83	19.05	Clear	--	
13:50	20.65	300.00	1500.00	6.48	0.00	-113.20	19.30	77.09	19.06	Clear	--	
13:55	20.65	300.00	1500.00	6.47	0.00	-113.70	24.30	76.75	19.20	Clear	--	
14:00	20.65	300.00	1500.00	6.48	0.00	-114.10	18.20	77.19	19.15	Clear	--	
14:05	20.65	300.00	1500.00	6.45	0.00	-114.50	12.60	74.96	19.07	Clear	--	
14:10	20.65	300.00	1500.00	6.44	0.00	-114.20	13.40	76.02	18.96	Clear	--	

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: Low Flow | Date: 02-14-2023 | Time: 14:10

Field Filtered: No

Purge Start Time: 12:05

Total Volume Purged (mL): 31600

Field Parameters

STABILIZED PARAMETERS	
pH	6.44
Spec. Cond.(µS/cm)	76.02
Turbidity (NTU)	13.40
Temp.(°C)	18.96
DO (mg/L)	0.00
ORP (mV)	-114.20

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 HFPO-DA, 537 MOD (36)

Sample ID: CAP1Q23-BLADEN-1D-R-021423

DuplicateID:	--
QA/QC:	--

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	22				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	02-16-2023	Time:	09:00

WATER VOLUME CALCULATION

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

Water Volume =	2.189		
Initial Depth to Water (ft.):	15.05	Depth to Well Bottom (ft.):	28.73

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			
09:20	15.68	250.00	-250.00	3.75	0.30	277.80	12.07	130.18	17.12	Clear	None	
09:25	15.72	250.00	1250.00	3.72	0.26	295.80	9.03	128.57	17.23	Clear	N/A	
09:30	15.73	250.00	1250.00	3.76	0.33	283.90	5.01	126.61	17.35	Clear	No	
09:35	15.74	250.00	1250.00	3.77	0.45	294.50	3.37	126.29	17.35	Clear	Na	
09:40	15.74	250.00	1250.00	3.79	0.32	312.30	3.00	125.39	17.57	Clear	No	
09:45	15.75	250.00	1250.00	3.8	0.29	318.90	2.34	125.08	17.61	Clear	Na	
09:50	15.75	250.00	1250.00	3.81	0.31	320.70	2.11	124.18	17.64	Clear	No	

Screen Interval:

11.0-26.0

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

Sampling Data

Method:	Low Flow	Date:	02-16-2023	Time:	09:50
Field Filtered:					

Purge Start Time:	09:21
Total Volume Purged (mL):	7250

Field Parameters

STABILIZED PARAMETERS	
pH	3.81
Spec. Cond.(µS/cm)	124.18
Turbidity (NTU)	2.11
Temp.(°C)	17.64
DO (mg/L)	0.31
ORP (mV)	320.70

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:	CAP1Q23-LTW-01-021623
DuplicateID:	
QA/QC:	

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-02	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	20				
Pump Loc:	above screen				
Method:	Peristaltic Pump	Date:	02-16-2023	Time:	10:10

WATER VOLUME CALCULATION

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

Water Volume =	5.341		
Initial Depth to Water (ft.):	7.3	Depth to Well Bottom (ft.):	40.68

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:25	7.42	200.00	200.00	5.13	7.43	201.20	6.63	44.04	17.82	Clear	None	
10:30	7.42	200.00	1000.00	5.11	7.42	210.40	5.05	43.66	18.18	Clear	No	
10:35	7.43	200.00	1000.00	5.13	7.40	219.00	6.53	43.49	18.40	Clear	None	
10:40	7.43	200.00	1000.00	5.09	7.31	221.00	5.57	43.48	18.51	Clear	No	
10:45	7.45	200.00	1000.00	5.09	6.91	225.80	4.35	44.47	18.57	Clear	None	
10:50	7.43	200.00	1000.00	5.08	6.33	229.50	5.43	43.41	18.53	Clear	None	
10:55	7.45	200.00	1000.00	5.05	5.61	231.20	6.09	43.45	18.60	Clear	Na	
11:00	7.45	200.00	1000.00	5.04	4.45	225.50	5.75	43.76	18.56	Clear	No	
11:05	7.45	200.00	1000.00	5.05	3.82	210.80	5.40	44.43	18.59	Clear	None	
11:10	7.50	200.00	1000.00	5.06	3.61	197.10	2.99	46.34	18.51	Clear	No	
11:15	7.49	200.00	1000.00	5.07	2.69	174.00	3.03	47.22	18.44	Clear	None	
11:20	7.50	200.00	1000.00	5.08	2.56	161.60	3.27	49.17	18.67	Clear	No	
11:25	7.50	200.00	1000.00	5.07	2.19	141.20	4.65	48.86	18.62	Clear	None	
11:30	7.50	200.00	1000.00	5.08	1.85	131.20	1.76	49.59	18.60	Clear	No	
11:35	7.51	200.00	1000.00	5.08	1.62	123.80	1.73	50.04	18.67	Clear	None	
11:40	7.51	200.00	1000.00	5.09	1.45	114.50	1.16	50.40	18.63	Clear	No	
11:45	7.51	200.00	1000.00	5.09	1.22	108.10	1.24	49.91	18.56	Clear	None	
11:50	7.51	200.00	1000.00	5.06	1.22	103.10	1.17	50.48	18.72	Clear	No	
11:55	7.51	200.00	1000.00	5.08	1.26	100.30	1.05	51.55	18.82	Clear	None	

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:	02-16-2023	Time:	11:55
Field Filtered:	No				

Purge Start Time:	10:24
Total Volume Purged (mL):	18200

Field Parameters

STABILIZED PARAMETERS	
pH	5.08
Spec. Cond.(µS/cm)	51.55
Turbidity (NTU)	1.05
Temp.(°C)	18.82
DO (mg/L)	1.26
ORP (mV)	100.30

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:	CAP1Q23-LTW-02-021623
DuplicateID:	--
QA/QC:	--

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None

Wind (mph)	9

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 15
Pump Loc: above screen
Method: Peristaltic Pump Date: 02-21-2023 Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 3.218

Initial Depth to Water (ft.): 12.65 Depth to Well Bottom (ft.): 32.76

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:40	13.15	225.00	1125.00	4.04	2.83	138.50	73.10	117.74	17.08	Light tan	No	
12:45	13.19	225.00	1125.00	3.85	1.35	220.10	36.10	114.56	17.25	Light tan	No	
12:50	13.14	225.00	1125.00	4.01	0.73	226.60	21.20	112.50	17.79	Clear	No	
12:55	13.29	225.00	1125.00	4.25	0.38	219.90	12.50	112.43	17.68	Clear	No	
13:00	13.33	225.00	1125.00	4.32	0.28	219.30	8.55	111.74	17.65	Clear	No	
13:05	13.35	225.00	1125.00	4.37	0.22	219.80	7.76	110.11	17.78			
13:10	13.39	225.00	1125.00	4.41	0.20	214.60	6.62	109.56	17.99	Clear	No	
13:15	13.39	225.00	1125.00	4.43	0.12	211.60	4.89	109.19	17.89	Clear	No	
13:20	13.40	225.00	1125.00	4.42	0.12	212.00	4.05	109.29	17.87	Clear	No	
13:25	13.42	225.00	1125.00	4.42	0.12	210.60	3.37	109.19	17.81	Clear	No	

Screen Interval: 15.0-30.0

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

Sampling Data

Method: Low Flow Date: 02-21-2023 Time: 13:25
Field Filtered: No

Purge Start Time: 12:35
Total Volume Purged (mL): 11250

Field Parameters

STABILIZED PARAMETERS	
pH	4.42
Spec. Cond.(µS/cm)	109.19
Turbidity (NTU)	3.37
Temp.(°C)	17.81
DO (mg/L)	0.12
ORP (mV)	210.60

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)

Sample ID: CAP1Q23-LTW-03-022123
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth:	18				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	02-17-2023	Time:	10:21

WATER VOLUME CALCULATION

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

Water Volume =	3.277		
Initial Depth to Water (ft.):	8.01	Depth to Well Bottom (ft.):	28.49

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	14.40	220.00	220.00	4.45	0.09	237.80	22.90	94.80	18.68	Clear	No	
10:35	14.47	220.00	1100.00	4.52	0.09	233.60	19.30	94.42	18.89	Clear	No	
10:40	14.39	220.00	1100.00	4.53	0.09	231.00	18.40	94.07	18.97	Clear	No	
10:45	14.38	220.00	1100.00	4.52	0.09	230.50	14.70	93.73	18.68	Clear	No	
10:50	14.32	220.00	1100.00	4.5	0.09	230.90	14.60	94.51	18.68	Clear	No	

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:	02-17-2023	Time:	10:50
Field Filtered:	No				

Purge Start Time: 10:29

Total Volume Purged (mL): 4620

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	94.51
Turbidity (NTU)	14.60
Temp.(°C)	18.68
DO (mg/L)	0.09
ORP (mV)	230.90

