Appendix A

Cape Fear River PFAS Mass Loading Model

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1 INTRODUCTION AND OBJECTIVE

The objective of this appendix is to summarize the estimation of 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). The following sections describe the transport pathways, the results from the mass loading model, and the limitations of the mass loading model. Supporting tables for the mass loading model are provided in Attachment ATT1.

The one-year period of monthly sampling of the mass loading model pathways per Consent Order (CO) Paragraph 1(b) was completed in December 2021. Quarterly sample collection was initiated in January 2022 and will continue for a period of 4 years (through Q4 2025) (Geosyntec, 2020a).

1.1 Mass Loading Model Transport Pathways

The nine potential pathways representing compartments to the mass loading model were identified as potential contributors of PFAS to river PFAS concentrations (Geosyntec, 2020a). Remedies have been implemented to capture PFAS and prevent PFAS from reaching the Cape Fear River at five of the nine pathways. In addition, these remedies have had a positive effect on reducing PFAS from the remaining pathways without remedies in place (e.g., the Thermal Oxidizer reduces aerial deposition [Transport Pathway 3] which also reduces deposition on Willis Creek [Transport Pathway 2]). The pathways are described below:

- **Transport Pathway 1**: Upstream Cape Fear River and Groundwater – This pathway is comprised of contributions from non-Chemours related PFAS sources on the Cape Fear River and tributaries upstream of the Site, and upstream offsite groundwater with PFAS present from aerial deposition.
- **Transport Pathway 2**: Willis Creek – Groundwater and stormwater discharge and aerial deposition to Willis Creek and then to the Cape Fear River.
- **Transport Pathway 3 (Remedy: Thermal Oxidizer and Carbon Bed Air Emission Treatment)**: Direct aerial deposition of PFAS on the Cape Fear River (see Attachment ATT2 for further details).
- **Transport Pathway 4 (Remedy: Stormwater Capture and Treatment in the Monomers IXM Manufacturing Area)**: Outfall 002 – Comprised of (i) water drawn from the Cape Fear River and used as non-contact cooling water, (ii) treated non-Chemours process water, (iii) Site stormwater, (iv) steam condensate, and (v) power neutralization discharge, which are then discharged through Outfall 002.
- **Transport Pathway 5 (Remedy: Barrier Wall and Groundwater Extraction Treatment)**: Onsite Groundwater – Direct upwelling of onsite groundwater to the Cape Fear River from the Black Creek Aquifer. Additional details are provided in Attachment ATT3.

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

For the Q2 2025 mass loading model assessment, data sources used as model inputs for each potential pathway are described in Table A1.

2 SAMPLING ACTIVITIES AND LABORATORY ANALYSIS

The mass loading model sampling program for this reporting period consisted of collecting concentration and flow data from the various PFAS transport pathways during the reporting period (April 2025). As per Paragraph 1(b) of the CO Addendum, this sampling event was conducted during a wet weather event (i.e., rain event: >0.5 inches of rainfall within a 24-hour period prior to the sampling program), and the river stages and flows measured at W.O. Huske were much higher than previous dry weather events.

A total of 37 water samples were collected this quarter, which includes surface water (seep, creeks, Outfall 003 Stream, Outfall 002, and Cape Fear River) and groundwater. The sample collection, field parameters, 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).

2.1 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.

2.2 Surface Water Sample Collection

A total of 15 primary samples were collected from April 8 to 9, 2025. The sampling event occurred during a wet event (>0.5 inches of rainfall), where the river stage reached 33.93 feet NAVD88 elevation and 11,000 feet per second (ft^3/s or cfs). Below is a list of deviations from the sampling program:

- Seep B and D effluents were not sampled because they were dry during the sampling event.
- The location for Outfall 003 stream was offset upstream due to high water level.

The three downstream samples along the Cape Fear River (Bladen Bluffs, Tar Heel, and Kings Bluff) were also sampled after the wet weather event when the river was under dry conditions, from April 29 to May 2, 2025.

2.3 Lock and Dam Seep Sampling

The Lock and Dam Seep and Lock and Dam North were sampled this quarter during the mass loading model sampling program (April 8, 2025), as shown in the photos below (left: Lock and Dam Seep; right: Lock and Dam North):

2.4 Water Levels and Groundwater Sample Collection

One synoptic water level survey of the onsite groundwater monitoring well network was completed on April 1, 2025 (Table A3). From April 3 to 17, 2025, groundwater samples were collected from 21 locations, including 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, 2019a). The groundwater field parameters are provided in Table A4.

2.5 Laboratory Analyses

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

3 PFAS ANALYTICAL RESULTS

The analytical results from samples during the Q2 2025 surface water and groundwater sampling events are presented in Tables A5 and A6, respectively. During this sampling event, all samples were within the acceptable temperature requirements for preservation during storage and shipping (i.e., between not frozen to 6°C with a target of 4°C) as outlined in the Chemours PFAS Program QAPP (AECOM, 2018). 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.

3.1 Data Validation

Laboratory analytical data for the samples collected during the Q2 2025 reporting period were reviewed using the Data Verification Module (DVM) within the Locus™ Environmental Information Management (EIM) system, a commercial data management software program. Following the DVM process, a manual review of the data was conducted. The DVM and the manual review results were combined in a DVM narrative report for each set of sample results which is consistent with Stage 2b of the *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (USEPA, 2009). The DVM 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 QA/QC samples
- Matrix spike/matrix spike duplicate recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample/laboratory control sample duplicate recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs

A manual review of the data was also conducted, which included visual inspection of sample chromatograms for appropriate integration and retention time, verification that detections in field or equipment blanks have been applied to all applicable samples, and review of temperature requirements for sample preservation during storage and shipping. Based on the results of the DVM plus manual review, the following data evaluation qualifiers were applied 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 DVM narrative reports are provided in Appendix D. Overall, the DQOs were met for accuracy and precision. During this sampling event, samples were within the acceptable temperature requirements for preservation during storage and shipping (i.e., between not frozen to 6°C with a target of 4°C) as outlined in the Chemours PFAS Program QAPP (AECOM, 2018). The data collected are believed to be complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE; matrix interference studies have shown that quantitation these compounds is inaccurate due to interferences by the sample matrix (Geosyntec, 2020b). Results for these three analytes are J-qualified as estimated.

3.2 Surface Water PFAS Analytical Results

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

- Two equipment blanks were collected on April 9, 2025. PFAS were not detected above associated reporting limits in these equipment blanks.
- Field duplicates were not collected among the surface and seep water samples in this mass loading model sampling program. Instead, a field duplicate was collected for a location from the CFR Long-Term remedy performance monitoring program that was sampled in conjunction with this mass loading model sampling program (WC-3), and they had relative percent differences of less than 30% for the reported compounds (Geosyntec, 2025a). The analytical results for those primary and duplicate samples are provided in *CFR Long-Term Remedy Performance Monitoring Report #10 (Q2 2025)* (Geosyntec 2025a).

Analytical results for the seep, surface, and river water samples are summarized in Table A5 (Table 3+) and Attachment Table ATT1-11 (Mod 537). Figure A1 shows the Total Table 3+ (17 compounds) concentrations reported for samples collected in Q2 2025 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 13 ng/L (upstream sample at CFR MILE 76 on April 8, 2025) to 32 ng/L (downstream sample at CFR-KINGS on May 2, 2025).

For the creeks, the Total Table 3+ (17 compounds) concentrations were 660 ng/L and 1,100 ng/L at Willis Creek and Georgia Branch, respectively. These concentrations are within the range of concentrations observed during previous events (Geosyntec: 2020b,c,d; 2021a,b,c,d; 2022a,b,c,d; 2023a,b,c,d; 2024a,b,c,d; 2025b,c).

Among the other surface water sampling locations Total Table 3+ (17 compounds) concentrations ranged from 11 ng/L to 61,000 ng/L during this Mass Loading model sampling event, which are within the range of concentrations observed during previous events (Geosyntec: 2020b,c,d; 2021a,b,c,d; 2022a,b,c,d; 2023a,b,c,d; 2024a,b,c,d; 2025b,c). The analytical results for the Seeps influent and effluent collected for the FTC performance monitoring this quarter are not included in this report but are provided in *CFR Long-Term Remedy Performance Monitoring Report #10 (Q2 2025)* (Geosyntec, 2025a).

Figure A3 shows the HFPO-DA concentrations in the four near-site/downstream river sampling locations. HFPO-DA concentrations were either below 10 ng/L or non-detect (i.e., below the associated reporting limits) (CFR-MILE 76 on April 8, 2025; CFR-TARHEEL on April 9 and 29, 2025; CFR-BLADEN on April 29, 2025; and CFR-KINGS on May 2, 2025).

3.3 Groundwater PFAS Analytical Results

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

- Four 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.
- Two field duplicates were collected in Q2 2025 at OW-28 and BLADEN-1DR on April 3 and 17, 2025, respectively. The relative percent differences between the primary and duplicate samples were less than 30% for the reported compounds or sufficiently close in proximity to the reporting limit.

Individual PFAS and Total PFAS concentrations for the groundwater samples collected in this quarter are summarized in Tables A6 (Table 3+), Attachment Table ATT1-12 (Mod 537), and Figure A4. Total Table 3+ (17 compounds) concentrations ranged from 16 ng/L (PW-09) to 270,000 ng/L (LTW-05). In general, the next highest concentrations were observed in the LTW, PZ, and PIW wells near the mouths of the seeps adjacent to the river (Figure A4).

On an aquifer basis, lower individual and Total Table 3+ (17 compounds) concentrations are observed in wells screened in the Surficial Aquifer. The results from this quarter monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec: 2020b,c,d; 2021a,b,c,d; 2022a,b,c,d; 2023a,b,c,d; 2024a,b,c,d; 2025b,c).

3.4 Groundwater Elevations

Groundwater elevations were calculated for onsite and offsite wells screened in the Perched Zone, Surficial Aquifer, and Black Creek Aquifer from the synoptic water level measurement survey performed in April 2025 (Table A4). Groundwater elevations from these synoptic water levels are presented on the Perched Zone, Surficial Aquifer, and Black Creek Aquifer maps (Figures A5-1, A5-2, and A5-3, respectively).

4 MASS LOADING MODEL ASSESSMENT

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

4.1 Model-Estimated PFAS Mass Discharge

This quarter's mass loading model sampling event was completed during a wet weather event, which was the third wet weather event since the implementation of the groundwater extraction system and barrier wall remedy. The model-estimated Total Table 3+ (17 compounds) mass discharge from the potential transport pathways during Q2 2025 is 2.78 mg/s (Attachment ATT1 Table ATT1-13) and represents the mass discharge estimated downgradient of the remedies (i.e., after the water passes through the remedies, "after remedies"), which is within the range of previous wet weather events (0.88 mg/s to 11.2 mg/s) (Geosyntec: 2021a; 2021d; 2023b; 2023d; 2024c). This mass discharge value is within the low end of the historical "after remedies" mass discharge estimates from mass loading model events prior to the operation of the groundwater extraction system (historical "after remedies" prior to operation of groundwater extraction system ranged from 2.3 to 24 mg/s) (Geosyntec: 2019b; 2020b,c,d; 2021a; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d; 2023a).

4.2 Comparison of Before Remedies and Current PFAS Mass Discharge

This section compares Q2 2025 mass discharge values downgradient of the remedies (i.e., after the water passes through the remedies, "after remedies") to mass discharge values from past quarters upgradient of the remedies (i.e., before the water passes through the remedies, "before remedies", or where no remedies were implemented) (Geosyntec: 2019b; 2020b; 2020c; 2020d; 2021a; 2021b; 2021c; 2021d; 2021e; 2022b; 2022c; 2022d; 2023a). The in-text table and figure below summarize the historical before remedies Total Table 3+ (17 compounds) mass discharge from Q3 2020 to Q4 2022 and the after remedies mass discharge for this quarter. The pathways with remedies (Seeps, Outfall 003 Stream, Outfall 002, and onsite groundwater) have substantially lower mass discharges, i.e., lower contributions to total mass discharge to the river, than the historical before remedies mass discharges. For the remaining transport pathways, mass discharges have either reduced since the implementation of the remedies, e.g., Willis Creek (as discussed in *CFR Long-Term Remedy Performance Monitoring Report #10 (Q2 2025);* Geosyntec, 2025a), or are within the range of previous values.

The in-text table and figures indicate the following major findings:

1. The Q2 2025 mass discharges to the Cape Fear River from each pathway were either equivalent to historical levels or significantly lower.

2. The pathways with remedies (Seeps, Outfall 003 Stream, and Onsite Groundwater) all showed a significant mass discharge decrease in Q2 2025 compared to historical, pre-remediation ranges.

3. The mass discharge of 0.84 mg/s for Willis Creek was at the higher end of the range of "historical before remedies" mass discharge, due to the higher flows observed at Willis Creek as a result to the wet event; even though the concentration (660 ng/L) was the lowest out of the previous wet weather events (690 ng/L to 1,400 ng/L; Geosyntec: 2021a; 2021d; 2023b; 2023d; 2024c).

4. The mass discharge of 0.38 mg/s for Georgia Branch Creek was within the range of "historical before remedies" mass discharge, due to the higher flows observed at Georgia Branch Creek as a result to the wet event; even though the concentration (1,100 ng/L) was lower than previous wet weather events (1,300 ng/L to 2,100 ng/L; Geosyntec: 2021a; 2021d; 2023b; 2023d; 2024c).

5. Although the relative contributions from Willis Creek and Georgia Branch Creek were higher than the other transport pathways, the following should be considered:

    - The overall total continues to be low when compared to the range of the "historical before remedies" totals.

    - The mass discharges from Willis Creek and Georgia Branch Creek were consistent with the range of historical mass discharge values. In addition, the mass discharge values for Willis Creek and Georgia Branch Creek from this quarter were similar to the historical values from Q2 2021 (June 2021) of 0.90 mg/s and 0.41 mg/s, respectively, which corresponded to a low "before remedies" relative contributions of 7% and 6%, respectively (Geosyntec, 2021c).

    - Since the mass discharges from the pathways with remedies have significantly decreased (Seeps FTCs, Outfall 003, onsite groundwater), and since the total mass discharge entering the Cape Fear River has also decreased, the "after remedies" relative contribution percentages for Willis Creek and Georgia Branch Creek would subsequently be higher. Thus using "after remedies" contributions may be misleading because it does not take into consideration the decrease in pathways with remedies and the overall decrease of Total Table 3+ (17 compounds) mass entering the river.

6. The total mass discharge to the Cape Fear River from the Site is within the lower end of the range of historical "before remedies" mass discharges.

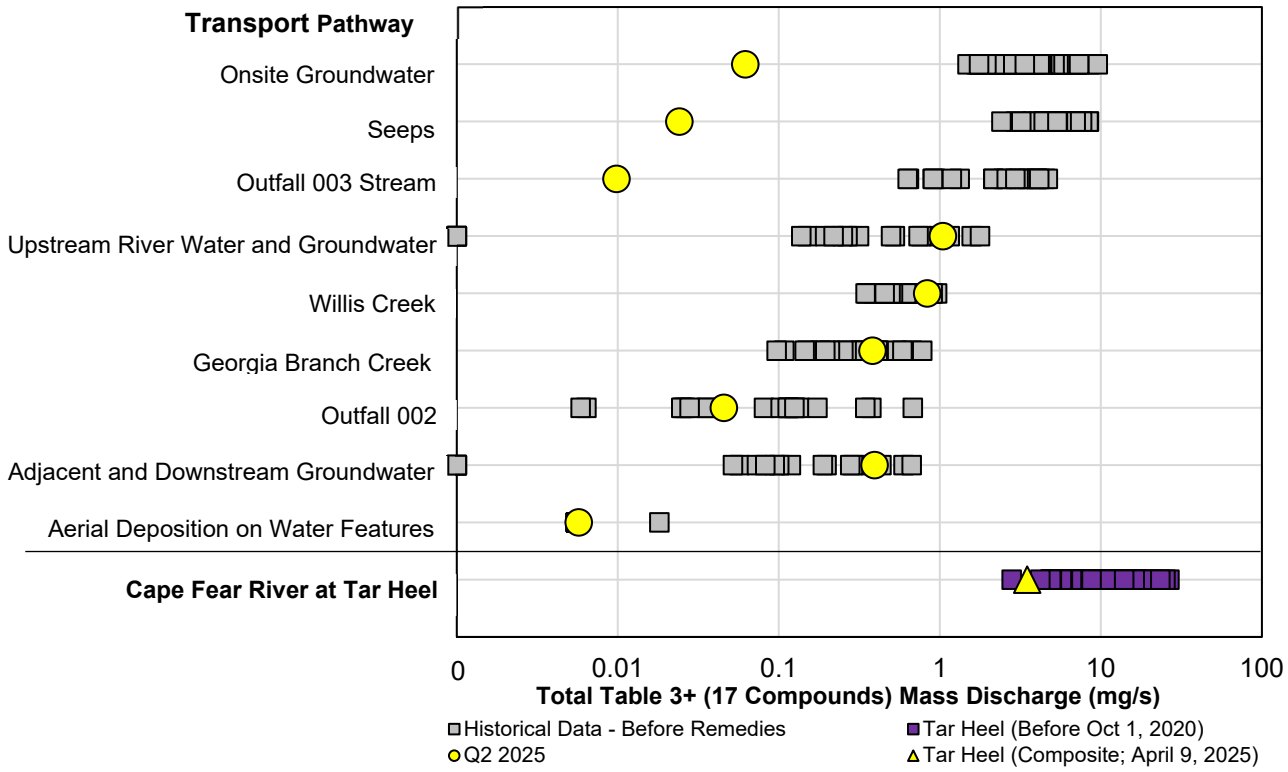
Appendix A: Cape Fear River PFAS Mass Loading Model

Model Transport Pathway	Historical Before Remedies Total Table 3+ (17 Compounds) Mass Discharge (mg/s)[1]			Q2 2025 Total Table 3+ (17 Compounds) Mass Discharge (mg/s)
	Min	Median	Max	
Aerial Deposition	0.01	0.01	0.02	0.01
Upstream River and Groundwater	0	0.27	4.5	1.03
Willis Creek	0.31	0.57	0.96	0.84
Seeps	3.0	5.4	8.4	0.02
Onsite Groundwater	1.5	3.6	9.6	0.06
Outfall 002	0.006	0.10	0.68	0.04
Georgia Branch Creek	0.10	0.32	0.78	0.38
Outfall 003 Stream	0.63	2.5	4.7	0.01
Offsite Groundwater	0	0.10	1.7	0.39
Total[2]	**6.7**	**14**	**24**	**2.78**

1 – Historical Before remedies mass discharge values taken from mass loading model assessments pre-dated the installation of the groundwater extraction and barrier wall remedy which significantly altered the hydrologic conditions at site.

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

Appendix A: Cape Fear River PFAS Mass Loading Model



4.3 Variability in Input Parameters

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

5 SUMMARY

The objective of the mass loading model assessments is to provide PFAS mass discharge estimates for a 'snapshot' in time. In Q2 2025, 37 water samples collected from the PFAS transport pathways (seeps, creeks, Outfall 003 Stream, Outfall 002, groundwater) during a wet weather event were used to estimate the mass discharge to the Cape Fear River. The model-estimated Total Table 3+ (17 compounds) mass discharge from the potential transport pathways during Q2 2025 is 2.78 mg/s.

The mass discharge continues to be less than the after remedies mass discharge estimates from mass loading model events prior to the operation of the groundwater extraction system. The implementation of remedies (i.e., Outfall 003 treatment system, Seeps FTCs, and the groundwater extraction and barrier wall remedy) for the three transport pathways (Outfall 003, Seeps and Onsite Groundwater) that historically contributed the bulk of PFAS mass load correspond to a significant mass discharge decrease in Q2 2025 compared to historical, pre-remediation ranges. For the remaining transport pathways, mass discharges have either reduced since the implementation of the remedies, e.g., Willis Creek (as discussed in *CFR Long-Term Remedy Performance Monitoring Report #10 (Q2 2025);* Geosyntec, 2025a), or are within the range of previous values. Quarterly sample collection and evaluation will continue through Q4 2025. The data will continue to be incorporated into the mass loading model to estimate mass discharge to the Cape Fear River.

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

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

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

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

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Geosyntec 2023d. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2023 Report, Chemours Fayetteville Works. December 22, 2023.

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List of Attachments:

ATT1: Supplemental Tables to the Mass Loading Model

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

ATT3: Supporting Calculations – Onsite Groundwater Pathway

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

Transport Pathway Number	Potential PFAS Transport Pathway	Analytical Data Source for Mass Loading Model[1]	Flow Data Source for Mass Loading Model[1]
1	Upstream River and Groundwater	Measured from Cape Fear River Mile 76 samples collected in April 2025 as reported in Table A5.	Measured flow rates from USGS gauging station at W.O. Huske Dam during April 2025 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 April 2025 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during April 2025 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 April 2025 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 April 2025 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, D, Lock and Dam Seep, and Lock and Dam North samples collected in April 2025 as reported in Table A5.	Measured flow rates through bucket and time for Lock and Dam Seep and Lock and Dam North during April 2025 as reported in Appendix C. Flow-Through Cell flow data for Seeps A, B, C and D were used as the flumes were decommisioned following Q2 2022 CAP sampling event. No flow was observed at Seeps A, B, and D.
7	Outfall 003 Stream	Measured from Outfall 003 Stream samples collected in April 2025 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during April 2025 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 April 2025 as reported in Table A5.	Measured flow rates through Marsh-McBirney method during April 2025 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 - Q2 2025
Chemours Fayetteville Works, North Carolina

Pathway / Location	Location ID	Location Description	Sample ID	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	CAP2Q25-CFR-RM-76-040825	4/8/2025 9:20	Grab	0	7.70	7.70	125.40	8.98	449.60	19.52	USGS Data[4]	2,799
Willis Creek	WC-1	Mouth of Willis Creek	CAP2Q25-WC-1-24-040925	4/8/2025 9:30	Grab	0	7.20	9.04	65.60	63.30	336.23	16.38	Marsh-McBirney Flow	45
Intake River Water at Facility	INTAKE AT FACILITY	Water Drawn Through the Intake Sampled at the Power Area at the Site	RIVER-WATER-INTAKE-24-040925	4/8/2025 11:03	Composite	24	7.20	8.29	100.90	25.60	248.10	20.69	Facility DMRs	28
Outfall 002	OUTFALL-002	Upstream of Outfall 002 in open channel	CAP2Q25-OUTFALL-002-24-040925	4/8/2025 12:50	Composite	24	7.39	9.39	124.00	43.50	206.45	22.08	Facility DMRs	32
Stormwater Treatment System[3]	STS DISCHARGE	Monomers/IXM Stormwater Treatment System Effluent	--	--	--	--	--	--	--	--	--	--	--	--
Seep A	SEEP-A	Effluent Basin of Seep A FTC	CAP2Q25-SEEP-A-24-040925	4/8/2025 13:26	Composite	24	4.35	2.97	403.70	20.00	445.56	21.68	FTC[5]	0.18
Seep B	SEEP-B	Effluent Basin of Seep B FTC	--	--	--	--	--	--	--	--	--	--	--	--
Seep C	SEEP-C	Effluent Basin of Seep C FTC	CAP2Q25-SEEP-C-24-040925	4/8/2025 13:06	Composite	24	7.39	5.14	122.10	23.10	502.97	22.33	FTC[5]	0.042
Seep D	SEEP-D	Effluent Basin of Seep D FTC	--	--	--	--	--	--	--	--	--	--	--	--
Lock and Dam Seep	LOCK-DAM-SEEP	Southside of the boat ramp at the Lock and Dam Seep	CAP2Q25-LOCK-DAM-SEEP-040825	4/8/2025 12:51	Grab	0	6.67	4.36	231.40	76.60	254.29	20.78	Bottle and Stopwatch	0.013
Lock and Dam North	LOCK-DAM-NORTH	Northside of the boat ramp at the Lock and Dam Seep	CAP2Q25-LOCK-DAM-NORTH-040825	4/8/2025 13:05	Grab	0	5.82	5.77	260.10	29.00	192.20	20.92	Bottle and Stopwatch	0.0021
Outfall 003 Stream	OLDOF-2	Mouth of Outfall 003 stream	CAP2Q25-OLDOF-2-24-040925	4/82025 11:21:00 AM	Composite	24	7.00	8.81	36.00	21.20	652.46	18.85	Marsh-McBirney Flow	0.22
Georgia Branch Creek	GBC-1	Mouth of Georgia Branch Creek	CAP2Q25-GBC-1-040825	4/8/2025 13:36	Grab	0	4.92	8.98	127.60	11.84	98.65	20.85	Marsh-McBirney Flow	12
Tar Heel Ferry Road Bridge	CFR-TARHEEL	Cape Fear River at Tar Heel Ferry Road Bridge	CAP2Q25-CFR-TARHEEL-24-040925	4/9/2025 11:15	Composite	24	7.19	7.66	129.80	25.60	135.71	20.68	USGS Data[6]	5,349
			CAP2Q25-CFR-TARHEEL-040925	4/9/2025 9:02	Grab	0	7.18	7.85	172.10	16.18	193.93	15.91	USGS Data[6]	5,160
			CAP2Q25-CFR-TARHEEL-042925	4/29/2025 16:15	Grab	0	6.69	7.82	94.60	24.30	136.93	26.80	USGS Data[6]	1,450
Bladen Bluffs	CFR-BLADEN	Cape Fear River at Bladen Bluffs	CAP2Q25-CFR-BLADEN-042925	4/29/2025 12:00	Grab	0	6.81	7.83	115.10	22.20	153.31	27.77	USGS Data[7]	1,440
Kings Bluffs	CFR-KINGS	Cape Fear River at Kings Bluff Raw Water	CAP2Q25-CFR-KINGS-050225	5/2/2025 10:10	Grab	0	7.53	7.02	-7.50	23.90	226.82	24.69	USGS Data[8]	1,170

Notes:

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

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

3 - The Stormwater Treatment System (SWTS) samples are collected over the typical daily operation period. During the October 2024 sampling event there was no stormwater flow to the stormwater treatment system.

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

6 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Tar Heel Ferry Road Bridge during grab sample collection.

7 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Bladen Bluff during sample collection.

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

-- - 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 - Q2 2025
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	04/01/25	399779.96	2050662.48	91-101	146.25	66.04	80.21
Onsite	Black Creek Aquifer	BCA-02	04/01/25	396242.02	2051062.07	92-102	148.37	78.12	70.25
Onsite	Black Creek Aquifer	BCA-03R	04/01/25	398582.23	2049522.22	88-98	150.82	55.76	95.06
Onsite	Black Creek Aquifer	BCA-04	04/01/25	395877.67	2047823.03	94-104	150.31	33.12	117.19
Offsite	Black Creek Aquifer	BLADEN-1DR	04/01/25	387522.25	2050247.40	NM	76.54	19.45	57.09
Offsite	Surficial Aquifer	BLADEN-1S	04/01/25	387518.97	2050233.35	5-10	76.74	10.15	66.59
Offsite	Black Creek Aquifer	BLADEN-2D	04/01/25	368827.09	2042878.34	70-75	138.27	17.63	120.64
Offsite	Surficial Aquifer	BLADEN-2S	04/01/25	368821.46	2042882.92	10-20	138.04	5.67	132.37
Offsite	Black Creek Aquifer	BLADEN-3D	04/01/25	396856.98	2059006.56	33.75-43.75	75.52	9.61	65.91
Offsite	Surficial Aquifer	BLADEN-3S	04/01/25	396862.31	2059012.93	5-15	74.27	6.65	67.62
Offsite	Black Creek Aquifer	BLADEN-4D	04/01/25	363255.12	2087636.87	46.75-51.75	59.66	0.82	58.84
Offsite	Surficial Aquifer	BLADEN-4S	04/01/25	363263.19	2087637.46	4.75-14.75	59.68	5.18	54.50
Offsite	Black Creek Aquifer	CUMBERLAND-1D	04/01/25	431459.95	2011071.39	40-50	174.60	3.95	170.65
Offsite	Surficial Aquifer	CUMBERLAND-1S	04/01/25	431459.95	2011071.39	15-25	174.73	3.71	171.02
Offsite	Black Creek Aquifer	CUMBERLAND-2D	04/01/25	449987.54	2074019.14	47-57	129.23	3.50	125.73
Offsite	Surficial Aquifer	CUMBERLAND-2S	04/01/25	449979.10	2074020.86	7-17	129.06	3.38	125.68
Offsite	Black Creek Aquifer	CUMBERLAND-3D	04/01/25	423248.12	2060409.16	22-27	78.79	6.96	71.83
Offsite	Surficial Aquifer	CUMBERLAND-3S	04/01/25	423254.64	2060413.30	9-14	79.06	6.72	72.34
Offsite	Black Creek Aquifer	CUMBERLAND-4D	04/01/25	413095.77	2078249.95	57-67	119.22	13.22	106.00
Offsite	Surficial Aquifer	CUMBERLAND-4S	04/01/25	413086.63	2078255.53	10-20	119.36	6.70	112.66
Offsite	Black Creek Aquifer	CUMBERLAND-5DR	04/01/25	405619.17	2138238.59	NM	106.67	7.60	99.15
Offsite	Surficial Aquifer	CUMBERLAND-5S	04/01/25	405623.27	2138233.37	14-24	106.65	3.01	103.64
Onsite	Black Creek Aquifer	EW-1	NM	399934.65	2051297.51	40-60	91.33	NM	NM
Onsite	Black Creek Aquifer	EW-2	NM	396164.48	2052232.61	40-65	77.25	NM	NM
Onsite	Black Creek Aquifer	EW-3	NM	395059.78	2052214.66	37-67	76.48	NM	NM
Onsite	Black Creek Aquifer	EW-4	NM	398581.51	2051805.58	53-73	80.64	NM	NM
Onsite	Black Creek Aquifer	EW-5	NM	397200.16	2052052.65	37-67	78.50	NM	NM
Onsite	Perched Zone	FTA-01	04/01/25	397906.09	2049370.01	12.0-22.0	149.60	16.98	132.62
Onsite	Perched Zone	FTA-02	04/01/25	397784.99	2049203.29	11.5-22.0	149.30	17.57	131.73
Onsite	Perched Zone	FTA-03	04/01/25	397766.23	2049310.46	12.0-22.0	150.10	17.72	132.38
Onsite	Surficial Aquifer	INSITU-01	04/01/25	401657.39	2046078.99	7.0-17.0	89.12	6.10	83.02
Onsite	Surficial Aquifer	INSITU-02	NM	401863.46	2049136.62	7.0-17.0	113.12	NM	NM
Onsite	Surficial Aquifer	INSITU-02R	04/01/25	401625.34	2049774.47	5.0 - 25	95.81	25.68	70.13
Onsite	Floodplain Deposits	LTW-01	04/01/25	399565.01	2052150.62	11.0-26.0	52.71	16.69	36.02
Onsite	Black Creek Aquifer	LTW-02	04/01/25	398847.57	2052355.48	28.0-38.0	51.39	11.00	40.39
Onsite	Floodplain Deposits	LTW-03	04/01/25	398114.45	2052558.35	15.0-30.0	51.75	13.11	38.64
Onsite	Floodplain Deposits	LTW-04	04/01/25	397279.61	2052584.95	12.0-27.0	50.66	11.25	39.41
Onsite	Black Creek Aquifer	LTW-05	04/01/25	396430.31	2052740.40	29.0-44.0	50.94	12.51	38.43
Onsite	Perched Zone	MW-11	NM	396544.40	2049051.06	11.5-21.5	148.53	NM	NM
Onsite	Perched Zone	MW-12S	04/01/25	397262.90	2049269.37	17.5-22.5	151.08	20.08	131.00
Onsite	Surficial Aquifer	MW-13D	04/01/25	397119.02	2049821.12	57-67	148.65	41.17	107.48
Onsite	Surficial Aquifer	MW-14D	04/01/25	396974.49	2049074.56	62-72	149.73	45.13	104.60
Onsite	Surficial Aquifer	MW-15DRR	04/01/25	398580.71	2049511.75	52.5-62.5	150.92	53.15	97.77
Onsite	Surficial Aquifer	MW-16D	04/01/25	398493.70	2048402.84	72-82	148.41	41.00	107.41
Onsite	Surficial Aquifer	MW-17D	04/01/25	398401.74	2047366.50	57-67	146.12	34.39	111.73
Onsite	Surficial Aquifer	MW-18D	04/01/25	400947.30	2046574.35	50-60	108.10	23.03	85.07
Onsite	Surficial Aquifer	MW-19D	04/01/25	401151.43	2048272.93	46-56	139.36	55.58	83.78
Onsite	Perched Zone	MW-1S	04/01/25	397080.69	2049117.99	21.0-24.0	148.88	18.94	129.94
Onsite	Surficial Aquifer	MW-20D	04/01/25	400791.01	2048733.71	65-75	137.20	52.30	84.90
Onsite	Surficial Aquifer	MW-21D	04/01/25	399501.88	2047074.92	72-82	151.42	49.54	101.88
Onsite	Surficial Aquifer	MW-22D	04/01/25	398518.40	2048362.48	52-72	149.09	40.88	108.21
Onsite	Perched Zone	MW-23	04/01/25	396237.61	2051063.25	9.5-14.5	148.34	14.50	133.84
Onsite	Perched Zone	MW-24	04/01/25	397303.94	2048767.69	18.8-23.8	150.31	21.62	128.69
Onsite	Perched Zone	MW-25	04/01/25	396753.37	2050989.82	12-17	147.59	13.92	133.67
Onsite	Perched Zone	MW-26	04/01/25	396265.18	2051484.67	5-10	147.70	11.25	136.45
Onsite	Perched Zone	MW-27	04/01/25	396010.33	2051472.00	10-15	146.83	14.36	132.47
Onsite	Perched Zone	MW-28	04/01/25	395719.79	2051165.93	9-14	144.70	13.57	131.13
Onsite	Perched Zone	MW-30	04/01/25	397340.79	2050776.09	10-15	147.67	12.59	135.08
Onsite	Perched Zone	MW-31	NM	396390.70	2049622.88	17-22	147.70	NM	NM
Onsite	Perched Zone	MW-32	NM	396359.58	2049651.79	13-18.5	147.11	NM	NM
Onsite	Perched Zone	MW-33	NM	396337.51	2049678.56	12-17	146.82	NM	NM
Onsite	Perched Zone	MW-34	NM	396352.90	2049619.09	17-22	147.97	NM	NM
Onsite	Perched Zone	MW-35	NM	396332.94	2049631.16	14-19	147.54	NM	NM
Onsite	Perched Zone	MW-36	NM	396320.09	2049651.17	12-17	147.89	NM	NM
Onsite	Perched Zone	MW-7S	04/01/25	397444.52	2049809.73	NM	147.47	10.50	136.97
Onsite	Perched Zone	MW-8S	NM	397096.48	2049867.77	NM	146.48	NM	NM
Onsite	Perched Zone	MW-9S	04/01/25	396760.16	2049734.30	17.5-22.5	154.39	21.31	133.08
Onsite	Perched Zone	NAF-01	04/01/25	398348.58	2050339.68	5.0-15.0	148.65	14.43	134.22
Onsite	Perched Zone	NAF-02	04/01/25	398660.16	2050634.55	5.0-15.0	149.28	9.77	139.51
Onsite	Perched Zone	NAF-03	04/01/25	398578.63	2050743.04	5.0-15.0	149.41	9.81	139.60
Onsite	Perched Zone	NAF-04	04/01/25	398445.89	2050713.13	5.0-15.0	146.77	6.99	139.78
Onsite	Perched Zone	NAF-06	04/01/25	398808.81	2050913.93	2.75-12.75	145.43	11.55	133.88
Onsite	Perched Zone	NAF-07	04/01/25	398898.69	2050618.12	5.5-15.5	149.03	9.51	139.52
Onsite	Perched Zone	NAF-08A	04/01/25	398098.22	2050886.93	5.0-15.0	147.74	13.66	134.08
Onsite	Surficial Aquifer	NAF-08B	04/01/25	398095.97	2050880.18	43.5-53.5	147.83	NM	DRY
Onsite	Perched Zone	NAF-09	04/01/25	397708.78	2050807.44	7.0-17.0	148.62	11.55	137.07
Onsite	Perched Zone	NAF-10	04/01/25	397611.81	2050425.20	8.25-18.25	149.25	11.68	137.57
Onsite	Perched Zone	NAF-11A	04/01/25	398907.08	2050999.77	2.5-7.5	139.74	5.40	134.34
Onsite	Surficial Aquifer	NAF-11B	04/01/25	398911.13	2050995.88	33.5-43.5	140.74	NM	DRY
Onsite	Perched Zone	NAF-12	04/01/25	398270.56	2050777.49	18-23	145.79	6.29	139.50
Onsite	Black Creek Aquifer	OW-1	04/01/25	399930.53	2051287.87	40-50	95.01	37.99	57.02

TABLE A3
GROUNDWATER ELEVATIONS - Q2 2025
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-10	04/01/25	399948.17	2051291.21	40-50	94.39	37.37	57.02
Onsite	Black Creek Aquifer	OW-11	04/01/25	401683.39	2049913.61	74-84	94.92	47.83	47.09
Onsite	Black Creek Aquifer	OW-12	04/01/25	401731.33	2050721.09	50-60	83.65	55.01	28.64
Onsite	Black Creek Aquifer	OW-13	04/01/25	400769.33	2051210.62	50-60	85.12	54.10	31.02
Onsite	Black Creek Aquifer	OW-14	04/01/25	400311.42	2051608.03	46-56	80.67	47.42	33.25
Onsite	Black Creek Aquifer	OW-15	04/01/25	399719.91	2051608.62	34-44	87.86	29.83	58.03
Onsite	Black Creek Aquifer	OW-16	04/01/25	399828.66	2051993.25	15-25	52.94	16.93	36.01
Onsite	Black Creek Aquifer	OW-17	04/01/25	399433.03	2051661.47	58-68	89.67	55.97	33.70
Onsite	Black Creek Aquifer	OW-18	04/01/25	398846.69	2051836.19	45-55	90.88	44.09	46.79
Onsite	Black Creek Aquifer	OW-19	04/01/25	398067.23	2051976.50	70-80	86.68	54.02	32.66
Onsite	Black Creek Aquifer	OW-2	04/01/25	398572.28	2051801.62	63-73	84.37	50.35	34.02
Onsite	Black Creek Aquifer	OW-20	04/01/25	398229.85	2052080.86	48-58	69.59	29.89	39.70
Onsite	Black Creek Aquifer	OW-21	04/01/25	397521.83	2051950.75	57-67	80.85	46.84	34.01
Onsite	Black Creek Aquifer	OW-22	04/01/25	397325.34	2052218.74	43-53	66.63	26.91	39.72
Onsite	Black Creek Aquifer	OW-23	04/01/25	396776.73	2052355.66	45-55	67.83	28.54	39.29
Onsite	Black Creek Aquifer	OW-24	04/01/25	396677.42	2052158.17	50-60	78.67	46.15	32.52
Onsite	Black Creek Aquifer	OW-25	04/01/25	396182.38	2052428.46	45-55	70.91	32.09	38.82
Onsite	Black Creek Aquifer	OW-26	04/01/25	395503.74	2052268.81	50-60	80.85	39.59	41.26
Onsite	Black Creek Aquifer	OW-27	04/01/25	395555.17	2052622.16	33-43	55.60	15.78	39.82
Onsite	Black Creek Aquifer	OW-28	04/01/25	395570.57	2052838.21	20-30	48.49	8.93	39.56
Onsite	Black Creek Aquifer	OW-29	04/01/25	395193.45	2052143.81	42-52	85.67	41.42	44.25
Onsite	Black Creek Aquifer	OW-3	04/01/25	398601.08	2051812.32	63-73	84.64	50.26	34.38
Onsite[5]	Black Creek Aquifer	OW-30	04/01/25	394988.72	2052537.53	49-59	70.92	31.48	39.44
Onsite	Black Creek Aquifer	OW-31	04/01/25	394812.07	2051595.90	85-95	106.10	66.22	39.88
Onsite[5]	Black Creek Aquifer	OW-33	04/01/25	395116.90	2052806.54	19-29	48.59	8.82	39.77
Onsite	Surficial Aquifer	OW-34	04/01/25	398593.54	2051813.31	23-33	83.76	16.16	67.60
Onsite	Surficial Aquifer	OW-35	04/01/25	398060.78	2051977.75	20-30	87.45	18.02	69.43
Onsite	Surficial Aquifer	OW-36	04/01/25	397257.46	2051997.45	11-21	80.61	17.04	63.57
Onsite	Black Creek Aquifer	OW-38	04/01/25	394885.22	2051883.97	60-70	123.70	59.83	63.87
Onsite	Black Creek Aquifer	OW-4	NM	395049.16	2052210.81	47-57	80.85	NM	NM
Onsite[5]	Black Creek Aquifer	OW-40	04/01/25	394588.05	2052521.39	49-59	72.88	32.56	40.32
Onsite	Black Creek Aquifer	OW-41	04/01/25	401683.74	2050119.92	82-92	93.66	47.43	46.23
Onsite	Black Creek Aquifer	OW-42	04/01/25	401696.05	2050448.24	58-68	87.37	42.34	45.03
Onsite	Black Creek Aquifer	OW-43	04/01/25	400937.73	2051116.17	40-50	76.94	45.30	31.64
Onsite	Black Creek Aquifer	OW-44	04/01/25	399741.48	2051736.45	34-44	73.18	37.11	36.07
Onsite	Black Creek Aquifer	OW-45	04/01/25	398836.07	2051955.99	50-60	77.10	36.53	40.57
Onsite	Black Creek Aquifer	OW-46	04/01/25	398164.94	2052050.69	59-69	72.05	32.35	39.70
Onsite	Black Creek Aquifer	OW-47	04/01/25	397243.89	2052136.32	49-59	71.47	32.05	39.42
Onsite	Black Creek Aquifer	OW-48	04/01/25	396698.39	2052275.93	42-52	69.54	30.42	39.12
Onsite	Black Creek Aquifer	OW-49	04/01/25	396180.56	2052348.51	53-63	79.56	40.75	38.81
Onsite	Black Creek Aquifer	OW-5	NM	395070.03	2052196.97	54-64	81.61	NM	NM
Onsite	Black Creek Aquifer	OW-55	04/01/25	401761.92	2050875.02	43-58	75.45	47.69	27.76
Onsite	Black Creek Aquifer	OW-57	04/01/25	401781.20	2050174.65	33-43	68.87	24.71	44.16
Onsite	Black Creek Aquifer	OW-6	NM	396168.41	2052223.54	50-60	80.53	NM	NM
Onsite	Black Creek Aquifer	OW-7	04/01/25	397180.06	2052052.69	57-67	81.45	47.71	33.74
Onsite	Black Creek Aquifer	OW-8	04/01/25	397202.33	2052041.98	57-67	82.30	49.36	32.94
Onsite	Black Creek Aquifer	OW-9	NM	395075.14	2052211.07	54-64	79.78	NM	NM
Onsite	Black Creek Aquifer	PIW-10DR	04/01/25	395093.99	2052297.30	53-58	75.91	33.56	40.32
Onsite	Surficial Aquifer	PIW-10S	04/01/25	395104.95	2052296.98	7-17	76.32	18.01	56.01
Onsite	Black Creek Aquifer	PIW-11	04/01/25	401911.03	2050416.29	47-57	67.02	23.32	43.70
Onsite	Black Creek Aquifer	PIW-12	04/01/25	401703.10	2051025.77	64-74	83.78	57.48	26.30
Onsite	Black Creek Aquifer	PIW-13	04/01/25	401464.29	2051122.60	54-64	83.18	56.68	26.50
Onsite	Black Creek Aquifer	PIW-14	04/01/25	401163.98	2051186.57	56-66	87.43	57.99	29.44
Onsite	Black Creek Aquifer	PIW-15	04/01/25	400706.51	2051532.80	34-44	67.85	36.55	31.30
Onsite	Black Creek Aquifer	PIW-16D	04/01/25	396257.96	2046587.07	90-100	150.06	25.28	124.78
Onsite	Surficial Aquifer	PIW-16S	04/01/25	396267.84	2046586.09	35-45	149.74	21.12	128.62
Onsite	Black Creek Aquifer	PIW-1D	04/01/25	400548.00	2051801.28	24.5-29.5	52.16	20.09	32.07
Onsite	Floodplain Deposits	PIW-1S	04/01/25	400541.03	2051792.39	7.8-17.8	54.04	21.65	32.39
Onsite	Black Creek Aquifer	PIW-2D	04/01/25	399925.40	2051315.80	40-50	96.19	39.18	57.01
Onsite	Black Creek Aquifer	PIW-3D	04/01/25	399711.25	2052086.94	19-24	53.42	17.52	35.90
Onsite	Black Creek Aquifer	PIW-4D	04/01/25	398816.52	2052101.94	32.3-37.3	52.85	12.49	40.36
Onsite	Surficial Aquifer	PIW-5SR	04/01/25	398545.10	2051977.53	9.8-19.8	79.02	NM	DRY
Onsite	Floodplain Deposits	PIW-6S	04/01/25	398117.93	2052539.79	18-28	53.40	14.80	38.60
Onsite	Black Creek Aquifer	PIW-7D	04/01/25	396787.77	2052595.65	29-34	48.93	9.58	39.35
Onsite	Floodplain Deposits	PIW-7S	04/01/25	396786.97	2052589.10	7-17	47.97	9.19	38.78
Onsite	Black Creek Aquifer	PIW-8D	04/01/25	396403.37	2052682.10	35.5-40	48.66	10.19	38.47
Onsite	Black Creek Aquifer	PIW-9D	NM	396155.84	2052250.84	40-45	79.64	NM	NM
Onsite	Surficial Aquifer	PIW-9S	NM	396148.52	2052251.03	24.8-29.8	79.64	NM	NM
Onsite	Perched Zone	PW-01	04/01/25	399064.80	2049654.30	11-21	149.55	14.40	135.15
Onsite	Surficial Aquifer	PW-02	04/01/25	399779.06	2050649.47	50-60	146.43	62.88	83.55
Onsite	Surficial Aquifer	PW-03	04/01/25	397339.81	2050765.32	35-45	147.97	43.14	104.83
Onsite	Surficial Aquifer	PW-04	04/01/25	394659.55	2050940.66	17-27	97.75	28.23	69.52
Onsite	Surficial Aquifer	PW-05	04/01/25	395873.10	2047812.93	65-75	150.34	34.28	116.06
Onsite	Surficial Aquifer	PW-06	04/01/25	392868.00	2045288.77	19-29	147.69	19.95	127.74
Onsite	Surficial Aquifer	PW-07	04/01/25	390847.71	2049258.26	28-38	148.16	NM	DRY
Onsite	Black Creek Aquifer	PW-09	04/01/25	402000.08	2048979.11	44-54	72.93	25.33	47.60
Onsite	Black Creek Aquifer	PW-10RR	04/01/25	398532.45	2051965.91	57-67	79.97	39.90	40.07
Onsite	Black Creek Aquifer	PW-11	04/01/25	394354.36	2052226.72	53-63	73.26	32.52	40.74
Onsite	Black Creek Aquifer	PW-12	04/01/25	399500.45	2047063.51	109-119	150.61	61.60	89.01
Onsite	Black Creek Aquifer	PW-13	04/01/25	397584.26	2048029.18	120-130	149.36	38.21	111.15
Onsite	Black Creek Aquifer	PW-14	04/01/25	397325.65	2050766.36	136-146	147.97	66.12	81.85

