APPENDIX A

Sampling Results

APPENDIX A

SAMPLING RESULTS

This appendix presents results from the Q2 2021 sampling events described in Section 2 of the main report. Specifically, this section describes the analytical results associated with the the Cape Fear River PFAS Mass Load and the Cape Fear River PFAS Mass Loading Model sampling programs, including the data quality review process.

For monthly sampling events in Q2 2021, samples were analyzed for PFAS by Table 3+ Laboratory SOP. Samples collected during the first month of Q1 and Q2 2021 (i.e., January 2021 and April 2021) were also analyzed for 13 additional perfluoroalkyl carboxylic acid (PFCAs) as discussed in the Paragraph 18 response memo (Geosyntec, 2021c).

The focus of this appendix is on the set of PFAS originating from manufacturing activities at the Site; therefore, analytical results are discussed with respect to the PFAS groupings presented in Table 1 of the main report: (i) Attachment C, (ii) Table 3+ (17 compounds), and (iii) Table 3+ (20 compounds).

Data Quality

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

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

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

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

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

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

Table 3+ 17 Compounds

For clarity, the text and figures of this report describe the Total Table 3+ (17 compounds) while Total Table 3+ (20 compounds) are included in the tables.

As reported in the *Matrix Interference During Analysis of Table 3+ Compounds* memorandum (Geosyntec, 2020a), matrix interference studies conducted by the analytical laboratory (TestAmerica, Sacramento) have shown that the quantitation of three compounds (R-PSDA, Hydrolyzed PSDA, and R-EVE) is inaccurate due to interferences by the sample matrix in both groundwater and surface water. Given the matrix interference issues, Total Table 3+ PFAS concentrations are calculated and presented two ways in this report: (i) summing over 17 of the 20 Table 3+ compounds "Total Table 3+ (17 compounds)", i.e., excluding results of R-PSDA, Hydrolyzed PSDA, and R-EVE, and (ii) summing over 20 of the Table 3+ compounds "Total Table 3+ (20 compounds)". Expressing these data as a range represents possible values of what these results might be without matrix interferences. In other words, the sum of all 17 compounds is an underestimate of the actual value while the sum of the 20 compounds is likely an overestimate of the actual value.

Cape Fear River PFAS Mass Load Sampling Results

For this Q2 2021 report, the Cape Fear River Mass Load reporting period was from April 1 to June 30, 2021. During this period, twenty-seven (27) primary composite samples and four (4) grab samples were collected at location CFR-TARHEEL, with the last sample being collected on July 1, 2021.

Cape Fear River Mass Load QA/QC Samples

Three duplicate sample (CFR-TARHEEL-24-033121-D) was collected during Q2 2021 on April 28, May 10, and June 7, 2021. Equipment blanks are only performed at CFR-TARHEEL when maintenance activities (e.g. line changes) are performed on the composite sampler system. Since there were no scheduled maintenance activities at CFR-TARHEEL in Q2 2021, there were no

other QA/QC samples collected for this reporting period. PFAS results for the April primary (CFR-TARHEEL-24-042821) and duplicate (CFR-TARHEEL-24-042821-D) samples had relative percent differences less than 30% for the reported compounds, except for PFO3OA, which was 4.6 ng/L in the parent sample and <2.0 ng/L in the duplicate. PFAS results for the May primary (CFR-TARHEEL-24-051021) and duplicate (CFR-TARHEEL-24-051021-D) samples had relative percent differences less than 30% for the reported compounds. PFAS results for the June primary (CFR-TARHEEL-24-051021) and duplicate (CFR-TARHEEL-24-051021-D) samples had relative percent differences less than 30% for the reported compounds except for R-PSDA, which was 15 ng/L in the parent sample and <2.0 ng/L in the duplicate. PFAS results for the primary (CFR-TARHEEL-24-042821, CFR-TARHEEL-24-051021, CFR-TARHEEL-24-060721) and duplicate samples (CFR-TARHEEL-24-042821-D, CFR-TARHEEL-24-051021-D, CFR-TARHEEL-24-060721-D) had relative percent differences less than 30% for the reported compounds; except PFO3OA (April primary/duplicate samples) and R-PSDA (June primary/duplicate samples), which were J-qualified.