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:	CAP1Q23-LTW-04-021723
DuplicateID:	--
QA/QC:	--

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

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	14

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-05	Well Diameter:	2 Inches
Samplers:	KAYTLYN MARINGER|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: above screen
Method: Peristaltic Pump Date: 02-15-2023 Time: 09:18

WATER VOLUME CALCULATION

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

Water Volume = 6.168

Initial Depth to Water (ft.): 8.74 Depth to Well Bottom (ft.): 47.29

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:40	8.88	240.00	1200.00	5.37	7.00	24.80	13.40	121.05	16.64	Clear	No	
09:45	8.89	240.00	1200.00	4.48	6.92	96.20	4.08	111.56	17.22	Clear	No	
09:50	8.90	240.00	1200.00	4.31	6.82	135.30	3.44	109.26	17.45	Clear	No	
09:55	8.91	240.00	1200.00	4.26	5.87	155.20	3.96	109.45	17.73	Clear	No	
10:00	8.92	240.00	1200.00	4.24	4.86	166.70	2.87	109.40	17.85	Clear	No	
10:05	8.93	240.00	1200.00	4.25	3.94	171.90	3.83	108.62	17.98	Clear	No	
10:10	8.93	240.00	1200.00	4.27	3.30	173.00	5.73	107.19	18.11	Clear	No	
10:15	8.96	240.00	1200.00	4.28	2.66	163.30	9.74	106.15	17.99	Clear	No	
10:20	8.98	240.00	1200.00	4.29	1.91	146.40	9.73	105.50	17.99	Clear	No	
10:25	9.01	240.00	1200.00	4.3	1.40	131.50	8.10	105.31	18.08	Clear	No	
10:30	9.02	240.00	1200.00	4.3	1.35	122.10	6.90	105.37	18.07	Clear	No	
10:35	9.04	240.00	1200.00	4.31	1.36	114.60	7.47	105.04	18.12	Clear	No	
10:40	9.05	240.00	1200.00	4.31	0.80	100.20	9.96	104.37	18.18	Clear	No	
10:45	9.05	240.00	1200.00	4.31	0.66	94.50	5.71	104.35	18.15	Clear	No	
10:50	9.05	240.00	1200.00	4.3	0.54	92.40	4.94	104.23	18.22	Clear	No	
10:55	9.05	240.00	1200.00	4.31	0.75	92.50	3.86	104.20	18.27	Clear	No	
11:00	9.05	240.00	1200.00	4.31	0.40	92.30	3.00	103.98	18.31	Clear	No	
11:05	9.05	240.00	1200.00	4.31	0.36	93.10	2.56	104.10	18.34	Clear	No	
11:10	9.05	240.00	1200.00	4.31	0.54	94.40	2.20	104.12	18.55	Clear	No	
11:15	9.05	240.00	1200.00	4.31	0.28	94.60	1.98	104.15	18.65	Clear	No	
11:20	9.05	240.00	1200.00	4.32	0.30	95.10	1.87	103.98	18.58	Clear	No	
11:25	9.05	240.00	1200.00	4.31	0.29	96.40	1.42	104.02	18.78	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

Purge Start Time: 09:35
Method: Low Flow Date: 02-15-2023 Time: 11:25 Total Volume Purged (mL): 26400
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.31
Spec. Cond.(µS/cm)	104.02
Turbidity (NTU)	1.42
Temp.(°C)	18.78
DO (mg/L)	0.29
ORP (mV)	96.40

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: CAP1Q23-LTW-05-021523
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	59.00

Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	OW-28	Well Diameter:	2 Inches
Samplers:	KELLY HAYES|ERIN JANIGA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 02-20-2023 Time: 11:22

WATER VOLUME CALCULATION

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

Water Volume = 4.051

Initial Depth to Water (ft.): 8.2 Depth to Well Bottom (ft.): 33.52

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	8.53	240.00	0.00	4.47	0.49	223.50	10.10	50.97	20.30	Clear	No	
11:35	8.58	240.00	1200.00	4.43	0.28	114.60	9.48	46.16	20.05	Clear	No	
11:40	8.58	240.00	1200.00	4.43	0.23	84.90	7.00	43.63	20.26	Clear	No	
11:45	8.61	240.00	1200.00	4.45	0.18	49.00	5.55	43.10	20.35	Clear	No	
11:50	8.63	240.00	1200.00	4.45	0.16	37.60	5.41	43.12	20.70	Clear	No	
11:55	8.65	240.00	1200.00	4.48	0.14	24.80	3.96	42.44	20.25	Clear	No	
12:00	8.67	240.00	1200.00	4.48	0.13	18.80	2.84	42.06	20.52	Clear	No	
12:05	8.68	240.00	1200.00	4.49	0.12	13.50	2.38	42.00	20.30	Clear	No	
12:10	8.69	240.00	1200.00	4.49	0.11	8.70	1.68	41.62	20.22	Clear	No	
12:15	8.71	240.00	1200.00	4.49	0.11	6.80	1.58	41.73	20.70	Clear	No	
12:20	8.71	240.00	1200.00	4.49	0.10	5.80	1.36	41.69	20.98	Clear	No	
12:25	8.73	240.00	1200.00	4.51	0.09	1.00	1.26	41.25	20.86	Clear	No	
12:30	8.73	240.00	1200.00	4.5	0.09	-1.90	1.24	41.21	20.97	Clear	No	
12:35	8.75	240.00	1200.00	4.5	0.09	-1.30	0.99	41.09	21.31	Clear	No	
12:40	8.75	240.00	1200.00	4.52	0.09	-8.70	0.77	40.71	21.48	Clear	No	
12:45	8.75	240.00	1200.00	4.53	0.09	-8.30	1.06	40.60	21.24	Clear	No	
12:50	8.78	240.00	1200.00	4.54	0.08	-12.40	0.82	40.43	21.12	Clear	No	
12:55	8.77	240.00	1200.00	4.53	0.08	-11.30	0.66	40.52	20.73	Clear	No	
13:00	8.79	240.00	1200.00	4.53	0.08	-14.90	1.00	40.48	21.23	Clear	No	
13:05	8.78	240.00	1200.00	4.54	0.08	-15.00	0.70	40.45	21.11	Clear	No	
13:10	8.79	240.00	1200.00	4.54	0.08	-14.70	0.69	41.46	21.08	Clear	No	

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: 02-20-2023 Time: 13:10
Field Filtered: No

Purge Start Time: 11:30
Total Volume Purged (mL): 24000

Field Parameters

STABILIZED PARAMETERS	
pH	4.54
Spec. Cond.(µS/cm)	41.46
Turbidity (NTU)	0.69
Temp.(°C)	21.08
DO (mg/L)	0.08
ORP (mV)	-14.70

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: CAP1Q23-OW-28-022023
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	65.00

Parsons PLUS creating a safer world

Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	OW-33	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 28
Pump Loc: within screen
Method: Peristaltic Pump Date: 02-14-2023 Time: 14:46

WATER VOLUME CALCULATION

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

Water Volume = 3.974

Initial Depth to Water (ft.): 6.98 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			
15:08	7.08	320.00	640.00	4.32	0.52	323.70	105.00	50.32	18.02	Hazy light tan	No	
15:13	7.07	320.00	1600.00	4.41	0.25	213.60	85.00	47.63	18.01	Hazy light tan	No	
15:18	7.07	320.00	1600.00	4.42	0.22	135.20	58.60	22.23	18.10	Slightly hazy	No	
15:23	7.07	320.00	1600.00	4.47	0.19	93.00	46.30	21.32	17.98	Clear	No	
15:28	7.07	320.00	1600.00	4.48	0.18	80.40	35.20	21.37	18.03	Clear	No	
15:33	7.07	320.00	1600.00	4.47	0.18	76.70	25.60	20.81	18.02	Clear	No	
15:38	7.07	320.00	1600.00	4.5	0.15	66.70	20.60	21.02	18.12	Clear	No	
15:43	7.07	320.00	1600.00	4.49	0.15	69.70	17.50	20.63	18.01	Clear	No	
15:48	7.07	320.00	1600.00	4.47	0.10	64.10	16.30	20.00	17.98	Clear	No	
15:53	7.07	320.00	1600.00	4.46	0.10	60.20	11.30	20.74	17.97	Clear	No	
15:58	7.07	320.00	1600.00	4.45	0.11	62.00	10.50	20.98	17.98	Clear	No	

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: 15:06
Method: Low Flow Date: 02-14-2023 Time: 15:58 Total Volume Purged (mL): 17280
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.45
Spec. Cond.(µS/cm)	20.98
Turbidity (NTU)	10.50
Temp.(°C)	17.98
DO (mg/L)	0.11
ORP (mV)	62.00

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: CAP1Q23-OW-33-021423
DuplicateID: --
QA/QC: --

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	KELLY HAYES|ERIN JANIGA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 26
Pump Loc: within screen
Method: Peristaltic Pump Date: 02-16-2023 Time: 14:40