TABLE A3
GROUNDWATER ELEVATIONS - Q2 2025
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	PW-15R	04/01/25	398900.88	2051011.75	110-120	136.14	58.25	77.89
Onsite	Surficial Aquifer	PZ-1	04/01/25	394928.45	2051910.97	28-38	126.65	36.67	89.98
Onsite	Perched Zone	PZ-11	04/01/25	398646.25	2049820.94	15-20	151.03	9.94	141.09
Onsite	Perched Zone	PZ-12	04/01/25	399091.19	2048978.89	15.1-20.1	149.89	19.29	130.60
Onsite	Perched Zone	PZ-13	04/01/25	397707.82	2050985.25	7.1-12.1	148.14	10.84	137.30
Onsite	Perched Zone	PZ-14	04/01/25	397589.92	2050618.27	9.0-14.0	148.38	13.83	134.55
Onsite	Perched Zone	PZ-15	04/01/25	396806.39	2050107.50	10.2-15.2	147.76	13.29	134.47
Onsite	Perched Zone	PZ-17	NM	396614.82	2048872.69	21.1-26.1	150.08	NM	NM
Onsite	Perched Zone	PZ-19R	04/01/25	397998.66	2049919.52	16-21	150.05	13.40	136.65
Onsite	Surficial Aquifer	PZ-2	04/01/25	396631.77	2052167.77	15-25	78.05	13.24	64.81
Onsite	Perched Zone	PZ-20R	04/01/25	398185.81	2049784.60	15-20	151.29	14.76	136.53
Onsite	Perched Zone	PZ-21R	04/01/25	398445.16	2049883.13	17-22	150.67	12.99	137.68
Onsite	Black Creek Aquifer	PZ-22	04/01/25	397271.94	2052585.34	42.5-47.5	50.70	11.25	39.45
Onsite	Perched Zone	PZ-24	04/01/25	396117.94	2050744.07	11-16	147.53	14.44	133.09
Onsite	Perched Zone	PZ-25R	NM	395971.54	2050748.23	NM	147.51	NM	NM
Onsite	Perched Zone	PZ-26	04/01/25	396059.78	2050382.35	11-16	147.70	13.60	134.10
Onsite	Perched Zone	PZ-27	04/01/25	395922.11	2050376.76	12-17	147.17	14.48	132.69
Onsite	Perched Zone	PZ-28	04/01/25	396304.55	2049933.79	13-18	148.64	13.81	134.83
Onsite	Perched Zone	PZ-29	NM	396377.59	2049771.59	12-18	147.74	NM	NM
Onsite	Perched Zone	PZ-31	NM	396428.73	2049594.36	14-19	148.00	NM	NM
Onsite	Perched Zone	PZ-32	NM	396418.47	2049713.79	13-18	148.47	NM	NM
Onsite	Perched Zone	PZ-33	NM	396308.92	2049707.66	12.5-17.5	146.72	NM	NM
Onsite	Perched Zone	PZ-34	NM	396292.05	2049595.04	13.5-18.5	147.70	NM	NM
Onsite	Perched Zone	PZ-35	04/01/25	398232.64	2050020.49	13-18	150.43	12.90	137.53
Onsite	Perched Zone	PZ-36	NM	396086.17	2051331.44	5-8.5	135.20	NM	NM
Onsite	Perched Zone	PZ-37	NM	396042.40	2051050.05	5-8	135.56	NM	NM
Onsite	Perched Zone	PZ-38	NM	395970.01	2050569.66	5-9	137.34	NM	NM
Onsite	Perched Zone	PZ-39	NM	395921.87	2050238.18	5-10	137.93	NM	NM
Onsite	Perched Zone	PZ-40	NM	395943.02	2050031.90	5-9	138.51	NM	NM
Onsite	Perched Zone	PZ-41	04/01/25	395979.29	2050048.97	5-8.5	138.13	3.70	134.43
Onsite	Perched Zone	PZ-42	NM	395961.73	2050230.23	3-7	138.17	NM	NM
Onsite	Perched Zone	PZ-43	NM	396011.61	2050567.89	5-9	137.06	NM	NM
Onsite	Perched Zone	PZ-44	04/01/25	396082.75	2051045.25	5-7	136.26	NM	NM
Onsite	Perched Zone	PZ-45	04/01/25	396124.41	2051323.03	2-4	135.69	2.76	132.93
Onsite	Surficial Aquifer	PZ-L	04/01/25	396745.80	2048684.01	13-28	147.86	30.03	117.83
Offsite	Black Creek Aquifer	ROBESON-1D	04/01/25	381416.28	2020158.93	42.75-52.75	156.36	13.45	142.91
Offsite	Surficial Aquifer	ROBESON-1S	04/01/25	381408.19	2020156.86	17-27	156.66	11.40	145.26
Onsite	Surficial Aquifer	SMW-01	04/01/25	395297.97	2043688.29	5.0-15.0	150.58	12.97	137.61
Onsite	Perched Zone	SMW-02	04/01/25	399982.23	2050655.91	5.0-20.0	144.59	12.94	131.65
Onsite	Surficial Aquifer	SMW-02B	04/01/25	399983.75	2050654.77	43.0-53.0	147.93	NM	DRY
Onsite	Perched Zone	SMW-03	NM	399779.32	2049445.32	10.0-20.0	151.09	NM	NM
Onsite	Black Creek Aquifer	SMW-03B	04/01/25	399785.75	2049421.54	72-82	150.43	64.11	86.32
Onsite	Perched Zone	SMW-04A	04/01/25	399668.71	2048387.57	19.5-34.5	148.09	NM	DRY
Onsite	Surficial Aquifer	SMW-04B	04/01/25	399666.21	2048392.37	43.0-53.0	147.65	50.82	96.83
Onsite	Perched Zone	SMW-05	NM	399334.07	2048557.33	10.0-20.0	148.10	NM	NM
Onsite	Surficial Aquifer	SMW-05PR	04/01/25	399391.46	2049235.07	45.0-60.0	149.66	49.44	98.35
Onsite	Perched Zone	SMW-06	NM	399172.35	2048759.48	12.0-22.0	150.97	NM	NM
Onsite	Surficial Aquifer	SMW-06B	04/01/25	399144.74	2048764.94	58-68	150.32	52.83	97.49
Onsite	Perched Zone	SMW-07	04/01/25	398931.13	2048611.74	13.0-23.0	146.79	19.23	127.56
Onsite	Perched Zone	SMW-08	NM	399064.97	2048468.78	21.0-31.0	151.02	NM	NM
Onsite	Surficial Aquifer	SMW-08B	04/01/25	399058.33	2048478.84	58-68	148.81	45.95	102.86
Onsite	Surficial Aquifer	SMW-09	04/01/25	401076.89	2050017.41	52-62	141.43	60.58	80.85
Onsite	Black Creek Aquifer	SMW-10	04/01/25	402307.31	2047923.84	39-49	76.26	29.61	46.65
Onsite	Surficial Aquifer	SMW-11	04/01/25	401996.15	2048975.38	13-23	71.95	15.60	56.35
Onsite	Black Creek Aquifer	SMW-12	04/01/25	401314.20	2051007.22	88-98	118.22	89.92	28.30

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 - OW-30, OW-33, and OW-40 are within the USACE property but are labeled as onsite wells.
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 AND FIELD PARAMETERS - Q2 2025
Chemours Fayetteville Works, North Carolina

Area	Location ID	Water Bearing Unit[1]	Adjacent Surface Water Feature	Sample ID	QA/QC	Sample Collection and Field Parameters						
						Sample Date and Time	pH (S.U.)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
Offsite	BLADEN-1DR	Black Creek Aquifer	Georgia Branch Creek	CAP2Q25-BLADEN-1DR-041725	--	4/17/25 13:10	5.60	0.12	56.10	7.63	65.06	20.25
				CAP2Q25-BLADEN-1DR-041725-D	Field Duplicate	4/17/25 13:10	5.60	0.12	56.10	7.63	65.06	20.25
Onsite	LTW-01	Floodplain Deposits	Cape Fear River	CAP2Q25-LTW-01-041625	--	4/16/25 14:40	4.05	0.5	383.40	5.01	110.88	18.05
Onsite	LTW-02	Black Creek Aquifer	Cape Fear River	CAP2Q25-LTW-02-041025	--	4/10/25 15:20	4.13	0.09	138.40	6.51	112.19	18.10
Onsite	LTW-03	Floodplain Deposits	Cape Fear River	CAP2Q25-LTW-03-041625	--	4/16/25 13:30	4.04	0.1	342.00	9.42	104.57	18.35
Onsite	LTW-04	Floodplain Deposits	Cape Fear River	CAP2Q25-LTW-04-041625	--	4/16/25 12:45	5.21	0.05	179.10	17.11	102.90	17.62
Onsite	LTW-05	Black Creek Aquifer	Cape Fear River	CAP1Q25-LTW-05-012725	--	4/16/25 15:45	4.79	0.1	119.20	12.23	118.88	20.16
Onsite	OW-28	Black Creek Aquifer	Cape Fear River	CAP2Q25-OW-28-040325	--	4/3/25 15:55	4.3	0	-21.00	1.56	56.20	18.30
Onsite	OW-28	Black Creek Aquifer	Cape Fear River	CAP2Q25-OW-28-040325-D		4/3/25 15:55	4.3	0	-21.00	1.56	56.20	18.30
Onsite	OW-33	Black Creek Aquifer	Cape Fear River	CAP2Q25-OW-33-041525	--	4/15/25 13:55	3.91	0.08	319.70	3.31	70.11	18.96
Onsite	PIW-1D	Black Creek Aquifer	Cape Fear River / Willis Creek	CAP2Q25-PIW-1D-040425	--	4/4/25 11:15	3.59	0.31	471.10	12.40	234.74	20.40
Onsite	PIW-1S	Floodplain Deposits	Cape Fear River / Willis Creek	--[2]	--	--						
Onsite	PIW-3D	Black Creek Aquifer	Cape Fear River	CAP2Q25-PIW-3D-040425	--	4/4/25 11:40	4.31	0.12	202.00	7.97	102.25	18.67
Onsite	PIW-7D	Black Creek Aquifer	Cape Fear River	CAP2Q25-PIW-7D-041625	--	4/16/25 12:20	5.61	0.38	10.10	6.42	99.66	18.46
Onsite	PIW-7S	Floodplain Deposits	Cape Fear River	CAP2Q25-PIW-7S-041625	--	4/16/25 10:50	5.56	0.07	46.40	5.21	126.99	16.25
Onsite	PW-04	Surficial Aquifer	Outfall 003	CAP2Q25-PW-04-041125	--	4/11/25 9:52	3.12	5.13	411.10	5.07	628.00	17.27
Onsite	PW-06	Surficial Aquifer	Georgia Branch Creek	CAP2Q25-PW-06-041525	--	4/15/25 15:25	4.32	5.58	370.30	1.84	52.46	17.83
Onsite	PW-07	Surficial Aquifer	Georgia Branch Creek	CAP2Q25-PW-07-041425	--	4/14/25 10:10	5.64	8.37	185.70	14.31	123.31	20.46
Onsite	PW-09	Black Creek Aquifer	Willis Creek	CAP2Q25-PW-09-040325-Z	--	4/3/25 15:10	6.54	0.87	-91.40	34.40	78.23	18.66
Onsite	PZ-22	Black Creek Aquifer	Cape Fear River	CAP2Q25-PZ-22-041625	--	4/16/25 14:10	4.48	0.1	196.00	1.69	114.93	17.52
Onsite	SMW-10	Black Creek Aquifer	Willis Creek	CAP2Q25-SMW-10-040325	--	4/3/25 11:20	5.31	0.11	72.20	5.74	88.20	19.15
Onsite	SMW-11	Surficial Aquifer	Willis Creek	CAP2Q25-SMW-11-041525	--	4/15/25 15:50	4.12	3.78	335.30	3.87	55.89	17.90
Onsite	SMW-12	Black Creek Aquifer	Willis Creek	CAP2Q25-SMW-12-041025	--	4/10/25 11:00	3.85	0.28	296.70	13.56	161.71	17.16

Notes:
1 - Water Bearing Unit - refers to the primary aquifer unit where the well screen is estimated to be located.
2 - PIW-1S was dry during the Q2 2025 sampling event.
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
ORP - oxidation reduction potential
S.U. - Standard Units
"-Z" in Sample ID denotes field filtration

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

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL
Field Sample ID	CAP2Q25-CFR-BLADEN-042925	CAP2Q25-CFR-KINGS-050225	CAP2Q25-CFR-RM-76-040825	CAP2Q25-CFR-TARHEEL-040925
Sample Date	4/29/2025	5/2/2025	4/8/2025	4/9/2025
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-121165-1	320-121165-1	320-120453-1	320-120505-1
Lab Sample ID	320-121165-2	320-121165-1	320-120453-1	320-120505-5
Table 3+ (ng/L)				
HFPO Dimer Acid	**5.0**	**4.5**	<4.0	<4.0
PFMOAA	**6.1**	**8.7**	<2.0	**4.8**
PFO2HxA	**5.3**	**6.8**	**3.9**	**7.0**
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	**8.0**	**9.6**	**9.1**	**11**
PEPA	<2.0	<2.0	<2.0	<2.0
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	**4.5 J**	**9.2 J**	**2.8 J**	**6.2 J**
Hydrolyzed PSDA	**4.6 J**	**7.6 J**	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	<3.0	<3.0	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	**3.7 J**	**23 J**	**3.4 J**	**3.0 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PFPrA	**20**	**23**	**20**	**25**
Perfluoroheptanoic Acid	**2.8**	**3.1**	**2.1**	**2.6**
Total Attachment C[1,2]	**24**	**32**	**13**	**23**
Total Table 3+ (17 compounds)[1,3]	**24**	**32**	**13**	**23**
Total Table 3+ (18 compounds)[1,4]	**44**	**55**	**33**	**48**
Total Table 3+ (21 compounds)[1,5]	**57**	**94**	**39**	**57**

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

Location ID	CFR-TARHEEL	CFR-TARHEEL	GBC-1	LOCK-DAM NORTH
Field Sample ID	CAP2Q25-CFR-TARHEEL-24-040925	CAP2Q25-CFR-TARHEEL-042925	CAP2Q25-GBC-1-040825	CAP2Q25-LOCK-DAM-NORTH-040825
Sample Date	4/9/2025	4/29/2025	4/8/2025	4/8/2025
QA/QC				
Sample Matrix	Liquid	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-120505-1	320-121165-1	320-120453-1	320-120453-1
Lab Sample ID	320-120505-6	320-121165-3	320-120453-2	320-120453-3
Table 3+ (ng/L)				
HFPO Dimer Acid	**4.2**	**5.0**	**260**	**2,300**
PFMOAA	**5.4**	**6.3**	**52**	**4,300**
PFO2HxA	**8.1**	**5.4**	**210**	**2,600**
PFO3OA	<2.0	<2.0	**36**	**480**
PFO4DA	<2.0	<2.0	**11**	**80**
PFO5DA	<2.0	<2.0	**2.4**	**7.1**
PMPA	**13**	**8.4**	**410**	**2,600**
PEPA	<2.0	<2.0	**100**	**830**
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	**24**	**59**
R-PSDA	**4.4 J**	**4.2 J**	**93 J**	**200 J**
Hydrolyzed PSDA	**2.4 J**	**5.1 J**	<2.0	**6.5 J**
R-PSDCA	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	<3.0	<3.0	<3.0	**43**
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	**15**
R-EVE	**3.5 J**	**3.6 J**	**50 J**	**120 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PFPrA	**25**	**20**	**400**	**3,600**
Perfluoroheptanoic Acid	**2.5**	**2.8**	<2.0	**6.7**
Total Attachment C[1,2]	**31**	**25**	**1,100**	**13,000**
Total Table 3+ (17 compounds)[1,3]	**31**	**25**	**1,100**	**13,000**
Total Table 3+ (18 compounds)[1,4]	**56**	**45**	**1,500**	**17,000**
Total Table 3+ (21 compounds)[1,5]	**66**	**58**	**1,600**	**17,000**

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

Location ID	LOCK-DAM SEEP	OLDOF-2	OUTFALL 002	RIVER WATER INTAKE 2
Field Sample ID	CAP2Q25-LOCK-DAM-SEEP-040825	CAP2Q25-OLDOF-2-24-040925	CAP2Q25-OUTFALL-002-24-040925	RIVER-WATER-INTAKE-24-040925
Sample Date	4/8/2025	4/9/2025	4/9/2025	4/9/2025
QA/QC				
Sample Matrix	LIQUID	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-120453-1	320-120453-1	320-120453-1	320-120453-1
Lab Sample ID	320-120453-4	320-120453-8	320-120453-6	320-120453-5
Table 3+ (ng/L)				
HFPO Dimer Acid	**4,100**	**190**	**34**	**7.6**
PFMOAA	**30,000**	**800**	**20**	**7.6**
PFO2HxA	**15,000**	**290**	**9.9**	**7.9**
PFO3OA	**5,300**	**97**	**4.5**	<2.0
PFO4DA	**1,400**	**34**	**3.5**	<2.0
PFO5DA	**130**	**14**	**2.5**	<2.0
PMPA	**3,200**	**140**	**13**	**15**
PEPA	**1,500**	**43**	**2.9**	**2.1**
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**140**	**7.6**	<2.0	<2.0
R-PSDA	**470 J**	**17 J**	**16 J**	**6.4 J**
Hydrolyzed PSDA	**320 J**	**22 J**	**91 J**	**4.2 J**
R-PSDCA	**4.0**	<3.0	<3.0	<3.0
NVHOS, Acid Form	**440**	**13**	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**120**	**4.1**	<2.0	<2.0
R-EVE	**140 J**	**7.3 J**	**8.3 J**	**4.0 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PFPrA	**9,700**	**340**	**120**	**120**
Perfluoroheptanoic Acid	**45**	<2.0	**2.4**	**2.1**
Total Attachment C[1,2]	**61,000**	**1,600**	**90**	**40**
Total Table 3+ (17 compounds)[1,3]	**61,000**	**1,600**	**90**	**40**
Total Table 3+ (18 compounds)[1,4]	**71,000**	**2,000**	**210**	**160**
Total Table 3+ (21 compounds)[1,5]	**72,000**	**2,000**	**330**	**170**

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

Location ID	SEEP-A-EFF	SEEP-C-EFF	WC-1	EB
Field Sample ID	CAP2Q25-SEEP-A-24-040925	CAP2Q25-SEEP-C-24-040925	CAP2Q25-WC-1-24-040925	CAP2Q25-EQBLK-IS-040925
Sample Date	4/9/2025	4/9/2025	4/9/2025	4/9/2025
QA/QC				Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid	LIQUID
Sample Delivery Group (SDG)	320-120453-1	320-120453-1	320-120453-1	320-120505-1
Lab Sample ID	320-120453-9	320-120453-10	320-120453-7	320-120505-8
Table 3+ (ng/L)				
HFPO Dimer Acid	<4.0	<4.0	**100**	<4.0
PFMOAA	**8.5**	**39**	**180**	<2.0
PFO2HxA	<2.0	**5.4**	**130**	<2.0
PFO3OA	<2.0	<2.0	**24**	<2.0
PFO4DA	<2.0	<2.0	**4.0**	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**2.2**	**6.8**	**180**	<2.0
PEPA	<2.0	<2.0	**32**	<2.0
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	**7.2**	<2.0
R-PSDA	<2.0	<2.0	**45 J**	<2.0
Hydrolyzed PSDA	<2.0	<2.0	**99 J**	<2.0
R-PSDCA	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	<3.0	<3.0	**3.1**	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	**24 J**	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
PFPrA	**10**	**40**	**220**	<5.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0
Total Attachment C[1,2]	**11**	**51**	**660**	ND
Total Table 3+ (17 compounds)[1,3]	**11**	**51**	**660**	ND
Total Table 3+ (18 compounds)[1,4]	**21**	**91**	**880**	ND
Total Table 3+ (21 compounds)[1,5]	**21**	**91**	**1,000**	ND

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

Location ID	EB
Field Sample ID	CAP2Q25-EQBLK-PP-040925
Sample Date	4/9/2025
QA/QC	Equipment Blank
Sample Matrix	LIQUID
Sample Delivery Group (SDG)	320-120505-1
Lab Sample ID	320-120505-7
Table 3+ (ng/L)	
HFPO Dimer Acid	<4.0
PFMOAA	<2.0
PFO2HxA	<2.0
PFO3OA	<2.0
PFO4DA	<2.0
PFO5DA	<2.0
PMPA	<2.0
PEPA	<2.0
PS Acid	<2.0
Hydro-PS Acid	<2.0
R-PSDA	<2.0
Hydrolyzed PSDA	<2.0
R-PSDCA	<3.0
NVHOS, Acid Form	<3.0
EVE Acid	<2.0
Hydro-EVE Acid	<2.0
R-EVE	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0
PFECA B	<2.0
PFECA-G	<2.0
PFPrA	<5.0
Perfluoroheptanoic Acid	<2.0
Total Attachment C[1,2]	ND
Total Table 3+ (17 compounds)[1,3]	ND
Total Table 3+ (18 compounds)[1,4]	ND
Total Table 3+ (21 compounds)[1,5]	ND

Notes:

-- Not measured

Bold - Analyte detected above associated reporting limit

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

< - Analyte not detected above associated reporting limit.

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

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

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

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

4 - Total Table 3+ (18 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

5 - Total Table 3+ (21 compounds) does not include Perfluoroheptanoic acid (PFHpA).

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	BLADEN-1DR	BLADEN-1DR	LTW-01	LTW-02
Field Sample ID	CAP2Q25-BLADEN-1DR-041725	CAP2Q25-BLADEN-1DR-041725-D	CAP2Q25-LTW-01-041625	CAP2Q25-LTW-02-041025
Sample Date	4/17/2025	4/17/2025	4/16/2025	4/10/2025
QA/QC		Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-120693-1	320-120693-1	320-120726-1	320-120578-1
Lab Sample ID	320-120693-5	320-120693-6	320-120726-3	320-120578-9
Table 3+ (ng/L)				
HFPO-DA	**170**	**160**	**9,200**	**19,000**
PFMOAA	<63	<63	**9,300**	**37,000**
PFO2HxA	**81**	**120**	**14,000**	**28,000**
PFO3OA	<110	<110	**3,100**	**5,900**
PFO4DA	<63	<63	**1,000**	**470**
PFO5DA	<130	<130	**130**	<130
PMPA	**270**	**290**	**8,700**	**16,000**
PEPA	**98**	**87**	**3,200**	**5,000**
PS Acid	<63	<63	<63	<63
Hydro-PS Acid	<63	<63	**210**	<63
R-PSDA	<63	<63	**570 J**	**1,100 J**
Hydrolyzed PSDA	<160	<160	**250 J**	**2,500 J**
R-PSDCA	<94	<94	<94	<94
NVHOS, Acid Form	<94	<94	**190**	**650**
EVE Acid	<210	<210	<210	<210
Hydro-EVE Acid	<63	<63	**94**	**110**
R-EVE	<63	<63	**270 J**	**710 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<63	<63	<63
PFECA B	<78	<78	<78	<78
PFECA-G	<63	<63	<63	<63
PFPrA	<310	<310	**9,400**	**22,000**
Perfluoroheptanoic Acid	<63	<63	<63	<63
Total Attachment C[2,3]	**620**	**660**	**49,000**	**110,000**
Total Table 3+ (17 compounds)[3,4]	**620**	**660**	**49,000**	**110,000**
Total Table 3+ (18 compounds)[3,5]	**620**	**660**	**59,000**	**130,000**
Total Table 3+ (21 compounds)[3,6]	**620**	**660**	**60,000**	**140,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-03	LTW-04	LTW-05	OW-28
Field Sample ID	CAP2Q25-LTW-03-041625	CAP2Q25-LTW-04-041625	CAP2Q25-LTW-05-041625	CAP2Q25-OW-28-040325
Sample Date	4/16/2025	4/16/2025	4/16/2025	4/3/2025
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-120726-1	320-120726-1	320-120726-1	320-120578-1
Lab Sample ID	320-120726-4	320-120726-5	320-120726-6	320-120578-4
Table 3+ (ng/L)				
HFPO-DA	**6,800**	**11,000**	**24,000**	**4,000**
PFMOAA	**100,000**	**23,000**	**150,000**	**1,700**
PFO2HxA	**31,000**	**15,000**	**71,000**	**2,800**
PFO3OA	**5,000**	**2,700**	**14,000**	**450**
PFO4DA	**170**	**390**	**1,700**	**87**
PFO5DA	<130	<130	<130	<130
PMPA	**11,000**	**8,400**	**6,200**	**4,800**
PEPA	**2,600**	**3,400**	**880**	**1,700**
PS Acid	<63	<63	<63	<63
Hydro-PS Acid	<63	**140**	**170**	**73**
R-PSDA	**720 J**	**920 J**	**970 J**	<63
Hydrolyzed PSDA	**5,400 J**	**740 J**	**1,700 J**	<160
R-PSDCA	<94	<94	<94	<94
NVHOS, Acid Form	**950**	**550**	**1,500**	<94
EVE Acid	<210	<210	<210	<210
Hydro-EVE Acid	<63	**150**	**670**	<63
R-EVE	**300 J**	**750 J**	**1,200 J**	<63
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<63	<63	<63
PFECA B	<78	<78	<78	<78
PFECA-G	<63	<63	<63	<63
PFPrA	**34,000**	**20,000**	**87,000**	**3,900**
Perfluoroheptanoic Acid	<63	<63	**190**	<63
Total Attachment C[2,3]	**160,000**	**64,000**	**270,000**	**16,000**
Total Table 3+ (17 compounds)[3,4]	**160,000**	**65,000**	**270,000**	**16,000**
Total Table 3+ (18 compounds)[3,5]	**190,000**	**85,000**	**360,000**	**20,000**
Total Table 3+ (21 compounds)[3,6]	**200,000**	**87,000**	**360,000**	**20,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	OW-28	OW-33	PIW-1D	PIW-1S[7]
Field Sample ID	CAP2Q25-OW-28-040325-D	CAP2Q25-OW-33-041525	CAP2Q25-PIW-1D-040425	--
Sample Date	4/3/2025	4/15/2025	4/4/2025	--
QA/QC	Field Duplicate			
Sample Matrix	LIQUID	LIQUID	LIQUID	--
Sample Delivery Group (SDG)	320-120578-1	320-120693-1	320-120578-1	--
Lab Sample ID	320-120578-5	320-120693-2	320-120578-6	--
Table 3+ (ng/L)				
HFPO-DA	**3,900**	**4,300**	**13,000**	--
PFMOAA	**1,800**	**6,100**	**6,300**	--
PFO2HxA	**2,800**	**4,300**	**9,400**	--
PFO3OA	**470**	**760**	**1,400**	--
PFO4DA	**99**	<63	**320**	--
PFO5DA	<130	<130	<130	--
PMPA	**4,900**	**4,700**	**10,000**	--
PEPA	**1,700**	**1,500**	**3,700**	--
PS Acid	<63	<63	<63	--
Hydro-PS Acid	**76**	<63	**90**	--
R-PSDA	<63	<63	**630 J**	--
Hydrolyzed PSDA	<160	<160	<160	--
R-PSDCA	<94	<94	<94	--
NVHOS, Acid Form	<94	**110**	**120**	--
EVE Acid	<210	<210	<210	--
Hydro-EVE Acid	<63	<63	<63	--
R-EVE	<63	<63	**390 J**	--
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<63	<63	--
PFECA B	<78	<78	<78	--
PFECA-G	<63	<63	<63	--
PFPrA	**3,900**	**5,700**	**9,000**	--
Perfluoroheptanoic Acid	<63	<63	<63	--
Total Attachment C[2,3]	**16,000**	**22,000**	**44,000**	--
Total Table 3+ (17 compounds)[3,4]	**16,000**	**22,000**	**44,000**	--
Total Table 3+ (18 compounds)[3,5]	**20,000**	**27,000**	**53,000**	--
Total Table 3+ (21 compounds)[3,6]	**20,000**	**27,000**	**54,000**	--

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer
Location ID	PIW-3D	PIW-7D	PIW-7S	PW-04
Field Sample ID	CAP2Q25-PIW-3D-040425	CAP2Q25-PIW-7D-041625	CAP2Q25-PIW-7S-041625	CAP2Q25-PW-04-041125
Sample Date	4/4/2025	4/16/2025	4/16/2025	4/11/2025
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	Liquid
Sample Delivery Group (SDG)	320-120578-1	320-120726-1	320-120726-1	320-120626-1
Lab Sample ID	320-120578-7	320-120726-2	320-120726-1	320-120626-4
Table 3+ (ng/L)				
HFPO-DA	**16,000**	**10,000**	**8,500**	**340**
PFMOAA	**15,000**	**78,000**	**11,000**	**200**
PFO2HxA	**18,000**	**33,000**	**9,900**	**550**
PFO3OA	**2,600**	**4,800**	**2,900**	**190**
PFO4DA	**770**	**650**	**260**	**95**
PFO5DA	<130	<130	<130	<130
PMPA	**15,000**	**3,700**	**5,600**	**500**
PEPA	**5,200**	**830**	**2,000**	**140**
PS Acid	<63	<63	<63	<63
Hydro-PS Acid	**220**	<63	**180**	<63
R-PSDA	**950 J**	**540 J**	**740 J**	<63
Hydrolyzed PSDA	<160	**800 J**	<160	<160
R-PSDCA	<94	<94	<94	<94
NVHOS, Acid Form	**250**	**820**	**400**	<94
EVE Acid	<210	<210	<210	<210
Hydro-EVE Acid	**70**	**210**	**270**	<63
R-EVE	**430 J**	**570 J**	**770 J**	<63
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<63	<63	<63
PFECA B	<78	<78	<78	<78
PFECA-G	<63	<63	<63	<63
PFPrA	**16,000**	**40,000**	**9,900**	**920**
Perfluoroheptanoic Acid	<63	<63	<63	<63
Total Attachment C[2,3]	**73,000**	**130,000**	**40,000**	**2,000**
Total Table 3+ (17 compounds)[3,4]	**73,000**	**130,000**	**41,000**	**2,000**
Total Table 3+ (18 compounds)[3,5]	**89,000**	**170,000**	**51,000**	**2,900**
Total Table 3+ (21 compounds)[3,6]	**90,000**	**170,000**	**52,000**	**2,900**

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**	**PW-09**	**PW-09**
Field Sample ID	**CAP2Q25-PW-06-041525**	**CAP2Q25-PW-07-041425**	**CAP2Q25-PW-09-040325**	**CAP2Q25-PW-09-040325-Z**
Sample Date	**4/15/2025**	**4/14/2025**	**4/3/2025**	**4/3/2025**
QA/QC				
Sample Matrix	**LIQUID**	**LIQUID**	**LIQUID**	**LIQUID**
Sample Delivery Group (SDG)	**320-120693-1**	**320-120693-1**	**320-120578-1**	**320-120578-1**
Lab Sample ID	**320-120693-3**	**320-120693-1**	**320-120578-1**	**320-120578-2**
Table 3+ (ng/L)				
HFPO-DA	**790**	**150**	<4.0	<4.0
PFMOAA	<63	<63	**7.9**	**10**
PFO2HxA	**540**	**290**	**3.3**	**4.7**
PFO3OA	<110	<110	<2.0	<2.0
PFO4DA	**72**	<63	<2.0	<2.0
PFO5DA	<130	<130	<2.0	<2.0
PMPA	**600**	**270**	**4.5**	**5.1**
PEPA	**230**	<63	<2.0	<2.0
PS Acid	<63	<63	<2.0	<2.0
Hydro-PS Acid	<63	<63	<2.0	<2.0
R-PSDA	<63	<63	<2.0	<2.0
Hydrolyzed PSDA	<160	<160	<2.0	<2.0
R-PSDCA	<94	<94	<3.0	<3.0
NVHOS, Acid Form	<94	<94	<3.0	<3.0
EVE Acid	<210	<210	<2.0	<2.0
Hydro-EVE Acid	<63	<63	<2.0	<2.0
R-EVE	<63	<63	<2.0	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<63	<2.0	<2.0
PFECA B	<78	<78	<2.0	<2.0
PFECA-G	<63	<63	<2.0	<2.0
PFPrA	**580**	**410**	<5.0	**6.8**
Perfluoroheptanoic Acid	<63	<63	<2.0	<2.0
Total Attachment C[2,3]	**2,200**	**710**	**16**	**20**
Total Table 3+ (17 compounds)[3,4]	**2,200**	**710**	**16**	**20**
Total Table 3+ (18 compounds)[3,5]	**2,800**	**1,100**	**16**	**27**
Total Table 3+ (21 compounds)[3,6]	**2,800**	**1,100**	**16**	**27**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PZ-22	SMW-10	SMW-11	SMW-12
Field Sample ID	CAP2Q25-PZ-22-041625	CAP2Q25-SMW-10-040325	CAP2Q25-SMW-11-041525	CAP2Q25-SMW-12-041025
Sample Date	4/16/2025	4/3/2025	4/15/2025	4/10/2025
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-120726-1	320-120578-1	320-120693-1	320-120578-1
Lab Sample ID	320-120726-7	320-120578-3	320-120693-4	320-120578-8
Table 3+ (ng/L)				
HFPO-DA	**12,000**	**7.7**	**3,200**	**5,200**
PFMOAA	**140,000**	**210**	**7,900**	**11,000**
PFO2HxA	**55,000**	**31**	**4,100**	**5,300**
PFO3OA	**6,000**	<2.0	**840**	**410**
PFO4DA	**280**	<2.0	**260**	<63
PFO5DA	<130	<2.0	<130	<130
PMPA	**7,700**	**43**	**2,100**	**6,100**
PEPA	**1,700**	<2.0	**590**	**1,500**
PS Acid	<63	<2.0	<63	<63
Hydro-PS Acid	<63	<2.0	<63	<63
R-PSDA	**660 J**	<2.0	<63	<63
Hydrolyzed PSDA	**2,400 J**	<2.0	<160	<160
R-PSDCA	<94	<3.0	<94	<94
NVHOS, Acid Form	**1,300**	<3.0	**160**	**180**
EVE Acid	<210	<2.0	<210	<210
Hydro-EVE Acid	**97**	<2.0	<63	<63
R-EVE	**460 J**	<2.0	<63	<63
Perfluoro(2-ethoxyethane)sulfonic Acid	<63	<2.0	<63	<63
PFECA B	<78	<2.0	<78	<78
PFECA-G	<63	<2.0	<63	<63
PFPrA	**58,000**	**250**	**3,500**	**7,700**
Perfluoroheptanoic Acid	<63	<2.0	<63	<63
Total Attachment C[2,3]	**220,000**	**290**	**19,000**	**30,000**
Total Table 3+ (17 compounds)[3,4]	**220,000**	**290**	**19,000**	**30,000**
Total Table 3+ (18 compounds)[3,5]	**280,000**	**540**	**23,000**	**37,000**
Total Table 3+ (21 compounds)[3,6]	**290,000**	**540**	**23,000**	**37,000**

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	--	--	--
Location ID	**EB**	**EB**	**EB**
Field Sample ID	**CAP2Q25-EQBLK-DV-040925**	**CAP2Q25-EQBLK-BA-041425**	**CAP2Q25-EQBLK-PP-041425**
Sample Date	**4/9/2025**	**4/14/2025**	**4/14/2025**
QA/QC	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**
Sample Matrix	**LIQUID**	**LIQUID**	**LIQUID**
Sample Delivery Group (SDG)	**320-120626-1**	**320-120626-1**	**320-120626-1**
Lab Sample ID	**320-120626-1**	**320-120626-3**	**320-120626-2**
Table 3+ (ng/L)			
HFPO-DA	<4.0	<4.0	<4.0
PFMOAA	<2.0	<2.0	<2.0
PFO2HxA	<2.0	<2.0	<2.0
PFO3OA	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	<2.0	<2.0	<2.0
PEPA	<2.0	<2.0	<2.0
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0
NVHOS, Acid Form	<3.0	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
PFPrA	<5.0	<5.0	<5.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Total Attachment C[2,3]	ND	ND	ND
Total Table 3+ (17 compounds)[3,4]	ND	ND	ND
Total Table 3+ (18 compounds)[3,5]	ND	ND	ND
Total Table 3+ (21 compounds)[3,6]	ND	ND	ND

TABLE A6
GROUNDWATER ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Water Bearing Unit[1]	--
Location ID	EB
Field Sample ID	CAP2Q25-EQBLK-DV-041725-Z
Sample Date	4/17/2025
QA/QC	Equipment Blank
Sample Matrix	Liquid
Sample Delivery Group (SDG)	320-120764-1
Lab Sample ID	320-120764-1
Table 3+ (ng/L)	
HFPO-DA	<4.0
PFMOAA	<2.0
PFO2HxA	<2.0
PFO3OA	<2.0
PFO4DA	<2.0
PFO5DA	<2.0
PMPA	<2.0
PEPA	<2.0
PS Acid	<2.0
Hydro-PS Acid	<2.0
R-PSDA	<2.0
Hydrolyzed PSDA	<2.0
R-PSDCA	<3.0
NVHOS, Acid Form	<3.0
EVE Acid	<2.0
Hydro-EVE Acid	<2.0
R-EVE	<2.0
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0
PFECA B	<2.0
PFECA-G	<2.0
PFPrA	<5.0
Perfluoroheptanoic Acid	<2.0
Total Attachment C[2,3]	ND
Total Table 3+ (17 compounds)[3,4]	ND
Total Table 3+ (18 compounds)[3,5]	ND
Total Table 3+ (21 compounds)[3,6]	ND

Bold - Analyte detected above associated reporting limit

Notes:

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

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

"-Z" in Sample ID denotes field filtration

< - Analyte not detected above associated reporting limit.

-- - not applicable

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

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

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

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

5 - Total Table 3+ (18 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

6 - Total Table 3+ (21 compounds) does not include Perfluoroheptanoic acid (PFHpA).

7 - PIW-1S was dry during the Q2 2025 Sampling event.

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

Pathway	Pathway Name	Total Flow Volume on Sample Date (MG)[1]	Total Attachment C[2]		Total Table 3+ (17 compounds)[3]		Total Table 3+ (18 compounds)[4]		Total Table 3+ (21 compounds)	
			Concentration (ng/L)	Mass Discharge (mg/s)	Concentration (ng/L)	Mass Discharge (mg/s)	Concentration (ng/L)	Mass Discharge (mg/s)	Concentration (ng/L)	Mass Discharge (mg/s)
1	Upstream River Water and Groundwater[5]	1,809	13	1.03	13	1.03	33	2.62	39	3.09
2	Willis Creek	28.9	660	0.83	660	0.83	880	1.11	1,000	1.26
3	Aerial Deposition on Water Features	--	--	0.01	--	0.01	--	0.01	--	0.01
4	Outfall 002[6]	21	50	0.05	50	0.05	50	0.05	160	0.15
4A	Stormwater Treatment System[7]	--	--	--	--	--	--	--	--	--
5	Onsite Groundwater[8]	--	--	0.06	--	0.06	--	0.08	--	0.08
6A	Seep A	0.11	11	5.5E-05	11	5.5E-05	21	1.0E-04	21	1.0E-04
6B	Seep B	--								
6C	Seep C	2.7E-02	51	6.1E-05	51.00	6.1E-05	91	1.1E-04	91	1.1E-04
6D	Seep D	--								
6E	Lock and Dam Seep	8.7E-03	61,000	0.02	61000	0.02	71,000	0.03	72,000	0.03
6F	Lock and Dam Seep North	1.4E-03	13,000	7.9E-04	13,000	7.9E-04	17,000	1.0E-03	17,000	1.0E-03
7	Outfall 003 Stream[9]	0.14	1,600	0.01	1,600	0.01	2,000	0.01	2,000	0.01
8	Offsite Adjacent and Downstream Groundwater	--	--	0	--	0	--	0.99	--	1.16
9	Georgia Branch Creek	7.92	1,100	0.38	1,100	0.38	1,500	0.52	1,600	0.56
Calculated Total Table 3+ Loading (mg/s) at Tar Heel				**2.78**		**2.78**		**5.41**		**6.35**

Notes:

-- Not calculated. The location was not sampled during the mass loading model event.

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

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

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

4 - Total Table 3+ (18 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.

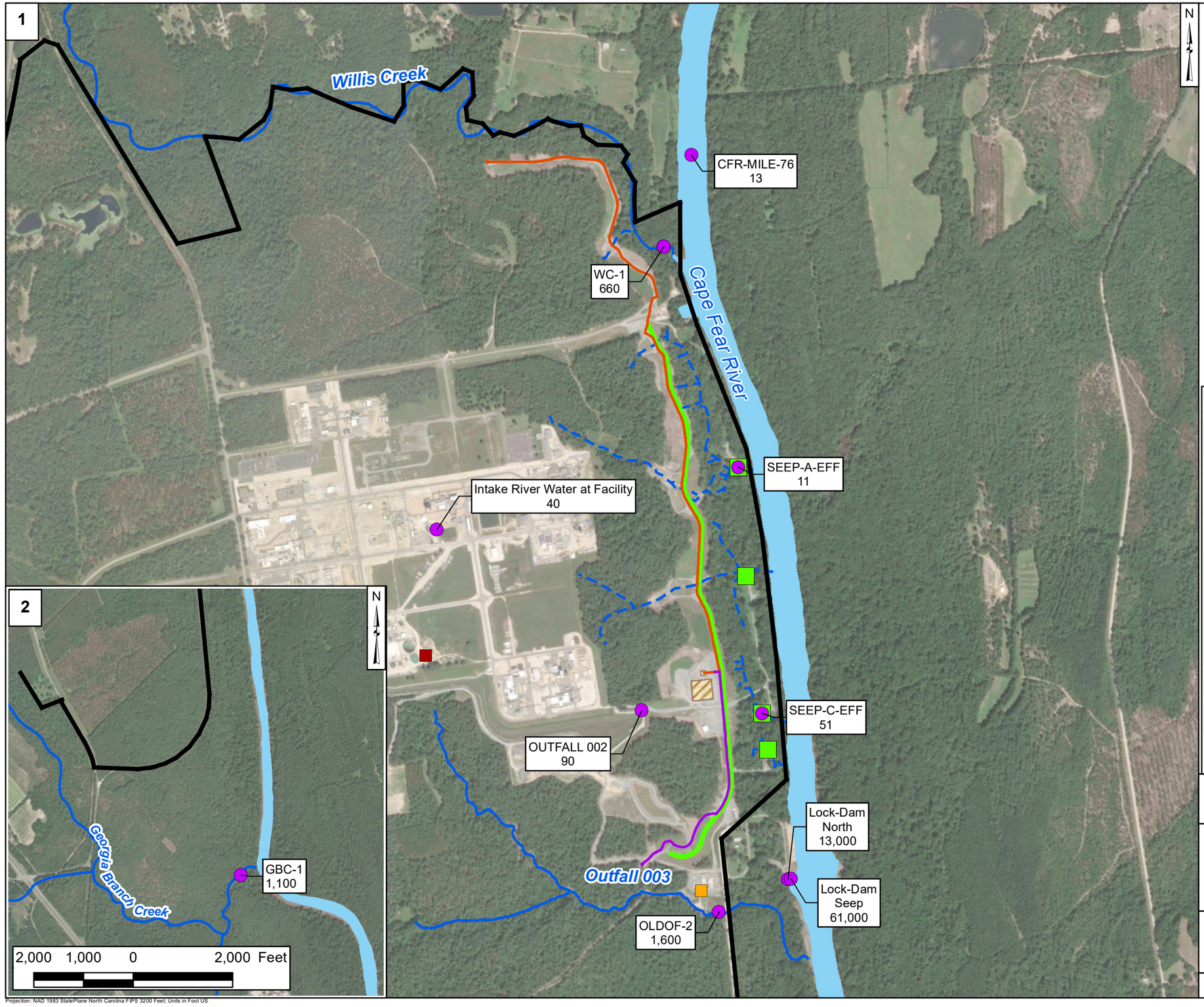
5 - The volumetric flow rate for upstream river water and groundwater was estimated by subtracting inflows from Willis Creek, upwelling groundwater, seeps to the river, and Outfall 002 and by adding the river water intake from Chemours to the flow rate measurement from the W.O. Huske Dam.

6 - 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.

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

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 April 2025, the concentrations from the stream sample collected downgradient from the Outfall 003 treatment system and effluent samples collected at the effluent basins of the Seep A, B, C and D flow-through cells were used to calculate the After Remedy mass discharge for these pathways.



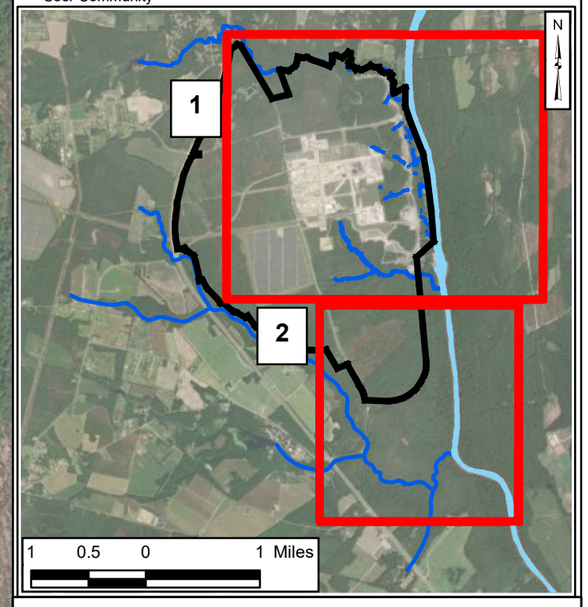
Legend

- Sample Location
- Flow-Through Cell
- Outfall 003 Treatment System
- Stormwater Treatment System
- Site Boundary
- Observed Seep
- Nearby Tributary
- North Forcemain
- South Forcemain
- Barrier Wall
- Groundwater Treatment Pad and Break Tank

OUTFALL 002
90
← Location Name
← Total Table 3+ (17 Compounds) Concentration (ng/L)

Notes:
NS - not sampled
ND - non-detect

1. All results are in nanograms per liter (ng/L).
2. Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
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, Maxar, Earthstar Geographics, and the GIS User Community



1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - April 2025

Chemours Fayetteville Works, North Carolina

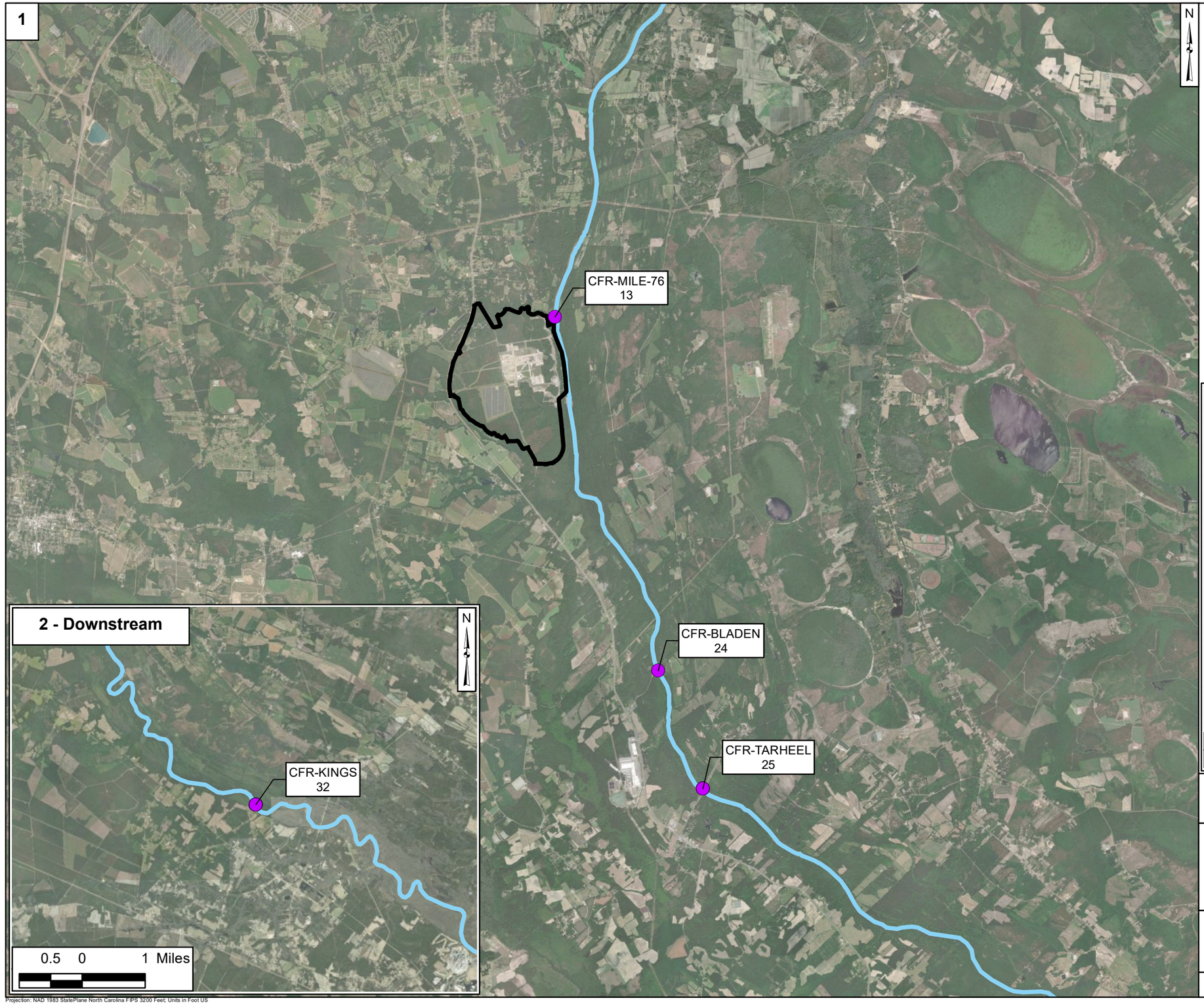
Geosyntec consultants

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

Raleigh | September 2025

Figure **A1**

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



Legend

Sample Location

Cape Fear River

Site Boundary

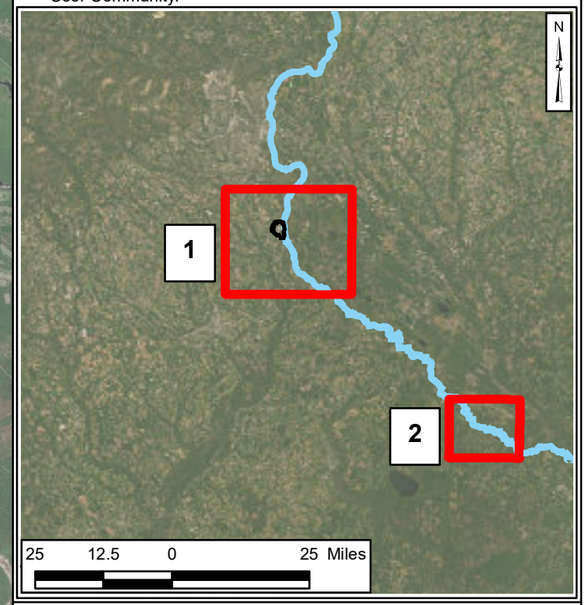
CFR-BLADEN
24

Location Name

Total Table 3+ (17 Compounds) Concentration (ng/L)

Notes:
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+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
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, Maxar, Earthstar Geographics, and the GIS User Community.



2 1 0 2 Miles

Cape Fear River Total Table 3+ Concentrations (17 Compounds) - April 2025

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure
A2

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

1

N

CFR-MILE-76
<4

CFR-BLADEN
5

CFR-TARHEEL
5

2 - Downstream

N

CFR-KINGS
4.5

1 0.5 0 1 Miles

Legend

Sample Location

Cape Fear River

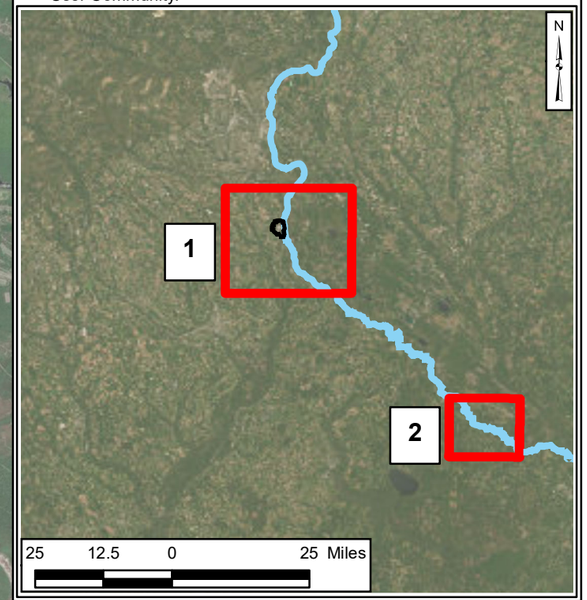
Site Boundary

CFR-TARHEEL*
4.2 / 5

Location Name
HFPO-DA
Concentration (ng/L)

Notes:
< - Analyte not detected above associated reporting limit.

1. All results are in nanograms per liter.
2. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.



2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations
April 2025

Chemours Fayetteville Works, North Carolina

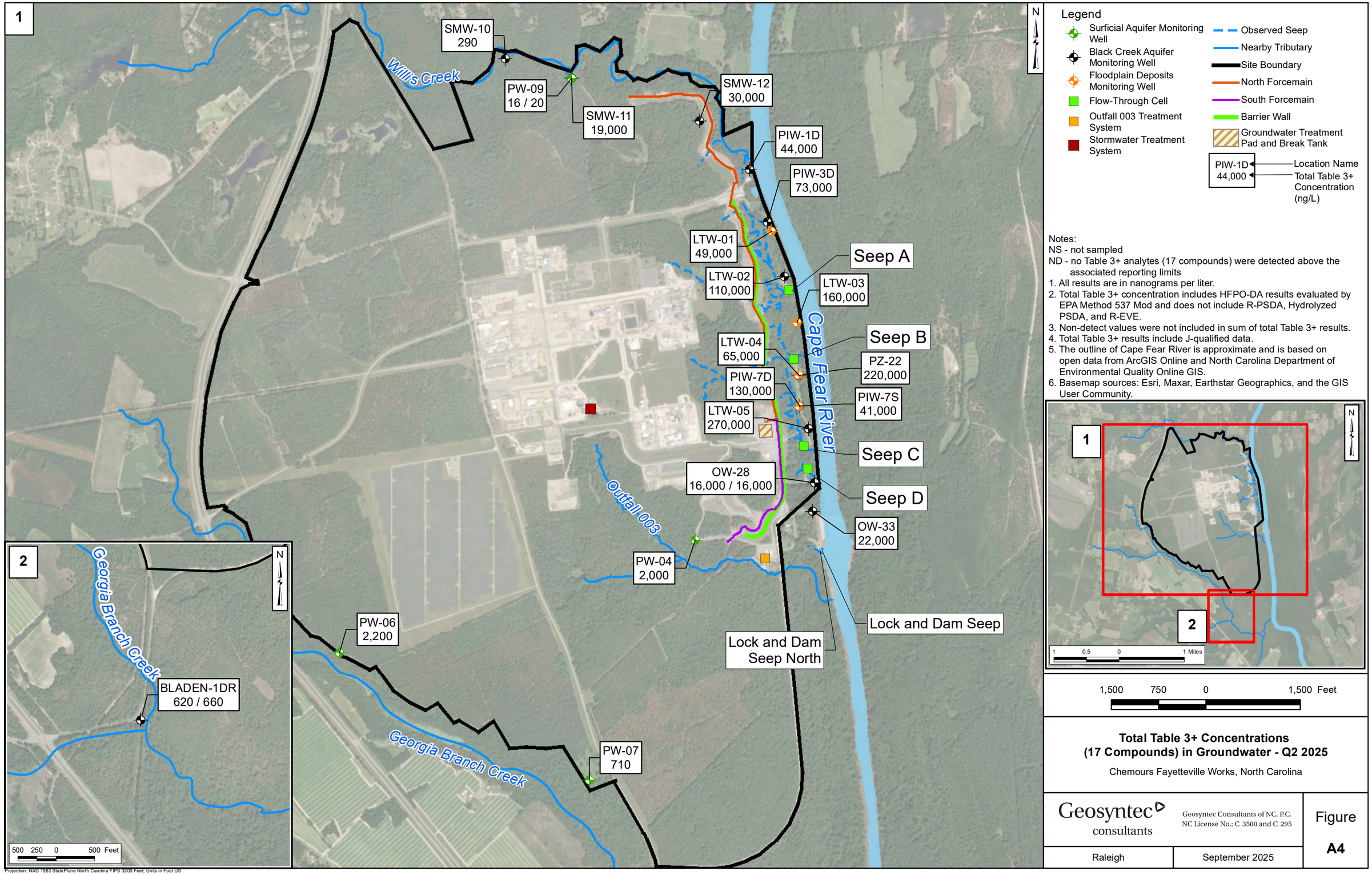
Geosyntec consultants

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

Raleigh | September 2025

Figure
A3

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



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, Maxar, Earthstar Geographics, and the GIS User Community.

1,500 750 0 1,500 Feet

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

Total Table 3+ Concentrations (17 Compounds) in Groundwater - Q2 2025

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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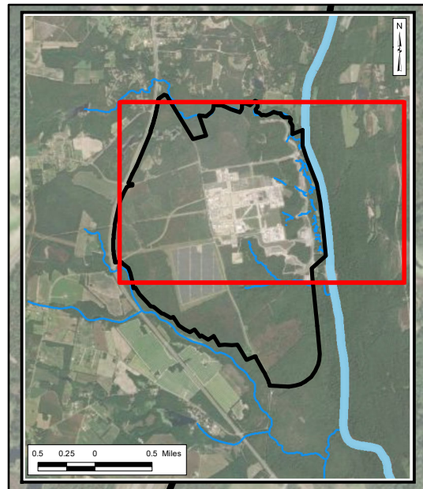
Figure **A4**



Willis Creek

Cape Fear River

SMW-02
131.65

SMW-04A
DRY

PZ-12
130.60

PW-01
135.15

NAF-06
133.88

NAF-03
139.60

NAF-11A
134.34

SMW-07
127.56

NAF-07
139.52

NAF-05A
NM

PZ-11
141.09

NAF-02
139.51

NAF-12
139.50

PZ-21R
137.68

NAF-01
134.22

NAF-13
NM

PZ-20R
136.53

PZ-35
137.53

NAF-08A
134.08

FTA-01
132.62

NAF-04
139.78

NAF-09
137.07

FTA-02
131.73

PZ-19R
136.65

NAF-10
137.57

PZ-13
137.30

FTA-03
132.38

PZ-14
134.55

MW-7S
136.97

MW-24
128.69

MW-30
135.08

MW-12S
131.00

MW-1S
129.94

MW-9S
133.08

PZ-15
134.47

MW-25
133.67

PZ-28
134.83

MW-23
133.84

PZ-24
133.09

MW-26
136.45

PZ-41
134.43

MW-27
132.47

PZ-27
132.69

PZ-26
134.10

PZ-45
132.93

PZ-44
NM

MW-28
131.13

Seep A

Seep B

Seep C

Seep D

Lock and Dam Seep

Lock and Dam Seep North

Outfall 003

N

Legend

- Perched Zone Monitoring Well
- Perched Zone Boundary
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Site Boundary
- North Forcemain
- South Forcemain
- Barrier Wall

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
NM - not measured

1. Depth to water measurements collected on April 1, 2025.
2. Abandoned wells are not shown.
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 - April 2025

Chemours Fayetteville Works, North Carolina

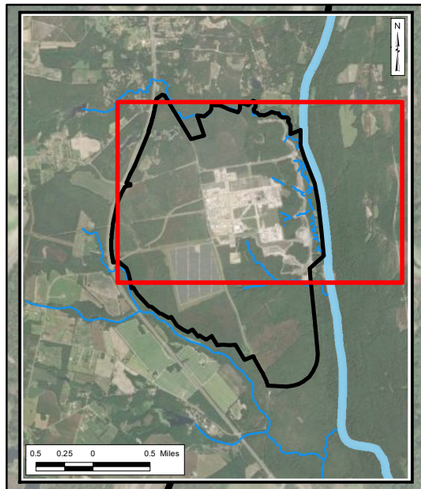
Geosyntec consultants

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

Raleigh | September 2025

Figure
A5-1

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



Willis Creek

SMW-11
56.35

INSITU-01
83.02

INSITU-02R
70.13

MW-18D
85.07

MW-19D
83.78

SMW-09
80.85

MW-20D
84.90

SMW-02B
DRY

PW-02
83.55

SMW-04B
96.83

MW-21D
101.88

SMW-05PR
98.35

SMW-08B
102.86

SMW-06B
97.49

NAF-11B
DRY

MW-17D
111.73

MW-22D
108.21

MW-16D
107.41

MW-15DRR
97.77

NAF-05BR
NM

OW-34
67.60

PIW-5SR
DRY

Seep A

NAF-08B
DRY

OW-35
69.43

Seep B

MW-13D
107.48

PW-03
104.83

OW-36
63.57

MW-14D
104.60

PZ-L
117.83

PZ-25RR
93.90

PZ-17R
105.98

PIW-16S
128.62

MW-11R
101.28

OW-37
56.62

Seep C

PW-05
116.06

Seep D

SMW-01
137.61

Outfall 003

PIW-10S
56.01

Lock and Dam Seep

PW-04
69.52

Lock and Dam
Seep North

Cape Fear River

N

Legend

- Surficial Aquifer Monitoring Well
- Observed Seep
- Nearby Tributary
- Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
- Site Boundary
- North Forcemain
- South Forcemain
- Barrier Wall

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
NM - Not Measured
1. Depth to water measurements collected on April 1, 2025.
2. Abandoned wells are not shown.
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 - April 2025

Chemours Fayetteville Works, North Carolina

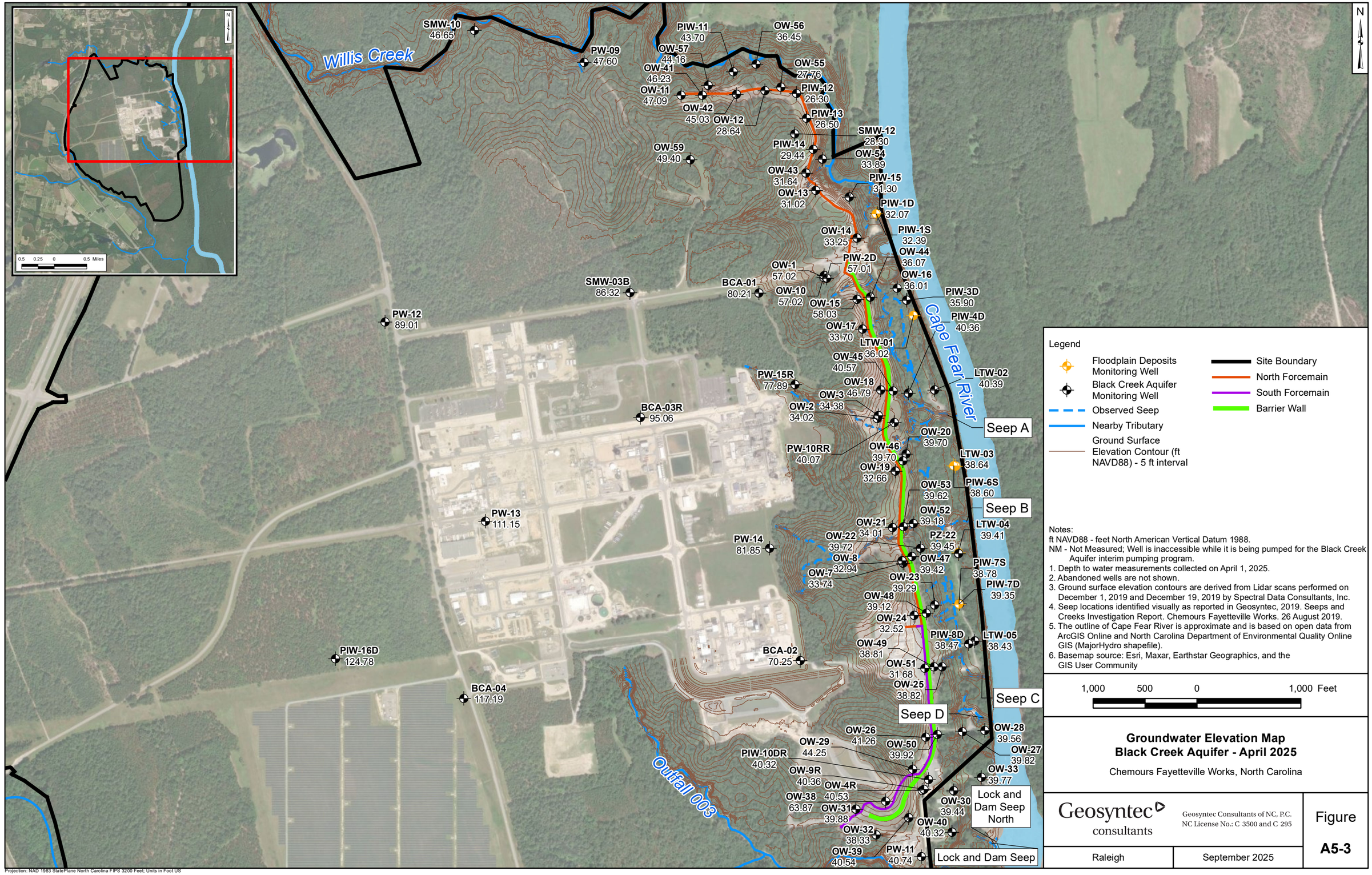
Geosyntec consultants

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

Raleigh | September 2025

Figure
A5-2

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


Willis Creek
Cape Fear River
Outfall 003
SMW-10 46.65
PW-09 47.60
PIW-11 43.70
OW-56 36.45
OW-57 44.16
OW-55 27.76
OW-41 46.23
PIW-12 26.30
OW-11 47.09
OW-42 45.03
OW-12 28.64
PIW-13 26.50
OW-59 49.40
SMW-12 28.30
PIW-14 29.44
OW-54 33.89
OW-43 31.64
PIW-15 31.30
OW-13 31.02
PIW-1D 32.07
OW-14 33.25
PIW-1S 32.39
OW-44 36.07
PIW-2D 57.01
OW-1 57.02
OW-16 36.01
SMW-03B 86.32
BCA-01 80.21
OW-10 57.02
PIW-3D 35.90
OW-15 58.03
PW-12 89.01
PIW-4D 40.36
OW-17 33.70
LTW-01 36.02
OW-45 40.57
PW-15R 77.89
LTW-02 40.39
OW-18 46.79
OW-3 34.38
OW-2 34.02
BCA-03R 95.06
Seep A
OW-20 39.70
PW-10RR 40.07
OW-46 39.70
LTW-03 38.64
OW-19 32.66
OW-53 39.62
PIW-6S 38.60
Seep B
PW-13 111.15
OW-52 39.18
OW-21 34.01
LTW-04 39.41
PW-14 81.85
OW-22 39.72
PZ-22 39.45
OW-8 32.94
OW-47 39.42
PIW-7S 38.78
OW-7 33.74
OW-23 39.29
PIW-7D 39.35
OW-48 39.12
OW-24 32.52
PIW-8D 38.47
LTW-05 38.43
PIW-16D 124.78
BCA-02 70.25
OW-49 38.81
OW-51 31.68
OW-25 38.82
BCA-04 117.19
Seep C
Seep D
OW-26 41.26
OW-28 39.56
OW-29 44.25
OW-50 39.92
OW-27 39.82
PIW-10DR 40.32
OW-9R 40.36
OW-33 39.77
OW-4R
OW-38 40.53
63.87
OW-30 39.44
Lock and Dam Seep North
OW-31 39.88
OW-40 40.32
OW-32 38.33
OW-39 40.54
PW-11 40.74
Lock and Dam Seep
0.5 0.25 0 0.5 Miles
N
Legend
Floodplain Deposits Monitoring Well
Black Creek Aquifer Monitoring Well
Observed Seep
Nearby Tributary
Ground Surface Elevation Contour (ft NAVD88) - 5 ft interval
Site Boundary
North Forcemain
South Forcemain
Barrier Wall
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 April 1, 2025.
2. Abandoned wells are not shown.
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 - April 2025
Chemours Fayetteville Works, North Carolina
Geosyntec consultants
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295
Raleigh
September 2025
Figure
A5-3
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Geosyntec consultants

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

Attachment ATT1

Supplemental Tables to the Mass Loading Model

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/8/2025 13:38	95.5	32.5	486.9	1,920
4/8/2025 13:53	94.6	29.4	440.7	1,860
4/8/2025 14:08	94.2	21.2	318.5	1,731
4/8/2025 14:23	87.0	14.4	216.2	1,522
4/8/2025 14:38	92.8	14.0	210.3	1,603
4/8/2025 14:53	94.2	0.4	6.6	1,419
4/8/2025 15:08	96.0	1.0	15.4	1,455
4/8/2025 15:23	98.7	0	0	1,481
4/8/2025 15:38	94.2	0	0	1,413
4/8/2025 15:53	96.9	0	0	1,453
4/8/2025 16:08	97.8	0	0	1,467
4/8/2025 16:23	97.3	0	0	1,460
4/8/2025 16:38	102.9	0	0	1,543
4/8/2025 16:53	108.0	0	0	1,620
4/8/2025 17:08	81.4	0	0	1,221
4/8/2025 17:23	100.6	0	0	1,508
4/8/2025 17:38	103.3	0	0	1,550
4/8/2025 17:53	112.8	0	0	1,692
4/8/2025 18:08	115.2	0	0	1,728
4/8/2025 18:23	113.7	0	0	1,706
4/8/2025 18:38	113.3	0	0	1,699
4/8/2025 18:53	120.5	0	0	1,808
4/8/2025 19:08	116.6	0	0	1,749
4/8/2025 19:23	116.6	0	0	1,749
4/8/2025 19:38	114.7	0	0	1,720
4/8/2025 19:53	116.1	0	0	1,742
4/8/2025 20:08	117.6	0	0	1,764
4/8/2025 20:23	111.8	0	0	1,677
4/8/2025 20:38	106.6	0	0	1,599
4/8/2025 20:53	100.6	0	0	1,508
4/8/2025 21:08	97.8	0	0	1,467
4/8/2025 21:23	101.9	0	0	1,529
4/8/2025 21:38	95.5	0	0	1,433
4/8/2025 21:53	89.7	0	0	1,345
4/8/2025 22:08	93.3	0	0	1,399
4/8/2025 22:23	92.8	0	0	1,392
4/8/2025 22:38	96.0	0	0	1,440
4/8/2025 22:53	92.8	0	0	1,392
4/8/2025 23:08	94.2	0	0	1,413
4/8/2025 23:23	93.7	0	0	1,406
4/8/2025 23:38	94.2	0	0	1,413
4/8/2025 23:53	86.6	0	0	1,299

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/9/2025 0:08	83.5	0	0	1,253
4/9/2025 0:23	76.3	0	0	1,144
4/9/2025 0:38	80.1	0	0	1,201
4/9/2025 0:53	78.0	0	0	1,169
4/9/2025 1:08	76.3	0	0	1,144
4/9/2025 1:23	74.2	0	0	1,113
4/9/2025 1:38	75.0	0	0	1,125
4/9/2025 1:53	77.1	0	0	1,157
4/9/2025 2:08	75.4	0	0	1,131
4/9/2025 2:23	75.0	0	0	1,125
4/9/2025 2:38	73.3	0	0	1,100
4/9/2025 2:53	74.2	0	0	1,113
4/9/2025 3:08	75.9	0	0	1,138
4/9/2025 3:23	80.1	0	0	1,201
4/9/2025 3:38	70.5	0	0	1,057
4/9/2025 3:53	72.9	0	0	1,094
4/9/2025 4:08	69.6	0	0	1,044
4/9/2025 4:23	73.3	0	0	1,100
4/9/2025 4:38	72.5	0	0	1,088
4/9/2025 4:53	72.5	0	0	1,088
4/9/2025 5:08	74.6	0	0	1,119
4/9/2025 5:23	76.7	0	0	1,150
4/9/2025 5:38	79.2	0	0	1,189
4/9/2025 5:53	78.8	0	0	1,182
4/9/2025 6:08	82.2	0	0	1,234
4/9/2025 6:23	81.0	0	0	1,214
4/9/2025 6:38	68.4	0	0	1,026
4/9/2025 6:53	72.1	0	0	1,081
4/9/2025 7:08	57.7	0	0	866
4/9/2025 7:23	49.5	0	0	742
4/9/2025 7:38	37.3	0	0	559
4/9/2025 7:53	41.3	0	0	620
4/9/2025 8:08	39.9	0	0	599
4/9/2025 8:23	38.3	0	0	574
4/9/2025 8:38	36.3	0	0	544
4/9/2025 8:53	37.9	0	0	569
4/9/2025 9:08	31.1	0	0	467
4/9/2025 9:23	32.1	0	0	481
4/9/2025 9:38	21.4	0	0	320
4/9/2025 9:53	25.6	0	0	385
4/9/2025 10:08	22.2	0	0	333
4/9/2025 10:23	16.6	0	0	249

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/9/2025 10:38	10.4	0	0	156
4/9/2025 10:53	14.6	0	0	219
4/9/2025 11:08	9.4	0	0	140
4/9/2025 11:23	38.6	0	0	579
4/9/2025 11:38	123.0	0	0	1,845
4/9/2025 11:53	139.6	0	0	2,094
4/9/2025 12:08	124.0	0	0	1,859
4/9/2025 12:23	141.6	0	0	2,125
			Total Flow Volume (gal)	113,401

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

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

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

Date/Time	Flow Rate[1] (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume (gal)
--	--	--	--	--
Total Flow Volume (gal)				--

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - There was insufficient flow observed in Seep B FTC Effluent Basin at the time of sampling and therefore a flow rate was not calculated.

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/8/2025 10:39	24.1	3.6	53.5	414.3
4/8/2025 10:54	22.4	2.6	38.9	374.7
4/8/2025 11:09	29.3	9.7	145.9	585.4
4/8/2025 11:24	33.5	18.1	271.4	774.2
4/8/2025 11:39	39.9	26.0	390.4	988.9
4/8/2025 11:54	28.8	7.7	115.1	546.9
4/8/2025 12:09	26.8	7.0	105.4	506.7
4/8/2025 12:24	23.6	1.0	15.0	368.6
4/8/2025 12:39	23.1	1.7	26.0	372.4
4/8/2025 12:54	29.0	9.0	135.4	571.0
4/8/2025 13:09	24.8	3.6	53.5	425.2
4/8/2025 13:24	27.0	6.7	100.6	505.8
4/8/2025 13:39	27.5	6.4	95.9	508.6
4/8/2025 13:54	28.3	7.3	110.2	534.3
4/8/2025 14:09	30.6	10.4	156.7	615.7
4/8/2025 14:24	26.8	4.4	65.3	466.7
4/8/2025 14:39	32.2	9.0	135.4	618.1
4/8/2025 14:54	25.5	1.7	26.0	408.8
4/8/2025 15:09	29.6	3.6	53.5	496.8
4/8/2025 15:24	28.3	2.4	35.5	459.7
4/8/2025 15:39	23.8	0	0	357.2
4/8/2025 15:54	25.8	0.5	8.1	394.6
4/8/2025 16:09	20.8	0	0	311.3
4/8/2025 16:24	20.8	0	0	311.3
4/8/2025 16:39	22.6	0	0	339.3
4/8/2025 16:54	24.3	0	0	364.4
4/8/2025 17:09	11.9	0	0	178.1
4/8/2025 17:24	19.6	0	0	294.1
4/8/2025 17:39	16.7	0	0	251.2
4/8/2025 17:54	17.6	0	0	264.2
4/8/2025 18:09	18.0	0	0	270.7
4/8/2025 18:24	15.5	0	0	232.1
4/8/2025 18:39	15.1	0	0	225.9
4/8/2025 18:54	16.3	0	0	244.8
4/8/2025 19:09	13.4	0	0	201.5
4/8/2025 19:24	11.3	0	0	169.5
4/8/2025 19:39	9.6	0	0	144.7
4/8/2025 19:54	8.9	0	0	134.1
4/8/2025 20:09	8.3	0	0	123.8
4/8/2025 20:24	7.8	0	0	116.3
4/8/2025 20:39	6.1	0	0	92.2
4/8/2025 20:54	7.3	0	0	108.9
4/8/2025 21:09	10.4	0	0	155.6
4/8/2025 21:24	15.7	0	0	235.3

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/8/2025 21:39	16.5	0	0	248.0
4/8/2025 21:54	16.7	0	0	251.2
4/8/2025 22:09	16.7	0	0	251.2
4/8/2025 22:24	17.8	0	0	267.5
4/8/2025 22:39	19.2	0	0	287.4
4/8/2025 22:54	17.0	0	0	254.4
4/8/2025 23:09	17.6	0	0	264.2
4/8/2025 23:24	13.8	0	0	207.5
4/8/2025 23:39	10.9	0	0	163.9
4/8/2025 23:54	10.7	0	0	161.1
4/9/2025 0:09	10.6	0	0	158.3
4/9/2025 0:24	12.8	0	0	192.6
4/9/2025 0:39	19.6	0	0	294.1
4/9/2025 0:54	21.9	0	0	328.7
4/9/2025 1:09	25.0	0	0	375.4
4/9/2025 1:24	25.8	0	0	386.5
4/9/2025 1:39	26.5	0	0	397.6
4/9/2025 1:54	28.3	0	0	424.1
4/9/2025 2:09	26.3	0	0	393.9
4/9/2025 2:24	24.8	0	0	371.7
4/9/2025 2:39	23.6	0	0	353.6
4/9/2025 2:54	22.9	0	0	342.8
4/9/2025 3:09	22.9	0	0	342.8
4/9/2025 3:24	22.1	0	0	332.2
4/9/2025 3:39	15.1	0	0	225.9
4/9/2025 3:54	17.2	0	0	257.7
4/9/2025 4:09	17.6	0	0	264.2
4/9/2025 4:24	20.8	0	0	311.3
4/9/2025 4:39	22.6	0	0	339.3
4/9/2025 4:54	20.5	0	0	307.8
4/9/2025 5:09	17.2	0	0	257.7
4/9/2025 5:24	16.7	0	0	251.2
4/9/2025 5:39	11.3	0	0	169.5
4/9/2025 5:54	6.8	0	0	101.6
4/9/2025 6:09	4.5	0	0	68.0
4/9/2025 6:24	3.5	0	0	52.0
4/9/2025 6:39	1.1	0	0	16.3
4/9/2025 6:54	3.0	0	0	44.6
4/9/2025 7:09	3.5	0	0	52.0
4/9/2025 7:24	7.1	0	0	106.4
4/9/2025 7:39	7.6	0	0	113.8
4/9/2025 7:54	13.8	0	0	207.5
4/9/2025 8:09	16.3	0	0	244.8
4/9/2025 8:24	14.2	0	0	213.6
4/9/2025 8:39	10.6	0	0	158.3

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

Date/Time	Flow Rate (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume[1] (gal)
4/9/2025 8:54	10.2	0	0	152.8
4/9/2025 9:09	9.8	0	0	147.4
4/9/2025 9:24	12.4	0	0	186.7
			Total Flow Volume (gal)	**27,365**

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

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

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

Date/Time	Flow Rate[1] (gpm)	Bypass Spillway Flow Rate (gpm)	Bypass Spillway Volume (gal)	Flow Volume (gal)
--	--	--	--	--
Total Flow Volume (gal)				--

Notes:

gal - gallons

gpm - gallons per minute

FTC - Flow Through Cell

1 - There was insufficient flow observed in Seep D FTC Effluent Basin at the time of sampling and therefore a flow rate was not calculated.

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

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
East Bank	0	0	0.03	0	0.21	0.01
B	0.5	0.10	0.08	0.41	0.37	0.03
B	1.0	0.20	0.13	0.33	0.40	0.05
T	1.0	0		0.40		
B	1.5	0.30	0.15	0.39	0.39	0.06
T	1.5	0		0.49		
B	2.0	0.3	0.15	0.32	0.26	0.04
T	2.0	0		0.37		
B	2.5	0.30	0.15	0.14	0.16	0.02
T	2.5	0		0.19		
B	3.0	0.30	0.13	0.10	0.09	0.01
T	3.0	0		0.22		
B	3.5	0.2	0.05	0.02	0.01	0.0005
West Bank	4.0	0				
			Total Volumetric Discharge			
			(ft^3/s)			0.22
			(gpm)			97.1
			(L/s)			6.1

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Outfall 003 Treatment Plant Effluent Stream
Date: April 8, 2025

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)
North Bank	0	0	0.60	0	0.15	0.09
B	2	0.60	1.00	0.08	0.55	0.55
M	2	0.30		0.29		
T	2	0		0.52		
B	4	0.40	1.60	0.83	0.97	1.55
T	4	0		0.77		
B	6	1.20	2.80	0.80	1.44	4.03
M	6	0.60		1.14		
T	6	0		0.81		
B	8	1.60	3.40	0.41	1.75	5.95
M	8	0.80		1.74		
T	8	0		1.67		
B	10	1.80	3.60	1.19	1.98	7.13
M	10	0.90		1.76		
T	10	0		2.09		
B	12	1.80	2.50	0.93	1.87	4.66
M	12	0.90		2.20		
T	12	0		2.23		
B	14	0.70	1.70	0.78	1.11	1.88
M	14	0.35		1.53		
T	14	0		1.78		
B	16	1.00	1.90	0.27	0.90	1.71
M	16	0.50		0.68		
T	16	0		1.01		
B	18	0.90	2.20	0.41	1.65	3.62
M	18	0.45		1.12		
T	18	0		1.19		
B	20	1.30	2.70	0.99	2.16	5.82
M	20	0.65		2.17		
T	20	0		2.27		
B	22	1.40	2.70	1.26	1.97	5.31
M	22	0.70		2.14		
T	22	0		2.13		
B	24	1.30	2.20	1.30	1.02	2.24
M	24	0.65		1.79		
T	24	0		1.29		
B	26	0.90	0.90	0.05	0.13	0.11
M	26	0.45		0.25		
T	26	0		0.08		
South Bank	28	0		0		
			Total Volumetric Discharge			
			(ft^3/s)			44.6
			(gpm)			20,038
			(L/s)			1,264

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 06 (SW-WC-06)
Date: April 8, 2025

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

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	0	0	0.01	0
B	0.5	0	0	0.01	-0.51	0
B	1	0	0.17	-1.02	-0.56	-0.09
B	2	0.33	0.31	-0.10	-0.05	-0.02
T	2	0		0.10		
B	3	0.29	0.50	-0.08	0.05	0.02
T	3	0		-0.13		
B	4	0.70	1.05	0.07	0.28	0.30
T	4	0		0.32		
B	5	1.4	1.50	0.24	0.73	1.09
M	5	0.70		0.37		
T	5	0		0.63		
B	6	1.6	1.40	0.51	1.12	1.57
M	6	0.80		1.08		
T	6	0		0.99		
B	7	1.2	1.45	0.84	1.17	1.69
M	7	0.75		1.16		
T	7	0		1.48		
B	8	1.7	1.95	0.74	1.23	2.39
M	8	0.80		1.17		
T	8	0		1.39		
B	9	2.2	2.25	1.83	1.40	3.15
M	9	1.10		1.28		
T	9	0		1.20		
B	10	2.3	1.70	0.89	1.11	1.89
M	10	1.10		1.52		
T	10	0		1.01		
B	11	1.1	1.05	0.40	0.47	0.49
M	11	0.55		0.70		
T	11	0		0.83		
B	12	1	0.50	0.12	-0.43	-0.22
M	12	0.50		0.24		
T	12	0		0.05		
North Bank	13	0		-1.10		
			Total Volumetric Discharge (ft^3/s)			12.3
			(gpm)			5,502
			(L/s)			347

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 05 (SW-GB-01)
Date: April 8, 2025

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

Q2 2025 Quarterly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
April 2025[1]	4/8/2025	22.57	22,574,000	11.2	10,503,181
	4/9/2025	20.87	20,873,000	11.8	10,291,549
	1/7/2025 9:00 AM to 1/8/2025 8:00 AM			23.0	20,794,729

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 11:50 AM on 4/9/2025 approximated based on flow rates for 4/8/2025 and 4/9/2025.

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

Q2 2025 Quarterly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Grab Sample Instantaneous Flow Rate (ft^3/s)[2]
April 2025	Upstream River Water and Groundwater	04/08/25 9:40	William O Huske Lock and Dam	2,560

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

Q2 2025 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)
April 2025[1]	4/8/2025	13,075	18,828,567	14.4	11,297,140
	4/9/2025	12,579	18,113,833	8.60	6,490,790
	4/8/2025 9:36:00 AM to 4/9/2025 8:36:00 AM			23.0	17,787,930

Notes:
Daily flow rates collected from facility Discharge Monitoring Reports.
1 - Total flow volume for 24-hour temporal composite sample collected at 8:36 AM on 4/9/2025 approximated based on flow rates for 4/8/2025 and 4/9/2025.