WATER VOLUME CALCULATION

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

Water Volume = 2.34

Initial Depth to Water (ft.): 17.38 Depth to Well Bottom (ft.): 31.71

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:55	17.42	200.00	1400.00	3.66	0.77	442.30	49.00	161.73	20.44	Semi cloudy	No	
15:00	17.43	200.00	1000.00	3.65	0.65	454.00	50.00	161.78	20.07	Semi cloudy	No	
15:05	17.42	200.00	1000.00	3.65	0.40	427.70	185.00	161.25	19.99	Cloudy	No	
15:10	17.43	200.00	1000.00	3.64	0.30	411.00	185.00	160.95	20.27	Cloudy	No	
15:15	17.42	200.00	1000.00	3.64	0.28	411.60	109.00	160.00	20.41	Cloudy	No	
15:20	17.42	200.00	1000.00	3.64	0.25	408.70	68.30	161.05	20.34	Slightly hazy	No	
15:25	17.42	200.00	1000.00	3.63	0.36	416.80	55.00	161.20	20.70	Slightly cloudy	No	
15:30	17.42	200.00	1000.00	3.63	0.44	419.80	46.30	160.94	20.82	Clear	No	
15:35	17.41	200.00	1000.00	3.63	0.37	414.40	41.10	160.76	21.20	Clear	No	
15:40	17.42	200.00	1000.00	3.63	0.37	411.10	41.30	160.60	21.13	Clear	No	
15:45	17.42	200.00	1000.00	3.64	0.31	411.20	29.70	160.71	20.64	Clear	No	
15:50	17.42	200.00	1000.00	3.64	0.31	411.20	28.30	160.71	20.64	Clear	No	
15:55	17.42	200.00	1000.00	3.64	0.30	408.40	22.50	159.85	19.94	Clear	No	
16:00	17.42	200.00	1000.00	3.63	0.21	408.20	23.50	160.79	19.98	Clear	No	
16:05	17.42	200.00	1000.00	3.62	0.27	408.10	17.20	160.68	20.60	Clear	No	
16:10	17.42	200.00	1000.00	3.63	0.28	406.40	16.60	160.31	20.59	Clear	No	
16:15	17.42	200.00	1000.00	3.62	0.29	407.90	15.50	160.62	21.20	Clear	No	

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: 02-16-2023 Time: 16:15
Field Filtered: No

Purge Start Time: 14:48
Total Volume Purged (mL): 17400

Field Parameters

STABILIZED PARAMETERS	
pH	3.62
Spec. Cond.(µS/cm)	160.62
Turbidity (NTU)	15.50
Temp.(°C)	21.20
DO (mg/L)	0.29
ORP (mV)	407.90

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: CAP1Q23-PIW-1D-021623
DuplicateID: --
QA/QC: --

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

WEATHER CONDITIONS	
Temperature (F):	78.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	16

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	20				
Pump Loc:	bottom of well				
Method:	Peristaltic Pump	Date:	02-16-2023	Time:	14:00

WATER VOLUME CALCULATION

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

Water Volume =	0.43		
Initial Depth to Water (ft.):	19.31	Depth to Well Bottom (ft.):	21.94

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:15	19.52	180.00	900.00	4.1	1.86	356.40	6.30	214.91	20.32	Clear	No	
14:20	19.53	180.00	900.00	4.06	1.67	380.20	4.15	213.43	19.93	Clear	No	
14:25	19.54	180.00	900.00	4.03	1.75	398.00	2.30	207.02	19.87	Clear	No	
14:30	19.54	180.00	900.00	4.02	1.67	408.50	1.74	207.05	19.76	Clear	No	

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

Method:	Low Flow	Date:	02-16-2023	Time:	14:30	Purge Start Time:	14:10
Field Filtered:	No					Total Volume Purged (mL):	3600

Field Parameters

STABILIZED PARAMETERS	
pH	4.02
Spec. Cond.(µS/cm)	207.05
Turbidity (NTU)	1.74
Temp.(°C)	19.76
DO (mg/L)	1.67
ORP (mV)	408.50

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:	CAP1Q23-PIW-1S-021623
DuplicateID:	--
QA/QC:	--

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	15

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	20				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	02-16-2023	Time:	12:10

WATER VOLUME CALCULATION

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

Water Volume =	1.75		
Initial Depth to Water (ft.):	15.91	Depth to Well Bottom (ft.):	26.85

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			
12:25	16.14	250.00	1250.00	4.32	0.18	341.50	67.70	70.25	19.26	Cloudy	No	
12:30	16.14	250.00	1250.00	4.33	0.12	342.20	63.00	69.75	19.10	Cloudy	No	
12:35	16.16	250.00	1250.00	4.42	0.10	301.90	7.75	67.57	19.01	Clear	No	
12:40	16.16	250.00	1250.00	4.46	0.09	262.60	4.46	66.93	19.36	Clear	No	
12:45	16.16	250.00	1250.00	4.51	0.07	197.20	4.51	65.58	18.98	Clear	No	
12:50	16.16	250.00	1250.00	4.54	0.05	160.90	2.55	65.68	19.17	Clear	No	
12:55	16.16	250.00	1250.00	4.56	0.05	143.00	2.71	65.58	18.94	Clear	No	
13:00	16.16	250.00	1250.00	4.57	0.05	130.60	2.16	65.33	18.96	Clear	No	
13:05	16.16	250.00	1250.00	4.57	0.05	126.20	1.75	65.37	19.00	Clear	No	
13:10	16.16	250.00	1250.00	4.59	0.05	121.20	1.64	65.09	18.77	Clear	No	

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:	02-16-2023	Time:	13:10
Field Filtered:	No				

Purge Start Time:	12:20
Total Volume Purged (mL):	12500

Field Parameters

STABILIZED PARAMETERS	
pH	4.59
Spec. Cond.(µS/cm)	65.09
Turbidity (NTU)	1.64
Temp.(°C)	18.77
DO (mg/L)	0.05
ORP (mV)	121.20

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:	CAP1Q23-PIW-3D-021623
DuplicateID:	--
QA/QC:	--

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth:	20				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	02-15-2023	Time:	12:41

WATER VOLUME CALCULATION

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

Water Volume =	5.034		
Initial Depth to Water (ft.):	5.59	Depth to Well Bottom (ft.):	37.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55	5.60	200.00	1000.00	4.32	7.12	204.20	6.24	90.86	19.46	Clear	No	
13:00	5.60	200.00	1000.00	4.41	7.01	192.40	5.68	90.89	19.24	Clear	No	
13:05	5.59	200.00	1000.00	4.52	5.18	86.30	3.72	91.29	18.96	Clear	No	
13:10	5.53	200.00	1000.00	4.58	3.09	16.20	5.66	91.08	19.06	Clear	No	
13:15	5.49	200.00	1000.00	4.33	1.61	16.50	7.35	96.94	18.73	Clear	Slight smell	
13:20	5.51	200.00	1000.00	4.32	2.34	30.20	5.72	97.59	19.01	Clear	Yes	
13:25	5.52	200.00	1000.00	4.25	1.15	42.60	6.97	100.84	18.77	Clear	Yes	
13:30	5.57	200.00	1000.00	4.25	1.16	49.90	8.63	101.91	18.98	Clear	Yes	
13:35	5.55	200.00	1000.00	4.25	1.20	54.00	6.20	101.12	18.69	Clear	Yes	
13:40	5.55	200.00	1000.00	4.21	1.04	58.60	5.79	102.36	18.66	Clear	Yes	
13:45	5.55	200.00	1000.00	4.2	1.01	58.90	4.58	102.52	18.70	Clear	Yes	
13:50	5.55	200.00	1000.00	4.21	1.17	60.60	3.89	102.05	18.42	Clear	Yes	
13:55	5.55	200.00	1000.00	4.21	1.09	61.60	3.25	102.13	18.99	Clear	Yes	
14:00	5.55	200.00	1000.00	4.21	0.82	60.90	3.18	103.44	18.92	Clear	Yes	
14:05	5.55	200.00	1000.00	4.2	0.68	60.70	2.11	103.81	18.99	Clear	Yes	
14:10	5.55	200.00	1000.00	4.2	0.69	59.90	2.63	103.72	18.89	Clear	Yes	
14:15	5.55	200.00	1000.00	4.18	0.60	59.90	1.86	103.72	18.80	Clear	Yes	
14:20	5.55	200.00	1000.00	4.17	0.57	59.90	1.49	103.45	18.60	Clear	Yes	
14:25	5.55	200.00	1000.00	4.18	0.71	60.40	1.56	104.55	18.65	Clear	Yes	
14:30	5.55	200.00	1000.00	4.19	0.93	62.40	8.56	103.50	18.75	Clear	Yes	
14:35	5.55	200.00	1000.00	4.19	0.77	60.30	2.66	103.74	18.81	Clear	Yes	
14:40	5.55	200.00	1000.00	4.17	0.71	63.50	1.32	103.48	18.79	Clear	Yes	
14:45	5.55	200.00	1000.00	4.18	0.75	63.00	1.13	103.27	18.71	Clear	Yes	