Acronyms:
gal - gallons
gpm - gallons per minute

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

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	GBC-1
Field Sample ID	CAP2Q25-CFR-BLADEN-042925	CAP2Q25-CFR-KINGS-050225	CAP2Q25-CFR-RM-76-040825	CAP2Q25-CFR-TARHEEL-040925	CAP2Q25-CFR-TARHEEL-24-040925	CAP2Q25-CFR-TARHEEL-042925	CAP2Q25-GBC-1-040825
Sample Date	4/29/2025	5/2/2025	4/8/2025	4/9/2025	4/9/2025	4/29/2025	4/8/2025
QA/QC							
Sample Delivery Group (SDG)	320-121165-1	320-121165-1	320-120453-1	320-120505-1	320-120505-1	320-121165-1	320-120453-1
Lab Sample ID	320-121165-2	320-121165-1	320-120453-1	320-120505-5	320-120505-6	320-121165-3	320-120453-2
537 Mod (ng/L)							
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	**3.8**	**3.3**	**3.6**	**3.8**	**3.9**	**3.8**	**3.5**
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.8**
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	**2.8**	**3.1**	**2.1**	**2.6**	**2.5**	**2.8**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**5.9**	**4.9**	**4.9**	**4.7**	**5.2**	**5.8**	<2.0
Perfluorohexanoic Acid	**6.5**	**6.2**	**5.6**	**5.2**	**5.3**	**6.2**	**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	**4.7 J**	**4.4**	**3.6**	**6.4**	**6.0**	**4.6 J**	**4.8**
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	**7.6**	**7.8**	**6.2**	**6.3**	**6.3**	**8.0**	**3.6**
PFOS	**13**	**13**	**12**	**10**	**11**	**13**	**2.2**

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

Location ID	LOCK-DAM NORTH	LOCK-DAM SEEP	OLDOF-2	OUTFALL 002	RIVER WATER INTAKE 2	SEEP-A-EFF	SEEP-C-EFF
Field Sample ID	CAP2Q25-LOCK-DAM-NORTH-040825	CAP2Q25-LOCK-DAM-SEEP-040825	CAP2Q25-OLDOF-2-24-040925	CAP2Q25-OUTFALL-002-24-040925	RIVER-WATER-INTAKE-24-040925	CAP2Q25-SEEP-A-24-040925	CAP2Q25-SEEP-C-24-040925
Sample Date	4/8/2025	4/8/2025	4/9/2025	4/9/2025	4/9/2025	4/9/2025	4/9/2025
QA/QC							
Sample Delivery Group (SDG)	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1
Lab Sample ID	320-120453-3	320-120453-4	320-120453-8	320-120453-6	320-120453-5	320-120453-9	320-120453-10
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
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	**2.2**	<2.0	<2.0	**3.4**	**3.6**	<2.0	<2.0
Perfluorobutanoic Acid	**37**	**54**	<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	**6.7**	**45**	<2.0	**2.4**	**2.1**	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**3.8**	**5.1**	<2.0	**5.8**	**4.6**	<2.0	<2.0
Perfluorohexanoic Acid	**7.7**	**10**	<2.0	**5.8**	**5.7**	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	**4.9**	<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	**68**	**130**	**5.2**	**4.3**	**4.3**	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**9.1**	**17**	<2.0	**6.5**	**5.4**	<2.0	<2.0
PFOS	**7.8**	**47**	<2.0	**10**	**8.7**	<2.0	<2.0

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

Location ID	WC-1	EB	EB
Field Sample ID	CAP2Q25-WC-1-24-040925	CAP2Q25-EQBLK-IS-040925	CAP2Q25-EQBLK-PP-040925
Sample Date	4/9/2025	4/9/2025	4/9/2025
QA/QC		Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-120453-1	320-120505-1	320-120505-1
Lab Sample ID	320-120453-7	320-120505-8	320-120505-7
537 Mod (ng/L)			
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**7.6**	<2.0	<2.0
Perfluorobutanoic Acid	**5.3**	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**2.0**	<2.0	<2.0
Perfluorohexanoic Acid	**3.6**	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**4.8**	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0
PFOA	**3.6**	<2.0	<2.0
PFOS	**2.6**	<2.0	<2.0

Notes:

Bold - Analyte detected above associated reporting limit

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

B - Analyte detected in an associated blank

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	**BLADEN-1DR**	**BLADEN-1DR**	**LTW-01**	**LTW-02**
Field Sample ID	**CAP2Q25-BLADEN-1DR-041725**	**CAP2Q25-BLADEN-1DR-041725-D**	**CAP2Q25-LTW-01-041625**	**CAP2Q25-LTW-02-041025**
Sample Date	**4/17/2025**	**4/17/2025**	**4/16/2025**	**4/10/2025**
QA/QC		**Field Duplicate**		
Sample Delivery Group (SDG)	**320-120693-1**	**320-120693-1**	**320-120726-1**	**320-120578-1**
Lab Sample ID	**320-120693-5**	**320-120693-6**	**320-120726-3**	**320-120578-9**
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<84	<84	<84
11Cl-PF3OUdS	<86	<86	<86	<86
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<63	<63	<63
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<63	<63	<63
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<160	<160	<160	<160
9Cl-PF3ONS	<63	<63	<63	<63
DONA	<63	<63	<63	<63
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<110	<110	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
Perfluorobutane Sulfonic Acid	<63	<63	<63	<63
Perfluorobutanoic Acid	<160	<160	<160	**220**
Perfluorodecane Sulfonic Acid	<63	<63	<63	<63
Perfluorodecanoic Acid	<63	<63	<63	<63
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<120	<120	<120
Perfluorododecanoic Acid	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<63	<63	<63
Perfluoroheptanoic Acid	<63	<63	<63	<63
Perfluorohexadecanoic Acid (PFHxDA)	<63	<63	<63	<63
Perfluorohexane Sulfonic Acid	<71	<71	<71	<71
Perfluorohexanoic Acid	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<63	<63	<63	<63
Perfluorononanoic Acid	<63	<63	<63	<63
Perfluorooctadecanoic Acid	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<63	<63	<63
Perfluoropentanoic Acid	<63	<63	**130**	**410**
Perfluorotetradecanoic Acid	<91	<91	<91	<91
Perfluorotridecanoic Acid	<63	<63	<63	<63
Perfluoroundecanoic Acid	<63	<63	<63	<63
PFOA	<63	<63	<63	<63
PFOS	<63	<63	<63	<63

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

Water Bearing Unit[1]	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	**LTW-03**	**LTW-04**	**LTW-05**	**OW-28**
Field Sample ID	**CAP2Q25-LTW-03-041625**	**CAP2Q25-LTW-04-041625**	**CAP2Q25-LTW-05-041625**	**CAP2Q25-OW-28-040325**
Sample Date	**4/16/2025**	**4/16/2025**	**4/16/2025**	**4/3/2025**
QA/QC				
Sample Delivery Group (SDG)	**320-120726-1**	**320-120726-1**	**320-120726-1**	**320-120578-1**
Lab Sample ID	**320-120726-4**	**320-120726-5**	**320-120726-6**	**320-120578-4**
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<84	<84	<84
11Cl-PF3OUdS	<86	<86	<86	<86
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<63	<63	<63
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<63	<63	<63
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<160	<160	<160	<160
9Cl-PF3ONS	<63	<63	<63	<63
DONA	<63	<63	<63	<63
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<110	<110	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
Perfluorobutane Sulfonic Acid	<63	<63	<63	<63
Perfluorobutanoic Acid	<160	**160**	**310**	<160
Perfluorodecane Sulfonic Acid	<63	<63	<63	<63
Perfluorodecanoic Acid	<63	<63	<63	<63
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<120	<120	<120
Perfluorododecanoic Acid	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<63	<63	<63
Perfluoroheptanoic Acid	<63	<63	**190**	<63
Perfluorohexadecanoic Acid (PFHxDA)	<63	<63	<63	<63
Perfluorohexane Sulfonic Acid	<71	<71	<71	<71
Perfluorohexanoic Acid	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<63	<63	<63	<63
Perfluorononanoic Acid	<63	<63	<63	<63
Perfluorooctadecanoic Acid	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<63	<63	<63
Perfluoropentanoic Acid	**470**	**640**	**2,000**	<63
Perfluorotetradecanoic Acid	<91	<91	<91	<91
Perfluorotridecanoic Acid	<63	<63	<63	<63
Perfluoroundecanoic Acid	<63	<63	<63	<63
PFOA	<63	<63	<63	<63
PFOS	<63	<63	<63	<63

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	**OW-28**	**OW-33**	**PIW-1D**	**PIW-1S[2]**
Field Sample ID	**CAP2Q25-OW-28-040325-D**	**CAP2Q25-OW-33-041525**	**CAP2Q25-PIW-1D-040425**	**--**
Sample Date	**4/3/2025**	**4/15/2025**	**4/4/2025**	**--**
QA/QC	**Field Duplicate**			
Sample Delivery Group (SDG)	**320-120578-1**	**320-120693-1**	**320-120578-1**	**--**
Lab Sample ID	**320-120578-5**	**320-120693-2**	**320-120578-6**	**--**
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<84	<84	--
11Cl-PF3OUdS	<86	<86	<86	--
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<63	<63	--
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<63	<63	--
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<110	<110	--
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<180	<180	--
6:2 Fluorotelomer sulfonate	<160	<160	<160	--
9Cl-PF3ONS	<63	<63	<63	--
DONA	<63	<63	<63	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	--
N-ethylperfluoro-1-octanesulfonamide	<110	<110	<110	--
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	--
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	--
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	--
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	--
Perfluorobutane Sulfonic Acid	<63	<63	<63	--
Perfluorobutanoic Acid	<160	<160	<160	--
Perfluorodecane Sulfonic Acid	<63	<63	<63	--
Perfluorodecanoic Acid	<63	<63	<63	--
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<120	<120	--
Perfluorododecanoic Acid	<69	<69	<69	--
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<63	<63	--
Perfluoroheptanoic Acid	<63	<63	<63	--
Perfluorohexadecanoic Acid (PFHxDA)	<63	<63	<63	--
Perfluorohexane Sulfonic Acid	<71	<71	<71	--
Perfluorohexanoic Acid	<73	<73	<73	--
Perfluorononanesulfonic Acid	<63	<63	<63	--
Perfluorononanoic Acid	<63	<63	<63	--
Perfluorooctadecanoic Acid	<120	<120	<120	--
Perfluorooctane Sulfonamide	<120	<120	<120	--
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<63	<63	--
Perfluoropentanoic Acid	<63	**100**	**140**	--
Perfluorotetradecanoic Acid	<91	<91	<91	--
Perfluorotridecanoic Acid	<63	<63	<63	--
Perfluoroundecanoic Acid	<63	<63	<63	--
PFOA	<63	<63	<63	--
PFOS	<63	<63	<63	--

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer
Location ID	**PIW-3D**	**PIW-7D**	**PIW-7S**	**PW-04**
Field Sample ID	**CAP2Q25-PIW-3D-040425**	**CAP2Q25-PIW-7D-041625**	**CAP2Q25-PIW-7S-041625**	**CAP2Q25-PW-04-041125**
Sample Date	**4/4/2025**	**4/16/2025**	**4/16/2025**	**4/11/2025**
QA/QC				
Sample Delivery Group (SDG)	**320-120578-1**	**320-120726-1**	**320-120726-1**	**320-120626-1**
Lab Sample ID	**320-120578-7**	**320-120726-2**	**320-120726-1**	**320-120626-4**
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<84	<84	<84
11Cl-PF3OUdS	<86	<86	<86	<86
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<63	<63	<63
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<63	<63	<63
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<160	<160	<160	<160
9Cl-PF3ONS	<63	<63	<63	<63
DONA	<63	<63	<63	<63
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<110	<110	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<160	<160
Perfluorobutane Sulfonic Acid	<63	<63	<63	<63
Perfluorobutanoic Acid	**300**	**190**	<160	<160
Perfluorodecane Sulfonic Acid	<63	<63	<63	<63
Perfluorodecanoic Acid	<63	<63	<63	<63
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<120	<120	<120
Perfluorododecanoic Acid	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<63	<63	<63
Perfluoroheptanoic Acid	<63	<63	<63	<63
Perfluorohexadecanoic Acid (PFHxDA)	<63	<63	<63	<63
Perfluorohexane Sulfonic Acid	<71	<71	<71	<71
Perfluorohexanoic Acid	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<63	<63	<63	<63
Perfluorononanoic Acid	<63	<63	<63	<63
Perfluorooctadecanoic Acid	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<63	<63	<63
Perfluoropentanoic Acid	**220**	**960**	**410**	<63
Perfluorotetradecanoic Acid	<91	<91	<91	<91
Perfluorotridecanoic Acid	<63	<63	<63	<63
Perfluoroundecanoic Acid	<63	<63	<63	<63
PFOA	<63	<63	<63	<63
PFOS	<63	<63	<63	<63

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	**PW-06**	**PW-07**	**PW-09**	**PW-09**
Field Sample ID	**CAP2Q25-PW-06-041525**	**CAP2Q25-PW-07-041425**	**CAP2Q25-PW-09-040325**	**CAP2Q25-PW-09-040325-Z**
Sample Date	**4/15/2025**	**4/14/2025**	**4/3/2025**	**4/3/2025**
QA/QC				
Sample Delivery Group (SDG)	**320-120693-1**	**320-120693-1**	**320-120578-1**	**320-120578-1**
Lab Sample ID	**320-120693-3**	**320-120693-1**	**320-120578-1**	**320-120578-2**
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<84	<2.0	<2.0
11Cl-PF3OUdS	<86	<86	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<63	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<63	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<110	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<180	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<160	<160	<5.0	**7.8**
9Cl-PF3ONS	<63	<63	<2.0	<2.0
DONA	<63	<63	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<110	<110	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<5.0	<5.0
N-methyl perfluoro-1-octanesulfonamide	<63	<63	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<160	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<63	<63	<2.0	<2.0
Perfluorobutanoic Acid	<160	<160	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<63	<63	<2.0	<2.0
Perfluorodecanoic Acid	<63	<63	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<120	<2.0	<2.0
Perfluorododecanoic Acid	<69	<69	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<63	<2.0	<2.0
Perfluoroheptanoic Acid	<63	<63	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<63	<63	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<71	<71	<2.0	<2.0
Perfluorohexanoic Acid	<73	<73	<2.0	<2.0
Perfluorononanesulfonic Acid	<63	<63	<2.0	<2.0
Perfluorononanoic Acid	<63	<63	<2.0	<2.0
Perfluorooctadecanoic Acid	<120	<120	<2.0	<2.0
Perfluorooctane Sulfonamide	<120	<120	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<63	<2.0	<2.0
Perfluoropentanoic Acid	<63	<63	<2.0	<2.0
Perfluorotetradecanoic Acid	<91	<91	<2.0	<2.0
Perfluorotridecanoic Acid	<63	<63	<2.0	<2.0
Perfluoroundecanoic Acid	<63	<63	<2.0	<2.0
PFOA	<63	<63	<2.0	<2.0
PFOS	<63	<63	<2.0	<2.0

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PZ-22	SMW-10	SMW-11	SMW-12
Field Sample ID	CAP2Q25-PZ-22-041625	CAP2Q25-SMW-10-040325	CAP2Q25-SMW-11-041525	CAP2Q25-SMW-12-041025
Sample Date	4/16/2025	4/3/2025	4/15/2025	4/10/2025
QA/QC				
Sample Delivery Group (SDG)	320-120726-1	320-120578-1	320-120693-1	320-120578-1
Lab Sample ID	320-120726-7	320-120578-3	320-120693-4	320-120578-8
537 Mod (ng/L)				
10:2 Fluorotelomer sulfonate	<84	<2.0	<84	<84
11Cl-PF3OUdS	<86	<2.0	<86	<86
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<63	<2.0	<63	<63
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<63	<2.0	<63	<63
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<2.0	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<4.0	<180	<180
6:2 Fluorotelomer sulfonate	<160	<5.0	<160	<160
9Cl-PF3ONS	<63	<2.0	<63	<63
DONA	<63	<2.0	<63	<63
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<5.0	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<110	<2.0	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<63	<2.0	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<5.0	<160	<160
N-methyl perfluoro-1-octanesulfonamide	<63	<2.0	<63	<63
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<160	<5.0	<160	<160
Perfluorobutane Sulfonic Acid	<63	<2.0	<63	<63
Perfluorobutanoic Acid	<160	<5.0	<160	<160
Perfluorodecane Sulfonic Acid	<63	<2.0	<63	<63
Perfluorodecanoic Acid	<63	<2.0	<63	<63
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<2.0	<120	<120
Perfluorododecanoic Acid	<69	<2.0	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<63	<2.0	<63	<63
Perfluoroheptanoic Acid	<63	<2.0	<63	<63
Perfluorohexadecanoic Acid (PFHxDA)	<63	<2.0	<63	<63
Perfluorohexane Sulfonic Acid	<71	<2.0	<71	<71
Perfluorohexanoic Acid	<73	<2.0	<73	<73
Perfluorononanesulfonic Acid	<63	<2.0	<63	<63
Perfluorononanoic Acid	<63	<2.0	<63	<63
Perfluorooctadecanoic Acid	<120	<2.0	<120	<120
Perfluorooctane Sulfonamide	<120	<2.0	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<63	<2.0	<63	<63
Perfluoropentanoic Acid	**970**	<2.0	<63	**140**
Perfluorotetradecanoic Acid	<91	<2.0	<91	<91
Perfluorotridecanoic Acid	<63	<2.0	<63	<63
Perfluoroundecanoic Acid	<63	<2.0	<63	<63
PFOA	<63	<2.0	**270**	<63
PFOS	<63	<2.0	<63	<63

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

Water Bearing Unit[1]	--	--	--
Location ID	EB	EB	EB
Field Sample ID	CAP2Q25-EQBLK-DV-040925	CAP2Q25-EQBLK-BA-041425	CAP2Q25-EQBLK-PP-041425
Sample Date	4/9/2025	4/14/2025	4/14/2025
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-120626-1	320-120626-1	320-120626-1
Lab Sample ID	320-120626-1	320-120626-3	320-120626-2
537 Mod (ng/L)			
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorobutanoic Acid	<5.0	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	<2.0	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0
PFOA	<2.0	<2.0	<2.0
PFOS	<2.0	<2.0	<2.0

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

Water Bearing Unit[1]	**--**
Location ID	**EB**
Field Sample ID	**CAP2Q25-EQBLK-DV-041725-Z**
Sample Date	**4/17/2025**
QA/QC	**Equipment Blank**
Sample Delivery Group (SDG)	**320-120764-1**
Lab Sample ID	**320-120764-1**
537 Mod (ng/L)	
10:2 Fluorotelomer sulfonate	<2.0
11Cl-PF3OUdS	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0
6:2 Fluorotelomer sulfonate	<5.0
9Cl-PF3ONS	<2.0
DONA	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0
Perfluorobutane Sulfonic Acid	<2.0
Perfluorobutanoic Acid	<5.0
Perfluorodecane Sulfonic Acid	<2.0
Perfluorodecanoic Acid	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0
Perfluorododecanoic Acid	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0
Perfluoroheptanoic Acid	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0
Perfluorohexane Sulfonic Acid	<2.0
Perfluorohexanoic Acid	<2.0
Perfluorononanesulfonic Acid	<2.0
Perfluorononanoic Acid	<2.0
Perfluorooctadecanoic Acid	<2.0
Perfluorooctane Sulfonamide	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0
Perfluoropentanoic Acid	<2.0
Perfluorotetradecanoic Acid	<2.0
Perfluorotridecanoic Acid	<2.0
Perfluoroundecanoic Acid	<2.0
PFOA	<2.0
PFOS	<2.0

Notes:

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

2 - PIW-1S was dry during the Q2 2025 Sampling event.

Bold - Analyte detected above associated reporting limit.

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

UJ – Analyte not detected. Reporting limit may not be accurate or precise.

B - Analyte detected in an associated blank

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

SDG - Sample Delivery Group

"-Z" in Sample ID denotes field filtration

< - Analyte not detected above associated reporting limit.

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

Pathway Number[1]	1	2	4	4A
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Stormwater Treatment System[4]
Flow (MG)	1,809	28.9	21	--
Program	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25	CAP SW Sampling 1Q25	--
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	STS DISCHARGE
Field Sample ID	CAP2Q25-CFR-RM-76-040825	CAP2Q25-WC-1-24-040925	CAP2Q25-OUTFALL-002-24-040925	--
Sample Date and Time[2]	04/08/25	01/08/25	04/09/25	--
Sample Delivery Group (SDG)	320-120453-1	320-118153-1	320-120453-1	--
Lab Sample ID	320-120453-1	320-118153-2	320-120453-6	--
Sample Type	Grab	Composite	Composite	--
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	ND	**0.13**	**0.02**	--
PFMOAA	ND	**0.23**	**1.1E-02**	--
PFO2HxA	**0.31**	**0.16**	**1.8E-03**	--
PFO3OA	ND	**0.03**	ND	--
PFO4DA	ND	**5.1E-03**	ND	--
PFO5DA	ND	ND	ND	--
PMPA	**0.72**	**0.23**	ND	--
PEPA	ND	**0.04**	**7.3E-04**	--
PS Acid	ND	ND	ND	--
Hydro-PS Acid	ND	**9.1E-03**	ND	--
R-PSDA	**0.22**	**0.06**	**0.01**	--
Hydrolyzed PSDA	ND	**0.13**	**0.08**	--
R-PSDCA	ND	ND	ND	--
NVHOS, Acid Form	ND	**3.9E-03**	ND	--
EVE Acid	ND	ND	ND	--
Hydro-EVE Acid	ND	ND	ND	--
R-EVE	**0.27**	**0.03**	**0.00**	--
PES	ND	ND	ND	--
PFECA B	ND	ND	ND	--
PFECA-G	ND	ND	ND	--
PFPrA	**1.59**	**0.28**	**0.00**	--
Total Attachment C Mass Discharge[7,8]	**1.03**	**0.83**	**0.05**	--
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**1.03**	**0.83**	**0.05**	--
Total Table 3+ Mass Discharge (18 compounds)[7,10]	**2.62**	**1.11**	**0.05**	--
Total Table 3+ Mass Discharge (21 Compounds)[7]	**3.09**	**1.26**	**0.15**	--

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

Pathway Number[1]	5	6A	6B	6C
Pathway Name	**Onsite Groundwater[5]**	**Seep A**	**Seep B**	**Seep C**
Flow (MG)	--	**0.11**	--	**2.7E-02**
Program	--	**CAP SW Sampling 2Q25**	--	**CAP SW Sampling 2Q25**
Location ID	--	**SEEP-A-EFF**	**SEEP-B-EFF**	**SEEP-C-EFF**
Field Sample ID	--	**CAP2Q25-SEEP-A-24-040925**	--	**CAP2Q25-SEEP-C-24-040925**
Sample Date and Time[2]	--	**04/09/25**	--	**04/09/25**
Sample Delivery Group (SDG)	--	**320-120453-1**	--	**320-120453-1**
Lab Sample ID	--	**320-120453-9**	--	**320-120453-10**
Sample Type	--	**Composite**	--	**Composite**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
HFPO-DA	**8.1E-03**	ND	--	ND
PFMOAA	**0.03**	**4.2E-05**	--	**4.7E-05**
PFO2HxA	**0.01**	ND	--	**6.5E-06**
PFO3OA	**2.2E-03**	ND	--	ND
PFO4DA	**2.8E-04**	ND	--	ND
PFO5DA	ND	ND	--	ND
PMPA	**6.1E-03**	**1.1E-05**	--	**8.2E-06**
PEPA	**2.0E-03**	ND	--	ND
PS Acid	ND	ND	--	ND
Hydro-PS Acid	**5.8E-05**	ND	--	ND
R-PSDA	**3.9E-04**	ND	--	ND
Hydrolyzed PSDA	**5.1E-04**	ND	--	ND
R-PSDCA	ND	ND	--	ND
NVHOS, Acid Form	**3.0E-04**	ND	--	ND
EVE Acid	ND	ND	--	ND
Hydro-EVE Acid	**5.0E-05**	ND	--	ND
R-EVE	**2.6E-04**	ND	--	ND
PES	ND	ND	--	ND
PFECA B	ND	ND	--	ND
PFECA-G	ND	ND	--	ND
PFPrA	ND	**5.0E-05**	--	**4.8E-05**
Total Attachment C Mass Discharge[7,8]	**0.06**	**5.5E-05**	--	**6.1E-05**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.06**	**5.5E-05**	--	**6.1E-05**
Total Table 3+ Mass Discharge (18 compounds)[7,10]	**0.08**	**1.0E-04**	--	**1.1E-04**
Total Table 3+ Mass Discharge (21 Compounds)[7]	**0.08**	**1.0E-04**	--	**1.1E-04**

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

Pathway Number[1]	6D	6E	6F	7
Pathway Name	Seep D	Lock and Dam Seep	Lock and Dam North	Outfall 003 Stream
Flow (MG)	--	8.7E-03	1.4E-03	0.14
Program	--	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25
Location ID	SEEP-D-EFF	Lock-Dam Seep	Lock-Dam North	OLDOF-2
Field Sample ID	--	CAP2Q25-LOCK-DAM-SEEP-040825	CAP2Q25-LOCK-DAM-NORTH-040825	CAP2Q25-OLDOF-2-24-040925
Sample Date and Time[2]	--	4/8/2025	04/08/25	04/09/25
Sample Delivery Group (SDG)	--	320-120453-1	320-120453-1	320-120453-1
Lab Sample ID	--	320-120453-4	320-120453-3	320-120453-8
Sample Type	--	Grab	Grab	Composite
Table 3+ Lab SOP Mass Discharge[6] (mg/s)	--			
HFPO-DA	--	1.6E-03	1.4E-04	1.2E-03
PFMOAA	--	1.1E-02	2.6E-04	4.9E-03
PFO2HxA	--	5.7E-03	1.6E-04	1.8E-03
PFO3OA	--	2.0E-03	2.9E-05	5.9E-04
PFO4DA	--	5.3E-04	4.8E-06	2.1E-04
PFO5DA	--	4.9E-05	4.3E-07	8.6E-05
PMPA	--	1.2E-03	1.6E-04	8.6E-04
PEPA	--	5.7E-04	5.0E-05	2.6E-04
PS Acid	--	ND	ND	ND
Hydro-PS Acid	--	5.3E-05	3.6E-06	4.7E-05
R-PSDA	--	1.8E-04	1.2E-05	1.0E-04
Hydrolyzed PSDA	--	1.2E-04	3.9E-07	1.3E-04
R-PSDCA	--	1.5E-06	ND	ND
NVHOS, Acid Form	--	1.7E-04	2.6E-06	8.0E-05
EVE Acid	--	ND	ND	ND
Hydro-EVE Acid	--	4.6E-05	9.1E-07	2.5E-05
R-EVE	--	5.3E-05	7.3E-06	4.5E-05
PES	--	ND	ND	ND
PFECA B	--	ND	ND	ND
PFECA-G	--	ND	ND	ND
PFPrA	--	3.7E-03	2.2E-04	2.1E-03
Total Attachment C Mass Discharge[7,8]	--	0.023	7.9E-04	9.8E-03
Total Table 3+ Mass Discharge (17 compounds)[7,9]	--	0.023	7.9E-04	9.8E-03
Total Table 3+ Mass Discharge (18 compounds)[7,10]	--	0.027	1.0E-03	1.2E-02
Total Table 3+ Mass Discharge (21 Compounds)[7]	--	0.027	1.0E-03	1.2E-02

TABLE ATT1-13
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**
Pathway Name	**Georgia Branch Creek**	
Flow (MG)	**7.9**	
Program	**CAP SW Sampling 2Q25**	
Location ID	**GBC-1**	
Field Sample ID	**CAP2Q25-GBC-1-040825**	
Sample Date and Time[2]	**04/08/25**	
Sample Delivery Group (SDG)	**320-120453-1**	
Lab Sample ID	**320-120453-2**	
Sample Type	**Grab**	
Table 3+ Lab SOP Mass Discharge[6] (mg/s)		
HFPO-DA	**0.09**	**0.25**
PFMOAA	**1.8E-02**	**0.30**
PFO2HxA	**0.07**	**0.57**
PFO3OA	**1.2E-02**	**0.05**
PFO4DA	**3.8E-03**	**9.9E-03**
PFO5DA	**8.3E-04**	**9.7E-04**
PMPA	**0.14**	**1.10**
PEPA	**0.03**	**0.08**
PS Acid	ND	ND
Hydro-PS Acid	**8.3E-03**	**1.8E-02**
R-PSDA	**0.03**	**0.32**
Hydrolyzed PSDA	ND	**0.20**
R-PSDCA	ND	**1.5E-06**
NVHOS, Acid Form	ND	**4.5E-03**
EVE Acid	ND	ND
Hydro-EVE Acid	ND	**1.2E-04**
R-EVE	**1.7E-02**	**0.32**
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
PFPrA	**0.14**	ND
Total Attachment C Mass Discharge[7,8]	**0.38**	**2.39**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.38**	**2.39**
Total Table 3+ Mass Discharge (18 compounds)[7,10]	**0.52**	**4.41**
Total Table 3+ Mass Discharge (21 Compounds)[7]	**0.56**	**5.18**

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 April sampling event there was no stormwater flow to the stormwater treatment system, so there was no mass loading calculated for this location.
5 - Due to transient conditions as a result of the groundwater remedy installation and commissioning, gradient measurements are impacted from these activities and should be considered estimates.
6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A6, and flow volumes reported in Table A2.
7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A6, which are rounded to two significant figures.
8 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
9 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
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 ATT2 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 (2025) 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.

The relationship between HFPO-DA and Total Table 3+ (17 compounds) to the Cape Fear River is shown in **Equation 3** below.

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 Table 3+ compounds across the offsite seeps.

In previous quarterly mass assessment reports, the scaling factor (or average ratio, R) was calculated using analytical data results from offsite groundwater seeps south of Outfall 003 (Seeps E to M) collected in October 2019 and March 2020. Starting Q4 2024, the scaling factor between HFPO-DA and Table 3+ compounds were updated using analytical results from 11 offsite groundwater seeps south of Outfall 003 (Seeps E to O) collected on March 18, 2024 (Figure ATT2-7 and Table ATT2-4).

The updated scaling factors (HFPO-DA to Attachment C compounds, and HFPO-DA to Total Table 3+ [17 compounds]) using the 2024 offsite seep data were within 3.7% to 4.1% of the prior values. This indicates that the updated scaling factors were effectively identical to prior scaling factors and had no bearing on the interpretation of mass loading model results, particularly since the direct aerial deposition pathway is consistently the lowest or one of the lowest contributing transport pathways.

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, 2025. 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)
4/8/2025	2848.65	2.49	0	80,665	323	19	2	5,421	0.5
4/9/2025	7693.96	4.61	0	217,869	323	21	3	5,492	1.4
								Average River Velocity:	**1.0**

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-F	SEEP-G	SEEP-G	SEEP-H	SEEP-I	SEEP-J
Field Sample ID	SEEP-E-031824	SEEP-F-031824	SEEP-G-031824	SEEP-G-031824-D	SEEP-H-031824	SEEP-I-031824	SEEP-J-031824
Sample Date	3/18/2024	3/18/2024	3/18/2024	3/18/2024	3/18/2024	3/18/2024	3/18/2024
QA/QC				DUP			
Sample Delivery Group (SDG)	320-110631-1	320-110631-1	320-110631-1	320-110631-1	320-110631-1	320-110631-1	320-110631-1
Lab Sample ID	320-110631-1	320-110631-2	320-110631-3	320-110631-4	320-110631-5	320-110631-6	320-110631-7
Table 3+ SOP (ng/L)							
HFPO-DA	**740**	**800**	**790**	**780**	**600**	**650**	**370**
PFMOAA	**270**	**240**	**150**	**140**	**91**	**110**	**55**
PFO2HxA	**540**	**640**	**590**	**530**	**270**	**360**	**130**
PFO3OA	**38**	**90**	**64**	**52**	**33**	**27**	**13**
PFO4DA	**18**	**10**	**6**	**3.7**	**3**	**2.7**	**3**
PFO5DA	**8.7**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**1,500**	**1,500**	**1,300**	**1,300**	**870**	**950**	**600**
PEPA	**570**	**510**	**510**	**520**	**350**	**440**	**180**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**44**	**19**	**12**	**12**	**16**	**12**	**5.2**
R-PSDA	**300**	**330**	**210**	**230**	**75**	**120**	**32**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS	**8.8**	**7.3**	**6.5**	**4.6**	**5.1**	**6.7**	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**3.4**	**2.3**	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**110**	**130**	**86**	**87**	**34**	**48**	**15**
PES	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPrA	**1,000**	**1,200**	**930**	**970**	**640**	**730**	**500**
Total Attachment C (ng/L)[1,2]	**3,700**	**3,800**	**3,400**	**3,300**	**2,200**	**2,600**	**1,400**
Total Table 3+ (17 compounds) (ng/L)[2,3]	**3,700**	**3,800**	**3,400**	**3,300**	**2,200**	**2,600**	**1,400**
Total Table 3+ (18 Compounds) (ng/L)[2,4]	**4,700**	**5,000**	**4,400**	**4,300**	**2,900**	**3,300**	**1,900**
Total Table 3+ (21 Compounds) (ng/L)[2]	**5,200**	**5,500**	**4,700**	**4,600**	**3,000**	**3,500**	**1,900**
Ratio of Total Attachment C to HFPO-DA	**5.0**	**4.8**	**4.3**	**4.2**	**3.7**	**4.0**	**3.8**
Ratio of Total Table 3+ (17 compounds) to HFPO-DA	**5.0**	**4.8**	**4.3**	**4.2**	**3.7**	**4.0**	**3.8**
Ratio of Total Table 3+ (18 Compounds) to HFPO-DA	**6.4**	**6.3**	**5.6**	**5.5**	**4.8**	**5.1**	**5.1**
Ratio of Total Table 3+ (21 Compounds) to HFPO-DA	**7.0**	**6.9**	**5.9**	**5.9**	**5.0**	**5.4**	**5.1**
Average Ratio of Total Attachment C to HFPO-DA	**5.05**						
Average Ratio of Total Table 3+ (17 compounds) to HFPO-DA	**5.05**						
Average Ratio of Total Table 3+ (18 Compounds) to HFPO-DA	**6.61**						
Average Ratio of Total Table 3+ (21 Compounds) to HFPO-DA	**6.99**						

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

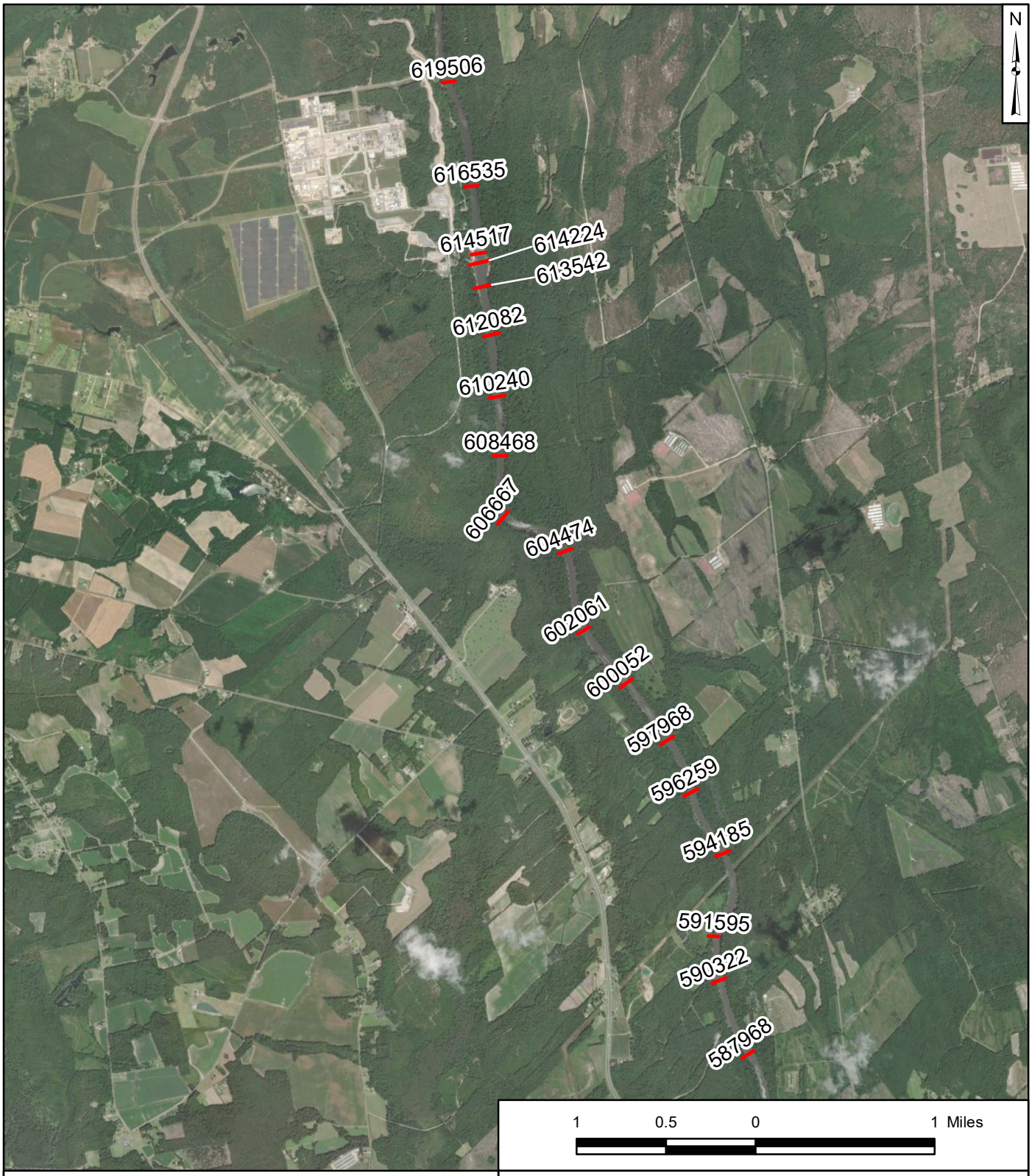
Location ID	SEEP-K	SEEP-L	SEEP-M	SEEP-N	SEEP-O
Field Sample ID	SEEP-K-031824	SEEP-L-031824	SEEP-M-031824	SEEP-N-031824	SEEP-O-031824
Sample Date	3/18/2024	3/18/2024	3/18/2024	3/18/2024	3/18/2024
QA/QC					
Sample Delivery Group (SDG)	320-110620-1	320-110620-1	320-110620-1	320-110620-1	320-110620-1
Lab Sample ID	320-110620-1	320-110620-2	320-110620-3	320-110620-4	320-110620-5
Table 3+ SOP (ng/L)					
HFPO-DA	**340**	**330**	**650**	**280**	**270**
PFMOAA	**140**	**98**	**110**	**360**	**200**
PFO2HxA	**230**	**270**	**340**	**330**	**200**
PFO3OA	**27**	**22**	**23**	**35**	**12**
PFO4DA	**5**	**4**	**3**	**4.5**	**2.3**
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**950**	**870**	**1,200**	**680**	**1,100**
PEPA	**320**	**290**	**440**	**230**	**310**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**23**	**24**	**15**	**60**	**23**
R-PSDA	**61**	**83**	**50**	**100**	**110**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	<2.0
R-PSDCA	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS	**4.5**	**7.9**	<3.0	**11**	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	**2.8**	<2.0
R-EVE	**21**	**24**	**16**	**24**	**36**
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
PFPrA	**550**	**650**	**670**	**540**	**800**
Total Attachment C (ng/L)[1,2]	**2,000**	**1,900**	**2,800**	**2,000**	**2,100**
Total Table 3+ (17 compounds) (ng/L)[2,3]	**2,000**	**1,900**	**2,800**	**2,000**	**2,100**
Total Table 3+ (18 Compounds) (ng/L)[2,4]	**2,600**	**2,600**	**3,500**	**2,500**	**2,900**
Total Table 3+ (21 Compounds) (ng/L)[2]	**2,700**	**2,700**	**3,500**	**2,700**	**3,100**
Ratio of Total Attachment C to HFPO-DA	**5.9**	**5.8**	**4.3**	**7.1**	**7.8**
Ratio of Total Table 3+ (17 compounds) to HFPO-DA	**5.9**	**5.8**	**4.3**	**7.1**	**7.8**
Ratio of Total Table 3+ (18 Compounds) to HFPO-DA	**7.6**	**7.9**	**5.4**	**8.9**	**10.7**
Ratio of Total Table 3+ (21 Compounds) to HFPO-DA	**7.9**	**8.2**	**5.4**	**9.6**	**11.5**
Average Ratio of Total Attachment C to HFPO-DA	**5.1**				
Average Ratio of Total Table 3+ (17 compounds) to HFPO-DA	**5.05**				
Average Ratio of Total Table 3+ (18 Compounds) to HFPO-DA	**6.61**				
Average Ratio of Total Table 3+ (21 Compounds) to HFPO-DA	**6.99**				

Notes:
1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
2 - Total Table 3+ and Total Attachment C were calculated including J qualified data but not non-detect data. The sum is rounded to two significant figures.
3 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.
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.

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	1.0	1056.89	0.85	1.4	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	48,300	1.0	1056.89	0.46	0.3	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	89,570	1.0	1056.89	0.86	0.5	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	57,813	1.0	1056.89	0.55	0.4	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	55,672	1.0	1056.89	0.53	0.2	0.00011
												Total HFPO-DA:	**0.0011**
												Total Attachment C[5]:	**0.01**
												Total Table 3+ (17 Compounds)[6]:	**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 April 8 - 9, 2025, 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, R-EVE, and PFPrA.
$\mu g/m^2/yr$: 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

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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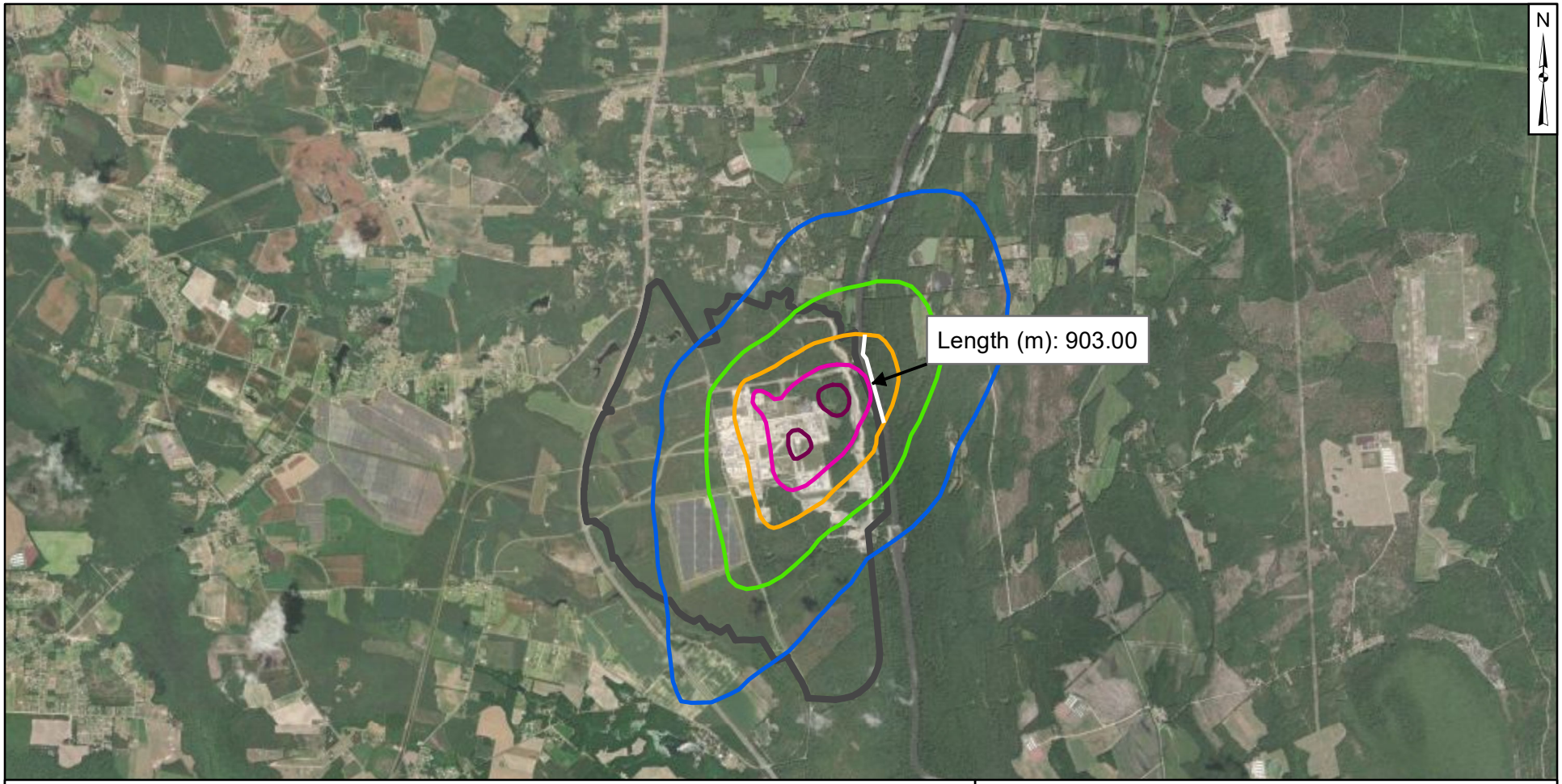
Figure

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 Down-River Section 2

Chemours Fayetteville Works, North Carolina

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Figure

ATT2-2

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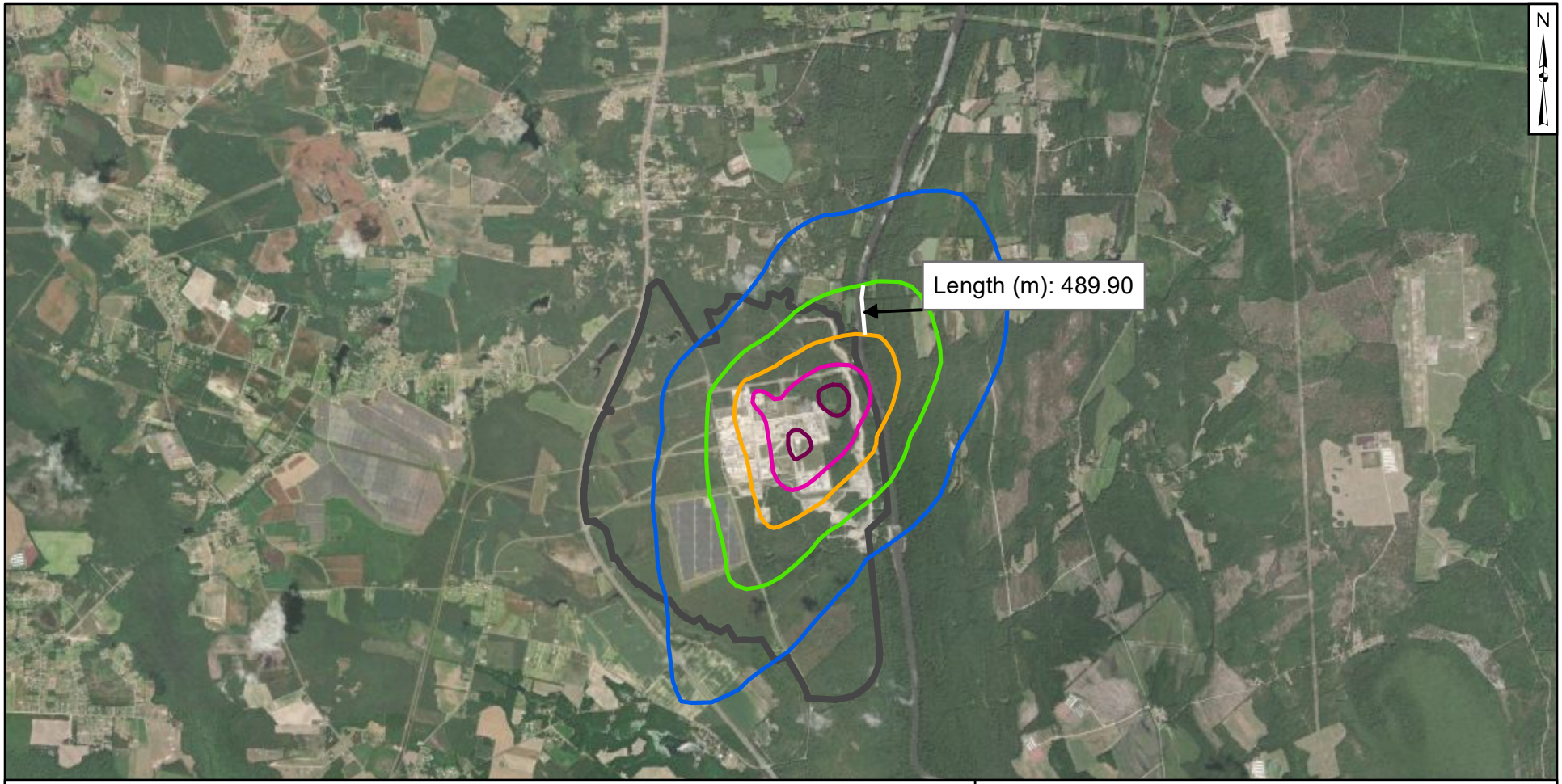
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

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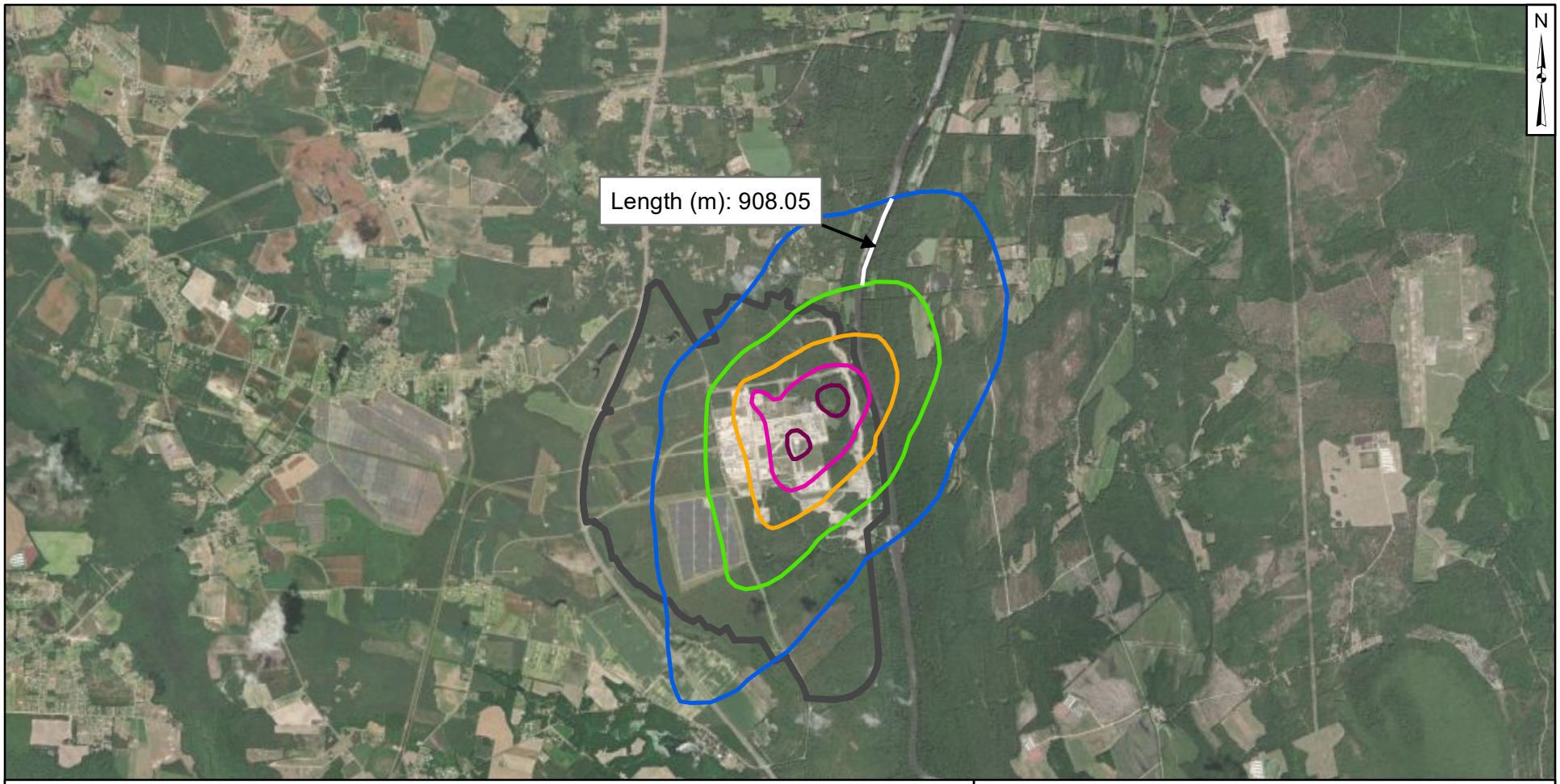
Figure
ATT2-3

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

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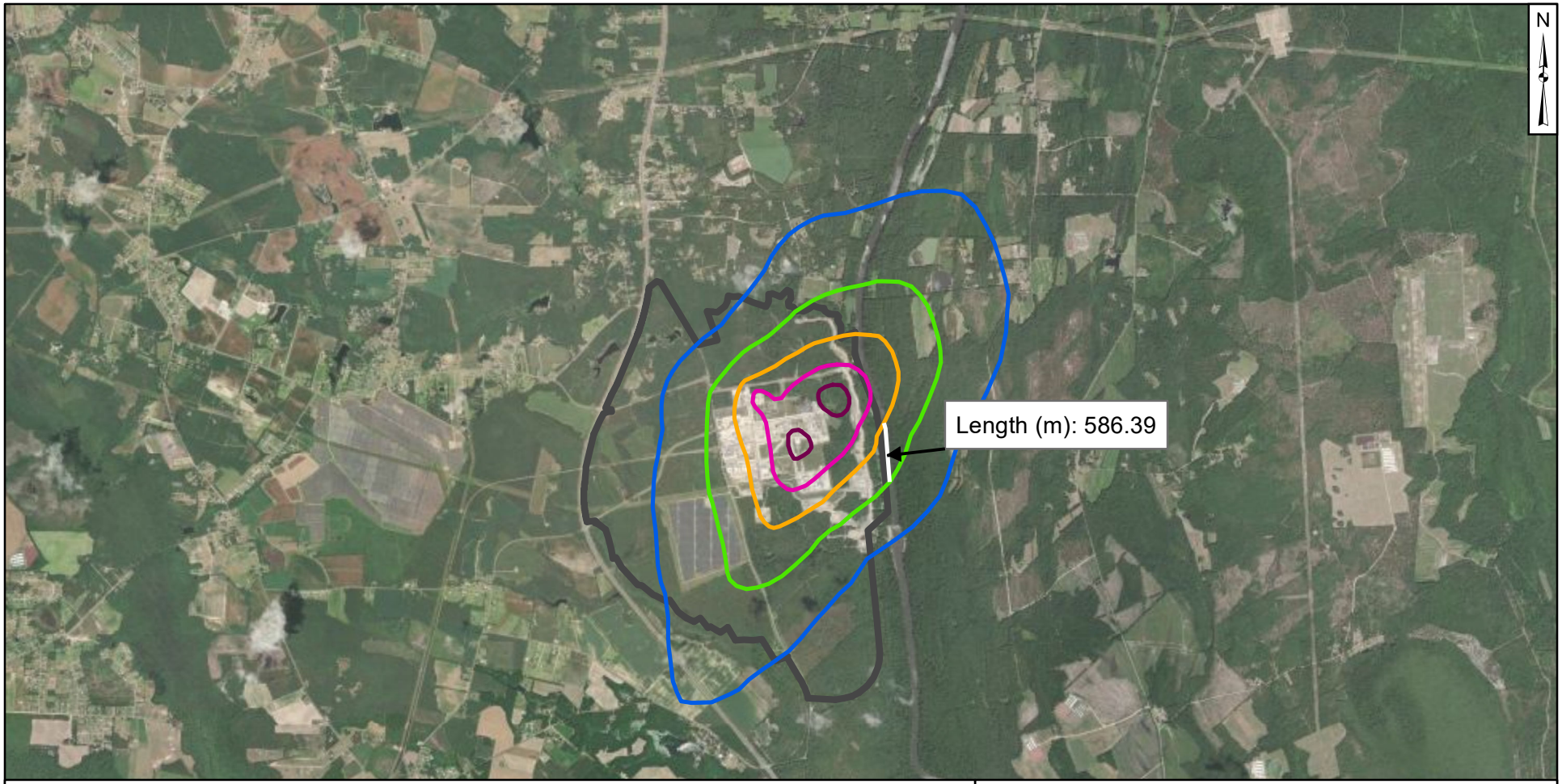
Figure
ATT2-4

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



Legend

Site Boundary

Modeled Deposition Contours, October 2018 Scenario

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

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

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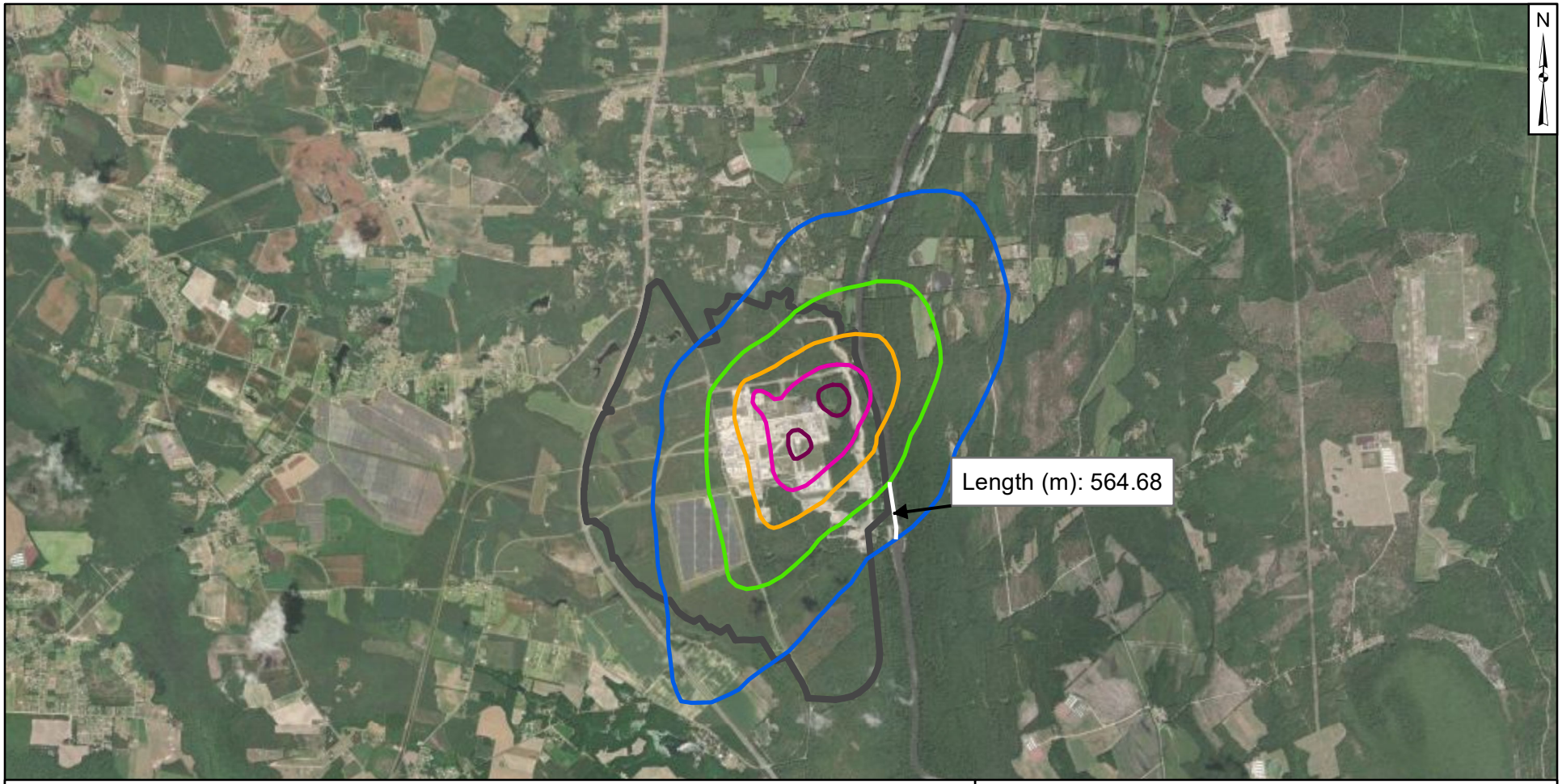
Figure
ATT2-5

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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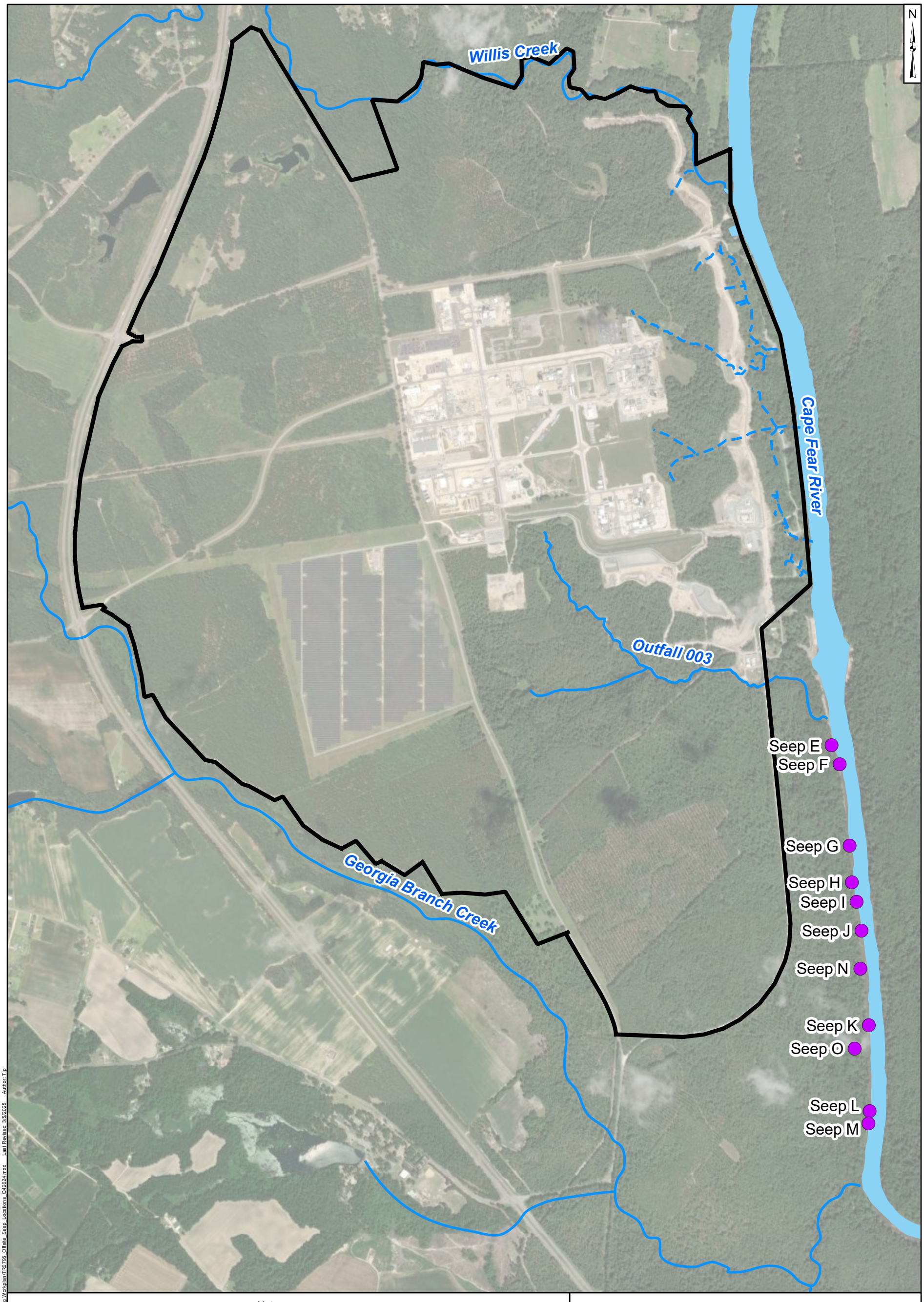
Figure
ATT2-6

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



Legend

- Offsite Seep Location South of Outfall 003
- Observed Seep
- Nearby Tributary
- Site Boundary

Notes:
1. Seep E to O 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, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Offsite Seep Locations South of Outfall 003

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Path: \\raleigh-01\data\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Offsite_Seep_Locations_Q42024.mxd Last Revised: 3/5/2025 Author: Tlp

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

Geosyntec consultants

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

Attachment ATT3
Onsite Groundwater Pathway

Introduction and Objective

Based on the conceptual site model, the Black Creek Aquifer and the Flood Plain deposits at the river bank are the primary hydrogeologic units that are potentially in hydraulic connection with the Cape Fear River. The Cape Fear River stage is lower than the top of the Black Creek Aquifer, except during peak rainfall or flooding, indicating that the Cape Fear River is a discharge boundary for the aquifer. Onsite groundwater from the Black Creek Aquifer discharging to the Cape Fear River is therefore a potential pathway for per- and polyfluoroalkyl substances (PFAS) mass loading to the Cape Fear River. This pathway was identified as Transport Pathway Number 5 in the PFAS mass loading in this report. The objective of the supporting calculations presented in this appendix is to estimate PFAS mass loading from onsite groundwater discharge based on calculated PFAS mass flux for segments of the Black Creek Aquifer along the river frontage.

Prior to Q2 2023, hydraulic gradients were derived from potentiometric maps. Since Q2 2023, hydraulic gradients were estimated between well pairs downgradient of the remedy, since the prior method is considered not appropriate for these new conditions since barrier wall results in a discontinuous potentiometric surface. This change will continue to be incorporated in future mass loading assessments.

Approach

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

1. The Cape Fear River frontage was divided into nine segments (Figure ATT3-1). Each segment includes one well pair, consisting of:
    a. One primary groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action Plan[1] (Geosyntec, 2019); and
    b. One secondary paired groundwater monitoring well that is generally west of the groundwater monitoring well, east of the Barrier Wall remedy, and also considered representative of the Black Creek Aquifer.
2. The thickness of the Black Creek Aquifer (h) was estimated for each segment based on the segment length and the cross-sectional area of the Black Creek Aquifer, as determined by the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Geosyntec, 2019):

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

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

where,

h = the Black Creek Aquifer thickness [ft];

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

l = the segment length [ft].

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

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

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

where,

i = the hydraulic gradient [ft/ft];

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

d = the distance between the two wells [ft]

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

4. The hydraulic conductivity (K) was estimated for each segment using the results of constant rate tests performed at five extraction wells installed in the Black Creek Aquifer upstream of the river frontage (Geosyntec, 2021). The extraction wells used to determine the hydraulic conductivity for each segment are as follows, based on their locations relative to the segments (Figure ATT 3-1):

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

5. The total PFAS concentration for each segment was determined based on grab samples collected from the primary groundwater monitoring wells. PFAS analytical results for these groundwater samples are presented in Table A6 in Appendix A and in Table ATT1-12 in Attachment ATT1.

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

$$Q = lhKiCf$$

where,

Q = the mass flux [mg/sec];

l = the segment length [ft];

h = the Black Creek Aquifer thickness [ft];

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

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

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

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

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

Potential Future Methodology Modifications

The groundwater flows in the Black Creek Aquifer have changed due to the implementation of the groundwater extraction system and the barrier wall construction remedy. Adjustments to this calculation methodology were made since Q2 2023 and may be required in future assessments based on changes in conditions or refinement of Site knowledge.

References

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

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

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

											Total Attachment C[5]		Total Table 3+ (17 Compounds)[6]		Total Table 3+ (18 Compounds)[7]		Total Table 3+ (21 Compounds)	
Segment	**Primary Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Secondary Paired Well[2]**	**Difference in Hydraulic Head[3] (ft)**	**Difference in Distance (ft)**	**Hydraulic Gradient (ft/ft)**	**Hydraulic Conductivity[4] (ft/sec)**	**Concentration[7] (ng/L)**	**Mass Loading[8] (mg/s)**	**Concentration[7] (ng/L)**	**Mass Loading[8] (mg/s)**	**Concentration[1] (ng/L)**	**Mass Loading (mg/s)**	**Concentration[7] (ng/L)**	**Mass Loading[8] (mg/s)**
1	PIW-1D	4/4/2025	1,150	13,400	11.7	OW-14	-1.34	305.47	0.0044	1.71E-04	44,000	0.0125	44,000	0.0125	53,000	0.0150	54,000	0.0153
2	PIW-3D	4/4/2025	873	11,010	12.6	OW-44	-0.47	351.79	0.0013	1.71E-04	73,000	0.0052	73,000	0.0052	89,000	0.0063	90,000	0.0064
3	LTW-02	4/10/2025	875	5,560	6.4	OW-45	-0.23	399.66	0.0006	1.02E-04	110,000	0.0010	110,000	0.0010	130,000	0.0012	140,000	0.0013
4	LTW-03	4/16/2025	729	2,800	3.9	OW-46	-1.67	510.17	0.0033	1.02E-04	160,000	0.0043	160,000	0.0043	190,000	0.0051	200,000	0.0053
5	PZ-22	4/16/2025	656	15,200	23.2	OW-22	-0.28	370.47	0.0008	3.28E-04	220,000	0.0235	220,000	0.0235	280,000	0.0300	290,000	0.0310
6	PIW-7D	4/16/2025	524	16,000	30.5	OW-48	0.29	331.98	0	3.28E-04	130,000	0	130,000	0	170,000	0	170,000	0
7	LTW-05	4/16/2025	672	11,800	19.4	OW-25	-0.42	398.47	0.0011	1.28E-04	270,000	0.0135	270,000	0.0135	360,000	0.0179	360,000	0.0179
8	OW-28	4/3/2025	594	15,500	26.0	OW-27	-0.23	216.60	0.0011	2.59E-04	16,000	0.0019	16,000	0.0019	20,000	0.0024	20,000	0.0024
9	OW-33	4/15/2025	1607	46,300	28.8	OW-30	0.35	297.99	0	2.59E-04	22,000	0	22,000	0	27,000	0	27,000	0
										Total	**--**	**0.0619**	**--**	**0.0619**	**--**	**0.0779**	**--**	**0.0797**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure ATT3-2).
2 - Second paired well is east of the Barrier Wall remedy and west of the primary well.
3 - Groundwater elevation difference for hydraulic gradient based on water levels measured on January 14, 2025 (Figure ATT3-3).
4 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Attachment ATT3.
5 - Attachment C does not include Perfluorohepthanoic acid (PFHpA).
6 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
7 - Total Table 3+ (18 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, and R-EVE.
8 - Detailed PFAS Concentrations provided in Appendix A.
9 - A value of zero represents a negative mass loading value (i.e., computed negative gradient).
-- not applicable
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/s - milligrams per second
ng/L - nanograms per liter

TABLE ATT3-2
Q2 2025 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Hydraulic Gradient[1,2] (ft/ft)	Hydraulic Conductivity (ft/sec)[1]	Flow Upper Bound (ft^3/sec)	Flow Upper Bound (gal /day)
1	13,400	0.0044	1.71E-04	1.00E-02	6,472
2	11,010	0.0013	1.71E-04	2.51E-03	1,622
3	5,560	0.0006	1.02E-04	3.25E-04	210
4	2,800	0.0033	1.02E-04	9.42E-04	609
5	15,200	0.0008	3.28E-04	3.78E-03	2,442
6	16,000	0	3.28E-04	0	0
7	11,800	0.0011	1.28E-04	1.59E-03	1,026
8	15,500	0.0011	2.59E-04	4.25E-03	2,750
9	46,300	0	2.59E-04	0	0
				0.023	**15,131**

Notes

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

2 - Hydraulic gradient based on water levels measured on January 14, 2025 (Figure ATT3-3).

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

Cape Fear River

PIW-1S
Segment 1
OW-14
PIW-1D
EW-1
Segment 2
OW-44
PIW-3D
LTW-02
Segment 3
OW-45
Seep A
EW-4
LTW-03
OW-46
Segment 4
Seep B
Segment 5
OW-22
PZ-22
EW-5
Segment 6
OW-48
PIW-7D
PIW-7S
OW-25
LTW-05
EW-2
Seep C
Segment 7
OW-28
Seep D
OW-27
Segment 8
EW-3
OW-33
OW-30
Outfall 003
Segment 9
Lock and Dam Seep North
Lock and Dam Seep

0.5 0.25 0 0.5 Miles

N

Legend

- Floodplain Deposits Monitoring Well
- Black Creek Aquifer Monitoring Well
- Well Pair for Gradient Calculation
- Extraction Well
- Observed Seep
- Nearby Tributary
- Site Boundary
- Segment Line
- North Forcemain
- South Forcemain
- Barrier Wall
- Distance Between Wells

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

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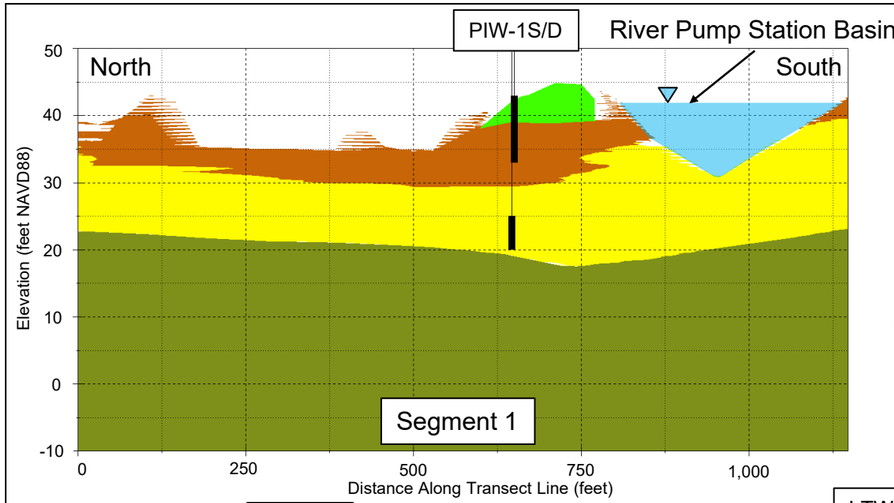
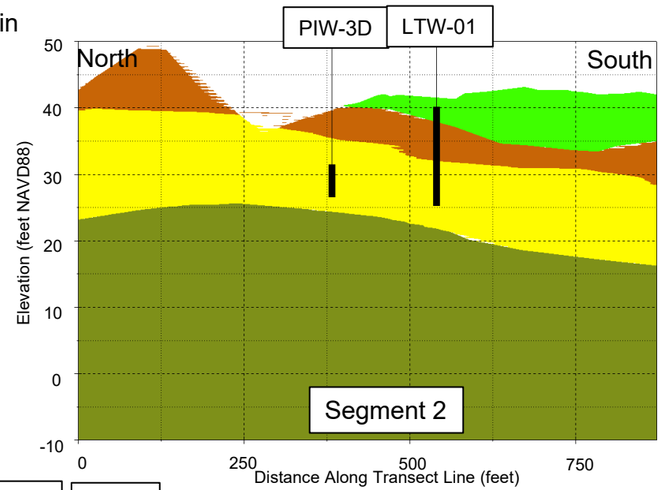
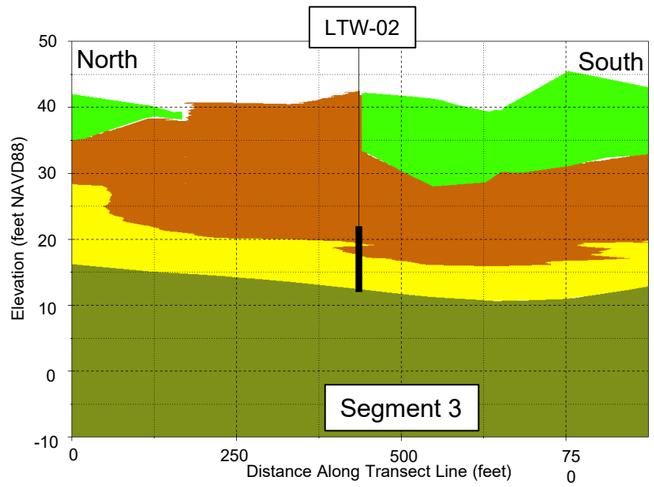
Figure
ATT3-1

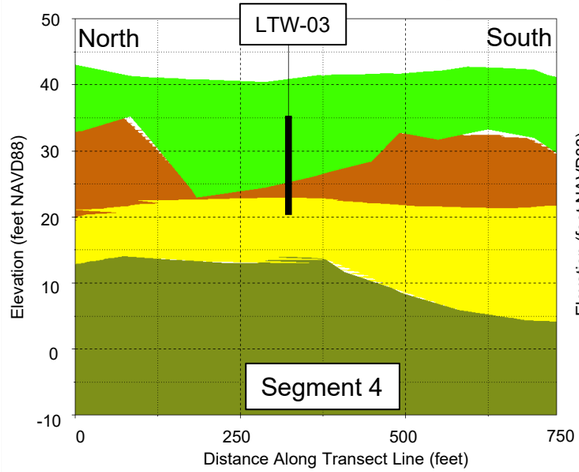
Path: \\Geiiph-01\Data\PBJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 Black CreekAquiferSegmentsforGroundwaterPathway Q12025.mxd Last Revised: 4/30/2025 Author: Tip

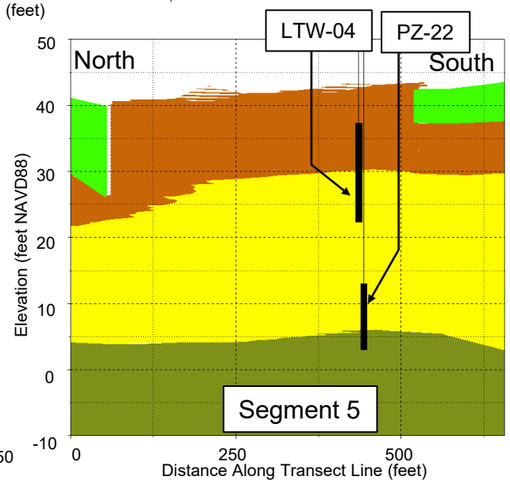
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

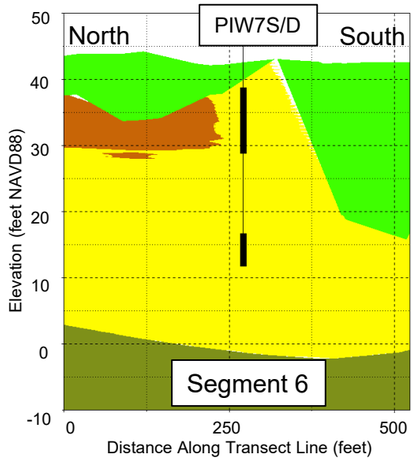


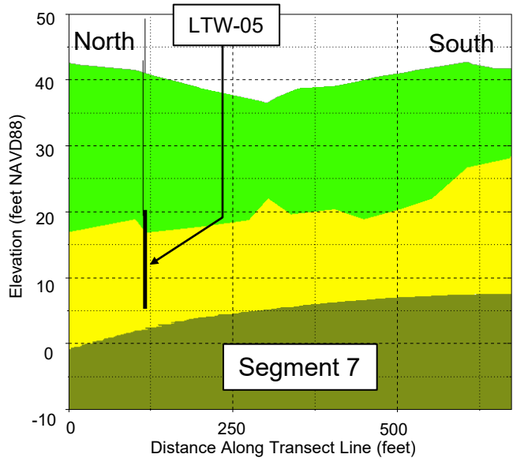


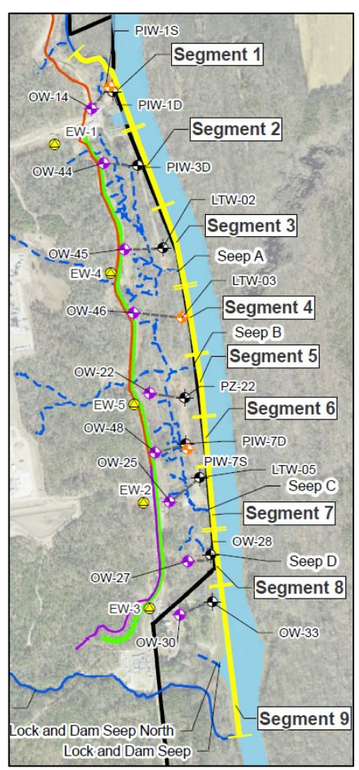


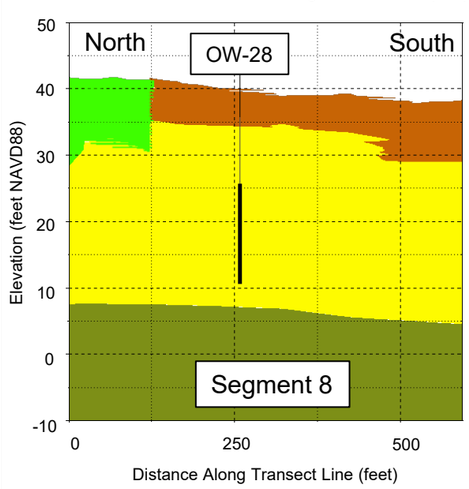


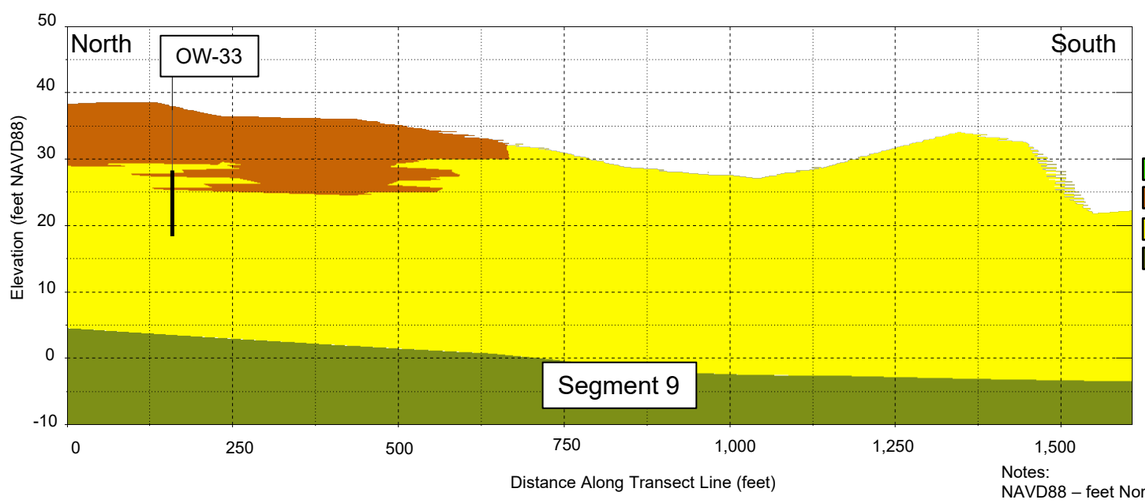












Legend

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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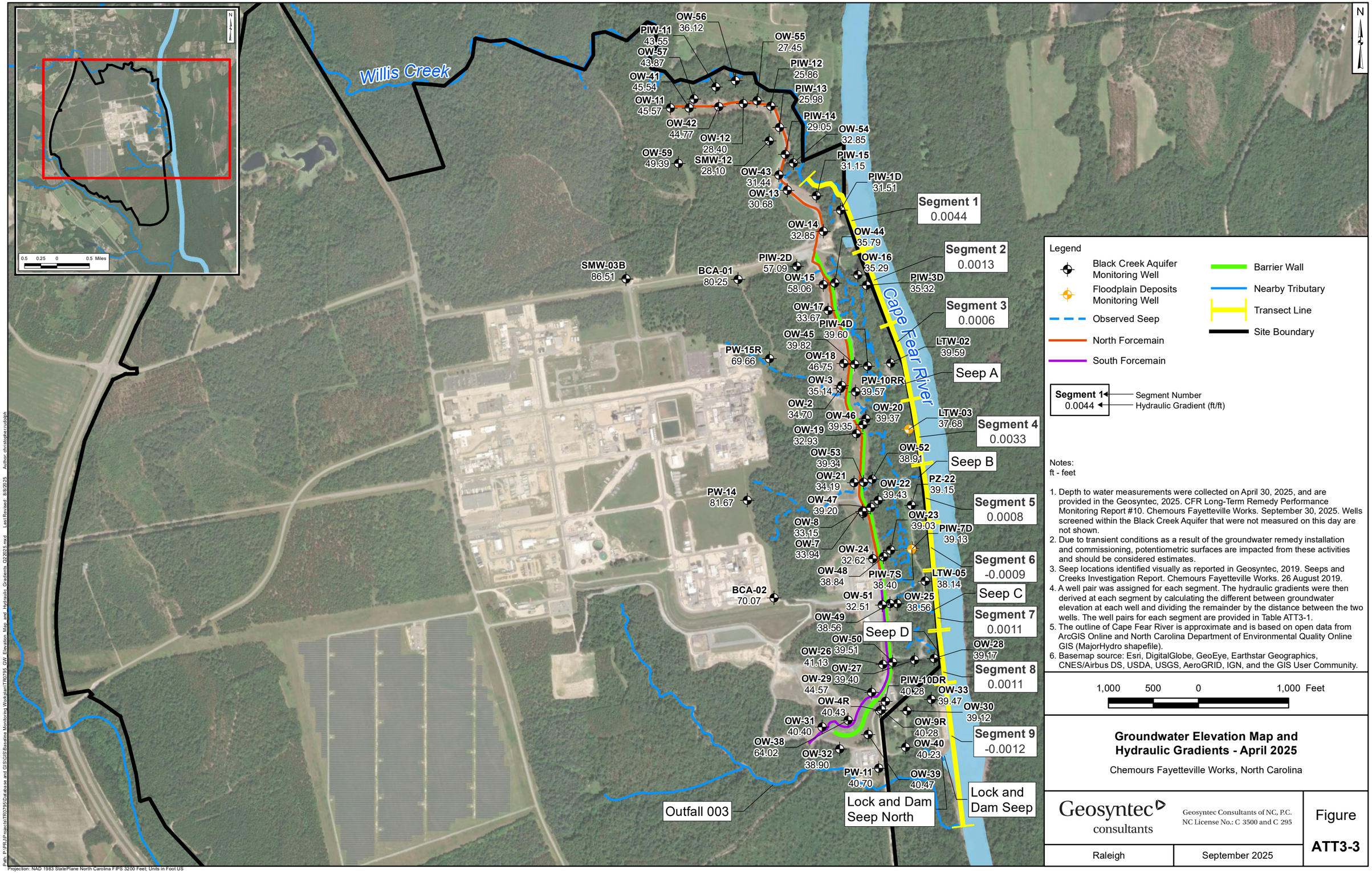
Figure
ATT3-2



Notes:
ft - feet

1. Depth to water measurements were collected on April 30, 2025, and are provided in the Geosyntec, 2025. CFR Long-Term Remedy Performance Monitoring Report #10. Chemours Fayetteville Works. September 30, 2025. Wells screened within the Black Creek Aquifer that were not measured on this day are not shown.
2. Due to transient conditions as a result of the groundwater remedy installation and commissioning, potentiometric surfaces are impacted from these activities and should be considered estimates.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. A well pair was assigned for each segment. The hydraulic gradients were then derived at each segment by calculating the different between groundwater elevation at each well and dividing the remainder by the distance between the two wells. The well pairs for each segment are provided in Table ATT3-1.
5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
6. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map and Hydraulic Gradients - April 2025

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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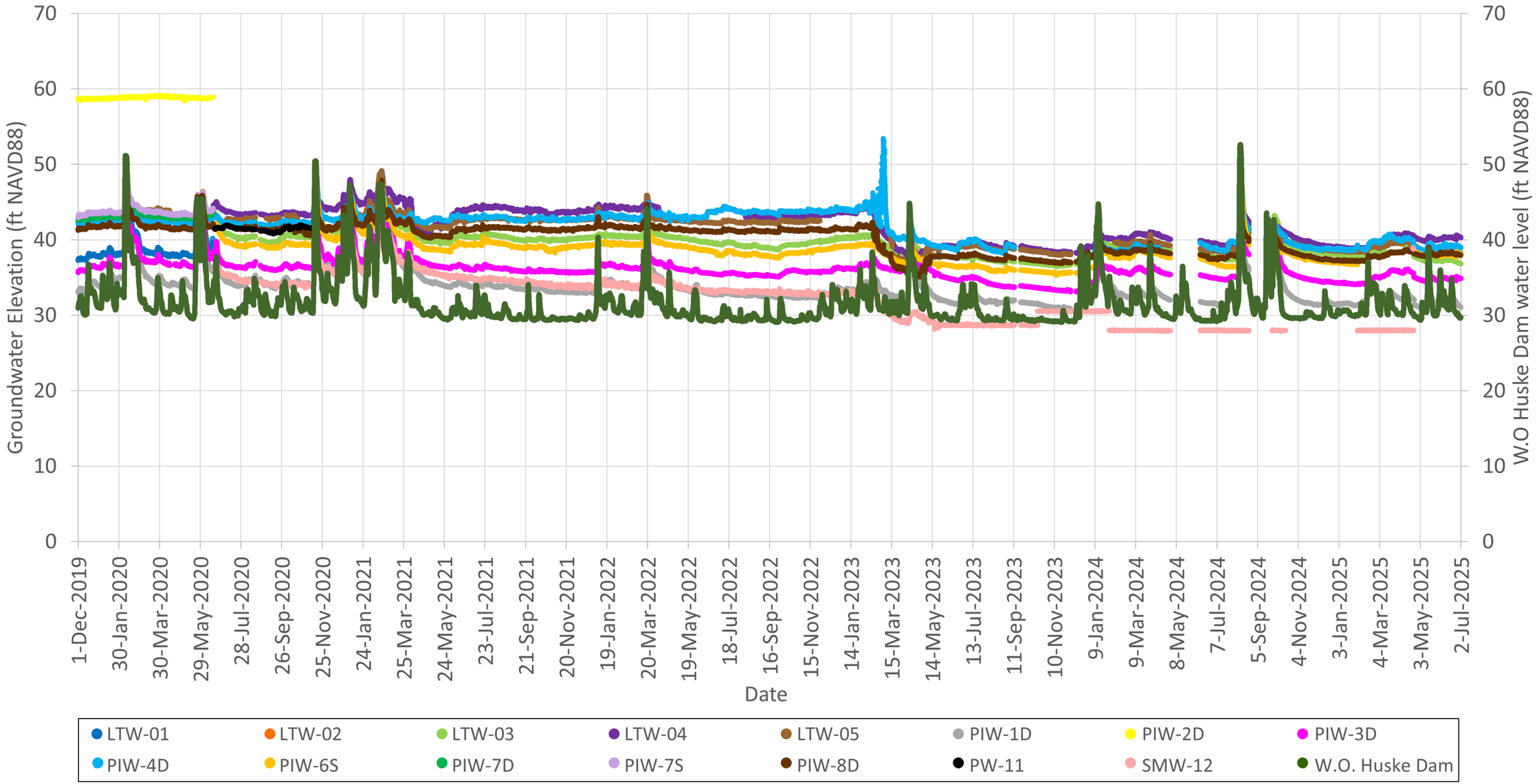
Figure **ATT3-3**

Path: P:\PR_JP\projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Elevation_Map_and_Hydraulic_Gradients_Q22025.mxd Last Revised: 8/8/2025 Author: christopher.rudolph

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



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

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

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Raleigh | September 2025

Figure **ATT3-4**

Appendix B

Supplemental Tables

TABLE B1-1
OUTFALL 003 CAPTURED MASS LOAD BY COMPOUND AND TIME INTERVAL - Q2 2025
Chemours Fayetteville Works, North Carolina

Interval Details					Calculated Captured Mass Load (lbs)[1]																			
Interval ID	Start Time	End Time	Duration (hours)	Total Flow (MG)	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	Total Table 3+ (17 compounds)[2]
OF003_2025_Q2_1	4/1/25 0:00	4/30/25 23:59	720	12.9	0.17	0.42	0.22	0.047	0.025	0.011	0.088	0.033	0	0.0073	0.0054	0.011	0	0.0068	0	0.0035	0	0	0	0	1.0
OF003_2025_Q2_2	5/1/25 0:00	5/31/25 23:59	744	13.8	0.20	0.58	0.20	0.063	0.034	0.018	0.10	0.041	0	0.010	0.010	0.010	0	0.012	0	0.0043	0	0	0	0	1.3
OF003_2025_Q2_3	6/1/25 0:00	6/30/25 23:59	720	13.2	0.17	0.43	0.18	0.050	0.033	0.019	0.10	0.037	0	0.0090	0.013	0.014	0	0.0085	0	0.0042	0.0055	0	0	0	1.1
		Total	**40.0**	**0.54**	**1.4**	**0.59**	**0.16**	**0.092**	**0.048**	**0.29**	**0.11**	**0**	**0.026**	**0.028**	**0.035**	**0**	**0.027**	**0**	**0.012**	**0.0055**	**0**	**0**	**0**	**3.3**	

Notes:
1 - The calculated captured mass load is a product of the concentration difference in the influent and the effluent samples and total flow at the influent for the sampling interval.
2 - Total Table 3+ (17 compounds) does not include PFHpA, R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
Where mass loads are equal to 0 lbs, the compound was not detected above the reporting limit.
OF003 - previously Old Outfall 002 treatment system
lbs - pounds
MG - million gallons

TABLE B1-2
STORMWATER TREATMENT SYSTEM CAPTURED MASS LOAD
BY COMPOUND AND DATE - Q2 2025
Chemours Fayetteville Works, North Carolina

Date[1]	Total Flow (MG)[2]	Calculated Captured Mass Load (kg) [3,4]			
		HFPO-DA	PFMOAA	PMPA	Total of 3 Compounds [5]
4/2/25	0.13	0.030	0.0054	0.0016	0.037
4/8/25	0.21	0.043	0.0062	0.0029	0.052
4/9/25	0.31	0.064	0.0092	0.0043	0.077
4/10/25	0.10	0.021	0.0031	0.0014	0.026
4/16/25	0.22	0.047	0.0081	0.0027	0.058
4/17/25	0.11	0.023	0.0040	0.0013	0.029
4/30/25	0.08	0.026	0.0036	0.0011	0.031
5/12/25	0.19	0.061	0.0056	0.0034	0.070
5/13/25	0.30	0.097	0.0090	0.0055	0.112
5/14/25	0.25	0.054	0.0044	0.0027	0.062
5/15/25	0.12	0.026	0.0021	0.0013	0.029
5/20/25	0.20	0.046	0.0041	0.0025	0.052
5/21/25	0.13	0.030	0.0027	0.0016	0.034
5/27/25	0.13	0.044	0.0025	0.0017	0.048
6/2/25	0.15	0.034	0.0050	0.0017	0.041
6/3/25	0.23	0.053	0.0077	0.0026	0.063
6/4/25	0.32	0.071	0.0089	0.0032	0.083
6/5/25	0.31	0.069	0.0087	0.0031	0.080
6/6/25	0.20	0.045	0.0057	0.0020	0.053
6/10/25	0.03	0.005	0.0004	0.0002	0.006
6/11/25	0.32	0.060	0.0045	0.0024	0.067
6/12/25	0.04	0.008	0.0006	0.0003	0.009
6/16/25	0.21	0.046	0.0028	0.0021	0.051
6/17/25	0.22	0.047	0.0029	0.0022	0.052
6/24/25	0.19	0.051	0.0030	0.0023	0.057
6/25/25	0.04	0.010	0.0006	0.0005	0.012
Total	**4.7**	**1.1**	**0.12**	**0.057**	**1.3**

Notes:

1 - Listed dates are days when flow was recorded at the Stormwater Treatment System.

2 - Total daily flows were based on the volume recorded via a totalizer at the Stormwater Treatment System effluent.

3 - The calculated captured mass load is a product of the concentration difference in the influent

4 - For days where only flow was recorded, the concentrations from the closest date were used to calculate mass loads.

5 - Only HFPO-DA, PFMOAA and PMPA are recorded at this location. Thus, the total captured mass load presented here is summed over these three compounds only.

6 - Data presented are based on Monthly Monitoring Reports submitted to the North Carolina Department of Environmental Quality by Chemours.

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-1
Field Sample ID	CAP2Q25-CFR-BLADEN-042925	CAP2Q25-CFR-KINGS-050225	CAP2Q25-CFR-RM-76-040825	CAP2Q25-CFR-TARHEEL-040925	CAP2Q25-CFR-TARHEEL-24-040925	CAP2Q25-CFR-TARHEEL-042925	CAP2Q25-GBC-1-040825
Sample Date	4/29/2025	5/2/2025	4/8/2025	4/9/2025	4/9/2025	4/29/2025	4/8/2025
QA/QC							
Sample Delivery Group (SDG)	320-121165-1	320-121165-1	320-120453-1	320-120505-1	320-120505-1	320-121165-1	320-120453-1
Lab Sample ID	320-121165-2	320-121165-1	320-120453-1	320-120505-5	320-120505-6	320-121165-3	320-120453-2
537 Mod (ng/L)							
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	**3.8**	**3.3**	**3.6**	**3.8**	**3.9**	**3.8**	**3.5**
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.8**
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	**2.8**	**3.1**	**2.1**	**2.6**	**2.5**	**2.8**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**5.9**	**4.9**	**4.9**	**4.7**	**5.2**	**5.8**	<2.0
Perfluorohexanoic Acid	**6.5**	**6.2**	**5.6**	**5.2**	**5.3**	**6.2**	**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	**4.7 J**	**4.4**	**3.6**	**6.4**	**6.0**	**4.6 J**	**4.8**
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	**7.6**	**7.8**	**6.2**	**6.3**	**6.3**	**8.0**	**3.6**
PFOS	**13**	**13**	**12**	**10**	**11**	**13**	**2.2**

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

Location ID	LOCK-DAM NORTH	LOCK-DAM SEEP	OLDOF-2	OUTFALL 002	RIVER WATER INTAKE 2	SEEP-A-EFF	SEEP-C-EFF
Field Sample ID	CAP2Q25-LOCK-DAM-NORTH-040825	CAP2Q25-LOCK-DAM-SEEP-040825	CAP2Q25-OLDOF-2-24-040925	CAP2Q25-OUTFALL-002-24-040925	RIVER-WATER-INTAKE 24-040925	CAP2Q25-SEEP-A-24-040925	CAP2Q25-SEEP-C-24-040925
Sample Date	4/8/2025	4/8/2025	4/9/2025	4/9/2025	4/9/2025	4/9/2025	4/9/2025
QA/QC							
Sample Delivery Group (SDG)	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1	320-120453-1
Lab Sample ID	320-120453-3	320-120453-4	320-120453-8	320-120453-6	320-120453-5	320-120453-9	320-120453-10
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
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	**2.2**	<2.0	<2.0	**3.4**	**3.6**	<2.0	<2.0
Perfluorobutanoic Acid	**37**	**54**	<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	**6.7**	**45**	<2.0	**2.4**	**2.1**	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**3.8**	**5.1**	<2.0	**5.8**	**4.6**	<2.0	<2.0
Perfluorohexanoic Acid	**7.7**	**10**	<2.0	**5.8**	**5.7**	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	**4.9**	<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	**68**	**130**	**5.2**	**4.3**	**4.3**	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**9.1**	**17**	<2.0	**6.5**	**5.4**	<2.0	<2.0
PFOS	**7.8**	**47**	<2.0	**10**	**8.7**	<2.0	<2.0

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

Location ID	WC-1	EB	EB
Field Sample ID	CAP2Q25-WC-1-24-040925	CAP2Q25-EQBLK-IS-040925	CAP2Q25-EQBLK-PP-040925
Sample Date	4/9/2025	4/9/2025	4/9/2025
QA/QC		Equipment Blank	Equipment Blank
Sample Delivery Group (SDG)	320-120453-1	320-120505-1	320-120505-1
Lab Sample ID	320-120453-7	320-120505-8	320-120505-7
537 Mod (ng/L)			
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**7.6**	<2.0	<2.0
Perfluorobutanoic Acid	**5.3**	<5.0	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	**2.0**	<2.0	<2.0
Perfluorohexanoic Acid	**3.6**	<2.0	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**4.8**	<2.0	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0
PFOA	**3.6**	<2.0	<2.0
PFOS	**2.6**	<2.0	<2.0

Notes:

Bold - Analyte detected above associated reporting limit

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

B - Analyte detected in an associated blank

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

QA/QC - Quality assurance/ quality control

< - Analyte not detected above associated reporting limit.