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:	02-15-2023	Time:	14:45
Field Filtered:	No				

Purge Start Time:	12:50
Total Volume Purged (mL):	23000

Field Parameters

STABILIZED PARAMETERS	
pH	4.18
Spec. Cond.(µS/cm)	103.27
Turbidity (NTU)	1.13
Temp.(°C)	18.71
DO (mg/L)	0.75
ORP (mV)	63.00

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:	CAP1Q23-PIW-7D-021523
DuplicateID:	--
QA/QC:	--

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	15

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 12
Pump Loc: within screen
Method: Peristaltic Pump Date: 02-15-2023 Time: 14:51

WATER VOLUME CALCULATION

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

Water Volume = 2.403

Initial Depth to Water (ft.): 5.22 Depth to Well Bottom (ft.): 20.24

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:00	5.80	250.00	1250.00	5.09	0.24	106.80	19.30	132.99	18.25	Clear	No	
15:05	5.89	250.00	1250.00	5.01	0.09	106.80	21.10	133.55	17.96	Clear	No	
15:10	5.93	250.00	1250.00	5.11	0.06	95.40	17.00	133.97	17.96	Clear	No	
15:15	5.95	250.00	1250.00	5.19	0.04	78.70	10.50	133.05	17.87	Clear	No	
15:20	5.96	250.00	1250.00	5.27	0.03	59.50	8.10	132.34	18.18	Clear	No	
15:25	5.97	250.00	1250.00	5.35	0.02	37.60	5.35	131.38	18.43	Clear	No	
15:30	5.98	250.00	1250.00	5.38	0.02	29.90	4.46	130.71	18.14	Clwar	No	
15:35	6.00	250.00	1250.00	5.44	0.01	22.20	4.55	130.82	18.40	Clear	No	
15:40	6.00	250.00	1250.00	5.49	0.01	16.30	2.55	130.56	18.24	Clear	No	
15:45	6.00	250.00	1250.00	5.54	0.01	12.50	1.86	131.97	18.55	Clear	No	
15:50	6.00	250.00	1250.00	5.51	0.01	12.10	1.90	131.18	18.52	Clear	No	
15:55	6.00	250.00	1250.00	5.52	0.01	11.30	1.86	131.56	18.28	Clear	No	

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: 02-15-2023 Time: 15:55
Field Filtered: No

Purge Start Time: 14:55
Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	5.52
Spec. Cond.(µS/cm)	131.56
Turbidity (NTU)	1.86
Temp.(°C)	18.28
DO (mg/L)	0.01
ORP (mV)	11.30

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: CAP1Q23-PIW-7S-021523
DuplicateID: --
QA/QC: --

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

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-04	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30.81
Pump Loc: Bottom
Method: Bailer Date: 02-20-2023 Time: 10:31

WATER VOLUME CALCULATION

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

Water Volume = 0.197

Initial Depth to Water (ft.): 29.581 Depth to Well Bottom (ft.): 30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	29.58		560.00	2.84	0.44	407.00	13.90	1089.40	21.53	Clear with brown specks	No	Purged dry 2-20-23
16:10	29.58		520.00	2.93	0.98	410.80	5.14	965.88	19.92	Clear	No	Purged dry 2-20-23 for second time
10:30	29.56		550.00	2.94	0.00	355.80	11.80	1097.70	19.55	Light tan, clear	No	Purged dry 2-21-23 for third time
16:45	29.66		567.00	2.99	0.00	370.50	45.80	2130.60	21.07	Clear	No	Purged dy 2-21-23 for fourth time
11:02	29.54		0.00	3.02	0.00	318.40	43.10	1001.80	21.54	Cloudy	None	2-22-23 purged 5th well volume, will sample next visit.

Screen Interval: 17 - 27

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

Sampling Data

Purge Start Time: 10:40
Method: Bailed dry for 5 well volumes Date: 2/22/2023 Time: 11:02 Total Volume Purged (mL): 2197
Field Filtered: Yes

Field Parameters

STABILIZED PARAMETERS	
pH	2.99
Spec. Cond.(µS/cm)	2130.60
Turbidity (NTU)	45.80
Temp.(°C)	21.07
DO (mg/L)	0.00
ORP (mV)	370.50

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: CAP1Q23-PW-04-022223
DuplicateID: CAP1Q23-PW-04-022223-Z
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-06	Well Diameter:	2 Inches
Samplers:	KAYTLYN MARINGER|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	27				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	02-14-2023	Time:	15:02

WATER VOLUME CALCULATION

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

Water Volume =	1.965		
Initial Depth to Water (ft.):	20.58	Depth to Well Bottom (ft.):	32.86

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			
15:20	21.40	180.00	900.00	5.04	6.82	70.70	17.80	43.44	17.72	Clear	--	
15:25	21.59	250.00	1250.00	4.25	6.62	111.90	7.47	44.88	17.58	Clear	No	
15:30	21.73	250.00	1250.00	4.13	6.53	126.50	4.24	47.07	17.44	Clear	No	
15:35	21.79	250.00	1250.00	4.2	6.74	134.80	3.78	45.97	17.44	Clear	No	
15:40	21.81	250.00	1250.00	4.18	6.16	145.90	3.50	49.10	17.39	Clear	No	
15:45	21.83	250.00	1250.00	4.2	5.98	152.30	2.59	49.41	17.32	Clear	No	
15:50	21.84	250.00	1250.00	4.19	5.78	159.00	2.03	50.61	17.29	Clear	No	

Screen Interval:

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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:	02-14-2023	Time:	15:50	Purge Start Time:	15:15
Field Filtered:	No					Total Volume Purged (mL):	8400

Field Parameters

STABILIZED PARAMETERS	
pH	4.19
Spec. Cond.(µS/cm)	50.61
Turbidity (NTU)	2.03
Temp.(°C)	17.29
DO (mg/L)	5.78
ORP (mV)	159.00

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:	CAP1Q23-PW-06-021423
DuplicateID:	CAP1Q23-PW-06-021423-D
QA/QC:	Dup|MS|MSD

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-07	Well Diameter:	2 Inches
Samplers:	KAYTLYN MARINGER|KELLY HAYES	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: N/A
Pump Loc: N/A
Method: N/A Date: 02-14-2023 Time: 14:38

WATER VOLUME CALCULATION

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

Water Volume = 0.01

Initial Depth to Water (ft.): 41.77 Depth to Well Bottom (ft.): 41.83

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:38	41.77	--	--	--	--	--	--	--	--	--	--	Well does not have enough water to attempt to sample.

Screen Interval: 28 - 38

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

Sampling Data

Method: N/A Date: N/A Time: N/A
Field Filtered: N/A

Purge Start Time: 14:41
Total Volume Purged (mL): 0

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: N/A
DuplicateID: N/A
QA/QC: N/A

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

RECORD OF WELL SAMPLING

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

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

Purging Data

Pump Depth: 50

Pump Loc: within screen

Method: Double valve pump | Date: 02-20-2023 | Time: 12:00

WATER VOLUME CALCULATION

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

Water Volume = 5.17

Initial Depth to Water (ft.): 25.21 | Depth to Well Bottom (ft.): 57.52

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:35	26.21	250.00	1250.00	11.58	1.60	-21.50	17.20	420.72	17.75	Clear	None	
12:40	27.45	250.00	1250.00	11.95	1.29	-24.80	12.90	510.61	17.62	Clear	None	
12:45	27.85	250.00	1250.00	12.14	0.96	-33.90	12.40	549.24	17.61	Clear	None	
12:50	28.17	250.00	1250.00	11.84	0.61	-30.30	38.80	329.43	17.67	Cloudy	None	
12:55	28.36	250.00	1250.00	11.37	0.33	-25.90	44.50	205.63	17.62	Cloudy	None	
13:00	28.43	250.00	1250.00	10.94	0.22	-20.10	44.00	166.82	17.65	Cloudy	None	
13:05	29.06	500.00	2500.00	10.63	1.57	-15.70	35.30	134.97	17.57	Cloudy	None	Up flow rate to start pumping 5 well volumes
13:10	30.14	500.00	2500.00	10.3	1.75	-7.90	39.00	121.98	17.61	Cloudy	None	
13:15	30.93	500.00	2500.00	10.11	1.02	-5.90	59.00	115.55	17.56	Cloudy	None	
13:20	31.26	500.00	2500.00	9.67	0.62	-10.00	79.10	99.72	17.60	Cloudy	None	
13:25	31.51	500.00	2500.00	8.8	0.33	-93.30	70.90	91.01	17.58	Cloudy	None	
13:30	31.72	500.00	2500.00	8.53	0.21	-123.60	70.90	90.04	17.59	Cloudy	None	
13:35	31.71	500.00	2500.00	8.1	0.14	-137.10	65.70	83.75	17.60	Cloudy	None	
13:40	31.88	500.00	2500.00	8.01	0.11	-146.50	67.40	82.48	17.62	Cloudy	None	
13:45	31.83	500.00	2500.00	7.93	0.08	-160.90	65.30	80.86	17.62	Cloudy	None	
13:50	31.85	500.00	2500.00	7.78	0.06	-167.00	61.10	78.39	17.56	Cloudy	None	
13:55	31.99	500.00	2500.00	7.68	0.10	-167.10	56.40	77.22	17.58	Cloudy	None	
14:00	31.93	500.00	2500.00	7.4	0.07	-162.00	51.70	75.68	17.60	Cloudy	None	
14:05	31.93	500.00	2500.00	7.42	0.03	-162.70	53.00	74.73	17.62	Cloudy	None	
14:10	31.93	500.00	2500.00	7.35	0.03	-164.70	47.40	73.74	17.52	Cloudy	None	
14:15	31.93	500.00	2500.00	7.37	0.02	-164.30	45.60	73.05	17.58	Cloudy	None	
14:20	31.93	500.00	2500.00	7.27	0.02	-158.80	45.60	72.44	17.56	Cloudy	None	
14:25	31.93	500.00	2500.00	7.3	0.01	-157.00	41.70	71.97	17.56	Cloudy	None	
14:30	31.93	500.00	2500.00	7.23	0.01	-158.70	40.60	71.20	17.54	Cloudy	None	
14:35	31.93	500.00	2500.00	7.17	0.02	-153.40	38.40	70.75	17.55	Cloudy	None	
14:40	31.93	500.00	2500.00	7.18	0.03	-146.80	35.80	70.42	17.54	Cloudy	One	
14:45	31.93	500.00	2500.00	7.1	0.04	-148.60	36.60	69.46	17.53	Cloudy	None	
14:50	31.93	500.00	2500.00	7.08	0.04	-145.10	35.50	69.53	17.51	Cloudy	None	
14:55	31.93	500.00	2500.00	7	0.04	-140.20	31.70	69.36	17.53	Cloudy	None	
15:00	31.93	500.00	2500.00	7.08	0.08	-130.40	31.90	69.05	17.53	Cloudy	None	
15:05	31.93	500.00	2500.00	6.99	0.10	-132.00	32.50	68.53	17.48	Cloudy	None	
15:10	31.93	500.00	2500.00	7.01	0.10	-129.30	29.00	68.45	17.45	Cloudy	None	
15:15	31.93	500.00	2500.00	7.02	0.10	-121.50	31.60	68.19	17.49	Cloudy	None	
15:20	31.93	500.00	2500.00	6.99	0.12	-119.50	30.60	67.88	17.47	Cloudy	None	
15:25	31.93	500.00	2500.00	6.87	0.14	-113.50	27.80	67.60	14.48	Cloudy	None	
15:30	31.93	500.00	2500.00	6.86	0.12	-111.80	27.30	67.41	17.48	Cloudy	None	
15:35	31.93	500.00	2500.00	6.92	0.14	-114.90	30.80	67.29	17.46	Cloudy	None	
15:40	31.93	500.00	2500.00	6.85	0.14	-109.60	29.00	67.12	17.52	Cloudy	None	
15:45	31.93	500.00	2500.00	6.93	0.13	-111.90	26.40	66.91	17.47	Cloudy	None	
15:50	31.93	500.00	2500.00	6.91	0.16	-109.10	23.90	66.87	17.45	Cloudy	None	
15:55	31.93	500.00	2500.00	6.89	0.14	-107.50	26.00	66.56	17.47	Cloudy	None	
16:00	31.93	500.00	2500.00	6.89	0.14	-107.50	28.60	66.56	17.47	Cloudy	None	
16:05	31.93	500.00	2500.00	6.77	0.14	-98.70	25.90	66.17	17.48	Cloudy	None	

Screen Interval:

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

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N/A	N/A	N/A	N/A	N/A

Sampling Data

Method: Low Flow | Date: 02-20-2023 | Time: 16:05

Field Filtered: Yes

Purge Start Time: 12:30

Total Volume Purged (mL): 100000

Field Parameters

STABILIZED PARAMETERS	
pH	6.77
Spec. Cond.(µS/cm)	66.17
Turbidity (NTU)	25.90
Temp.(°C)	17.48
DO (mg/L)	0.14
ORP (mV)	-98.70

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:	CAP1Q23-PW-09-022023
DuplicateID:	CAP1Q23-PW-09-022023-Z
QA/QC:	--

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

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth:	30				
Pump Loc:	above screen				
Method:	Peristaltic Pump	Date:	02-20-2023	Time:	14:15

WATER VOLUME CALCULATION

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

Water Volume =	0.379		
Initial Depth to Water (ft.):	8.65	Depth to Well Bottom (ft.):	50.77

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:25	8.65	115.00	115.00	4.03	1.28	324.50	26.40	120.79	19.88	Clear	No	
14:30	8.65	115.00	575.00	4.21	0.68	306.70	32.80	103.92	19.88	Clear	No	
14:35	8.65	115.00	575.00	4.29	0.52	254.40	45.70	83.77	19.68	Clear	No	
14:40	8.65	115.00	575.00	4.49	0.31	125.40	91.80	92.54	19.63	Slightly cloudy	No	
14:45	8.65	115.00	575.00	4.55	0.24	96.60	98.50	91.09	19.43	Cloudy	No	
14:50	8.65	115.00	575.00	4.54	0.29	88.00	56.50	91.39	19.50	Clear	No	
14:55	8.65	115.00	575.00	4.5	0.23	80.20	52.50	90.57	19.47	Slightly cloudy	No	
15:00	8.65	115.00	575.00	4.56	0.19	75.20	39.40	90.42	19.49	Clear	No	
15:05	8.65	115.00	575.00	4.56	0.02	73.20	34.90	90.42	19.50	Clear	No	
15:10	8.65	115.00	575.00	4.56	0.16	71.60	30.10	90.09	19.22	Clear	No	
15:15	8.65	115.00	575.00	4.56	0.15	71.80	26.50	89.89	19.29	Clear	No	
15:20	8.65	115.00	575.00	4.56	0.14	71.90	21.40	89.85	19.65	Clear	No	
15:25	8.65	115.00	575.00	4.55	0.14	73.00	16.60	89.55	19.50	Clear	No	
15:30	8.65	115.00	575.00	4.56	0.13	73.90	14.40	89.45	19.32	Clear	No	
15:35	8.65	115.00	575.00	4.56	0.14	74.70	13.60	89.51	19.20	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:	02-20-2023	Time:	15:35
Field Filtered:	No				

Purge Start Time:	14:24
Total Volume Purged (mL):	8165

Field Parameters

STABILIZED PARAMETERS	
pH	4.56
Spec. Cond.(µS/cm)	89.51
Turbidity (NTU)	13.60
Temp.(°C)	19.20
DO (mg/L)	0.14
ORP (mV)	74.70

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:	CAP1Q23-PZ-22-022023
DuplicateID:	--
QA/QC:	--

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

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	7

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	BRANDON ELLIS|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 46
Pump Loc: within screen
Method: Double valve pump Date: 02-23-2023 Time: 13:34

WATER VOLUME CALCULATION

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

Water Volume = 3.531

Initial Depth to Water (ft.): 29.69 Depth to Well Bottom (ft.): 51.76

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:47	29.68	130.00	520.00	5.21	0.17	-28.80	43.40	91.80	23.15	Clear	Yes	
13:52	29.69	130.00	650.00	5.27	0.15	-37.10	21.30	88.81	23.35	Clear	Yes	
13:57	29.69	130.00	650.00	5.4	0.13	-48.40	15.00	89.80	23.55	Clear	Yes	
14:02	29.68	130.00	650.00	5.5	0.11	-58.40	12.30	90.17	23.80	Clear	Yes	
14:07	29.69	130.00	650.00	5.56	0.11	-66.10	10.00	90.38	23.92	Clear	Yes	
14:12	29.69	130.00	650.00	5.6	0.09	-69.50	9.52	87.68	24.17	Clear	Yes	
14:17	29.69	130.00	650.00	5.61	0.09	73.10	9.59	87.18	23.79	Clear	Yes	
14:22	29.69	130.00	650.00	5.6	0.07	-74.40	8.20	88.42	23.36	Clear	Yes	
14:27	29.69	130.00	650.00	5.57	0.07	-75.90	7.68	87.68	23.23	Clear	Yes	
14:32	29.69	130.00	650.00	5.58	0.06	-77.10	7.13	87.40	22.95	Clear	Yes	

Screen Interval: 39 to 49

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

Sampling Data

Method: Low Flow Date: 02-23-2023 Time: 14:32
Field Filtered: No

Purge Start Time: 13:43
Total Volume Purged (mL): 6370

Field Parameters

STABILIZED PARAMETERS	
pH	5.58
Spec. Cond.(µS/cm)	87.40
Turbidity (NTU)	7.13
Temp.(°C)	22.95
DO (mg/L)	0.06
ORP (mV)	-77.10

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: CAP1Q23-SMW-10-022323
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	21

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	ERIN JANIGA|KAYTLYN MARINGER	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:
Pump Loc: within screen
Method: Peristaltic Pump Date: 02-23-2023 Time: 09:58