-- - Not measured / Not Applicable

TABLE B3
FLOW SUMMARY FOR CAPE FEAR RIVER LOCATIONS
Chemours Fayetteville Works, North Carolina

Q2 2025 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]
April and May 2025	Upstream River Water and Groundwater	04/08/25 9:40	William O Huske Lock and Dam	--	04/08/25 9:40	--	2,799
	Tarheel (Grab Sample)	04/29/25 16:15	William O Huske Lock and Dam	11	04/29/25 5:00	--	1,450
	Tarheel (Composite Sample)	04/09/25 19:36	William O Huske Lock and Dam	4	04/09/25 16:00	3,460	--
	Bladen Bluff	04/29/25 12:00	William O Huske Lock and Dam	8	04/29/25 4:15	--	1,440
	Kings Bluff	05/02/25 10:10	Cape Fear River Lock and Dam #1	--	05/02/25 10:10	--	1,170

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 B4
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]
4/8/2025 0:00	2150	14,474,767	2.10	0
4/8/2025 0:15	2150	14,474,768	2.10	0
4/8/2025 0:30	2170	14,609,416	2.11	0
4/8/2025 0:45	2180	14,676,741	2.12	0
4/8/2025 1:00	2200	14,811,390	2.13	0
4/8/2025 1:15	2200	14,811,390	2.13	0
4/8/2025 1:30	2220	14,946,039	2.14	0
4/8/2025 1:45	2200	14,811,390	2.13	0
4/8/2025 2:00	2220	14,946,039	2.14	0
4/8/2025 2:15	2230	15,013,363	2.15	0
4/8/2025 2:30	2410	16,225,205	2.25	0
4/8/2025 2:45	2250	15,148,012	2.16	0
4/8/2025 3:00	2320	15,619,284	2.20	0
4/8/2025 3:15	2300	15,484,635	2.19	0
4/8/2025 3:30	2390	16,090,555	2.24	0
4/8/2025 3:45	2340	15,753,933	2.21	0
4/8/2025 4:00	2340	15,753,933	2.21	0
4/8/2025 4:15	2340	15,753,933	2.21	0
4/8/2025 4:30	2340	15,753,933	2.21	0
4/8/2025 4:45	2340	15,753,933	2.21	0
4/8/2025 5:00	2350	15,821,257	2.22	0
4/8/2025 5:15	2370	15,955,906	2.23	0
4/8/2025 5:30	2370	15,955,907	2.23	0
4/8/2025 5:45	2390	16,090,555	2.24	0
4/8/2025 6:00	2390	16,090,555	2.24	0
4/8/2025 6:15	2410	16,225,205	2.25	0
4/8/2025 6:30	2420	16,292,529	2.26	0
4/8/2025 6:45	2420	16,292,529	2.26	0
4/8/2025 7:00	2440	16,427,178	2.27	0
4/8/2025 7:15	2440	16,427,178	2.27	0
4/8/2025 7:30	2460	16,561,827	2.28	0
4/8/2025 7:45	2460	16,561,827	2.28	0
4/8/2025 8:00	2480	16,696,476	2.29	0
4/8/2025 8:15	2490	16,763,800	2.30	0
4/8/2025 8:30	2490	16,763,801	2.30	0
4/8/2025 8:45	2510	16,898,449	2.31	0
4/8/2025 9:00	2530	17,033,098	2.32	0
4/8/2025 9:15	2530	17,033,099	2.32	0
4/8/2025 9:30	2550	17,167,747	2.33	0
4/8/2025 9:45	2560	17,235,072	2.34	0
4/8/2025 10:00	2580	17,369,721	2.35	0
4/8/2025 10:15	2600	17,504,370	2.36	0
4/8/2025 10:30	2620	17,639,019	2.37	0
4/8/2025 10:45	2620	17,639,019	2.37	0
4/8/2025 11:00	2650	17,840,992	2.39	0
4/8/2025 11:15	2650	17,840,992	2.39	0
4/8/2025 11:30	2710	18,244,940	2.42	0
4/8/2025 11:45	2710	18,244,939	2.42	0
4/8/2025 12:00	2720	18,312,264	2.43	0
4/8/2025 12:15	2740	18,446,913	2.44	0
4/8/2025 12:30	2780	18,716,211	2.46	0
4/8/2025 12:45	2760	18,581,562	2.45	0

TABLE B4
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]
4/8/2025 13:00	2800	18,850,860	2.47	0
4/8/2025 13:15	2830	19,052,833	2.49	0
4/8/2025 13:30	2850	19,187,482	2.50	0
4/8/2025 13:45	2870	19,322,132	2.51	0
4/8/2025 14:00	2930	19,726,078	2.54	0
4/8/2025 14:15	2960	19,928,052	2.56	0
4/8/2025 14:30	2930	19,726,079	2.54	0
4/8/2025 14:45	2980	20,062,701	2.57	0
4/8/2025 15:00	2980	20,062,701	2.57	0
4/8/2025 15:15	3080	20,735,946	2.62	0
4/8/2025 15:30	3060	20,601,297	2.61	0
4/8/2025 15:45	3090	20,803,270	2.63	0
4/8/2025 16:00	3090	20,803,271	2.63	0
4/8/2025 16:15	3110	20,937,919	2.64	0
4/8/2025 16:30	3130	21,072,568	2.65	0
4/8/2025 16:45	3170	21,341,867	2.67	0
4/8/2025 17:00	3170	21,341,866	2.67	0
4/8/2025 17:15	3210	21,611,164	2.69	0
4/8/2025 17:30	3230	21,745,814	2.70	0
4/8/2025 17:45	3270	22,015,111	2.72	0
4/8/2025 18:00	3290	22,149,760	2.73	0
4/8/2025 18:15	3310	22,284,410	2.74	0
4/8/2025 18:30	3320	22,351,734	2.75	0
4/8/2025 18:45	3340	22,486,383	2.76	0
4/8/2025 19:00	3360	22,621,032	2.77	0
4/8/2025 19:15	3380	22,755,681	2.78	0
4/8/2025 19:30	3420	23,024,979	2.80	0
4/8/2025 19:45	3460	23,294,277	2.82	0
4/8/2025 20:00	3480	23,428,926	2.83	0
4/8/2025 20:15	3500	23,563,575	2.84	0
4/8/2025 20:30	3520	23,698,224	2.85	0
4/8/2025 20:45	3560	23,967,522	2.87	0
4/8/2025 21:00	3580	24,102,171	2.88	0
4/8/2025 21:15	3600	24,236,820	2.89	0
4/8/2025 21:30	3640	24,506,118	2.91	0
4/8/2025 21:45	3680	24,775,416	2.93	0
4/8/2025 22:00	3720	25,044,714	2.95	0
4/8/2025 22:15	3760	25,314,012	2.97	0
4/8/2025 22:30	3780	25,448,661	2.98	0
4/8/2025 22:45	3820	25,717,959	3.00	0
4/8/2025 23:00	3860	25,987,257	3.02	0
4/8/2025 23:15	3900	26,256,555	3.04	0
4/8/2025 23:30	3950	26,593,178	3.06	0
4/8/2025 23:45	4010	26,997,124	3.09	0
4/9/2025 0:00	4050	27,266,422	3.11	0
4/9/2025 0:15	4090	27,535,721	3.13	0
4/9/2025 0:30	4150	27,939,667	3.16	0
4/9/2025 0:45	4200	28,276,290	3.18	0
4/9/2025 1:00	4260	28,680,237	3.21	0
4/9/2025 1:15	4320	29,084,184	3.24	0
4/9/2025 1:30	4370	29,420,806	3.26	0
4/9/2025 1:45	4430	29,824,754	3.29	0

TABLE B4
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]
4/9/2025 2:00	4490	30,228,700	3.32	0
4/9/2025 2:15	4560	30,699,972	3.35	0
4/9/2025 2:30	4620	31,103,919	3.38	0
4/9/2025 2:45	4670	31,440,541	3.40	0
4/9/2025 3:00	4730	31,844,488	3.43	0
4/9/2025 3:15	4820	32,450,409	3.47	0
4/9/2025 3:30	4870	32,787,031	3.49	0
4/9/2025 3:45	4930	33,190,978	3.52	0
4/9/2025 4:00	5020	33,796,899	3.56	0
4/9/2025 4:15	5090	34,268,170	3.59	0
4/9/2025 4:30	5180	34,874,091	3.63	0
4/9/2025 4:45	5230	35,210,714	3.65	0
4/9/2025 5:00	5320	35,816,634	3.69	0
4/9/2025 5:15	5410	36,422,554	3.73	0
4/9/2025 5:30	5500	37,028,475	3.77	0
4/9/2025 5:45	5600	37,701,720	3.81	0
4/9/2025 6:00	5670	38,172,991	3.84	0
4/9/2025 6:15	5760	38,778,912	3.88	0
4/9/2025 6:30	5850	39,384,832	3.92	0
4/9/2025 6:45	5950	40,058,077	3.96	0
4/9/2025 7:00	6050	40,731,323	4.00	0
4/9/2025 7:15	6140	41,337,243	4.04	0
4/9/2025 7:30	6260	42,145,137	4.09	0
4/9/2025 7:45	6360	42,818,382	4.13	0
4/9/2025 8:00	6460	43,491,627	4.17	0
4/9/2025 8:15	6560	44,164,872	4.21	0
4/9/2025 8:30	6680	44,972,766	4.26	0
4/9/2025 8:45	6780	45,646,011	4.30	0
4/9/2025 9:00	6880	46,319,256	4.34	0
4/9/2025 9:15	6980	46,992,501	4.38	0
4/9/2025 9:30	7110	47,867,719	4.43	0
4/9/2025 9:45	7180	48,338,991	4.46	0
4/9/2025 10:00	7290	49,079,561	4.50	0
4/9/2025 10:15	7410	49,887,454	4.55	0
4/9/2025 10:30	7490	50,426,050	4.58	0
4/9/2025 10:45	7620	51,301,269	4.63	0
4/9/2025 11:00	7700	51,839,865	4.66	0
4/9/2025 11:15	7780	52,378,461	4.69	0
4/9/2025 11:30	7880	53,051,706	4.73	0
4/9/2025 11:45	7960	53,590,302	4.76	0
4/9/2025 12:00	8100	54,532,845	4.81	0
4/9/2025 12:15	8150	54,869,468	4.83	0
4/9/2025 12:30	8230	55,408,063	4.86	0
4/9/2025 12:45	8340	56,148,633	4.90	0
4/9/2025 13:00	8420	56,687,229	4.93	0
4/9/2025 13:15	8530	57,427,798	4.97	0
4/9/2025 13:30	8580	57,764,421	4.99	0
4/9/2025 13:45	8660	58,303,017	5.02	0
4/9/2025 14:00	8740	58,841,613	5.05	0
4/9/2025 14:15	8800	59,245,560	5.07	0
4/9/2025 14:30	8880	59,784,156	5.10	0
4/9/2025 14:45	8990	60,524,725	5.14	0

TABLE B4
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]
4/9/2025 15:00	9050	60,928,672	5.16	0
4/9/2025 15:15	9100	61,265,295	5.18	0
4/9/2025 15:30	9160	61,669,242	5.20	0
4/9/2025 15:45	9240	62,207,838	5.23	0
4/9/2025 16:00	9300	62,611,785	5.25	0
4/9/2025 16:15	9380	63,150,381	5.28	0
4/9/2025 16:30	9440	63,554,328	5.30	0
4/9/2025 16:45	9460	63,688,977	5.31	0
4/9/2025 17:00	9550	64,294,897	5.34	0
4/9/2025 17:15	9600	64,631,520	5.36	0
4/9/2025 17:30	9660	65,035,467	5.38	0
4/9/2025 17:45	9720	65,439,414	5.40	0
4/9/2025 18:00	9770	65,776,036	5.42	0
4/9/2025 18:15	9830	66,179,984	5.44	0
4/9/2025 18:30	9860	66,381,957	5.45	0
4/9/2025 18:45	9920	66,785,904	5.47	0
4/9/2025 19:00	9950	66,987,878	5.48	0
4/9/2025 19:15	10000	67,324,500	5.50	0
4/9/2025 19:30	10100	67,997,745	5.52	0
4/9/2025 19:45	10100	67,997,745	5.54	0
4/9/2025 20:00	10100	67,997,745	5.55	0
4/9/2025 20:15	10200	68,670,990	5.57	0
4/9/2025 20:30	10200	68,670,990	5.58	0
4/9/2025 20:45	10300	69,344,235	5.59	0
4/9/2025 21:00	10300	69,344,235	5.60	0
4/9/2025 21:15	10300	69,344,235	5.61	0
4/9/2025 21:30	10300	69,344,235	5.62	0
4/9/2025 21:45	10400	70,017,480	5.63	0
4/9/2025 22:00	10400	70,017,480	5.65	0
4/9/2025 22:15	10500	70,690,725	5.66	0
4/9/2025 22:30	10500	70,690,725	5.66	0
4/9/2025 22:45	10500	70,690,725	5.67	0
4/9/2025 23:00	10500	70,690,725	5.68	0
4/9/2025 23:15	10600	71,363,970	5.69	0
4/9/2025 23:30	10600	71,363,970	5.70	0
4/9/2025 23:45	10600	71,363,970	5.71	0
4/28/2025 0:00	1550	10,435,297	1.72	0
4/28/2025 0:15	1550	10,435,298	1.72	0
4/28/2025 0:30	1570	10,569,946	1.73	0
4/28/2025 0:45	1550	10,435,297	1.72	0
4/28/2025 1:00	1550	10,435,298	1.72	0
4/28/2025 1:15	1570	10,569,946	1.73	0
4/28/2025 1:30	1570	10,569,946	1.73	0
4/28/2025 1:45	1550	10,435,298	1.72	0
4/28/2025 2:00	1550	10,435,297	1.72	0
4/28/2025 2:15	1550	10,435,297	1.72	0
4/28/2025 2:30	1550	10,435,298	1.72	0
4/28/2025 2:45	1550	10,435,297	1.72	0
4/28/2025 3:00	1550	10,435,297	1.72	0
4/28/2025 3:15	1550	10,435,298	1.72	0
4/28/2025 3:30	1550	10,435,297	1.72	0
4/28/2025 3:45	1550	10,435,297	1.72	0

TABLE B4
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]
4/28/2025 4:00	1550	10,435,298	1.72	0
4/28/2025 4:15	1550	10,435,297	1.72	0
4/28/2025 4:30	1550	10,435,297	1.72	0
4/28/2025 4:45	1550	10,435,298	1.72	0
4/28/2025 5:00	1550	10,435,297	1.72	0
4/28/2025 5:15	1540	10,367,973	1.71	0
4/28/2025 5:30	1540	10,367,973	1.71	0
4/28/2025 5:45	1540	10,367,973	1.71	0
4/28/2025 6:00	1550	10,435,297	1.72	0
4/28/2025 6:15	1540	10,367,973	1.71	0
4/28/2025 6:30	1540	10,367,973	1.71	0
4/28/2025 6:45	1540	10,367,973	1.71	0
4/28/2025 7:00	1540	10,367,973	1.71	0
4/28/2025 7:15	1540	10,367,973	1.71	0
4/28/2025 7:30	1540	10,367,973	1.71	0
4/28/2025 7:45	1540	10,367,973	1.71	0
4/28/2025 8:00	1540	10,367,973	1.71	0
4/28/2025 8:15	1540	10,367,973	1.71	0
4/28/2025 8:30	1540	10,367,973	1.71	0
4/28/2025 8:45	1540	10,367,973	1.71	0
4/28/2025 9:00	1540	10,367,973	1.71	0
4/28/2025 9:15	1540	10,367,973	1.71	0
4/28/2025 9:30	1540	10,367,973	1.71	0
4/28/2025 9:45	1540	10,367,973	1.71	0
4/28/2025 10:00	1540	10,367,973	1.71	0
4/28/2025 10:15	1540	10,367,973	1.71	0
4/28/2025 10:30	1540	10,367,973	1.71	0
4/28/2025 10:45	1540	10,367,973	1.71	0
4/28/2025 11:00	1540	10,367,973	1.71	0
4/28/2025 11:15	1540	10,367,973	1.71	0
4/28/2025 11:30	1540	10,367,973	1.71	0
4/28/2025 11:45	1540	10,367,973	1.71	0
4/28/2025 12:00	1540	10,367,973	1.71	0
4/28/2025 12:15	1550	10,435,298	1.72	0
4/28/2025 12:30	1540	10,367,973	1.71	0
4/28/2025 12:45	1550	10,435,297	1.72	0
4/28/2025 13:00	1540	10,367,973	1.71	0
4/28/2025 13:15	1540	10,367,973	1.71	0
4/28/2025 13:30	1540	10,367,973	1.71	0
4/28/2025 13:45	1540	10,367,973	1.71	0
4/28/2025 14:00	1540	10,367,973	1.71	0
4/28/2025 14:15	1540	10,367,973	1.71	0
4/28/2025 14:30	1550	10,435,298	1.72	0
4/28/2025 14:45	1540	10,367,973	1.71	0
4/28/2025 15:00	1540	10,367,973	1.71	0
4/28/2025 15:15	1540	10,367,973	1.71	0
4/28/2025 15:30	1540	10,367,973	1.71	0
4/28/2025 15:45	1540	10,367,973	1.71	0
4/28/2025 16:00	1520	10,233,324	1.70	0
4/28/2025 16:15	1540	10,367,973	1.71	0
4/28/2025 16:30	1520	10,233,324	1.70	0
4/28/2025 16:45	1540	10,367,973	1.71	0

TABLE B4
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]
4/28/2025 17:00	1520	10,233,324	1.70	0
4/28/2025 17:15	1520	10,233,324	1.70	0
4/28/2025 17:30	1520	10,233,324	1.70	0
4/28/2025 17:45	1520	10,233,324	1.70	0
4/28/2025 18:00	1510	10,165,999	1.69	0
4/28/2025 18:15	1510	10,166,000	1.69	0
4/28/2025 18:30	1510	10,165,999	1.69	0
4/28/2025 18:45	1510	10,165,999	1.69	0
4/28/2025 19:00	1510	10,166,000	1.69	0
4/28/2025 19:15	1510	10,165,999	1.69	0
4/28/2025 19:30	1490	10,031,350	1.68	0
4/28/2025 19:45	1490	10,031,351	1.68	0
4/28/2025 20:00	1490	10,031,350	1.68	0
4/28/2025 20:15	1490	10,031,350	1.68	0
4/28/2025 20:30	1480	9,964,026	1.67	0
4/28/2025 20:45	1480	9,964,026	1.67	0
4/28/2025 21:00	1480	9,964,026	1.67	0
4/28/2025 21:15	1480	9,964,026	1.67	0
4/28/2025 21:30	1460	9,829,377	1.66	0
4/28/2025 21:45	1460	9,829,377	1.66	0
4/28/2025 22:00	1460	9,829,377	1.66	0
4/28/2025 22:15	1460	9,829,377	1.66	0
4/28/2025 22:30	1460	9,829,377	1.66	0
4/28/2025 22:45	1460	9,829,377	1.66	0
4/28/2025 23:00	1460	9,829,377	1.66	0
4/28/2025 23:15	1460	9,829,377	1.66	0
4/28/2025 23:30	1460	9,829,377	1.66	0
4/28/2025 23:45	1450	9,762,053	1.65	0
4/29/2025 0:00	1460	9,829,377	1.66	0
4/29/2025 0:15	1450	9,762,053	1.65	0
4/29/2025 0:30	1460	9,829,377	1.66	0
4/29/2025 0:45	1450	9,762,052	1.65	0
4/29/2025 1:00	1450	9,762,053	1.65	0
4/29/2025 1:15	1450	9,762,052	1.65	0
4/29/2025 1:30	1450	9,762,052	1.65	0
4/29/2025 1:45	1450	9,762,053	1.65	0
4/29/2025 2:00	1450	9,762,052	1.65	0
4/29/2025 2:15	1450	9,762,052	1.65	0
4/29/2025 2:30	1450	9,762,053	1.65	0
4/29/2025 2:45	1450	9,762,052	1.65	0
4/29/2025 3:00	1450	9,762,052	1.65	0
4/29/2025 3:15	1450	9,762,053	1.65	0
4/29/2025 3:30	1450	9,762,052	1.65	0
4/29/2025 3:45	1440	9,694,728	1.64	0
4/29/2025 4:00	1450	9,762,053	1.65	0
4/29/2025 4:15	1440	9,694,728	1.64	0
4/29/2025 4:30	1440	9,694,728	1.64	0
4/29/2025 4:45	1450	9,762,053	1.65	0
4/29/2025 5:00	1450	9,762,052	1.65	0
4/29/2025 5:15	1440	9,694,728	1.64	0
4/29/2025 5:30	1440	9,694,728	1.64	0
4/29/2025 5:45	1440	9,694,728	1.64	0

TABLE B4
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]
4/29/2025 6:00	1440	9,694,728	1.64	0
4/29/2025 6:15	1440	9,694,728	1.64	0
4/29/2025 6:30	1440	9,694,728	1.64	0
4/29/2025 6:45	1440	9,694,728	1.64	0
4/29/2025 7:00	1440	9,694,728	1.64	0
4/29/2025 7:15	1440	9,694,728	1.64	0
4/29/2025 7:30	1420	9,560,079	1.63	0
4/29/2025 7:45	1440	9,694,728	1.64	0
4/29/2025 8:00	1440	9,694,728	1.64	0
4/29/2025 8:15	1440	9,694,728	1.64	0
4/29/2025 8:30	1440	9,694,728	1.64	0
4/29/2025 8:45	1440	9,694,728	1.64	0
4/29/2025 9:00	1440	9,694,728	1.64	0
4/29/2025 9:15	1440	9,694,728	1.64	0
4/29/2025 9:30	1420	9,560,079	1.63	0
4/29/2025 9:45	1440	9,694,728	1.64	0
4/29/2025 10:00	1420	9,560,079	1.63	0
4/29/2025 10:15	1440	9,694,728	1.64	0
4/29/2025 10:30	1440	9,694,728	1.64	0
4/29/2025 10:45	1420	9,560,079	1.63	0
4/29/2025 11:00	1420	9,560,079	1.63	0
4/29/2025 11:15	1420	9,560,079	1.63	0
4/29/2025 11:30	1420	9,560,079	1.63	0
4/29/2025 11:45	1420	9,560,079	1.63	0
4/29/2025 12:00	1420	9,560,079	1.63	0
4/29/2025 12:15	1420	9,560,079	1.63	0
4/29/2025 12:30	1420	9,560,079	1.63	0
4/29/2025 12:45	1420	9,560,079	1.63	0
4/29/2025 13:00	1420	9,560,079	1.63	0
4/29/2025 13:15	1420	9,560,079	1.63	0
4/29/2025 13:30	1420	9,560,079	1.63	0
4/29/2025 13:45	1420	9,560,079	1.63	0
4/29/2025 14:00	1420	9,560,079	1.63	0
4/29/2025 14:15	1420	9,560,079	1.63	0
4/29/2025 14:30	1420	9,560,079	1.63	0
4/29/2025 14:45	1420	9,560,079	1.63	0
4/29/2025 15:00	1420	9,560,079	1.63	0
4/29/2025 15:15	1420	9,560,079	1.63	0
4/29/2025 15:30	1420	9,560,079	1.63	0
4/29/2025 15:45	1420	9,560,079	1.63	0
4/29/2025 16:00	1420	9,560,079	1.63	0
4/29/2025 16:15	1410	9,492,754	1.62	0
4/29/2025 16:30	1420	9,560,079	1.63	0
4/29/2025 16:45	1420	9,560,079	1.63	0
4/29/2025 17:00	1410	9,492,754	1.62	0
4/29/2025 17:15	1420	9,560,079	1.63	0
4/29/2025 17:30	1420	9,560,079	1.63	0
4/29/2025 17:45	1410	9,492,754	1.62	0
4/29/2025 18:00	1420	9,560,079	1.63	0
4/29/2025 18:15	1420	9,560,079	1.63	0
4/29/2025 18:30	1410	9,492,754	1.62	0
4/29/2025 18:45	1420	9,560,079	1.63	0

TABLE B4
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]
4/29/2025 19:00	1410	9,492,755	1.62	0
4/29/2025 19:15	1410	9,492,754	1.62	0
4/29/2025 19:30	1420	9,560,079	1.63	0
4/29/2025 19:45	1420	9,560,079	1.63	0
4/29/2025 20:00	1410	9,492,754	1.62	0
4/29/2025 20:15	1410	9,492,754	1.62	0
4/29/2025 20:30	1410	9,492,755	1.62	0
4/29/2025 20:45	1390	9,358,105	1.61	0
4/29/2025 21:00	1410	9,492,754	1.62	0
4/29/2025 21:15	1390	9,358,106	1.61	0
4/29/2025 21:30	1390	9,358,105	1.61	0
4/29/2025 21:45	1390	9,358,105	1.61	0
4/29/2025 22:00	1390	9,358,106	1.61	0
4/29/2025 22:15	1390	9,358,105	1.61	0
4/29/2025 22:30	1390	9,358,105	1.61	0
4/29/2025 22:45	1390	9,358,106	1.61	0
4/29/2025 23:00	1390	9,358,105	1.61	0
4/29/2025 23:15	1390	9,358,105	1.61	0
4/29/2025 23:30	1390	9,358,106	1.61	0
4/29/2025 23:45	1390	9,358,106	1.61	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 B5
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
5/2/2025	0:00	1,240	900	8,348,238
5/2/2025	0:15	1,220	900	8,213,589
5/2/2025	0:30	1,240	900	8,348,238
5/2/2025	0:45	1,240	900	8,348,238
5/2/2025	1:00	1,220	900	8,213,589
5/2/2025	1:15	1,220	900	8,213,589
5/2/2025	1:30	1,220	900	8,213,589
5/2/2025	1:45	1,220	900	8,213,589
5/2/2025	2:00	1,210	900	8,146,264
5/2/2025	2:15	1,210	900	8,146,264
5/2/2025	2:30	1,210	900	8,146,265
5/2/2025	2:45	1,210	900	8,146,264
5/2/2025	3:00	1,210	900	8,146,264
5/2/2025	3:15	1,210	900	8,146,265
5/2/2025	3:30	1,210	900	8,146,264
5/2/2025	3:45	1,210	900	8,146,264
5/2/2025	4:00	1,200	900	8,078,940
5/2/2025	4:15	1,200	900	8,078,940
5/2/2025	4:30	1,200	900	8,078,940
5/2/2025	4:45	1,200	900	8,078,940
5/2/2025	5:00	1,200	900	8,078,940
5/2/2025	5:15	1,200	900	8,078,940
5/2/2025	5:30	1,190	900	8,011,616
5/2/2025	5:45	1,190	900	8,011,615
5/2/2025	6:00	1,190	900	8,011,615
5/2/2025	6:15	1,190	900	8,011,616
5/2/2025	6:30	1,190	900	8,011,615
5/2/2025	6:45	1,190	900	8,011,615
5/2/2025	7:00	1,190	900	8,011,616
5/2/2025	7:15	1,190	900	8,011,615
5/2/2025	7:30	1,190	900	8,011,615
5/2/2025	7:45	1,170	900	7,876,967
5/2/2025	8:00	1,170	900	7,876,966
5/2/2025	8:15	1,170	900	7,876,966
5/2/2025	8:30	1,170	900	7,876,967
5/2/2025	8:45	1,170	900	7,876,966
5/2/2025	9:00	1,190	900	8,011,615
5/2/2025	9:15	1,160	900	7,809,642
5/2/2025	9:30	1,170	900	7,876,966
5/2/2025	9:45	1,170	900	7,876,966
5/2/2025	10:00	1,200	900	8,078,940
5/2/2025	10:15	1,170	900	7,876,966
5/2/2025	10:30	1,170	900	7,876,966
5/2/2025	10:45	1,190	900	8,011,616
5/2/2025	11:00	1,170	900	7,876,966
5/2/2025	11:15	1,190	900	8,011,615
5/2/2025	11:30	1,160	900	7,809,642
5/2/2025	11:45	1,170	900	7,876,966
5/2/2025	12:00	1,200	900	8,078,940
5/2/2025	12:15	1,190	900	8,011,616
5/2/2025	12:30	1,200	900	8,078,940
5/2/2025	12:45	1,190	900	8,011,615
5/2/2025	13:00	1,190	900	8,011,616

TABLE B5
FLOW DATA FOR LOCK #1 NR KELLY, NC
Chemours Fayetteville Works, North Carolina

Date	Time	Discharge (cubic ft/sec)	Seconds	Volume (gal)
5/2/2025	13:15	1,210	900	8,146,264
5/2/2025	13:30	1,190	900	8,011,615
5/2/2025	13:45	1,170	900	7,876,967
5/2/2025	14:00	1,170	900	7,876,966
5/2/2025	14:15	1,190	900	8,011,615
5/2/2025	14:30	1,170	900	7,876,967
5/2/2025	14:45	1,140	900	7,674,993
5/2/2025	15:00	1,150	900	7,742,317
5/2/2025	15:15	1,170	900	7,876,967
5/2/2025	15:30	1,160	900	7,809,642
5/2/2025	15:45	1,150	900	7,742,317
5/2/2025	16:00	1,160	900	7,809,642
5/2/2025	16:15	1,150	900	7,742,317
5/2/2025	16:30	1,150	900	7,742,317
5/2/2025	16:45	1,150	900	7,742,318
5/2/2025	17:00	1,150	900	7,742,317
5/2/2025	17:15	1,110	900	7,473,019
5/2/2025	17:30	1,140	900	7,674,993
5/2/2025	17:45	1,120	900	7,540,344
5/2/2025	18:00	1,100	900	7,405,695
5/2/2025	18:15	1,110	900	7,473,020
5/2/2025	18:30	1,080	900	7,271,046
5/2/2025	18:45	1,110	900	7,473,019
5/2/2025	19:00	1,120	900	7,540,344
5/2/2025	19:15	1,110	900	7,473,019
5/2/2025	19:30	1,140	900	7,674,993
5/2/2025	19:45	1,120	900	7,540,344
5/2/2025	20:00	1,140	900	7,674,993
5/2/2025	20:15	1,140	900	7,674,993
5/2/2025	20:30	1,150	900	7,742,318
5/2/2025	20:45	1,150	900	7,742,317
5/2/2025	21:00	1,160	900	7,809,642
5/2/2025	21:15	1,150	900	7,742,318
5/2/2025	21:30	1,160	900	7,809,642
5/2/2025	21:45	1,160	900	7,809,642
5/2/2025	22:00	1,150	900	7,742,318
5/2/2025	22:15	1,150	900	7,742,317
5/2/2025	22:30	1,150	900	7,742,317
5/2/2025	22:45	1,150	900	7,742,318
5/2/2025	23:00	1,160	900	7,809,642
5/2/2025	23:15	1,160	900	7,809,642
5/2/2025	23:30	1,150	900	7,742,318
5/2/2025	23:45	1,150	900	7,742,318

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 B6
TABLE 3+ PFAS MASS DISCHARGE AT DOWNSTREAM LOCATIONS
Chemours Fayetteville Works, North Carolina

Pathway Number	--	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge[1,2]	Tar Heel Ferry Road Bridge[1]	Bladen Bluff[2]	Kings Bluff[2]
Flow (MG)	--	3,460	--	--
Instantaneous Flow (ft^3/sec)	1,450	--	1,440	1,170
Program	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25	CAP SW Sampling 2Q25
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP2Q25-CFR-TARHEEL-042925	CAP2Q25-CFR-TARHEEL-24-040925	CAP2Q25-CFR-BLADEN-042925	CAP2Q25-CFR-KINGS-050225
Sample Date and Time[1]	4/29/2025	4/9/2025	4/29/2025	5/2/2025
Sample Delivery Group (SDG)	320-121165-1	320-120505-1	320-121165-1	320-121165-1
Lab Sample ID	320-121165-3	320-120505-6	320-121165-2	320-121165-1
Sample Type	Grab	Composite	Grab	Grab
Table 3+ Mass Discharge[3] (mg/s)				
HFPO-DA	**0.21**	**0.64**	**0.20**	**0.15**
PFMOAA	**0.26**	**0.82**	**0.25**	**0.29**
PFO2HxA	**0.22**	**1.23**	**0.22**	**0.23**
PFO3OA	ND	ND	ND	**0.07**
PFO4DA	ND	ND	ND	ND
PFO5DA	ND	ND	ND	ND
PMPA	**0.34**	**1.97**	**0.33**	**0.32**
PEPA	ND	ND	ND	ND
PS Acid	ND	ND	ND	ND
Hydro-PS Acid	ND	ND	ND	ND
R-PSDA	ND	ND	ND	ND
Hydrolyzed PSDA	ND	ND	ND	ND
R-PSDCA	ND	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND	ND
EVE Acid	ND	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND	ND
R-EVE	ND	ND	ND	ND
PES	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND
PFPrA	**0.82**	**3.79**	**0.82**	**0.76**
Total Attachment C Mass Discharge[4,5]	**1.03**	**4.70**	**0.98**	**1.06**
Total Table 3+ Mass Discharge (17 compounds)[4,6]	**1.03**	**4.70**	**0.98**	**1.06**
Total Table 3+ Mass Discharge (18 compounds)[4,7]	**1.85**	**8.49**	**1.79**	**1.82**
Total Table 3+ Mass Discharge (21 compounds)[4]	**2.38**	**10.0**	**2.32**	**3.11**

Notes:
1 - A paired composite sample was collected at Tar Heel Ferry Road Bridge on October 24, 2024.
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, R-EVE, and PFPrA.
7 - Total Table 3+ (18 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

Appendix C

Field Forms

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	BLADEN-1DR	Well Diameter:	2 Inches
Samplers:	DEBORAH AYERS|SAIRA BOHAM	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 38
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-17-2025 Time: 11:29

WATER VOLUME CALCULATION

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

Water Volume = 4.464

Initial Depth to Water (ft.): 19.5 Depth to Well Bottom (ft.): 47.4

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:45	20.15	260.00	1300.00	5.2	0.16	92.70	20.60	65.01	20.03	Clear	No	
12:50	20.16	260.00	1300.00	5.17	0.12	79.40	20.40	65.36	19.94	Clear	Slightly eggy	
12:55	20.16	260.00	1300.00	5.29	0.13	62.80	18.89	65.91	19.98	Clear	Slightly eggy	
13:00	20.16	260.00	1300.00	5.46	0.13	53.80	13.36	65.46	20.06	Clear	Slightly eggy	
13:05	20.16	260.00	1300.00	5.52	0.13	54.30	7.99	65.47	20.22	Clear	Slightly eggy	
13:10	20.16	260.00	1300.00	5.6	0.12	56.10	7.63	65.06	20.25	Clear	Slightly eggy	

Screen Interval: 37-47

Sampling Data

Purge Start Time: 12:40
Method: Low Flow Date: 04-17-2025 Time: 13:10 Total Volume Purged (mL): 7800
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	5.60
Spec. Cond.(µS/cm)	65.06
Turbidity (NTU)	7.63
Temp.(°C)	20.25
DO (mg/L)	0.12
ORP (mV)	56.10

Sample ID:	CAP2Q25-BLADEN-1DR-041725
DuplicateID:	CAP2Q25-BLADEN-1DR-041725-D
QA/QC:	Dup|MS|MSD

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: LTW-01 | Well Diameter: 2 Inches

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

Purging Data

Pump Depth: 21

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 13:59

WATER VOLUME CALCULATION

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

Water Volume = 1.973

Initial Depth to Water (ft.): 16.43 | Depth to Well Bottom (ft.): 28.76

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			
14:15	17.37	300.00	1500.00	3.56	0.75	434.90	20.40	109.42	18.47	Clear	None	
14:20	17.42	300.00	1500.00	3.52	0.64	437.90	19.42	109.01	18.34	Clear	None	
14:25	17.48	300.00	1500.00	3.78	0.57	414.80	14.08	108.95	18.13	Clear	None	
14:30	17.48	300.00	1500.00	3.87	0.52	402.40	10.46	109.42	18.10	Clear	None	
14:35	17.50	300.00	1500.00	3.98	0.50	391.30	6.46	110.05	18.09	Clear	None	
14:40	17.51	300.00	1500.00	4.05	0.50	383.40	5.01	110.88	18.05	Clear	None	

Screen Interval: 11.0-26.0

Sampling Data

Purge Start Time: 14:10

Method: Low Flow | Date: 04-16-2025 | Time: 14:40

Total Volume Purged (mL): 9000

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.05
Spec. Cond.(µS/cm)	110.88
Turbidity (NTU)	5.01
Temp.(°C)	18.05
DO (mg/L)	0.50
ORP (mV)	383.40

Sample ID: CAP2Q25-LTW-01-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 36
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-10-2025 Time: 14:21

WATER VOLUME CALCULATION

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

Water Volume = 4.776

Initial Depth to Water (ft.): 10.81 Depth to Well Bottom (ft.): 40.66

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:40	10.59	300.00	1500.00	4.24	0.20	148.40	21.60	111.16	18.61	Clear	No	
14:45	10.59	300.00	1500.00	4.22	0.17	135.30	14.49	110.98	18.62	Clear	No	
14:50	10.59	300.00	1500.00	4.19	0.14	128.90	11.30	110.91	18.56	Clear	No	
14:55	10.59	300.00	1500.00	4.16	0.12	132.10	6.59	111.91	18.59	Clear	No	
15:00	10.59	300.00	1500.00	4.15	0.12	134.70	5.87	112.22	18.68	Clear	No	
15:05	10.59	300.00	1500.00	4.12	0.10	136.10	5.78	112.52	18.67	Clear	No	
15:10	10.56	300.00	1500.00	4.15	0.10	137.30	5.75	112.21	18.48	Clear	No	
15:15	10.59	300.00	1500.00	4.13	0.09	139.70	4.87	112.26	18.42	Clear	No	
15:20	10.59	300.00	1500.00	4.13	0.09	138.40	6.51	112.19	18.10	Clear	No	

Screen Interval: 28.0-38.0

Sampling Data

Purge Start Time: 14:35
Method: Low Flow Date: 04-10-2025 Time: 15:20 Total Volume Purged (mL): 13500
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.13
Spec. Cond.(µS/cm)	112.19
Turbidity (NTU)	6.51
Temp.(°C)	18.10
DO (mg/L)	0.09
ORP (mV)	138.40

Sample ID: CAP2Q25-LTW-02-041025
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-16-2025 Time: 12:40

WATER VOLUME CALCULATION

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

Water Volume = 3.088

Initial Depth to Water (ft.): 13.46 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			
13:00	14.09	300.00	1500.00	3.58	0.22	392.60	81.10	104.90	17.72	Hazy	None	
13:05	14.25	300.00	1500.00	3.51	0.16	392.40	54.40	104.96	17.98	Hazy	None	
13:10	14.32	300.00	1500.00	3.51	0.14	383.80	30.80	103.82	18.08	Hazy	None	
13:15	14.38	300.00	1500.00	3.59	0.12	378.30	21.00	105.01	18.01	Clear	None	
13:20	14.40	300.00	1500.00	3.74	0.11	364.50	16.51	103.17	18.10	Clear	None	
13:25	14.43	300.00	1500.00	3.9	0.11	352.40	15.04	104.67	18.34	Clear	None	
13:30	14.48	300.00	1500.00	4.04	0.10	342.00	9.42	104.57	18.35	Clear	None	

Screen Interval: 15.0-30.0

Sampling Data

Purge Start Time: 12:55
Method: Low Flow Date: 04-16-2025 Time: 13:30 Total Volume Purged (mL): 10500
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.04
Spec. Cond.(µS/cm)	104.57
Turbidity (NTU)	9.42
Temp.(°C)	18.35
DO (mg/L)	0.10
ORP (mV)	342.00

Sample ID: CAP2Q25-LTW-03-041625
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

RECORD OF WELL SAMPLING

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

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 21

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 09:28

WATER VOLUME CALCULATION

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

Water Volume = 2.762

Initial Depth to Water (ft.): 11.15 | Depth to Well Bottom (ft.): 28.41

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
09:45	12.85	220.00	1100.00	4.89	0.19	146.00	353.00	118.38	15.52	Cloudy	Slightly metallic	
09:50	12.99	220.00	1100.00	4.93	0.17	160.70	216.00	117.86	15.52	Cloudy	Slightly metallic	
09:55	13.40	220.00	1100.00	4.98	0.14	173.80	160.00	115.79	15.93	Cloudy	Slightly metallic	
10:00	13.71	220.00	1100.00	5	0.13	173.00	123.00	115.89	15.93	Clear with particles	No	
10:05	13.91	220.00	1100.00	5.04	0.12	172.40	88.60	113.30	16.09	Clear with particles	No	
10:10	14.05	220.00	1100.00	5.06	0.12	170.80	84.40	113.23	16.14	Clear with particles	No	
10:15	14.12	220.00	1100.00	5.09	0.12	169.30	76.30	110.71	16.20	Clear with particles	No	
10:20	14.27	220.00	1100.00	5.1	0.12	170.30	68.70	110.30	16.24	Clear with particles	Slightly metallic	
10:25	14.32	220.00	1100.00	5.12	0.10	169.50	67.00	109.98	16.34	Clear with particles	No	
10:30	14.40	220.00	1100.00	5.14	0.10	168.40	64.00	108.98	16.38	Clear with particles	No	
10:35	14.45	220.00	1100.00	5.15	0.08	167.50	53.90	109.06	16.46	Clear with particles	No	
10:40	15.45	220.00	1100.00	5.16	0.09	168.00	56.70	108.81	16.48	Clear with particles	No	
10:45	15.51	220.00	1100.00	5.17	0.09	167.20	55.60	108.87	16.65	Clear with particles	No	
10:50	15.55	220.00	1100.00	5.18	0.08	166.90	53.30	107.81	16.83	Clear with particles	No	
10:55	15.50	220.00	1100.00	5.19	0.08	167.40	48.10	106.99	16.98	Clear with particles	No	
11:00	15.57	220.00	1100.00	5.2	0.08	167.20	46.30	107.51	16.86	Clear with particles	No	
11:05	15.61	220.00	1100.00	5.18	0.08	169.80	44.30	107.94	16.65	Clear with particles	No	
11:10	14.63	220.00	1100.00	5.19	0.08	169.60	41.40	106.54	16.68	Clear with particles	No	
11:15	14.63	220.00	1100.00	5.18	0.09	171.30	43.70	107.16	16.62	Clear with particles	No	
11:20	14.63	220.00	1100.00	5.19	0.08	172.50	35.00	105.77	16.71	Clear with particles	No	
11:25	14.63	220.00	1100.00	5.2	0.07	173.00	37.60	106.69	16.65	Clear with particles	No	
11:30	14.63	220.00	1100.00	5.19	0.07	174.10	42.90	107.57	16.65	Clear with particles	No	
11:35	14.63	220.00	1100.00	5.2	0.07	174.80	38.50	106.55	16.64	Clear with particles	No	
11:40	14.63	220.00	1100.00	5.21	0.07	173.80	35.00	107.52	16.74	Clear with particles	No	Part 1

Screen Interval: 27-12

Sampling Data

Purge Start Time: 09:40

Method: Low Flow | Date: 04-16-2025 | Time: -- | Total Volume Purged (mL): 26400

Field Filtered:

Field Parameters

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

Sample ID: CAP2Q25-LTW-04-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	58.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

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RECORD OF WELL SAMPLING

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

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 21

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 9:24

WATER VOLUME CALCULATION

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

Water Volume = 2.762

Initial Depth to Water (ft.): 11.15 | Depth to Well Bottom (ft.): 28.41

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:45	14.63	220.00	27500.00	5.2	0.07	176.20	33.40	107.83	16.82	Clear with particles	No	Part 2
11:50	14.63	220.00	1100.00	5.19	0.07	176.20	31.40	104.83	16.82	Clear with particles	No	
11:55	14.63	220.00	1100.00	5.2	0.06	176.30	27.70	109.95	16.84	Clear with particles	No	
12:00	14.63	220.00	1100.00	5.21	0.06	175.00	26.70	111.19	16.81	Clear with particles	No	
12:05	14.63	220.00	1100.00	5.21	0.06	176.60	24.10	106.55	16.94	Clear with particles	No	
12:10	14.63	220.00	1100.00	5.21	0.06	176.60	25.10	106.55	16.94	Clear with particles	No	
12:15	14.63	220.00	1100.00	5.21	0.06	176.60	24.00	106.55	16.94	Clear with particles	No	
12:20	14.63	220.00	1100.00	5.2	0.05	178.00	21.30	103.77	17.00	Clear with particles	No	
12:25	14.63	220.00	1100.00	5.19	0.05	179.90	21.70	103.36	17.13	Clear with particles	No	
12:30	14.63	220.00	1100.00	5.22	0.05	176.80	21.50	102.45	17.46	Clear with particles	No	
12:35	14.63	220.00	1100.00	5.22	0.05	177.10	18.43	102.23	17.93	Clear	No	
12:40	14.63	220.00	1100.00	5.22	0.05	177.80	19.95	102.92	17.44	Clear	No	
12:45	14.63	220.00	1100.00	5.21	0.05	179.10	17.11	102.90	17.62	Clear	No	