WATER VOLUME CALCULATION

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

Water Volume = 1.626

Initial Depth to Water (ft.): 15.13 Depth to Well Bottom (ft.): 25.29

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:13	15.25	245.00	735.00	4.61	6.22	131.10	6.33	53.40	17.67	Clear	No	
10:18	15.23	245.00	1225.00	4.38	6.25	179.20	6.45	45.26	17.46	Clear	No	
10:23	15.24	245.00	1225.00	4.35	6.30	197.50	2.66	43.74	17.69	Clear	No	
10:28	15.24	245.00	980.00	4.29	6.11	202.30	2.53	43.73	17.63	Clear	No	
10:33	15.24	245.00	1225.00	4.3	6.31	207.70	1.43	43.13	17.78	Clear	No	

Screen Interval: 13 to 23

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

Sampling Data

Method: Low Flow Date: 02-23-2023 Time: 10:33
Field Filtered: No

Purge Start Time: 10:10
Total Volume Purged (mL): 5390

Field Parameters

STABILIZED PARAMETERS	
pH	4.30
Spec. Cond.(µS/cm)	43.13
Turbidity (NTU)	1.43
Temp.(°C)	17.78
DO (mg/L)	6.31
ORP (mV)	207.70

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)

ALL PARAMETERS ANALYZED

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

Sample ID: CAP1Q23-SMW-11-022323
DuplicateID: CAP1Q23-SMW-11-022323-D
QA/QC: Dup|MS|MSD

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	19

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	BRANDON ELLIS|KEN STUART	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 96
Pump Loc: within screen
Method: Double valve pump Date: 02-23-2023 Time: 11:02

WATER VOLUME CALCULATION

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

Water Volume = 2.453

Initial Depth to Water (ft.): 86.38 Depth to Well Bottom (ft.): 101.71

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:25	86.37	185.00	1665.00	3.59	0.18	141.30	22.50	273.61	21.24	Clear	None	
11:30	86.37	185.00	925.00	3.63	0.32	172.70	15.20	267.86	21.26			
11:35	86.37	185.00	925.00	3.63	0.45	165.49	11.00	267.83	21.29	Clear	None	
11:40	86.37	185.00	925.00	3.69	0.53	176.60	8.46	267.03	21.22	Clear	None	
11:45	86.37	185.00	925.00	3.73	0.60	174.60	7.66	264.97	21.40	Clear	None	
11:50	86.37	185.00	925.00	3.74	0.62	182.00	6.56	264.56	21.35	Clear	None	
11:55	86.37	185.00	925.00	3.74	0.65	188.30	6.01	263.53	21.21	Clear	None	

Screen Interval: 88 to 98

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

Sampling Data

Method: Low Flow Date: 02-23-2023 Time: 11:55
Field Filtered: No

Purge Start Time: 11:16
Total Volume Purged (mL): 7215

Field Parameters

STABILIZED PARAMETERS	
pH	3.74
Spec. Cond.(µS/cm)	263.53
Turbidity (NTU)	6.01
Temp.(°C)	21.21
DO (mg/L)	0.65
ORP (mV)	188.30

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 HFPO-DA |537 MOD (36)

Sample ID: CAP1Q23-SMW-12-022323
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	1

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 (selected lots)

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab 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
CFR-TARHEEL-24-010923	320-95935-1	Surface Water	N	01/09/2023	23:01	FS
CFR-TARHEEL-24-010923-D	320-95935-2	Surface Water	N	01/09/2023	23:01	DUP
CFR-TARHEEL-24-011223	320-96111-1	Surface Water	N	01/12/2023	23:01	FS
CFR-TARHEEL-011723	320-96111-2	Surface Water	N	01/17/2023	13:10	FS
CFR-TARHEEL-24-011923	320-96311-1	Surface Water	N	01/19/2023	23:01	FS
CFR-TARHEEL-24-012323	320-96311-2	Surface Water	N	01/23/2023	23:01	FS
CFR-TARHEEL-24-012623	320-96456-1	Surface Water	N	01/26/2023	23:01	FS
CFR-TARHEEL-013123	320-96456-2	Surface Water	N	01/31/2023	12:30	FS
CFR-TARHEEL-24-020223	320-96707-1	Surface Water	N	02/02/2023	23:01	FS
CFR-TARHEEL-24-020623	320-96707-2	Surface Water	N	02/06/2023	23:01	FS
CFR-TARHEEL-24-020823	320-96707-3	Surface Water	N	02/08/2023	23:01	FS
CFR-TARHEEL-24-021223	320-96851-1	Surface Water	N	02/12/2023	23:01	FS
CFR-TARHEEL-021523	320-96851-2	Surface Water	N	02/15/2023	09:30	FS
CFR-TARHEEL-24-022023	320-97131-1	Surface Water	N	02/20/2023	23:15	FS
CFR-TARHEEL-24-022023-D	320-97131-2	Surface Water	N	02/20/2023	23:15	DUP
CFR-TARHEEL-24-022323	320-97131-3	Surface Water	N	02/23/2023	23:01	FS

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

Analytical Protocol

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

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X	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-24-122922	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	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	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: 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-24-010923	01/09/2023	320-95935-1	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010923	01/09/2023	320-95935-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010923	01/09/2023	320-95935-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010923	01/09/2023	320-95935-1	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010923	01/09/2023	320-95935-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-010923	01/09/2023	320-95935-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 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-24-020823	02/08/2023	320-96707-3	R-PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020823	02/08/2023	320-96707-3	Hydrolyzed PSDA	0.0025	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-24-022023-D	02/20/2023	320-97131-2	R-PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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-24-012323	01/23/2023	320-96311-2	Hydrolyzed PSDA	0.0035	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-013123	01/31/2023	320-96456-2	R-PSDA	0.0040	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-013123	01/31/2023	320-96456-2	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	R-PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Hydrolyzed PSDA	0.0067	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	R-EVE	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020223	02/02/2023	320-96707-1	R-PSDA	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020223	02/02/2023	320-96707-1	Hydrolyzed PSDA	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020223	02/02/2023	320-96707-1	R-EVE	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020623	02/06/2023	320-96707-2	R-PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020623	02/06/2023	320-96707-2	Hydrolyzed PSDA	0.0039	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-020623	02/06/2023	320-96707-2	R-EVE	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-021223	02/12/2023	320-96851-1	Hydrolyzed PSDA	0.0043	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-022023-D	02/20/2023	320-97131-2	Hydrolyzed PSDA	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-24-122922	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 (selected lots)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-012323	320-96311-2	Surface Water	N	01/23/2023	23:01	FS
CFR-TARHEEL-24-012623	320-96456-1	Surface Water	N	01/26/2023	23:01	FS
CFR-TARHEEL-24-022723	320-97428-1	Surface Water	N	02/27/2023	23:01	FS
CFR-TARHEEL-24-030223	320-97428-2	Surface Water	N	03/02/2023	23:01	FS
CFR-TARHEEL-24-030623	320-97830-1	Surface Water	N	03/06/2023	23:01	FS
CFR-TARHEEL-24-030923	320-97830-2	Surface Water	N	03/09/2023	23:01	FS
CFR-TARHEEL-24-031323	320-97830-3	Surface Water	N	03/13/2023	23:01	FS
CFR-TARHEEL-24-031623	320-97997-1	Surface Water	N	03/16/2023	23:01	FS
CFR-TARHEEL-24-032023	320-97997-2	Surface Water	N	03/20/2023	23:15	FS
CFR-TARHEEL-24-032023-D	320-97997-3	Surface Water	N	03/20/2023	23:15	DUP
CFR-TARHEEL-24-032323	320-98446-1	Surface Water	N	03/23/2023	23:01	FS
CFR-TARHEEL-24-032723	320-98446-2	Surface Water	N	03/27/2023	23:01	FS

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

Analytical Protocol

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

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X		
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X		
F	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall, the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

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 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-24-012623	01/26/2023	320-96456-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	R-PSDCA	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-24-012323	01/23/2023	320-96311-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFO5DA	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-24-022723	02/27/2023	320-97428-1	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason 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-24-032023	03/20/2023	320-97997-2	Hfpo Dimer Acid	0.0081	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-032023-D	03/20/2023	320-97997-3	Hfpo Dimer Acid	0.0044	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-24-030223	03/02/2023	320-97428-2	Hydrolyzed PSDA	0.0037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030923	03/09/2023	320-97830-2	R-PSDA	0.0087	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030923	03/09/2023	320-97830-2	Hydrolyzed PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-030923	03/09/2023	320-97830-2	R-EVE	0.0060	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-031623	03/16/2023	320-97997-1	R-PSDA	0.0026	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 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-24-012623	01/26/2023	320-96456-1	R-EVE	0.0025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Perfluoroheptanoic Acid	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	PFO2HxA	0.0063	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	R-PSDA	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Hydrolyzed PSDA	0.0067	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012623	01/26/2023	320-96456-1	Hfpo Dimer Acid	0.022	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-24-012323	01/23/2023	320-96311-2	PFMOAA	0.021	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	NVHOS, Acid Form	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	Perfluoroheptanoic Acid	0.0039	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFO2HxA	0.012	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PFO3OA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	R-PSDA	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	Hydrolyzed PSDA	0.0079	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	PMPA	0.015	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-012323	01/23/2023	320-96311-2	Hfpo Dimer Acid	0.032	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling (selected lots)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-032323	320-98446-1	Surface Water	N	03/23/2023	23:01	FS
CFR-TARHEEL-24-032723	320-98446-2	Surface Water	N	03/27/2023	23:01	FS
CFR-TARHEEL-24-033023	320-98715-1	Surface Water	N	03/30/2023	23:01	FS
CFR-TARHEEL-24-040323	320-98715-2	Surface Water	N	04/03/2023	23:01	FS
CFR-TARHEEL-24-040623	320-98715-3	Surface Water	N	04/06/2023	23:01	FS
CFR-TARHEEL-18-040823	320-98947-1	Surface Water	N	04/08/2023	17:01	FS
CFR-TARHEEL-041023	320-98947-2	Surface Water	N	04/10/2023	13:05	FS
CFR-TARHEEL-041123	320-98947-3	Surface Water	N	04/11/2023	16:30	FS
CFR-TARHEEL-041323	320-98947-4	Surface Water	N	04/13/2023	12:49	FS
CFR-TARHEEL-24-041723	320-99181-1	Surface Water	N	04/17/2023	23:01	FS
CFR-TARHEEL-24-041723-D	320-99181-2	Surface Water	N	04/17/2023	23:01	DUP
CFR-TARHEEL-24-042023	320-99660-1	Surface Water	N	04/20/2023	23:01	FS

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

Analytical Protocol

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

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
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.

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- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

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Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
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UJ	Not detected. Reporting limit may not be accurate or precise.

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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: 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-24-041723	04/17/2023	320-99181-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 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-24-033023	320-98715-1	Surface Water	N	03/30/2023	23:01	FS
CFR-TARHEEL-24-040323	320-98715-2	Surface Water	N	04/03/2023	23:01	FS
CFR-TARHEEL-24-040623	320-98715-3	Surface Water	N	04/06/2023	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				
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.

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Chemours

DVM Narrative Report

Site: Fayetteville **Sampling Program:** Tarheel Sampling, lab lot 320-98715-1 **Validation Options:** LABSTATS

The electronic data submitted for this project was reviewed via the DVM process. The data is acceptable for use without qualification.

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 1Q23

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1Q23-CFR-RM-76-021323	320-96848-1	Surface Water	N	02/13/2023	13:00	FS
CAP1Q23-WC-6-021323	320-96848-2	Surface Water	N	02/13/2023	13:56	FS
CAP1Q23-GBC-5-021323	320-96848-3	Surface Water	N	02/13/2023	15:30	FS
CAP1Q23-OLDOF-1B-021323	320-96848-4	Surface Water	N	02/13/2023	16:10	FS
CAP1Q23-OUTFALL-002-021423	320-96848-5	Surface Water	N	02/14/2023	14:00	FS
CAP1Q23-OUTFALL-002-24-021523	320-96848-6	Surface Water	N	02/15/2023	12:50	FS
RIVER-WATER-INTAKE2-24-021423	320-96848-7	Surface Water	N	02/14/2023	12:01	FS
CAP1Q23-EQBLK-DR-021323	320-96848-8	Blank Water	N	02/13/2023	13:00	EB
CAP1Q23-SEEP-A-EFF-021323	320-96850-1	Surface Water	N	02/13/2023	13:45	FS
CAP1Q23-SEEP-B-EFF-021323	320-96850-2	Surface Water	N	02/13/2023	14:15	FS
CAP1Q23-SEEP-C-EFF-021323	320-96850-3	Surface Water	N	02/13/2023	14:38	FS
CAP1Q23-SEEP-D-EFF-021323	320-96850-4	Surface Water	N	02/13/2023	14:45	FS
CAP1Q23-CFR-TARHEEL-021323	320-96850-5	Surface Water	N	02/13/2023	15:40	FS
CAP1Q23-CFR-TARHEEL-021323-D	320-96850-6	Surface Water	N	02/13/2023	15:40	DUP
CAP1Q23-EQBLK-IS-021323	320-96850-7	Blank Water	N	02/13/2023	13:10	EB
CAP1Q23-CFR-TARHEEL-022223	320-97412-1	Surface Water	N	02/22/2023	13:20	FS
CAP1Q23-CFR-BLADEN-022223	320-97412-2	Surface Water	N	02/22/2023	12:05	FS
CAP1Q23-CFR-KINGS-022423	320-97412-3	Surface Water	N	02/24/2023	11:35	FS
CAP1Q23-WC-1-24-022523	320-97412-4	Surface Water	N	02/25/2023	10:42	FS
CAP1Q23-WC-2-24-022523	320-97412-5	Surface Water	N	02/25/2023	11:09	FS
CAP1Q23-WC-3-24-022523	320-97412-6	Surface Water	N	02/25/2023	11:38	FS

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Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 1Q23
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 1Q23

ADQM Data Review Checklist

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		X	
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X	X	
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q23 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q23-SEEP-D-EFF-021323	02/13/2023	320-96850-4	PFO2HxA	0.0023	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-D-EFF-021323	02/13/2023	320-96850-4	PFMOAA	0.010	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q23 **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
CAP1Q23-CFR-TARHEEL-021323	02/13/2023	320-96850-5	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP1Q23-CFR-TARHEEL-021323	02/13/2023	320-96850-5	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q23 **Validation Options:** LABSTATS

Validation Reason Code: The preparation hold time for this sample was exceeded. The reporting limit may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q23-CFR-BLADEN-022223	02/22/2023	320-97412-2	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP1Q23-CFR-KINGS-022423	02/24/2023	320-97412-3	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP1Q23-CFR-TARHEEL-022223	02/22/2023	320-97412-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q23 **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
CAP1Q23-GBC-5-021323	02/13/2023	320-96848-3	R-PSDA	0.054	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-GBC-5-021323	02/13/2023	320-96848-3	R-EVE	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OUTFALL-002-021423	02/14/2023	320-96848-5	Hydrolyzed PSDA	0.024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OUTFALL-002-24-021523	02/15/2023	320-96848-6	Hydrolyzed PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-A-EFF-021323	02/13/2023	320-96850-1	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-B-EFF-021323	02/13/2023	320-96850-2	R-PSDA	0.0099	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-B-EFF-021323	02/13/2023	320-96850-2	Hydrolyzed PSDA	0.074	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-B-EFF-021323	02/13/2023	320-96850-2	R-EVE	0.0077	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-C-EFF-021323	02/13/2023	320-96850-3	R-PSDA	0.028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-C-EFF-021323	02/13/2023	320-96850-3	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SEEP-C-EFF-021323	02/13/2023	320-96850-3	R-EVE	0.026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-1-24-022523	02/25/2023	320-97412-4	R-PSDA	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-1-24-022523	02/25/2023	320-97412-4	Hydrolyzed PSDA	0.19	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-1-24-022523	02/25/2023	320-97412-4	R-EVE	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-2-24-022523	02/25/2023	320-97412-5	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-2-24-022523	02/25/2023	320-97412-5	Hydrolyzed PSDA	0.028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-2-24-022523	02/25/2023	320-97412-5	R-EVE	0.0096	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-3-24-022523	02/25/2023	320-97412-6	R-PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-3-24-022523	02/25/2023	320-97412-6	R-EVE	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-6-021323	02/13/2023	320-96848-2	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-6-021323	02/13/2023	320-96848-2	Hydrolyzed PSDA	0.11	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-WC-6-021323	02/13/2023	320-96848-2	R-EVE	0.0085	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 1Q23 **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
CAP1Q23-GBC-5-021323	02/13/2023	320-96848-3	PFOS	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535
CAP1Q23-WC-6-021323	02/13/2023	320-96848-2	PFOS	0.0023	UG/L	PQL		0.0020	J	537 Modified		3535
CAP1Q23-WC-6-021323	02/13/2023	320-96848-2	Perfluorohexanoic Acid	0.0021	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 1Q23