Screen Interval: 12 to 27

Sampling Data

Method: Low Flow | Date: 04-16-2025 | Time: 12:45

Field Filtered: No

Purge Start Time: 09:40

Total Volume Purged (mL): 40700

Field Parameters

STABILIZED PARAMETERS	
pH	5.21
Spec. Cond.(µS/cm)	102.90
Turbidity (NTU)	17.11
Temp.(°C)	17.62
DO (mg/L)	0.05
ORP (mV)	179.10

Sample ID: CAP2Q25-LTW-04-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	58.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

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

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 39

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 14:22

WATER VOLUME CALCULATION

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

Water Volume = 5.573

Initial Depth to Water (ft.): 12.32 | Depth to Well Bottom (ft.): 47.15

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:40	12.68	240.00	1200.00	4.78	0.41	140.60	65.90	121.81	20.07	Clear with particles	Eggy	
14:45	12.66	240.00	1200.00	4.77	0.21	127.00	75.30	122.74	20.06	Clear with particles	Eggy	
14:50	12.67	240.00	1200.00	4.89	0.19	110.00	66.80	122.24	20.24	Clear with particles	Eggy	
14:55	12.66	240.00	1200.00	4.88	0.14	107.20	54.30	121.77	20.09	Clear with particles	Eggy	
15:00	12.66	240.00	1200.00	4.85	0.13	108.90	50.20	122.55	20.07	Clear with particles	No	
15:05	12.66	240.00	1200.00	4.76	0.14	117.00	36.10	119.27	20.22	Clear with particles	No	
15:10	12.66	240.00	1200.00	4.78	0.13	118.80	32.30	119.69	19.73	Clear with particles	No	
15:15	12.66	240.00	1200.00	4.78	0.12	118.80	28.70	118.20	19.99	Clear with particles	No	
15:20	12.66	240.00	1200.00	4.81	0.12	113.40	26.10	119.92	19.83	Clear with particles	No	
15:25	12.66	240.00	1200.00	4.75	0.11	121.40	22.40	121.04	20.23	Clear with particles	No	
15:30	12.66	240.00	1200.00	4.78	0.11	116.10	21.00	118.83	19.83	Clear with particles	No	
15:35	12.66	240.00	1200.00	4.75	0.10	120.70	14.80	118.27	20.02	Clear with particles	No	
15:40	12.66	240.00	1200.00	4.8	0.10	118.00	16.94	119.50	20.14	Clear with particles	No	
15:45	12.66	240.00	1200.00	4.79	0.10	119.20	12.23	118.88	20.16	Clear with particles	No	

Screen Interval: 25-40

Sampling Data

Purge Start Time: 14:35

Method: Low Flow | Date: 04-16-2025 | Time: 15:45 | Total Volume Purged (mL): 16800

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.79
Spec. Cond.(µS/cm)	118.88
Turbidity (NTU)	12.23
Temp.(°C)	20.16
DO (mg/L)	0.10
ORP (mV)	119.20

Sample ID: CAP2Q25-LTW-05-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

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

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

Purging Data

Pump Depth: 28

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-03-2025 | Time: 13:51

WATER VOLUME CALCULATION

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

Water Volume = 3.931

Initial Depth to Water (ft.): 8.92 | Depth to Well Bottom (ft.): 33.49

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			
14:15	9.42	250.00	1250.00	4.32	0.55	56.70	10.00	56.20	18.20	Clear	Sulfur smell	
14:20	9.25	250.00	1250.00	4.31	0.23	54.70	9.25	55.90	18.20	Clear	Sulfur smell	
14:25	9.27	250.00	1250.00	4.32	0.12	49.70	8.09	55.80	18.40	Clear	Sulfur smell	
14:30	9.27	250.00	1250.00	4.32	0.07	41.40	6.25	55.70	18.40	Clear	Sulfur smell	
14:35	9.27	250.00	1250.00	4.32	0.03	31.50	4.01	55.60	18.50	Clear	Sulfur smell	
14:40	9.27	250.00	1250.00	4.32	0.01	24.40	3.85	55.60	18.50	Clear	Sulfur smell	
14:45	9.27	250.00	1250.00	4.31	0.01	21.60	3.22	55.80	18.50	Clear	Sulfur smell	
14:50	9.27	250.00	1250.00	4.31	0.01	15.40	2.97	56.20	18.20	Clear	Sulfur smell	
14:55	9.27	250.00	1250.00	4.32	0.01	3.40	2.13	56.00	18.40	Clear	Sulfur smell	
15:00	9.27	250.00	1250.00	4.31	0.00	1.80	1.87	55.90	18.50	Clear	Sulfur smell	
15:05	9.27	250.00	1250.00	4.31	0.00	-3.80	1.53	55.90	18.60	Clear	Sulfur smell	
15:10	9.27	250.00	1250.00	4.3	0.00	-5.00	1.98	56.10	18.40	Clear	Sulfur smell	
15:15	9.27	250.00	1250.00	4.3	0.00	-7.30	1.58	56.00	18.50	Clear	Sulfur smell	
15:20	9.27	250.00	1250.00	4.3	0.00	-9.40	1.57	55.90	18.50	Clear	Sulfur smell	
15:25	9.27	250.00	1250.00	4.3	0.00	-11.80	1.27	56.00	18.40	Clear	Sulfur smell	
15:30	9.27	250.00	1250.00	4.3	0.00	-14.50	0.91	56.10	18.40	Clear	Sulfur smell	
15:35	9.27	250.00	1250.00	4.31	0.00	-17.70	1.12	55.80	18.60	Clear	Sulfur smell	
15:40	9.27	250.00	1250.00	4.3	0.00	-19.80	1.07	55.90	18.30	Clear	Sulfur smell	
15:45	9.27	250.00	1250.00	4.3	0.00	-23.30	0.81	55.80	18.40	Clear	Sulfur smell	
15:50	9.27	250.00	1250.00	4.3	0.00	-21.90	0.77	55.90	18.40	Clear	Sulfur smell	
15:55	9.27	250.00	1250.00	4.3	0.00	-21.00	1.56	56.20	18.30	Clear	Sulfur smell	

Screen Interval: --

Sampling Data

Purge Start Time: 14:10

Method: Low Flow | Date: 04-03-2025 | Time: 15:55 | Total Volume Purged (mL): 26250

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.30
Spec. Cond.(µS/cm)	56.20
Turbidity (NTU)	1.56
Temp.(°C)	18.30
DO (mg/L)	0.00
ORP (mV)	-21.00

Sample ID: CAP2Q25-OW-28-040325

DuplicateID: CAP2Q25-OW-28-040325-D

QA/QC: Dup

WEATHER CONDITIONS	
Temperature (F):	84.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	13

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RECORD OF WELL SAMPLING

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

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

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-15-2025 | Time: 13:10

WATER VOLUME CALCULATION

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

Water Volume = 3.744

Initial Depth to Water (ft.): 8.63 | Depth to Well Bottom (ft.): 32.03

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:25	8.76	360.00	1800.00	3.91	0.45	281.80	29.60	69.82	18.87	Clear	None	
13:30	8.70	360.00	1800.00	3.81	0.19	311.10	14.76	69.51	18.84	Clear	None	
13:35	8.68	360.00	1800.00	3.81	0.12	323.30	8.82	69.82	18.72	Clear	None	
13:40	8.68	360.00	1800.00	3.73	0.10	331.00	7.46	69.86	18.83	Clear	None	
13:45	8.68	360.00	1800.00	3.8	0.08	327.00	4.05	69.97	18.84	Clear	None	
13:50	8.68	360.00	1800.00	3.85	0.09	323.10	3.02	69.86	18.82	Clear	None	
13:55	8.68	360.00	1800.00	3.91	0.08	319.70	3.31	70.11	18.96	Clear	None	

Screen Interval: 19-29

Sampling Data

Purge Start Time: 13:20

Method: Low Flow | Date: 04-15-2025 | Time: 13:55

Total Volume Purged (mL): 12600

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	3.91
Spec. Cond.(µS/cm)	70.11
Turbidity (NTU)	3.31
Temp.(°C)	18.96
DO (mg/L)	0.08
ORP (mV)	319.70

Sample ID: CAP2Q25-OW-33-041525

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	17

RECORD OF WELL SAMPLING

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

Samplers: BROCK SHATTUCK|FELIPE SILVA | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-04-2025 | Time: 09:35

WATER VOLUME CALCULATION

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

Water Volume = 1.848

Initial Depth to Water (ft.): 20.18 | Depth to Well Bottom (ft.): 31.73

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:05	20.25	250.00	2500.00	3.46	0.68	332.60	223.00	232.14	20.12	Cloudy	No	
10:10	20.24	250.00	1250.00	3.4	0.58	351.10	199.00	232.06	20.08	Cloudy	No	
10:15	20.24	250.00	1250.00	3.47	0.49	350.00	140.00	232.80	20.15	Cloudy	No	
10:20	20.24	250.00	1250.00	3.52	0.45	396.00	109.00	232.92	20.27	Cloudy	No	
10:25	20.24	250.00	1250.00	3.53	0.43	438.90	79.30	233.46	20.25	Cloudy	No	
10:30	20.24	250.00	1250.00	3.56	0.44	448.60	79.00	233.07	20.46	Cloudy	No	
10:35	20.24	250.00	1250.00	3.56	0.39	454.00	63.40	234.12	20.45	Slightly cloudy	No	
10:40	20.24	250.00	1250.00	3.57	0.35	457.10	35.30	234.58	20.31	Mostly clear	No	
10:45	20.34	250.00	1250.00	3.57	0.34	462.80	40.40	233.79	20.25	Mostly clear	No	
10:50	20.24	250.00	1250.00	3.57	0.33	465.20	29.90	234.50	20.22	Clear	No	
10:55	20.24	250.00	1250.00	3.57	0.32	466.10	22.80	233.82	20.38	Clear	No	
11:00	20.24	250.00	1250.00	3.58	0.33	465.20	26.40	234.30	20.05	Clear	No	
11:05	20.24	250.00	1250.00	3.58	0.32	461.30	18.73	234.93	20.12	Clear	No	
11:10	20.24	250.00	1250.00	3.58	0.31	474.20	12.97	234.69	20.36	Clear	No	
11:15	20.24	250.00	1250.00	3.59	0.31	471.10	12.40	234.74	20.40	Clear	No	

Screen Interval: --

Sampling Data

Method: Low Flow | Date: 04-04-2025 | Time: 11:15

Field Filtered: No

Purge Start Time: 10:00

Total Volume Purged (mL): 20000

Field Parameters

STABILIZED PARAMETERS	
pH	3.59
Spec. Cond.(µS/cm)	234.74
Turbidity (NTU)	12.40
Temp.(°C)	20.40
DO (mg/L)	0.31
ORP (mV)	471.10

Sample ID: CAP2Q25-PIW-1D-040425

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	BROCK SHATTUCK|SAIRA BOHAM	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: --
Pump Loc: within screen
Method: Bailer Date: 04-04-2025 Time: 09:35

WATER VOLUME CALCULATION

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

Water Volume = 0.045

Initial Depth to Water (ft.): 21.65 Depth to Well Bottom (ft.): 21.93

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			Well is dry

Screen Interval: --

Sampling Data

Method: -- Date: -- Time: --
Field Filtered: No

Purge Start Time: 09:40
Total Volume Purged (mL): 0

Field Parameters

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

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

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PIW-3D | Well Diameter: 2 Inches

Samplers: SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 24

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-04-2025 | Time: 10:55

WATER VOLUME CALCULATION

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

Water Volume = 1.63

Initial Depth to Water (ft.): 16.61 | Depth to Well Bottom (ft.): 26.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:05	16.75	200.00	1000.00	4.32	0.15	243.70	26.90	103.03	18.39	Clear with particles	No	
11:10	17.72	200.00	1000.00	3.99	0.21	264.00	21.30	102.66	18.18	Clear	No	
11:15	17.95	200.00	1000.00	3.93	0.18	271.50	20.90	103.09	18.43	Clear	No	
11:20	17.75	200.00	1000.00	4.05	0.14	251.90	20.70	102.70	18.59	Clear	No	
11:25	17.75	200.00	1000.00	4.17	0.13	223.40	14.64	102.41	18.35	Clear	No	
11:30	17.75	200.00	1000.00	4.23	0.12	216.00	13.65	102.60	18.55	Clear	No	
11:35	17.75	200.00	1000.00	4.27	0.12	208.90	7.98	102.11	18.54	Clear	No	
11:40	17.75	200.00	1000.00	4.31	0.12	202.00	7.97	102.25	18.67	Clear	No	

Screen Interval: 20-25

Sampling Data

Purge Start Time: 11:00

Method: Low Flow | Date: 04-04-2025 | Time: 11:40

Total Volume Purged (mL): 8000

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.31
Spec. Cond.(µS/cm)	102.25
Turbidity (NTU)	7.97
Temp.(°C)	18.67
DO (mg/L)	0.12
ORP (mV)	202.00

Sample ID: CAP2Q25-PIW-3D-040425

DuplicateID: --

QA/QC: --

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

RECORD OF WELL SAMPLING

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

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

Purging Data

Pump Depth: 35

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 11:02

WATER VOLUME CALCULATION

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

Water Volume = 4.419

Initial Depth to Water (ft.): 9.43 | 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			
11:20	9.49	320.00	1600.00	5.89	2.58	112.20	18.39	97.74	16.85	Clear w/particles	None	
11:25	9.49	320.00	1600.00	5.68	1.45	45.50	19.22	97.58	16.95	Clear w/particles	None	
11:30	9.49	320.00	1600.00	5.64	0.74	28.10	21.00	98.27	16.97	Clear w/particles	None	
11:35	9.49	320.00	1600.00	5.61	0.47	21.20	17.44	98.00	17.06	Clear	None	
11:40	9.49	320.00	1600.00	5.61	0.38	18.40	14.11	97.67	17.11	Clear	None	
11:45	9.49	320.00	1600.00	5.62	0.38	16.20	12.21	96.10	17.28	Clear	None	
11:50	9.49	320.00	1600.00	5.59	0.33	14.20	8.30	97.84	17.55	Clear	None	
11:55	9.49	320.00	1600.00	5.58	0.28	15.10	7.01	94.95	17.80	Clear	None	
12:00	9.49	320.00	1600.00	5.59	0.28	13.10	7.14	97.11	17.90	Clear	None	
12:05	9.49	320.00	1600.00	5.6	0.33	12.00	6.62	96.04	18.19	Clear	None	
12:10	9.49	320.00	1600.00	5.62	0.31	9.80	6.06	96.43	18.29	Clear	None	
12:15	9.49	320.00	1600.00	5.62	0.34	9.40	6.65	96.75	18.32	Clear	None	
12:20	9.49	320.00	1600.00	5.61	0.38	10.10	6.42	99.66	18.46	Clear	None	

Screen Interval: 29 - 34

Sampling Data

Method: Low Flow | Date: 04-16-2025 | Time: 12:20

Field Filtered: No

Purge Start Time: 11:15

Total Volume Purged (mL): 20800

Field Parameters

STABILIZED PARAMETERS	
pH	5.61
Spec. Cond.(µS/cm)	99.66
Turbidity (NTU)	6.42
Temp.(°C)	18.46
DO (mg/L)	0.38
ORP (mV)	10.10

Sample ID: CAP2Q25-PIW-7D-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7S	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|TONY WATTS	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 15
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-16-2025 Time: 9:48

WATER VOLUME CALCULATION

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

Water Volume = 1.784

Initial Depth to Water (ft.): 9.13 Depth to Well Bottom (ft.): 20.28

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:05	9.65	300.00	1500.00	4.91	0.25	95.90	20.40	120.66	15.77	Clear	None	
10:10	9.71	300.00	1500.00	5.17	0.13	73.90	7.92	120.82	15.88	Clear	None	
10:15	9.73	300.00	1500.00	5.34	0.10	66.40	5.09	122.62	15.93	Clear	None	
10:25	9.73	300.00	3000.00	5.42	0.08	60.80	4.66	124.78	16.01	Clear	None	Missed parameters at 10:20 due to cleaning out flow through cell of sediment buildup
10:30	9.75	300.00	1500.00	5.49	0.08	54.30	5.36	125.58	16.14	Clear	None	
10:35	9.75	300.00	1500.00	5.51	0.08	52.00	3.88	125.96	16.12	Clear	None	
10:40	9.75	300.00	1500.00	5.56	0.07	46.30	4.15	127.69	16.20	Clear	None	
10:45	9.75	300.00	1500.00	5.58	0.07	44.50	4.03	127.86	16.22	Clear	None	
10:50	9.75	300.00	1500.00	5.56	0.07	46.40	5.21	126.99	16.25	Clear	None	

Screen Interval: 7-17

Sampling Data

Method: Low Flow Date: 04-16-2025 Time: 10:50
Field Filtered: No

Purge Start Time: 10:00
Total Volume Purged (mL): 15000

Field Parameters

STABILIZED PARAMETERS	
pH	5.56
Spec. Cond.(µS/cm)	126.99
Turbidity (NTU)	5.21
Temp.(°C)	16.25
DO (mg/L)	0.07
ORP (mV)	46.40

Sample ID: CAP2Q25-PIW-7S-041625
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	57.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

RECORD OF WELL SAMPLING

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

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: -- | Pump Loc: within screen

Method: Bailer | Date: 04-07-2025 | Time: 11:49

WATER VOLUME CALCULATION

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

Water Volume = 0.413

Initial Depth to Water (ft.): 28.23 | Depth to Well Bottom (ft.): 30.81

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:49	28.23	--	0.00	3.32	1.98	354.60	18.18	612.69	23.86	Clear	No	Purged 2195 mL
14:52	28.25	--	0.00	3.26	4.31	404.10	123.00	677.87	20.49	Cloudy	No	Purged 1514 mL
12:28	28.30	--	0.00	3.21	3.76	446.50	80.20	566.92	17.39	Cloudy	No	Purged 1820 mL
11:26	28.25	--	0.00	3.2	4.36	325.70	8.33	513.73	21.20	Clear	No	Purged 2080 mL
09:25	28.20	--	0.00	3.12	5.13	411.10	5.07	628.00	17.27	Clear	No	Purged 2275 mL

Screen Interval: 17-27

Sampling Data

Purge Start Time: 11:49

Method: Five Well Volume | Date: 04-11-2025 | Time: 09:25 | Total Volume Purged (mL): 0

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	3.12
Spec. Cond.(µS/cm)	628.00
Turbidity (NTU)	5.07
Temp.(°C)	17.27
DO (mg/L)	5.13
ORP (mV)	411.10

Sample ID: CAP2Q25-PW-04-041125

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	20

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 27
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-15-2025 Time: 14:30

WATER VOLUME CALCULATION

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

Water Volume = 2.046

Initial Depth to Water (ft.): 20.07 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			
14:50	20.96	320.00	1600.00	4.45	6.18	287.90	6.99	50.45	18.24	Clear	None	
14:55	21.22	320.00	1600.00	3.96	6.46	349.30	4.62	50.11	17.99	Clear	None	
15:00	21.26	320.00	1600.00	3.98	6.31	361.90	2.56	51.92	17.90	Clear	None	
15:05	20.67	320.00	1600.00	4.15	5.91	359.20	2.28	51.36	18.86	Clear	None	
15:10	21.11	320.00	1600.00	4.28	5.59	360.60	1.91	53.15	17.93	Clear	None	
15:15	21.27	320.00	1600.00	4.27	5.92	369.50	2.96	52.06	17.86	Clear	None	
15:20	21.28	320.00	1600.00	4.26	5.50	373.60	1.47	53.86	17.79	Clear	None	
15:25	21.28	320.00	1600.00	4.32	5.58	370.30	1.84	52.46	17.83	Clear	None	

Screen Interval: 19-29

Sampling Data

Purge Start Time: 14:45
Method: Low Flow Date: 04-15-2025 Time: 15:25 Total Volume Purged (mL): 12800
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.32
Spec. Cond.(µS/cm)	52.46
Turbidity (NTU)	1.84
Temp.(°C)	17.83
DO (mg/L)	5.58
ORP (mV)	370.30

Sample ID: CAP2Q25-PW-06-041525
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	14

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PW-07 | Well Diameter: 2 Inches

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: -- | Pump Loc: within screen

Method: Bailer | Date: 04-07-2025 | Time: 11:18

WATER VOLUME CALCULATION

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

Water Volume = 0.23

Initial Depth to Water (ft.): 40.36 | Depth to Well Bottom (ft.): 41.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:20	40.36	--	0.00	5.85	7.08	166.30	43.50	480.38	22.67	Cloudy	No	Purged 690 mL
13:24	40.54	--	0.00	4.93	8.12	292.90	104.00	214.73	18.31	Cloudy	No	Purged 1025 mL
09:37	40.51	--	0.00	5.77	8.95	130.50	65.90	55.17	19.75	Cloudy	No	Purged 1010 mL
08:48	40.41	--	0.00	5.53	9.10	109.60	30.70	70.03	17.56	Clear with particulates	No	Purged 1050 mL
10:10	40.37	--	0.00	5.64	8.37	185.70	14.31	123.31	20.46	Clear with particulates	No	Purged 1250 mL

Screen Interval: 28-38

Sampling Data

Purge Start Time: 11:20

Method: Five Well Volume | Date: 04-14-2025 | Time: 10:10 | Total Volume Purged (mL): 0

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	5.64
Spec. Cond.(µS/cm)	123.31
Turbidity (NTU)	14.31
Temp.(°C)	20.46
DO (mg/L)	8.37
ORP (mV)	185.70

Sample ID: CAP2Q25-PW-07-041425

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	21

RECORD OF WELL SAMPLING

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

Samplers: SAIRA BOHAM|TONY WATTS | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 53

Pump Loc: within screen

Method: Double valve pump | Date: 04-03-2025 | Time: 09:58

WATER VOLUME CALCULATION

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

Water Volume = 5.251

Initial Depth to Water (ft.): 25.39 | Depth to Well Bottom (ft.): 58.21

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:35	27.95	150.00	1500.00	10.72	3.15	-11.80	21.30	287.45	18.33	Clear	No	
10:40	28.51	150.00	750.00	10.73	3.60	-23.70	21.40	305.87	18.28	Clear	No	
10:45	28.89	150.00	750.00	10.61	3.63	-48.70	43.70	250.09	19.16	Clear with particles		
10:50	26.30	150.00	750.00	10.77	3.11	-66.20	30.49	251.36	20.07	Clear with particles	No	
10:55	27.50	150.00	750.00	9.92	5.28	-56.80	42.90	153.04	18.17	Clear with particles	No	
11:00	30.29	150.00	750.00	9.69	6.44	-38.80	41.60	142.81	18.10	Clear with particles	No	
11:05	30.20	150.00	750.00	8.77	0.31	-111.00	59.90	116.88	18.58	Clear with particles	No	
11:10	30.00	150.00	750.00	7.81	0.13	-186.20	57.10	108.11	18.72	Clear with particles	No	
11:15	29.99	150.00	750.00	7.55	0.09	-173.40	53.20	105.38	18.49	Clear with particles	No	
11:20	29.85	150.00	750.00	7.23	0.07	-147.90	48.76	100.98	18.56	Clear with particles	No	
11:25	29.80	150.00	750.00	7.07	0.09	-173.40	47.70	105.38	18.49	Clear with particles	No	
11:30	29.75	150.00	750.00	7	0.09	-133.50	47.10	96.65	18.76	Clear with particles	No	
11:35	29.65	150.00	750.00	6.92	0.16	-129.80	46.50	93.30	18.65	Clear with particles	No	
11:40	29.72	150.00	750.00	6.88	0.13	-129.50	45.30	91.86	18.48	Clear with particles	No	
11:45	27.69	150.00	750.00	6.82	0.13	-127.40	45.00	91.50	18.53	Clear with particles	No	
11:50	29.70	150.00	750.00	6.77	0.23	-124.90	44.80	89.96	18.30	Clear with particles	No	
11:55	29.73	150.00	750.00	6.74	0.19	-124.40	43.40	88.64	18.38	Clear with particles	No	
12:00	29.72	150.00	750.00	6.76	0.13	-127.60	43.20	87.67	18.46	Clear with particles	No	
12:05	29.72	150.00	750.00	6.71	0.12	-126.20	42.80	86.87	18.32	Clear with particles	No	
12:10	29.72	150.00	750.00	6.73	0.15	-127.50	41.30	86.83	18.48	Clear with particles	No	
12:15	29.74	150.00	750.00	6.71	0.14	-127.10	41.80	85.85	18.57	Clear with particles	No	
12:20	29.72	150.00	750.00	6.69	0.19	-126.00	40.00	85.31	18.40	Clear with particles	No	
12:25	29.72	150.00	750.00	6.65	0.26	-122.70	40.30	84.90	18.41	Clear with particles	No	
12:30	29.74	150.00	750.00	6.69	0.42	-122.50	40.90	85.11	18.52	Clear with particles	No	
12:35	29.72	150.00	750.00	6.69	0.19	-126.00	38.90	85.31	18.40	Clear with particles	No	
12:40	29.72	150.00	750.00	6.7	0.52	-120.10	40.40	84.48	18.44	Clear with particles	No	
12:45	29.72	150.00	750.00	6.69	0.51	-119.20	38.70	84.05	18.62	Clear with particles	No	
12:50	29.72	150.00	750.00	6.68	0.50	-118.60	39.20	83.48	18.56	Clear with particles	No	
12:55	29.72	150.00	750.00	6.63	0.48	-115.60	38.60	82.95	18.66	Clear with particles	No	
13:00	29.72	150.00	750.00	6.65	0.48	-117.20	37.90	82.54	18.81	Clear with particles	No	
13:05	29.55	240.00	1200.00	6.63	0.23	-118.40	36.20	80.87	19.23	Clear with particles	No	
13:10	29.55	240.00	1200.00	6.6	0.22	-117.10	37.00	80.61	19.22	Clear with particles	No	
13:15	29.56	240.00	1200.00	6.6	0.35	-116.80	36.70	80.97	18.79	Clear with particles	No	Part 1

Screen Interval: 54 - 74

Sampling Data

Method: Low Flow | Date: 04-03-2025 | Time: -- | Purge Start Time: 10:25

Field Filtered: Yes | Total Volume Purged (mL): 27600

Field Parameters

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

Sample ID: CAP2Q25-PW-09-040325

DuplicateID: --

QA/QC: --

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

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Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

Wind (mph)	3

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-09	Well Diameter:	2 Inches
Samplers:	SAIRA BOHAM|TONY WATTS	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 53
Pump Loc: within screen
Method: Double valve pump Date: 04-03-2025 Time: 9:58

WATER VOLUME CALCULATION

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

Water Volume = 5.251

Initial Depth to Water (ft.): 25.39 Depth to Well Bottom (ft.): 58.21

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:20	29.56	240.00	42000.00	6.61	0.38	-117.10	36.30	81.01	18.66	Clear with particles	No	Part 2
13:25	29.45	240.00	1200.00	6.63	0.37	-117.70	36.60	80.73	19.22	Clear with particles	No	
13:30	29.46	240.00	1200.00	6.62	0.35	-117.00	35.50	80.41	19.11	Clear	No	
13:35	29.45	240.00	1200.00	6.61	0.33	-116.50	35.10	80.22	19.11	Clear	No	
13:40	29.41	240.00	1200.00	6.58	0.34	-114.50	35.10	79.99	18.88	Clear	No	
13:45	29.41	240.00	1200.00	6.56	0.32	-114.00	35.40	79.72	18.86	Clear	No	
13:50	29.40	240.00	1200.00	6.59	0.31	-115.60	33.80	79.66	18.92	Clear	No	
13:55	29.40	240.00	1200.00	6.6	0.42	-113.90	34.70	79.51	18.86	Clear	No	
14:00	29.41	240.00	1200.00	6.58	0.37	-113.30	34.30	79.19	19.14	Clear	No	
14:10	29.41	240.00	2400.00	6.56	0.37	-111.80	33.80	78.93	19.09	Clear	No	
14:15	29.95	400.00	2000.00	6.71	2.88	-98.80	34.70	85.23	18.45	Clear	Slightly eggy	
14:20	30.31	400.00	2000.00	6.82	4.81	-75.70	34.20	89.42	18.42	Clear	Slightly eggy	
14:25	30.65	400.00	2000.00	6.81	3.91	-71.40	32.50	87.50	18.32	Clear	Slightly eggy	
14:30	30.80	400.00	2000.00	6.73	3.17	-70.10	32.70	85.65	18.25	Clear	Slightly eggy	
14:35	31.53	360.00	1800.00	6.69	2.26	-75.20	34.60	84.40	18.47	Clear	Slightly eggy	
14:40	31.39	360.00	1800.00	6.53	0.34	-86.20	41.00	79.21	18.69	Clear	Slightly eggy	
14:45	31.31	360.00	1800.00	6.56	0.39	-94.80	37.80	78.63	18.41	Clear	Slightly eggy	
14:50	31.31	360.00	1800.00	6.54	0.55	-95.70	37.50	78.71	18.60	Clear	Slightly eggy	
14:55	31.15	360.00	1800.00	6.57	0.87	-96.50	35.80	78.59	18.48	Clear	Slightly eggy	
15:00	31.05	360.00	1800.00	6.52	0.86	-92.40	34.90	78.29	18.45	Clear	Slightly eggy	
15:05	31.05	360.00	1800.00	6.55	0.87	-92.10	33.20	78.18	18.42	Clear	Slightly eggy	
15:10	31.05	360.00	1800.00	6.54	0.87	-91.40	34.40	78.23	18.66	Clear	Slightly eggy	

Screen Interval: 54- 44

Sampling Data

Purge Start Time: 10:25
Method: Low Flow Date: 04-03-2025 Time: 15:10 Total Volume Purged (mL): 76400
Field Filtered: Yes

Field Parameters

STABILIZED PARAMETERS	
pH	6.54
Spec. Cond.(µS/cm)	78.23
Turbidity (NTU)	34.40
Temp.(°C)	18.66
DO (mg/L)	0.87
ORP (mV)	-91.40

Sample ID: CAP2Q25-PW-09-040325-Z
DuplicateID: --
QA/QC: --

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

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RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: PZ-22 | Well Diameter: 1 Inches

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 48

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2025 | Time: 13:08

WATER VOLUME CALCULATION

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

Water Volume = 1.626

Initial Depth to Water (ft.): 11.06 | Depth to Well Bottom (ft.): 50.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:35	--	250.00	1250.00	4.5	0.28	231.50	45.80	112.47	17.26	Clear with particles	No	Unable to record depth of water due to pipe diameter (1in)
13:40	--	250.00	1250.00	4.47	0.19	211.90	20.60	113.94	17.34	Clear	No	Unable to record depth of water due to pipe diameter (1in)
13:45	--	250.00	1250.00	4.46	0.15	206.90	12.10	114.33	17.30	Clear	No	Unable to record depth of water due to pipe diameter (1in)
13:50	--	250.00	1250.00	4.46	0.14	204.30	6.51	114.45	17.30	Clear	No	Unable to record depth of water due to pipe diameter (1in)
13:55	--	250.00	1250.00	4.47	0.13	200.80	2.66	114.51	17.28	Clear	No	Unable to record depth of water due to pipe diameter (1in)
13:00	--	250.00	-13750.00	4.47	0.11	199.20	1.99	114.57	17.41	Clear	No	Unable to record depth of water due to pipe diameter (1in)
14:05	--	250.00	16250.00	4.47	0.11	197.40	1.52	114.48	17.46	Clear	No	Unable to record depth of water due to pipe diameter (1in)
14:10	--	250.00	1250.00	4.48	0.10	196.00	1.69	114.93	17.52	Clear	No	Unable to record depth of water due to pipe diameter (1in)

Screen Interval: 42.5-47.5

Sampling Data

Purge Start Time: 13:30

Method: Low Flow | Date: 04-16-2025 | Time: 14:10

Total Volume Purged (mL): 10000

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.48
Spec. Cond.(µS/cm)	114.93
Turbidity (NTU)	1.69
Temp.(°C)	17.52
DO (mg/L)	0.10
ORP (mV)	196.00

Sample ID: CAP2Q25-PZ-22-041625

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	DEBORAH AYERS|ERIN JANIGA	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 47
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-03-2025 Time: 9:55

WATER VOLUME CALCULATION

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

Water Volume = 3.579

Initial Depth to Water (ft.): 29.68 Depth to Well Bottom (ft.): 52.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:20	29.70	200.00	1000.00	5.28	0.48	25.20	12.45	90.88	19.39	Clear	Slightly eggy	
10:25	29.70	200.00	1000.00	5.16	0.24	32.20	9.73	89.19	19.36	Clear	Slightly eggy	
10:30	29.70	200.00	1000.00	5.17	0.19	36.40	8.77	89.17	19.21	Clear	Slightly eggy	
10:35	29.70	200.00	1000.00	5.21	0.17	40.00	8.04	89.03	19.19	Clear	Slightly eggy	
10:40	29.70	200.00	1000.00	5.24	0.16	46.00	8.26	89.00	19.13	Clear	Slightly eggy	
10:45	29.70	200.00	1000.00	5.26	0.16	52.20	9.92	89.21	19.26	Clear	Slightly eggy	
10:50	29.70	200.00	1000.00	5.27	0.16	59.70	9.13	89.25	19.37	Clear	Slightly eggy	
10:55	29.70	200.00	1000.00	5.27	0.16	70.40	9.43	89.00	19.25	Clear	Slightly eggy	
11:00	29.70	200.00	1000.00	5.28	0.16	74.70	7.65	89.10	19.24	Yes	Slightly eggy	
11:05	29.70	200.00	1000.00	5.29	0.17	0.17	5.62	88.86	19.33	Clear	Slightly eggy	
11:10	29.70	200.00	1000.00	5.29	0.11	71.90	9.67	89.97	19.02	Clear	Slightly eggy	
11:15	29.70	200.00	1000.00	5.3	0.11	70.50	7.71	89.96	19.03	Clear	Slightly eggy	
11:20	29.70	200.00	1000.00	5.31	0.11	72.20	5.74	88.20	19.15	Clear	Slightly eggy	

Screen Interval: 39-49

Sampling Data

Purge Start Time: 10:15
Method: Low Flow Date: 04-03-2025 Time: 11:20 Total Volume Purged (mL): 13000
Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	5.31
Spec. Cond.(µS/cm)	88.20
Turbidity (NTU)	5.74
Temp.(°C)	19.15
DO (mg/L)	0.11
ORP (mV)	72.20

Sample ID: CAP2Q25-SMW-10-040325
DuplicateID: --
QA/QC: MS|MSD

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

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

Samplers: DEBORAH AYERS|SAIRA BOHAM | Event: Quarterly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 20

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-15-2025 | Time: 14:57

WATER VOLUME CALCULATION

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

Water Volume = 1.632

Initial Depth to Water (ft.): 15.6 | Depth to Well Bottom (ft.): 25.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:25	15.66	240.00	1200.00	4.31	6.04	243.00	125.00	52.15	19.20	Cloudy	No	
15:30	15.66	240.00	1200.00	3.96	6.18	304.20	117.00	52.42	18.18	Cloudy	No	
15:35	15.66	240.00	1200.00	3.88	4.41	322.30	44.50	55.43	17.93	Clear with particulates	No	
15:40	15.66	240.00	1200.00	3.99	3.97	327.20	20.50	55.78	17.98	Clear	No	
15:45	15.66	240.00	1200.00	4.1	3.74	332.10	7.20	55.89	18.05	Clear	No	
15:50	15.66	240.00	1200.00	4.12	3.78	335.30	3.87	55.89	17.90	Clear	No	

Screen Interval: 13-23

Sampling Data

Purge Start Time: 15:20

Method: Low Flow | Date: 04-15-2025 | Time: 15:50 | Total Volume Purged (mL): 7200

Field Filtered: No

Field Parameters

STABILIZED PARAMETERS	
pH	4.12
Spec. Cond.(µS/cm)	55.89
Turbidity (NTU)	3.87
Temp.(°C)	17.90
DO (mg/L)	3.78
ORP (mV)	335.30

Sample ID: CAP2Q25-SMW-11-041525

DuplicateID: --

QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	12

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|SAIRA BOHAM	Event:	Quarterly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 97
Pump Loc: within screen
Method: Double valve pump Date: 04-10-2025 Time: 09:39

WATER VOLUME CALCULATION

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

Water Volume = 1.909

Initial Depth to Water (ft.): 90.08 Depth to Well Bottom (ft.): 102.01

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:15	90.10	200.00	2000.00	3.81	0.40	273.00	45.50	162.92	16.73	Clear	None	
10:20	90.11	200.00	1000.00	3.87	0.26	266.30	34.50	162.80	16.81	Clear	None	
10:25	90.11	200.00	1000.00	3.86	0.23	283.40	28.50	162.04	16.87	Clear	None	
10:30	90.11	200.00	1000.00	3.86	0.22	288.50	25.40	161.66	16.98	Clear	None	
10:35	90.08	200.00	1000.00	3.85	0.22	289.90	23.60	162.43	16.92	Clear	None	
10:40	90.10	200.00	1000.00	3.85	0.22	292.90	21.80	161.77	16.97	Clear	None	
10:45	90.10	200.00	1000.00	3.85	0.23	295.20	20.50	161.67	17.06	Clear	None	
10:50	90.10	200.00	1000.00	3.88	0.27	295.70	16.67	161.84	17.03	Clear	None	
10:55	90.10	200.00	1000.00	3.88	0.27	295.10	12.49	161.54	17.09	Clear	None	
11:00	90.10	200.00	1000.00	3.85	0.28	296.70	13.56	161.71	17.16	Clear	None	

Screen Interval: 88-98

Sampling Data

Method: Low Flow Date: 04-10-2025 Time: 11:00
Field Filtered: No

Purge Start Time: 10:05
Total Volume Purged (mL): 11000

Field Parameters

STABILIZED PARAMETERS	
pH	3.85
Spec. Cond.(µS/cm)	161.71
Turbidity (NTU)	13.56
Temp.(°C)	17.16
DO (mg/L)	0.28
ORP (mV)	296.70

Sample ID: CAP2Q25-SMW-12-041025
DuplicateID: --
QA/QC: --

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|SAIRA BOHAM|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-29-2025	Time:	11:56		

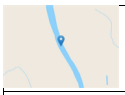
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-BLADEN-042925	04-29-2025 12:00		6.81	7.83	115.10	22.20	153.31	27.77	Clear	No	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7	Distance to River Right:	27
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	51
Total Depth to Bottom of Channel (ft):	14.2	Multi Meter ID:	1172834	Distance to River (Right/Left) Units:	m

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7723759371967
Longitude:	-78.7981020936505



GPS Location (if collected)

General Comments:	
Sample Comments:	

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|GRANT WALLACE|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	05-02-2025	Time:	9:57		

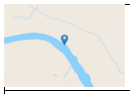
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-KINGS-050225	05-02-2025 10:10		7.53	7.02	-7.50	23.90	226.82	24.69	Clear	None	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8.5	Distance to River Right:	94
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	16
Total Depth to Bottom of Channel (ft):	17.5	Multi Meter ID:	1172834	Distance to River (Right/Left) Units:	m

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.4079731613094
Longitude:	-78.2955100334618



GPS Location (if collected)

General Comments:	Had to move sample location upstream by 300 feet due to maintenance on intake at plant after confirming with Ken. Plant was blowing out line periodically causing disturbance around sample location
Sample Comments:	

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|SAIRA BOHAM|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-29-2025	Time:	16:07		

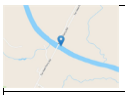
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-TARHEEL-042925	04-29-2025 16:15		6.69	7.82	94.60	24.30	136.93	26.80	Clear	No	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6.5	Distance to River Right:	46
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	29
Total Depth to Bottom of Channel (ft):	13.1	Multi Meter ID:	1172834	Distance to River (Right/Left) Units:	m

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

Latitude:	34.7445477381665
Longitude:	-78.7850875394615



GPS Location (if collected)

General Comments:	
Sample Comments:	

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	BROCK SHATTUCK|TONY WATTS|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-02-2025	Time:	11:44		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-WC-1-24-040325	04-03-2025 07:00		5.53	8.48	101.30	48.20	134.96	22.04	Cloudy	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-02-2025 08:00	Multi Meter ID:	1172834
ISCO End Date and Time:	04-03-2025 07:00		

WEATHER CONDITIONS	
Temperature (F):	72.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8512619918713
Longitude:	-78.8276832301708

GPS Location (if collected)

General Comments:	
Sample Comments:	

ISCO

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|SAIRA BOHAM|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	09:20		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-RM-76-040825	04-08-2025 09:40		7.70	7.70	125.40	8.98	449.60	19.52	Clear	No	--

Sampling Data

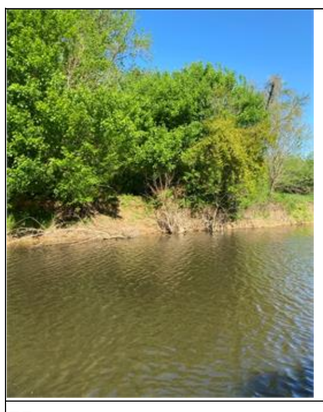
Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10.75	Distance to River Right:	21
Sampling Location:	River Right	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	64
Total Depth to Bottom of Channel (ft):	21.5	Multi Meter ID:	1172835	Distance to River (Right/Left) Units:	m

WEATHER CONDITIONS	
Temperature (F):	55.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	15

Latitude:	34.8540405014872
Longitude:	-78.8271369289833

GPS Location (if collected)

General Comments:	
Sample Comments:	



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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-09-2025	Time:	11:15		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-TARHEEL-24-040925	4/9/2025 19:36		7.19	7.66	129.80	25.60	135.71	20.68	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/8/2025 20:36	Multi Meter ID:	1172835
ISCO End Date and Time:	4/9/2025 19:36		

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

Latitude:	34.7449446957235
Longitude:	-78.7851776137908

GPS Location (if collected)

General Comments:	
Sample Comments:	

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|KEN STUART|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-09-2025	Time:	9:02		

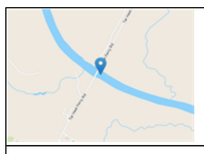
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-CFR-TARHEEL-040925	04-09-2025 09:10		7.18	7.85	172.10	16.18	193.93	15.91	Clear	None	--

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8	Distance to River Right:	37
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	40
Total Depth to Bottom of Channel (ft):	16.4	Multi Meter ID:	1172835	Distance to River (Right/Left) Units:	m

WEATHER CONDITIONS	
Temperature (F):	48.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.744406
Longitude:	-78.7852221



GPS Location (if collected)

General Comments:	
Sample Comments:	

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	SAIRA BOHAM|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	13:36		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-GBC-1-040825	04-08-2025 13:50		4.92	8.98	127.60	11.84	98.65	20.85	Clear	No	--

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
Water Quality Condition:	--	Multi Meter ID:	1172835	Flow Rate Units:	--

WEATHER CONDITIONS	
Temperature (F):	63.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	18

Latitude:	34.8148757355379
Longitude:	-78.8213705827863

GPS Location (if collected)

General Comments:	
Sampling Comments:	

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM SEEP	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|DEBORAH AYERS|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	12:51		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-LOCK-DAM-SEEP-040825	04-08-2025 12:55		6.67	4.36	231.40	76.60	254.29	20.78	Clear/tan	Slight	--

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	22.8
Water Quality Condition:	--	Multi Meter ID:	1172835	Flow Rate Units:	L/min

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Latitude:	34.8338750601506
Longitude:	-78.823760539724

GPS Location (if collected)

Sampling

General Comments:	
Sampling Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM NORTH	Project Manager:	Tracy Ovbey
Samplers:	KEN STUART|DEBORAH AYERS|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	13:05		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-LOCK-DAM-NORTH-040825	04-08-2025 13:10		5.82	5.77	260.10	29.00	192.20	20.92	Clear	No	--

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	3.63
Water Quality Condition:	--	Multi Meter ID:	1172835	Flow Rate Units:	L/min

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Latitude:	34.8339611029618
Longitude:	-78.8238609395524

GPS Location (if collected)

Sampling

General Comments:	
Sampling Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-2	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	11:21		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-OLDOF-2-24-040925	04-09-2025 10:06		7.00	8.81	36.00	21.20	652.46	18.85	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 11:06	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 10:06		

WEATHER CONDITIONS	
Temperature (F):	59.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.8322312720444
Longitude:	-78.8239604887355

GPS Location (if collected)

General Comments:	
Sample Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	12:50		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-OUTFALL-002-24-040925	04-09-2025 11:50		7.39	9.39	124.00	43.50	206.45	22.08	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 12:50	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 11:50		

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.8383215209794
Longitude:	-78.8286126126338

GPS Location (if collected)

General Comments:	
Sample Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER-WATER-INTAKE	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	11:03		

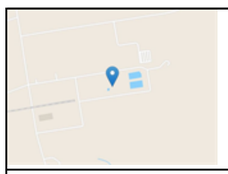
Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
RIVER-WATER-INTAKE-24-040925	04-09-2025 08:36		7.20	8.29	100.90	25.60	248.01	20.69	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 09:36	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 08:36		

WEATHER CONDITIONS	
Temperature (F):	59.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.843669142595
Longitude:	-78.8353017539669



GPS Location (if collected)

General Comments:	
Sample Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	13:26		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-SEEP-A-24-040925	04-09-2025 12:27		4.35	2.97	403.70	20.00	445.56	21.68	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 13:27	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 12:27		

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.8450819739246
Longitude:	-78.8252429774564

GPS Location (if collected)

General Comments:	
Sample Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	18:08		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-SEEP-B-040825	04-08-2025 18:09		--	--	--	--	--	--	--	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	--
ISCO Start Date and Time:	04-08-2025 18:09	Multi Meter ID:	--
ISCO End Date and Time:	04-08-2025 18:09		

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:

Longitude:

GPS Location (if collected)

General Comments:	
Sample Comments:	No sample collected, no processing water flowing through flow cell.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	13:06		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-SEEP-C-24-040925	04-09-2025 09:36		7.39	5.14	122.10	23.10	502.97	22.33	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 10:36	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 09:36		

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

4/3/1900 0:00	34.8383652033256
Longitude:	-78.8245857549417

GPS Location (if collected)

General Comments:	
Sample Comments:	

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	13:26		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	^{o}C			
CAP2Q25-SEEP-D-040825	04-08-2025 18:07		--	--	--	--	--	--	--	--	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	
ISCO Start Date and Time:	04-08-2025 18:07	Multi Meter ID:	
ISCO End Date and Time:	04-08-2025 18:07		

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:

Longitude:

GPS Location (if collected)

General Comments:

Sample Comments: No sample collected, no processing water flowing through flow cell.