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP1Q23-BLADEN-1D-R-021423	320-96856-1	Groundwater	N	02/14/2023	14:10	FS
CAP1Q23-PW-06-021423	320-96856-2	Groundwater	N	02/14/2023	15:50	FS
CAP1Q23-PW-06-021423-D	320-96856-3	Groundwater	N	02/14/2023	15:50	DUP
CAP1Q23-OW-33-021423	320-96856-4	Groundwater	N	02/14/2023	15:58	FS
CAP1Q23-EQBLK-PP-021423	320-96856-5	Blank Water	N	02/14/2023	14:30	EB
CAP1Q23-OW-30-021523	320-96926-1	Groundwater	N	02/15/2023	11:35	FS
CAP1Q23-OW-40-021523	320-96926-2	Groundwater	N	02/15/2023	13:08	FS
CAP1Q23-OW-57-021523	320-96926-3	Groundwater	N	02/15/2023	16:10	FS
CAP1Q23-LTW-05-021523	320-96926-4	Groundwater	N	02/15/2023	11:25	FS
CAP1Q23-PIW-7D-021523	320-96926-5	Groundwater	N	02/15/2023	14:55	FS
CAP1Q23-PIW-7S-021523	320-96926-6	Groundwater	N	02/15/2023	15:55	FS
CAP1Q23-EQBLK-DV-021723	320-96926-7	Blank Water	N	02/17/2023	10:40	EB
CAP1Q23-OW-54-021623	320-96927-1	Groundwater	N	02/16/2023	13:45	FS
CAP1Q23-OW-55-021623	320-96927-2	Groundwater	N	02/16/2023	15:32	FS
CAP1Q23-LTW-01-021623	320-96927-3	Groundwater	N	02/16/2023	09:50	FS
CAP1Q23-LTW-02-021623	320-96927-4	Groundwater	N	02/16/2023	11:55	FS
CAP1Q23-PIW-1S-021623	320-96927-5	Groundwater	N	02/16/2023	14:30	FS
CAP1Q23-PIW-1D-021623	320-96927-6	Groundwater	N	02/16/2023	16:15	FS
CAP1Q23-PIW-3D-021623	320-96927-7	Groundwater	N	02/16/2023	13:10	FS
CAP1Q23-LTW-03-022123	320-97053-1	Groundwater	N	02/21/2023	13:25	FS
CAP1Q23-LTW-04-021723	320-97053-2	Groundwater	N	02/17/2023	10:50	FS
CAP1Q23-OW-28-022023	320-97053-3	Groundwater	N	02/20/2023	13:10	FS
CAP1Q23-OW-56-022123	320-97053-4	Groundwater	N	02/21/2023	16:05	FS
CAP1Q23-PZ-22-022023	320-97053-5	Groundwater	N	02/20/2023	15:35	FS
CAP1Q23-PW-09-022023	320-97056-1	Groundwater	N	02/20/2023	16:05	FS
CAP1Q23-PW-09-022023-Z	320-97056-2	Groundwater	Y	02/20/2023	16:05	FS
CAP1Q23-EQBLK-PP-022223	320-97056-3	Blank Water	N	02/22/2023	13:25	EB
CAP1Q23-EQBLK-DV-022223	320-97056-4	Blank Water	N	02/22/2023	16:00	EB
CAP1Q23-EQBLK-DV-022223-Z	320-97056-5	Blank Water	Y	02/22/2023	16:00	EB
CAP1Q23-SMW-10-022323	320-97134-1	Groundwater	N	02/23/2023	14:32	FS
CAP1Q23-SMW-11-022323	320-97134-2	Groundwater	N	02/23/2023	10:33	FS
CAP1Q23-SMW-11-022323-D	320-97134-3	Groundwater	N	02/23/2023	10:33	DUP
CAP1Q23-SMW-12-022323	320-97134-4	Groundwater	N	02/23/2023	11:55	FS
CAP1Q23-PW-04-022323	320-97134-5	Groundwater	N	02/23/2023	11:02	FS
CAP1Q23-PW-04-022323-Z	320-97134-6	Groundwater	Y	02/23/2023	11:02	FS
CAP1Q23-EQBLK-BAILER-022323	320-97134-7	Blank Water	N	02/23/2023	16:00	EB
CAP1Q23-SMW-05PR-030223	320-97412-7	Groundwater	N	03/02/2023	11:15	FS
CAP1Q23-CUMBERLAND-5DR-030223	320-97412-8	Groundwater	N	03/02/2023	13:55	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 1Q23
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 1Q23

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	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 GW Sampling 1Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP1Q23-SMW-05PR-030223	03/02/2023	320-97412-7	Hfpo Dimer Acid	75000	UG/L	PQL		8.1	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-PW-06-021423	02/14/2023	320-96856-2	PFO3OA	0.13	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PW-06-021423-D	02/14/2023	320-96856-3	PFO3OA	0.17	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PW-06-021423-D	02/14/2023	320-96856-3	PFMOAA	0.19	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-11-022323	02/23/2023	320-97134-2	R-PSDA	0.17	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-11-022323-D	02/23/2023	320-97134-3	R-PSDA	0.27	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-BLADEN-1D-R-021423	02/14/2023	320-96856-1	R-PSDA	0.0095	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-BLADEN-1D-R-021423	02/14/2023	320-96856-1	R-EVE	0.0044	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-33-021423	02/14/2023	320-96856-4	R-PSDA	0.28	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-33-021423	02/14/2023	320-96856-4	R-EVE	0.13	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-05-021523	02/15/2023	320-96926-4	R-PSDA	0.49	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-05-021523	02/15/2023	320-96926-4	Hydrolyzed PSDA	0.88	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-05-021523	02/15/2023	320-96926-4	R-EVE	0.61	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-30-021523	02/15/2023	320-96926-1	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-30-021523	02/15/2023	320-96926-1	Hydrolyzed PSDA	0.76	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-30-021523	02/15/2023	320-96926-1	R-EVE	0.41	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-40-021523	02/15/2023	320-96926-2	Hydrolyzed PSDA	0.16	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-40-021523	02/15/2023	320-96926-2	R-EVE	0.17	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-57-021523	02/15/2023	320-96926-3	R-PSDA	0.97	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-57-021523	02/15/2023	320-96926-3	Hydrolyzed PSDA	16	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-57-021523	02/15/2023	320-96926-3	R-EVE	0.24	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-7D-021523	02/15/2023	320-96926-5	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-7D-021523	02/15/2023	320-96926-5	Hydrolyzed PSDA	1.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-7D-021523	02/15/2023	320-96926-5	R-EVE	0.87	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-7S-021523	02/15/2023	320-96926-6	R-PSDA	1.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-7S-021523	02/15/2023	320-96926-6	R-EVE	1.4	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-01-021623	02/16/2023	320-96927-3	R-PSDA	0.96	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-01-021623	02/16/2023	320-96927-3	Hydrolyzed PSDA	0.56	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-01-021623	02/16/2023	320-96927-3	R-EVE	0.55	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-LTW-02-021623	02/16/2023	320-96927-4	Hydrolyzed PSDA	0.27	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-55-021623	02/16/2023	320-96927-2	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-1D-021623	02/16/2023	320-96927-6	R-PSDA	0.33	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-1D-021623	02/16/2023	320-96927-6	R-EVE	0.19	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-1S-021623	02/16/2023	320-96927-5	R-EVE	0.18	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-3D-021623	02/16/2023	320-96927-7	R-PSDA	0.52	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PIW-3D-021623	02/16/2023	320-96927-7	R-EVE	0.22	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-03-022123	02/21/2023	320-97053-1	R-PSDA	1.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-03-022123	02/21/2023	320-97053-1	Hydrolyzed PSDA	7.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-03-022123	02/21/2023	320-97053-1	R-EVE	0.52	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-04-021723	02/17/2023	320-97053-2	R-PSDA	2.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-04-021723	02/17/2023	320-97053-2	Hydrolyzed PSDA	4.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-LTW-04-021723	02/17/2023	320-97053-2	R-EVE	2.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-28-022023	02/20/2023	320-97053-3	R-PSDA	0.34	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-28-022023	02/20/2023	320-97053-3	R-EVE	0.19	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-56-022123	02/21/2023	320-97053-4	R-PSDA	0.31	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-OW-56-022123	02/21/2023	320-97053-4	R-EVE	0.19	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PZ-22-022023	02/20/2023	320-97053-5	R-PSDA	0.54	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PZ-22-022023	02/20/2023	320-97053-5	Hydrolyzed PSDA	0.89	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PZ-22-022023	02/20/2023	320-97053-5	R-EVE	0.45	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-PW-04-022323	02/23/2023	320-97134-5	R-PSDA	0.16	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-05PR-030223	03/02/2023	320-97412-7	Hydrolyzed PSDA	65	UG/L	PQL		3.8	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-11-022323	02/23/2023	320-97134-2	Hydrolyzed PSDA	0.044	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-SMW-11-022323	02/23/2023	320-97134-2	R-EVE	0.12	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-11-022323-D	02/23/2023	320-97134-3	Hydrolyzed PSDA	0.052	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-11-022323-D	02/23/2023	320-97134-3	R-EVE	0.12	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-12-022323	02/23/2023	320-97134-4	R-PSDA	0.15	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP1Q23-SMW-12-022323	02/23/2023	320-97134-4	R-EVE	0.097	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-PIW-7S-021523	02/15/2023	320-96926-6	PFOS	0.0064	UG/L	PQL		0.0020	J	537 Modified		3535
CAP1Q23-LTW-01-021623	02/16/2023	320-96927-3	PFOS	0.0099	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 1Q23 **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
CAP1Q23-PW-06-021423	02/14/2023	320-96856-2	Perfluorobutanoic Acid	0.010	UG/L	PQL		0.0050	J	537 Modified		3535