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|ERIN JANIGA|	Sampling Event:	Quarterly CAP	Event Type:	Sampling
Date:	04-08-2025	Time:	09:30		

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
				mg/L	mV	NTU	µS/cm	°C			
CAP2Q25-WC-1-24-040925	04-09-2025 08:30		7.20	9.04	65.60	63.30	336.23	16.38	Cloudy	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-08-2025 09:30	Multi Meter ID:	1172834
ISCO End Date and Time:	04-09-2025 08:30		

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

Latitude:	34.8512452379991
Longitude:	-78.8277476967741

GPS Location (if collected)

General Comments:	
Sample Comments:	

ISCO

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|BROCK SHATTUCK|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-03-2025	Time:	11:19		

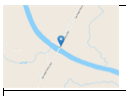
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-040325	04-03-2025 23:01		04-03-2025	11:22	6.96	8.19	215.20	8.93	135.10	22.30	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	YSI Pro
ISCO Start Date and Time:	04-03-2025 00:01	Multi Meter ID:	24K105076
ISCO End Date and Time:	04-03-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	78.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	15

Latitude:	34.7450059263859
Longitude:	-78.7852193917902
Staff Gauge Water Level Reading (ft):	2
Temperature Reading (degrees C):	28
Rain Reading (mm)	5



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-033125, CFR-TARHEEL-24-040125, and CFR-TARHEEL-24-040225; no errors, but sample bottles volume looked lower than usual so calibrated ISCO; Set up DEQ split sample ISCO to start Monday 4/7/25. Replaced all silicone tubing, leaned solar panels, and conducted drone practice flight.
Sampling Comments:	

Staff gauge

Rain gauge

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-07-2025	Time:	15:30		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-040725	04-07-2025 23:01		04-07-2025	15:42	6.59	7.86	137.60	12.44	185.93	22.44	Clear	No	DUP|MS|MSD

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-07-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	04-07-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	25

Latitude:	34.7450561454658
Longitude:	-78.7851511291824
Staff Gauge Water Level Reading (ft):	1.8
Temperature Reading (degrees C):	21
Rain Reading (mm)	2

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-040325, CFR-TARHEEL-24-040425, CFR-TARHEEL-24-040525, and CFR-TARHEEL-24-040626; no errors; checked DEQ - no more liquid for samples 11 and 12; recalibrated regular ISCO
Sampling Comments:	

ISCOs

Staff gauge

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:	Maintenance
Date:	04-08-2025	Time:	15:27		

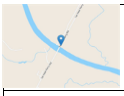
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
--	--		--	--	--	--	--	--	--	--	--	--	--

Sampling Data

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

WEATHER CONDITIONS	
Temperature (F):	67.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7449794
Longitude:	-78.7851902
Staff Gauge Water Level Reading (ft):	2
Temperature Reading (degrees C):	20
Rain Reading (mm)	37



GPS Location (if collected)

General Comment:	Collected QAQC ISCO, changed tubing, reset with new bottle, calibrated flow, and programmed CAP ISCO to run 4/8/25 @ 2036. And cleaned solar panels.
Sampling Comments:	

Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-10-2025	Time:	12:13		

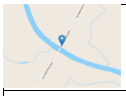
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-041025	04-10-2025 23:01		04-10-2025	12:35	7.04	8.09	175.60	93.50	164.38	25.15	Cloudy	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-10-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	04-10-2025 23:01		

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

Latitude:	34.7450217625186
Longitude:	-78.7851825071272
Staff Gauge Water Level Reading (ft):	9.6
Temperature Reading (degrees C):	34
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collect CFR-TARHEEL-24040725, CFR-TARHEEL-24040825, and CFR-TARHEEL-2404925; no errors
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SAIRA BOHAM |DEBORAH AYERS	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-14-2025	Time:	09:21		

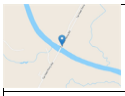
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-041425	04-14-2025 23:01		04-14-2025	09:25	7.16	9.44	188.00	59.70	180.98	16.26	Clear with particulates	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-14-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	04-14-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	
Sky:	
Precipitation:	
Wind (mph)	

Latitude:	34.745007316304
Longitude:	-78.785280469332
Staff Gauge Water Level Reading (ft):	7.1
Temperature Reading (degrees C):	11
Rain Reading (mm)	11



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-041025, CFR-TARHEEL-24-041125, CFR-TARHEEL-24-041225, and CFR-TARHEEL-24-041325; no errors
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-17-2025	Time:	10:38		

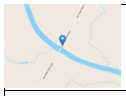
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-041725	04-17-2025 23:01		04-17-2025	10:48	7.19	8.47	152.50	34.60	166.76	20.52	Clear with particles	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-17-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	04-17-2025 23:01		

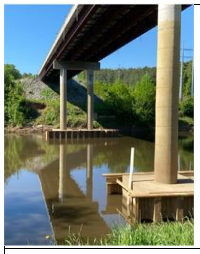
WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7450438467421
Longitude:	-78.7851816875461
Staff Gauge Water Level Reading (ft):	3.5
Temperature Reading (degrees C):	21
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-041425, CFR-TARHEEL-24-041525 and CFR-TARHEEL-24-041624; no errors.
Sampling Comments:	



Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-21-2025	Time:	10:38		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-042125	04-21-2025 23:01		04-21-2025	10:45	6.64	8.44	135.60	32.30	180.71	22.86	Clear	No	--

Sampling Data

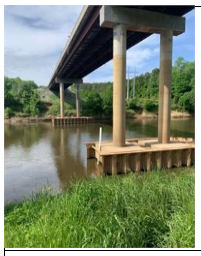
Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-21-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	04-21-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.7449983478874
Longitude:	-78.7852292469947
Staff Gauge Water Level Reading (ft):	1.5
Temperature Reading (degrees C):	30
Rain Reading (mm)	0

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-041725, CFR-TARHEEL-24-041825, CFR-TARHEEL-24-041925, and CFR-TARHEEL-24-042025; no errors
Sampling Comments:	



Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-24-2025	Time:	12:23		

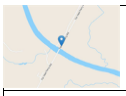
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-042425	04-24-2025 23:01		04-24-2025	12:30	7.00	7.67	117.80	8.93	170.30	25.77	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-24-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	04-24-2025 23:01		

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

Latitude:	34.7451251477284
Longitude:	-78.7851249208998
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	39
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-042125, CFR-TARHEEL-24-042225 and CFR-TARHEEL-24-042325;no errors
Sampling Comments:	

Staff Guage

ISCOS

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	SAIRA BOHAM|THOMAS STRAYHORN|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-28-2025	Time:	09:54		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-042825	04-28-2025 23:01		04-28-2025	10:10	7.10	6.63	152.30	72.00	530.15	18.95	Cloudy	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-28-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	04-28-2025 23:01		

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

Latitude:	34.7449596004559
Longitude:	-78.7851901577906
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	13
Rain Reading (mm)	0

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-042425, CFR-TARHEEL-24-042525, CFR-TARHEEL-24-042625, and CFR-TARHEEL-24-042725; no errors
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-01-2025	Time:	11:32		

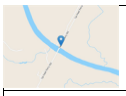
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-050125	05-01-2025 23:01		05-01-2025	11:40	7.20	7.64	111.70	24.40	170.86	26.10	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-01-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-01-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.7449957301866
Longitude:	-78.7851595018971
Staff Gauge Water Level Reading (ft):	0.3
Temperature Reading (degrees C):	37
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-042825, CFR-TARHEEL-24-042925, and CFR-TARHEEL-24-043025; no errors
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-05-2025	Time:	10:03		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-050525	05-05-2025 23:01		05-05-2025	10:13	7.33	8.31	77.80	27.50	217.04	21.41	Clear with particles	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-05-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-05-2025 23:01		

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

Latitude:	34.7449602176575
Longitude:	-78.7852856128518
Staff Gauge Water Level Reading (ft):	1
Temperature Reading (degrees C):	21
Rain Reading (mm)	20

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-050125, CFR-TARHEEL-24-050225, CFR-TARHEEL-24-050325 and CFR-TARHEEL-24-050425; No errors
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-08-2025	Time:	11:45		

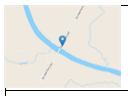
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-050825	05-08-2025	23:01	05-08-2025	11:50	7.30	7.40	133.10	20.70	524.53	24.99	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-08-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-08-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.7450609602002
Longitude:	-78.7850703809506
Staff Gauge Water Level Reading (ft):	2.8
Temperature Reading (degrees C):	33
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-050525, CFR-TARHEEL-24-050625, and CFR-TARHEEL-24-050735; no errors; set up DEQ split to run 5/12
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-12-2025	Time:	09:50		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-051225	05-12-2025 23:01		05-12-2025	09:56	7.75	7.94	58.90	38.60	259.13	21.02	Clear with particulates	No	DUP|MS|MSD

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-12-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-12-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	8

Latitude:	34.7450123474627
Longitude:	-78.785221322636
Staff Gauge Water Level Reading (ft):	2.8
Temperature Reading (degrees C):	21
Rain Reading (mm)	30

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-050825, CFR-TARHEEL-24-050925, CFR-TARHEEL-24-051025, and CFR-TARHEEL-24-051125; no errors; checked DEQ -no errors
Sampling Comments:	

Staff gauge

ISCOs

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:	05-13-2025	Time:	13:20		

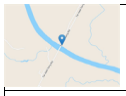
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-051325	05-13-2025 23:01		05-13-2025	13:33	7.80	7.87	97.50	46.60	218.41	23.65	Clear with few particles	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-13-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	05-13-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.7449169
Longitude:	-78.7852327
Staff Gauge Water Level Reading (ft):	5.6
Temperature Reading (degrees C):	31
Rain Reading (mm)	62



GPS Location (if collected)

General Comment:	High rain event sample parameter and ISCO check
Sampling Comments:	

Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-14-2025	Time:	13:26		

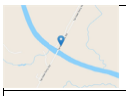
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-14-051425	05-14-2025 13:01		05-14-2025	14:32	7.30	7.19	141.50	285.00	152.71	25.28	Murky	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-14-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-14-2025 13:01		

WEATHER CONDITIONS	
Temperature (F):	76.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	34.7452725531703
Longitude:	-78.7850078131797
Staff Gauge Water Level Reading (ft):	13.8
Temperature Reading (degrees C):	31
Rain Reading (mm)	5



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-051225 and CFR-TARHEEL-24-051325 - no errors; pulled ISCOs due to rising river and collected partial CFR-TARHEEL-14-051425 and grab (CFR-TARHEEL-051425) @1332
Sampling Comments:	

Staff gauge

Emptied ISCO shed

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BROCK SHATTUCK|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-16-2025	Time:	11:02		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-051625	05-16-2025 11:30		05-16-2025	11:30	6.82	6.91	153.20	66.50	527.29	25.78	Clear with particles	No	--

Sampling Data

Sampling Method:	Bailer	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172835
ISCO End Date and Time:	--		

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

Latitude:	34.7449647032353
Longitude:	-78.7851425209242
Staff Gauge Water Level Reading (ft):	15
Temperature Reading (degrees C):	40
Rain Reading (mm)	--

GPS Location (if collected)

General Comment:	Collected grab CFR-TARHEEL-051625 @ 1130 using drone due high river conditions. Rain gauge was removed when ISCOs were pulled, rain readings were not collected.
Sampling Comments:	

Drone using bailer to collect sample

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-20-2025	Time:	10:37		

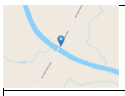
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-052025	05-20-2025 10:55		05-20-2025	10:57	7.69	7.26	22.00	35.20	1941.60	24.87	Clear	No	--

Sampling Data

Sampling Method:	Peri Pump Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172834
ISCO End Date and Time:	--		

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

Latitude:	34.7449378851844
Longitude:	-78.7851531957017
Staff Gauge Water Level Reading (ft):	4
Temperature Reading (degrees C):	35
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected grab CFR-TARHEEL-052025 @ 1055 and re installed ISCO. Conductivity checked twice due to high range and got consistent results; calibrated ISCO
Sampling Comments:	

Staff gauge

ISCOS

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-23-2025	Time:	07:58		

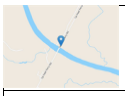
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-052325	05-23-2025 08:27		05-23-2025	8:00	7.35	9.01	36.40	10.13	179.68	19.56	Clear	No	--

Sampling Data

Sampling Method:	Peri Pump Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172835
ISCO End Date and Time:	--		

WEATHER CONDITIONS	
Temperature (F):	62.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.7449758347488
Longitude:	-78.7851716335094
Staff Gauge Water Level Reading (ft):	1.9
Temperature Reading (degrees C):	11
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Internal ISCO silicone popped out - no sample for 5/21 or 5/22; Grab sample collected for 5/23 @0827 CFR-TARHEEL-052325; also collected 0801 sample for 5/23 composite - will have 16 of 24 samples.
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-27-2025	Time:	10:24		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-052725	05-27-2025 10:38		05-27-2025	10:38	7.05	7.54	150.70	8.69	201.85	20.94	Clear	No	--

Sampling Data

Sampling Method:	ISCO grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172835
ISCO End Date and Time:	--		

WEATHER CONDITIONS	
Temperature (F):	64.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	8

Latitude:	34.7450837592179
Longitude:	-78.7850669059268
Staff Gauge Water Level Reading (ft):	1.5
Temperature Reading (degrees C):	16
Rain Reading (mm)	3

GPS Location (if collected)

General Comment:	Collected samples: CFR-TARHEEL-16-052325 - silicone error; CFR-TARHEEL-24-52425 - no errors; CFR-TARHEEL-9-052525 -power failure; no sample for 5/26 due to power failure/program stopped; collected grab @1038 (CFR-TARHEEL-052725); set ISCO to restart at 0001 on 5/28
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-28-2025	Time:	16:00		

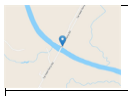
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-052825	05-28-2025 23:01		05-28-2025	16:10	7.78	8.36	72.20	17.74	202.05	22.47	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-28-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-28-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	7

Latitude:	34.7449507373441
Longitude:	-78.7852511159959
Staff Gauge Water Level Reading (ft):	2.1
Temperature Reading (degrees C):	26
Rain Reading (mm)	20



GPS Location (if collected)

General Comment:	Checked ISCO and collected parameters
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-29-2025	Time:	10:02		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-052925	05-29-2025 23:01		05-29-2025	10:13	7.48	7.97	93.50	30.30	128.79	23.26	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-29-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	05-29-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7448087360556
Longitude:	-78.785376962722
Staff Gauge Water Level Reading (ft):	2.1
Temperature Reading (degrees C):	28
Rain Reading (mm)	0

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-052825; no errors
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-02-2025	Time:	10:21		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-060225	06-02-2025 10:40		06-02-2025	10:40	7.02	7.67	146.50	103.00	134.83	22.20	Cloudy	No	--

Sampling Data

Sampling Method:	ISCO Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172835
ISCO End Date and Time:	--		

WEATHER CONDITIONS	
Temperature (F):	69.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.74495767020457
Longitude:	-78.78520586528306
Staff Gauge Water Level Reading (ft):	12.6
Temperature Reading (degrees C):	27
Rain Reading (mm)	31

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-052925, CFR-TARHEEL-24-053025, CFR-TARHEEL-24-053125; and CFR-TARHEEL-24-060125; no errors for samples 5/29-5/31, power failure errors for 6/1 but retries were successful and no samples were lost; program stopped for 6/2 @0001- grab collected @1040; program set to restart at 0001 on 6/3
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-03-2025	Time:	10:58		

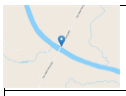
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-060325	06-03-2025 23:01		06-03-2025	11:04	7.77	6.72	96.00	79.10	226.52	24.48	Cloudy	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-03-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	06-03-2025 23:01		

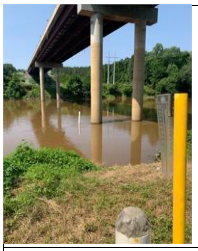
WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449049120377
Longitude:	-78.7853076561958
Staff Gauge Water Level Reading (ft):	10.6
Temperature Reading (degrees C):	39
Rain Reading (mm)	2



GPS Location (if collected)

General Comment:	Checked ISCO- no errors; changed to Lithium battery
Sampling Comments:	



Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-05-2025	Time:	09:40		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-060525	06-05-2025 23:01		06-05-2025	09:42	7.50	8.56	126.80	24.40	143.60	23.31	Clear with particulates	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-05-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	06-05-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	3

Latitude:	34.74558182
Longitude:	-78.78522877
Staff Gauge Water Level Reading (ft):	--
Temperature Reading (degrees C):	--
Rain Reading (mm)	42

GPS Location (if collected)

General Comment:	Parameters for rain event sample
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|FELIPE SILVA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-06-2025	Time:	09:08		

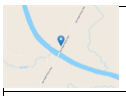
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-060625	06-06-2025 09:18		06-06-2025	09:18	7.12	7.77	128.00	21.40	273.20	23.50	Clear with particulates	No	--

Sampling Data

Sampling Method:	ISCO grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172835
ISCO End Date and Time:	--		

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.74558182
Longitude:	-78.78522877
Staff Gauge Water Level Reading (ft):	4
Temperature Reading (degrees C):	21
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-060325, CFR-TARHEEL-24-060425, CFR-TARHEEL-24-060525 - no errors; collected partial CFR-TARHEEL-10-060625 - no errors; collected grab @ 0918; pulled ISCO due to rising river
Sampling Comments:	

Staff gauge

Emptied shed

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-10-2025	Time:	11:13		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-061025	06-10-2025 11:25		06-10-2025	11:26	6.70	6.84	135.50	116.00	625.60	23.36	Cloudy with particles	No	--

Sampling Data

Sampling Method:	Peri Pump Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	--	Multi Meter ID:	1172834
ISCO End Date and Time:	--		

WEATHER CONDITIONS	
Temperature (F):	78.00
Sky:	Partly Cloudy
Precipitation:	Rain
Wind (mph)	9

Latitude:	34.74498302575456
Longitude:	-78.78515712459247
Staff Gauge Water Level Reading (ft):	4.5
Temperature Reading (degrees C):	25
Rain Reading (mm)	20

GPS Location (if collected)

General Comment:	Collected grab CFR-TARHEEL-061025 @ 11:25; ISCO back and restarted program to run 0001 on 6/11
Sampling Comments:	

Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-11-2025	Time:	10:27		

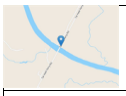
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-061125	06-11-2025 23:01		06-11-2025	10:35	7.02	7.55	124.60	37.70	142.70	26.89	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-11-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	06-11-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.7449386526573
Longitude:	-78.7852260323995
Staff Gauge Water Level Reading (ft):	3.5
Temperature Reading (degrees C):	27
Rain Reading (mm)	5



GPS Location (if collected)

General Comment:	
Sampling Comments:	

Checked ISCO for errors and collected parameters

Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|BROCK SHATTUCK|KEN STUART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-12-2025	Time:	12:00		

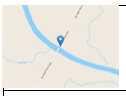
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-061225	06-12-2025 23:01		06-12-2025	12:22	7.49	6.67	94.60	17.19	317.00	28.53	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-12-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	06-12-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7449867
Longitude:	-78.7852043
Staff Gauge Water Level Reading (ft):	3.2
Temperature Reading (degrees C):	39
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Rain gauge was empty on the ground. Setup DEQ ISCO to start 0001 on Monday. Reset lithium battery and solar charger. Collected CFR-TARHEEL-24-061125; no errors
Sampling Comments:	

River

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BRANDON WEIDNER|BROCK SHATTUCK|KEN STUART|	Sampling Event:	Weekly River	Event Type:	Maintenance
Date:	06-12-2025	Time:	12:56		

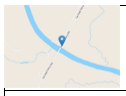
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
--	--		--	--	--	--	--	--	--	--	--	--	--

Sampling Data

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

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.7449777
Longitude:	-78.7851976
Staff Gauge Water Level Reading (ft):	3.2
Temperature Reading (degrees C):	37
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Monthly drone practice flight. Each pilot practiced drone flight with bailer capturing river sample pouring off the sample.
Sampling Comments:	

Drone collects a bailer of river water

The bailer sample is handled while the drone is in flight.

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:	06-16-2025	Time:	14:50		

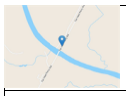
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-061625	06-16-2025 23:01		06-16-2025	15:05	7.15	7.40	74.90	36.40	161.40	27.03	Clear	None	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-16-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	06-16-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	90.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.7453602636557
Longitude:	-78.7850446534145
Staff Gauge Water Level Reading (ft):	3.2
Temperature Reading (degrees C):	96
Rain Reading (mm)	28



GPS Location (if collected)

General Comment:	Checked ISCOs; Collected CFR-TARHEEL-24-061225, Collected CFR-TARHEEL-24-061325, and Collected CFR-TARHEEL-24-061425; No errors; Standard ISCO is over collecting; recalibrated and switched out battery; DEQ ISCO error - reset to start 0001 on 6/18
Sampling Comments:	

Staff gauge

ISCOs

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-18-2025	Time:	11:48		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-061825	06-18-2025 23:01		06-18-2025	11:53	6.94	7.42	134.70	156.00	141.90	31.21	Hazy	No	DUP|MS|MSD

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-18-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	06-18-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	89.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Latitude:	34.7448678952653
Longitude:	-78.7852231522036
Staff Gauge Water Level Reading (ft):	13
Temperature Reading (degrees C):	38
Rain Reading (mm)	23

GPS Location (if collected)

General Comment:	Collected DEQ parameters; no errors so far
Sampling Comments:	

Staff gauge

ISCOs

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-19-2025	Time:	09:13		

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-061925	06-19-2025 23:01		06-19-2025	09:30	7.35	7.46	172.50	199.00	239.70	26.63	Hazy	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-19-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	06-19-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	34.7450511867292
Longitude:	-78.7850455173857
Staff Gauge Water Level Reading (ft):	9.7
Temperature Reading (degrees C):	27
Rain Reading (mm)	0

GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-061525, CFR-TARHEEL-24-061625, CFR-TARHEEL-24-061725, CFR-TARHEEL-24-061825 with DEQ; no errors
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-23-2025	Time:	12:57		

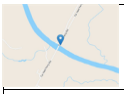
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-062325	06-23-2025 23:01		06-23-2025	13:10	7.35	7.13	100.20	48.70	150.80	31.68	Clear with particulates	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-23-2025 00:01	Multi Meter ID:	1172835
ISCO End Date and Time:	06-23-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	94.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.7448548026737
Longitude:	-78.7851970782914
Staff Gauge Water Level Reading (ft):	1.8
Temperature Reading (degrees C):	41
Rain Reading (mm)	0



GPS Location (if collected)

General Comment:	Collected CFR-TARHEEL-24-061925, CFR-TARHEEL-24-062025, CFR-TARHEEL-24-062125, and CFR-TARHEEL-24-062225; no errors
Sampling Comments:	

ISCOs

Staff gauge and ISCO shed

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-26-2025	Time:	10:00		

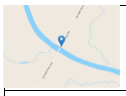
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-062725	06-27-2025 00:01		06-26-2025	10:06	7.05	7.24	74.10	18.37	167.90	25.81	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-27-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	06-27-2025 23:01		

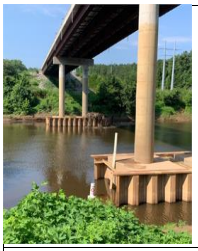
WEATHER CONDITIONS	
Temperature (F):	96.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.7449748799866
Longitude:	-78.7852231589322
Staff Gauge Water Level Reading (ft):	2
Temperature Reading (degrees C):	25
Rain Reading (mm)	10



GPS Location (if collected)

General Comment:	Collected CFR-Tarheel-24-062325, CFR-Tarheel-24-062425, and CFR-Tarheel-24-062525; no errors
Sampling Comments:	



Staff gauge

ISCO

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	DEBORAH AYERS|SAIRA BOHAM|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-30-2025	Time:	09:11		

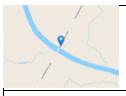
Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC
			Date	Time		mg/L	mV	NTU	µS/cm	°C			
CFR-TARHEEL-24-063025	06-30-2025 23:01		06-30-2025	09:18	7.26	7.32	27.70	20.70	173.80	26.65	Clear	No	--

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-30-2025 00:01	Multi Meter ID:	1172834
ISCO End Date and Time:	06-30-2025 23:01		

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	34.7450219154064
Longitude:	-78.7851246492078
Staff Gauge Water Level Reading (ft):	1.7
Temperature Reading (degrees C):	26
Rain Reading (mm)	6



GPS Location (if collected)

General Comment:	Collect CFR-TARHEEL-24-062625, CFR-TARHEEL-24-062725, CFR-TARHEEL-24-062825, and CFR-TARHEEL-24-062925; no errors
Sampling Comments:	

ISCOs

Staff gauge

PARSONS

Appendix D
Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP GW Sampling 2Q25

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
CAP2Q25-PW-09-040325	320-120578-1	Groundwater	N	04/03/2025	15:10	FS
CAP2Q25-PW-09-040325-Z	320-120578-2	Groundwater	Y	04/03/2025	15:10	FS
CAP2Q25-SMW-10-040325	320-120578-3	Groundwater	N	04/03/2025	11:20	FS
CAP2Q25-OW-28-040325	320-120578-4	Groundwater	N	04/03/2025	15:55	FS
CAP2Q25-OW-28-040325-D	320-120578-5	Groundwater	N	04/03/2025	15:55	DUP
CAP2Q25-PIW-1D-040425	320-120578-6	Groundwater	N	04/04/2025	11:15	FS
CAP2Q25-PIW-3D-040425	320-120578-7	Groundwater	N	04/04/2025	11:40	FS
CAP2Q25-SMW-12-041025	320-120578-8	Groundwater	N	04/10/2025	11:00	FS
CAP2Q25-LTW-02-041025	320-120578-9	Groundwater	N	04/10/2025	15:20	FS
CAP2Q25-EQBLK-DV-040925	320-120626-1	Blank Water	N	04/09/2025	13:40	EB
CAP2Q25-EQBLK-PP-041425	320-120626-2	Blank Water	N	04/14/2025	13:00	EB
CAP2Q25-EQBLK-BA-041425	320-120626-3	Blank Water	N	04/14/2025	13:05	EB
CAP2Q25-PW-04-041125	320-120626-4	Groundwater	N	04/11/2025	09:25	FS
CAP2Q25-PW-07-041425	320-120693-1	Groundwater	N	04/14/2025	10:10	FS
CAP2Q25-OW-33-041525	320-120693-2	Groundwater	N	04/15/2025	13:55	FS
CAP2Q25-PW-06-041525	320-120693-3	Groundwater	N	04/15/2025	15:25	FS
CAP2Q25-SMW-11-041525	320-120693-4	Groundwater	N	04/15/2025	15:50	FS
CAP2Q25-BLADEN-1DR-041725	320-120693-5	Groundwater	N	04/17/2025	13:10	FS
CAP2Q25-BLADEN-1DR-041725-D	320-120693-6	Groundwater	N	04/17/2025	13:10	DUP
CAP2Q25-PIW-7S-041625	320-120726-1	Groundwater	N	04/16/2025	10:50	FS
CAP2Q25-PIW-7D-041625	320-120726-2	Groundwater	N	04/16/2025	12:20	FS
CAP2Q25-LTW-01-041625	320-120726-3	Groundwater	N	04/16/2025	14:40	FS
CAP2Q25-LTW-03-041625	320-120726-4	Groundwater	N	04/16/2025	13:30	FS
CAP2Q25-LTW-04-041625	320-120726-5	Groundwater	N	04/16/2025	12:45	FS
CAP2Q25-LTW-05-041625	320-120726-6	Groundwater	N	04/16/2025	15:45	FS
CAP2Q25-PZ-22-041625	320-120726-7	Groundwater	N	04/16/2025	14:10	FS
CAP2Q25-EQBLK-DV-041725-Z	320-120764-1	Blank Water	N	04/17/2025	13:20	EB

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP GW Sampling 2Q25

Chemours™

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	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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

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

Data Verification Module (DVM)

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

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP GW Sampling 2Q25 **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
CAP2Q25-LTW-02-041025	04/10/2025	320-120578-9	R-PSDA	1.1	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-02-041025	04/10/2025	320-120578-9	Hydrolyzed PSDA	2.5	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-LTW-02-041025	04/10/2025	320-120578-9	R-EVE	0.71	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-1D-040425	04/04/2025	320-120578-6	R-PSDA	0.63	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-1D-040425	04/04/2025	320-120578-6	R-EVE	0.39	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-3D-040425	04/04/2025	320-120578-7	R-PSDA	0.95	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-3D-040425	04/04/2025	320-120578-7	R-EVE	0.43	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-01-041625	04/16/2025	320-120726-3	R-PSDA	0.57	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-01-041625	04/16/2025	320-120726-3	Hydrolyzed PSDA	0.25	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-LTW-01-041625	04/16/2025	320-120726-3	R-EVE	0.27	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-03-041625	04/16/2025	320-120726-4	R-PSDA	0.72	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-03-041625	04/16/2025	320-120726-4	Hydrolyzed PSDA	5.4	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-LTW-03-041625	04/16/2025	320-120726-4	R-EVE	0.30	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-04-041625	04/16/2025	320-120726-5	R-PSDA	0.92	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-04-041625	04/16/2025	320-120726-5	Hydrolyzed PSDA	0.74	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-LTW-04-041625	04/16/2025	320-120726-5	R-EVE	0.75	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-05-041625	04/16/2025	320-120726-6	R-PSDA	0.97	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-LTW-05-041625	04/16/2025	320-120726-6	Hydrolyzed PSDA	1.7	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-LTW-05-041625	04/16/2025	320-120726-6	R-EVE	1.2	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-7D-041625	04/16/2025	320-120726-2	R-PSDA	0.54	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-7D-041625	04/16/2025	320-120726-2	Hydrolyzed PSDA	0.80	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-PIW-7D-041625	04/16/2025	320-120726-2	R-EVE	0.57	UG/L	PQL		0.063	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 2Q25 **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
CAP2Q25-PIW-7S-041625	04/16/2025	320-120726-1	R-PSDA	0.74	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PIW-7S-041625	04/16/2025	320-120726-1	R-EVE	0.77	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PZ-22-041625	04/16/2025	320-120726-7	R-PSDA	0.66	UG/L	PQL		0.063	J	537 Modified		3535
CAP2Q25-PZ-22-041625	04/16/2025	320-120726-7	Hydrolyzed PSDA	2.4	UG/L	PQL		0.16	J	537 Modified		3535
CAP2Q25-PZ-22-041625	04/16/2025	320-120726-7	R-EVE	0.46	UG/L	PQL		0.063	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 2Q25 (rev 2)

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
CAP2Q25-CFR-RM-76-040825	320-120453-1	Surface Water	N	04/08/2025	09:40	FS
CAP2Q25-GBC-1-040825	320-120453-2	Surface Water	N	04/08/2025	13:50	FS
CAP2Q25-LOCK-DAM-NORTH-040825	320-120453-3	Surface Water	N	04/08/2025	13:10	FS
CAP2Q25-LOCK-DAM-SEEP-040825	320-120453-4	Surface Water	N	04/08/2025	12:55	FS
RIVER-WATER-INTAKE-24-040925	320-120453-5	Surface Water	N	04/09/2025	08:36	FS
CAP2Q25-OUTFALL-002-24-040925	320-120453-6	Surface Water	N	04/09/2025	11:50	FS
CAP2Q25-WC-1-24-040925	320-120453-7	Surface Water	N	04/09/2025	08:30	FS
CAP2Q25-OLDOF-2-24-040925	320-120453-8	Surface Water	N	04/09/2025	10:06	FS
CAP2Q25-SEEP-A-24-040925	320-120453-9	Surface Water	N	04/09/2025	12:27	FS
CAP2Q25-SEEP-C-24-040925	320-120453-10	Surface Water	N	04/09/2025	09:36	FS
CAP2Q25-WC-1-24-040325	320-120505-1	Surface Water	N	04/03/2025	07:00	FS
CAP2Q25-WC-2-19-040325	320-120505-2	Surface Water	N	04/03/2025	07:00	FS
CAP2Q25-WC-3-24-040325	320-120505-3	Surface Water	N	04/03/2025	07:00	FS
CAP2Q25-WC-3-24-040325-D	320-120505-4	Surface Water	N	04/03/2025	07:00	DUP
CAP2Q25-CFR-TARHEEL-040925	320-120505-5	Surface Water	N	04/09/2025	09:10	FS
CAP2Q25-CFR-TARHEEL-24-040925	320-120505-6	Surface Water	N	04/09/2025	19:36	FS
CAP2Q25-EQBLK-PP-040925	320-120505-7	Blank Water	N	04/09/2025	13:20	EB
CAP2Q25-EQBLK-IS-040925	320-120505-8	Blank Water	N	04/09/2025	13:25	EB
CAP2Q25-CFR-KINGS-050225	320-121165-1	Surface Water	N	05/02/2025	10:10	FS
CAP2Q25-CFR-BLADEN-042925	320-121165-2	Surface Water	N	04/29/2025	12:00	FS
CAP2Q25-CFR-TARHEEL-042925	320-121165-3	Surface Water	N	04/29/2025	16:15	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 2Q25

Chemours™

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	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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

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- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

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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.

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If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 2Q25 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis results; J-qualifier added to all detects in the data set due to significant chromatographic interference that may lead to overestimating concentrations.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP2Q25-CFR-BLADEN-042925	04/29/2025	320-121165-2	Perfluoropentanoic Acid	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-042925	04/29/2025	320-121165-3	Perfluoropentanoic Acid	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 2Q25 **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
CAP2Q25-CFR-RM-76-040825	04/08/2025	320-120453-1	R-PSDA	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-RM-76-040825	04/08/2025	320-120453-1	R-EVE	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-3-24-040325	04/03/2025	320-120505-3	R-PSDA	0.029	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-3-24-040325	04/03/2025	320-120505-3	R-EVE	0.015	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 2Q25 **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
CAP2Q25-CFR-BLADEN-042925	04/29/2025	320-121165-2	R-PSDA	0.0045	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-BLADEN-042925	04/29/2025	320-121165-2	Hydrolyzed PSDA	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-BLADEN-042925	04/29/2025	320-121165-2	R-EVE	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-KINGS-050225	05/02/2025	320-121165-1	R-PSDA	0.0092	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-KINGS-050225	05/02/2025	320-121165-1	Hydrolyzed PSDA	0.0076	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-KINGS-050225	05/02/2025	320-121165-1	R-EVE	0.023	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-040925	04/09/2025	320-120505-5	R-PSDA	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-040925	04/09/2025	320-120505-5	R-EVE	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-042925	04/29/2025	320-121165-3	R-PSDA	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-042925	04/29/2025	320-121165-3	Hydrolyzed PSDA	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-042925	04/29/2025	320-121165-3	R-EVE	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-24-040925	04/09/2025	320-120505-6	R-PSDA	0.0044	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-24-040925	04/09/2025	320-120505-6	Hydrolyzed PSDA	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-CFR-TARHEEL-24-040925	04/09/2025	320-120505-6	R-EVE	0.0035	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-GBC-1-040825	04/08/2025	320-120453-2	R-PSDA	0.093	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-GBC-1-040825	04/08/2025	320-120453-2	R-EVE	0.050	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-LOCK-DAM-NORTH-040825	04/08/2025	320-120453-3	R-PSDA	0.20	UG/L	PQL		0.0094	J	537 Modified		3535
CAP2Q25-LOCK-DAM-NORTH-040825	04/08/2025	320-120453-3	Hydrolyzed PSDA	0.0065	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-LOCK-DAM-NORTH-040825	04/08/2025	320-120453-3	R-EVE	0.12	UG/L	PQL		0.0094	J	537 Modified		3535
CAP2Q25-LOCK-DAM-SEEP-040825	04/08/2025	320-120453-4	R-PSDA	0.47	UG/L	PQL		0.046	J	537 Modified		3535
CAP2Q25-LOCK-DAM-SEEP-040825	04/08/2025	320-120453-4	Hydrolyzed PSDA	0.32	UG/L	PQL		0.12	J	537 Modified		3535
CAP2Q25-LOCK-DAM-SEEP-040825	04/08/2025	320-120453-4	R-EVE	0.14	UG/L	PQL		0.046	J	537 Modified		3535
CAP2Q25-OLDOF-2-24-040925	04/09/2025	320-120453-8	R-PSDA	0.017	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 2Q25 **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
CAP2Q25-OLDOF-2-24-040925	04/09/2025	320-120453-8	Hydrolyzed PSDA	0.022	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-OLDOF-2-24-040925	04/09/2025	320-120453-8	R-EVE	0.0073	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-OUTFALL-002-24-040925	04/09/2025	320-120453-6	R-PSDA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-OUTFALL-002-24-040925	04/09/2025	320-120453-6	Hydrolyzed PSDA	0.091	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-OUTFALL-002-24-040925	04/09/2025	320-120453-6	R-EVE	0.0083	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-1-24-040325	04/03/2025	320-120505-1	R-PSDA	0.11	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-1-24-040325	04/03/2025	320-120505-1	Hydrolyzed PSDA	0.22	UG/L	PQL		0.0057	J	537 Modified		3535
CAP2Q25-WC-1-24-040325	04/03/2025	320-120505-1	R-EVE	0.052	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-1-24-040925	04/09/2025	320-120453-7	R-PSDA	0.045	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-1-24-040925	04/09/2025	320-120453-7	Hydrolyzed PSDA	0.099	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-1-24-040925	04/09/2025	320-120453-7	R-EVE	0.024	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-2-19-040325	04/03/2025	320-120505-2	R-PSDA	0.11	UG/L	PQL		0.021	J	537 Modified		3535
CAP2Q25-WC-2-19-040325	04/03/2025	320-120505-2	Hydrolyzed PSDA	0.96	UG/L	PQL		0.053	J	537 Modified		3535
CAP2Q25-WC-2-19-040325	04/03/2025	320-120505-2	R-EVE	0.21	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-3-24-040325-D	04/03/2025	320-120505-4	R-PSDA	0.032	UG/L	PQL		0.0020	J	537 Modified		3535
CAP2Q25-WC-3-24-040325-D	04/03/2025	320-120505-4	R-EVE	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
RIVER-WATER-INTAKE-24-040925	04/09/2025	320-120453-5	R-PSDA	0.0064	UG/L	PQL		0.0020	J	537 Modified		3535
RIVER-WATER-INTAKE-24-040925	04/09/2025	320-120453-5	Hydrolyzed PSDA	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535
RIVER-WATER-INTAKE-24-040925	04/09/2025	320-120453-5	R-EVE	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 2Q25 (revision 3)

Project Reviewer: Michael Aucoin, Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-040325	320-120452-2	Surface Water	N	04/03/2025	23:01	FS
CFR-TARHEEL-EQBLK-IS-040425	320-120452-3	Blank Water	N	04/04/2025	09:35	EB
CFR-TARHEEL-24-040725	320-120583-1	Surface Water	N	04/07/2025	23:01	FS
CFR-TARHEEL-24-040725-D	320-120583-2	Surface Water	N	04/07/2025	23:01	DUP
CFR-TARHEEL-24-041025	320-120583-3	Surface Water	N	04/10/2025	23:01	FS
CFR-TARHEEL-24-041425	320-120765-1	Surface Water	N	04/14/2025	23:01	FS
CFR-TARHEEL-24-041725	320-120765-2	Surface Water	N	04/17/2025	23:01	FS
CFR-TARHEEL-24-042125	320-120987-1	Surface Water	N	04/21/2025	23:01	FS
CFR-TARHEEL-24-042425	320-120987-2	Surface Water	N	04/24/2025	23:01	FS
CFR-TARHEEL-24-042825	320-121167-1	Surface Water	N	04/28/2025	23:01	FS
CFR-TARHEEL-24-050125	320-121167-2	Surface Water	N	05/01/2025	23:01	FS
CFR-TARHEEL-24-050525	320-121475-1	Surface Water	N	05/05/2025	23:01	FS
CFR-TARHEEL-24-050825	320-121475-2	Surface Water	N	05/08/2025	23:01	FS
CFR-TARHEEL-24-051225	320-121836-1	Surface Water	N	05/12/2025	23:01	FS
CFR-TARHEEL-24-051225-D	320-121836-2	Surface Water	N	05/12/2025	23:01	DUP
CFR-TARHEEL-24-051325	320-121836-3	Surface Water	N	05/13/2025	23:01	FS
CFR-TARHEEL-051625	320-121836-4	Surface Water	N	05/16/2025	11:30	FS
CFR-TARHEEL-052025	320-121990-1	Surface Water	N	05/20/2025	10:55	FS
CFR-TARHEEL-16-052325	320-121990-2	Surface Water	N	05/23/2025	23:01	FS
CFR-TARHEEL-24-052825	320-122111-1	Surface Water	N	05/28/2025	23:01	FS
CFR-TARHEEL-24-052925	320-122111-2	Surface Water	N	05/29/2025	23:01	FS
CFR-TARHEEL-24-060325	320-122266-1	Surface Water	N	06/03/2025	23:01	FS
CFR-TARHEEL-24-060525	320-122266-2	Surface Water	N	06/05/2025	23:01	FS
CFR-TARHEEL-24-061125	320-122557-1	Surface Water	N	06/11/2025	23:01	FS

CFR-TARHEEL-24-061225	320-122557-2	Surface Water	N	06/12/2025	23:01	FS
CFR-TARHEEL-24-061625	320-122894-1	Surface Water	N	06/16/2025	23:01	FS
CFR-TARHEEL-24-061825	320-122894-2	Surface Water	N	06/18/2025	23:01	FS
CFR-TARHEEL-24-061825-D	320-122894-3	Surface Water	N	06/18/2025	23:01	DUP
CFR-TARHEEL-24-061925	320-122894-4	Surface Water	N	06/19/2025	23:01	FS
CFR-TARHEEL-24-062325	320-123037-1	Surface Water	N	06/23/2025	23:01	FS
CFR-TARHEEL-24-062625	320-123037-2	Surface Water	N	06/26/2025	23:01	FS
CFR-TARHEEL-24-063025	320-123374-1	Surface Water	N	06/30/2025	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	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	2025 Tarheel Sampling

Chemours™

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	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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

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

Data Verification Module (DVM)

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

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** 2025 Tarheel Sampling **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis results; J-qualifier added to all detects in the data set due to significant chromatographic interference that may lead to overestimating concentrations.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-050125	05/01/2025	320-121167-2	PEPA	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** 2025 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-052025	05/20/2025	320-121990-1	Hydrolyzed PSDA	0.0031	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725	04/07/2025	320-120583-1	R-PSDA	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725	04/07/2025	320-120583-1	Hydrolyzed PSDA	0.0044	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725	04/07/2025	320-120583-1	R-EVE	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042125	04/21/2025	320-120987-1	R-PSDA	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042125	04/21/2025	320-120987-1	Hydrolyzed PSDA	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042125	04/21/2025	320-120987-1	R-EVE	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-051225	05/12/2025	320-121836-1	R-PSDA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-051225	05/12/2025	320-121836-1	Hydrolyzed PSDA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052825	05/28/2025	320-122111-1	R-PSDA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052825	05/28/2025	320-122111-1	Hydrolyzed PSDA	0.0080	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052825	05/28/2025	320-122111-1	R-EVE	0.0054	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052825	05/28/2025	320-122111-1	PFO3OA	0.0023	ug/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** 2025 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-16-052325	05/23/2025	320-121990-2	R-PSDA	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-16-052325	05/23/2025	320-121990-2	Hydrolyzed PSDA	0.0095	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-16-052325	05/23/2025	320-121990-2	R-EVE	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040325	04/03/2025	320-120452-2	R-PSDA	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040325	04/03/2025	320-120452-2	Hydrolyzed PSDA	0.0039	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725-D	04/07/2025	320-120583-2	R-PSDA	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725-D	04/07/2025	320-120583-2	Hydrolyzed PSDA	0.0044	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-040725-D	04/07/2025	320-120583-2	R-EVE	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042425	04/24/2025	320-120987-2	R-PSDA	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042425	04/24/2025	320-120987-2	Hydrolyzed PSDA	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042425	04/24/2025	320-120987-2	R-EVE	0.0045	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042825	04/28/2025	320-121167-1	R-PSDA	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042825	04/28/2025	320-121167-1	Hydrolyzed PSDA	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-042825	04/28/2025	320-121167-1	R-EVE	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-050125	05/01/2025	320-121167-2	R-PSDA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-050125	05/01/2025	320-121167-2	Hydrolyzed PSDA	0.0061	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-050125	05/01/2025	320-121167-2	R-EVE	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** 2025 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-24-050525	05/05/2025	320-121475-1	R-PSDA	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-050525	05/05/2025	320-121475-1	Hydrolyzed PSDA	0.0089	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-050525	05/05/2025	320-121475-1	R-EVE	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-051225-D	05/12/2025	320-121836-2	R-PSDA	0.0035	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-051225-D	05/12/2025	320-121836-2	Hydrolyzed PSDA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-051325	05/13/2025	320-121836-3	R-PSDA	0.0033	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052925	05/29/2025	320-122111-2	R-PSDA	0.0033	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-052925	05/29/2025	320-122111-2	Hydrolyzed PSDA	0.0023	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061125	06/11/2025	320-122557-1	R-PSDA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061125	06/11/2025	320-122557-1	Hydrolyzed PSDA	0.0097	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061125	06/11/2025	320-122557-1	R-EVE	0.012	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061225	06/12/2025	320-122557-2	R-PSDA	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061225	06/12/2025	320-122557-2	Hydrolyzed PSDA	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061625	06/16/2025	320-122894-1	R-PSDA	0.0035	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-061625	06/16/2025	320-122894-1	Hydrolyzed PSDA	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062325	06/23/2025	320-123037-1	R-PSDA	0.0048	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062325	06/23/2025	320-123037-1	Hydrolyzed PSDA	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062325	06/23/2025	320-123037-1	R-EVE	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062625	06/26/2025	320-123037-2	R-PSDA	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062625	06/26/2025	320-123037-2	Hydrolyzed PSDA	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-062625	06/26/2025	320-123037-2	R-EVE	0.0038	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-063025	06/30/2025	320-123374-1	Hydrolyzed PSDA	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535
CFR-TARHEEL-24-063025	06/30/2025	320-123374-1	R-EVE	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535