Cape Fear River Mass Load PFAS Analytical Results

Analytical sample results used to estimate Cape Fear River mass loads are reported in Table A1. In Q2 2021, Total Table 3+ concentrations ranged from 50 ng/L (CAP0621-CFR-TARHEEL-061521) to 290 ng/L (CFR-TARHEEL-24-060321). This range in concentrations is within the observed range in previous quarterly sampling events.

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

PFAS Mass Loading Model Sampling Seep and Surface Water Results

For this Q2 2021 report, sampling of seep, surface water, and Cape Fear River locations occurred in April 2021 (April 20 – 23), May 2021 (May 24 – 28) and June 2021 (June 15 – 17). During these three monthly events, forty-nine (47) samples, three (3) duplicate samples, and four (4) equipment blanks were collected.

During the reporting period between April 1, 2021, and June 30, 2021, high river stages were not recorded (<10 feet throughout). More specifically, USGS rain gauge 02105500 indicated approximately 0, 0, and 0.06 inches of precipitation during the April, May, and June 2021 sample collection events, respectively.

Seep and Surface Water QA/QC Samples

Table 3+ PFAS concentrations for surface water QA/QC samples are reported in Table A2-1. Four (4) equipment blanks were collected and PFMOAA was detected above the reporting limit in one (CAP0421-EQBLK-IS-042121), while PMPA was above the reporting limit in another (CAP0521-EQBLK-IS-052621). Three field duplicates were collected at the Outfall 002 location on April 21, 2021, the Outfall 002 location on May 26, 2021 and the Intake River Water at Facility

location on June 16, 2021. PFAS results for the primary (CAP0421-OUTFALL-002-24-042121, CAP0521-OUTFALL-002-24-052621, RIVER-WATER-INTAKE2-24-061621) and duplicate samples (CAP0421-OUTFALL-002-24-042121D, OUTFALL-002-24-052621-D, RIVER-WATER-INTAKE2-24-061621D) had relative percent differences less than 30% for the reported compounds; except R-EVE (April Outfall 002 primary/duplicate samples), PMPA (May Outfall 002 primary/duplicate samples), PFO3OA (May Outfall 002 primary/duplicate samples), and PFMOAA (Intake River Water at Facility primary/duplicate samples), which were J-qualified.

Seeps and Surface Flow Gauging

A summary of flow rates measured for the three monthly seep and surface water events in Q2 2021 are presented in Table A3. Surface water flow gauging locations for the Q2 2021 events are shown on Figures 4A, 4B, 4C and 5 and listed in Table 2 of the main report. Details on estimated flow measurements along with measurement methods at each flow gauging location are included in Appendix B.

Seeps and Surface Water Field Parameters

Field parameters recorded for surface water samples collected during the Q2 2021 events are presented in Table A4 and the field forms are provided in Appendix C. Recorded field parameter data are generally consistent with expectations.

Seep and Surface Water PFAS Analytical Results

Analytical results for the seep, surface, and river water samples are summarized in Table A2-1 (Table 3+) and A2-2 (PFCAs; includes January 2021 results). Figures A1-1 through A1-3, and A2 show the Total Table 3+ concentrations reported for samples collected in Q2 2021 and Figure A3 presents the HFPO-DA concentrations for Cape Fear River samples, respectively. Laboratory and DVM reports are included in Appendix D.

In general, Total Table 3+ concentrations were lowest at Intake at the Facility, Outfall 002 and in the near-site/downstream river samples, while the highest concentrations were observed at the seeps (Figures A1-1 through A1-3, and A2; Table A2). Among the river samples (Figure 5), Total Table 3+ concentrations ranged 2.5 ng/L (at CFR-MILE-76 in April 2021) to 200 ng/L (downstream sample at CFR-BLADEN in May 2021). Among the creeks, the Total Table 3+ concentration ranges were similar at Georgia Branch Creek (1,800 to 2,300 ng/L) than at Willis Creek (2,000 to 2,900 ng/L) for the samples collected in Q2 2021. Among the seeps and Old Outfall 002, Old Outfall 002 generally had the lowest Total Table 3+ concentrations (ranging from 6,900 to 16,000 ng/L in Q2 2021) while Seep B had the highest Total Table 3+ concentration of 260,000 ng/L (at SEEP-B-IMP in May 2021).

Figure A3 shows the HFPO-DA concentrations in the four near-site/downstream river sampling locations. HFPO-DA concentrations were well below 140 ng/L ranging from <2 ng/L (near-site at CFR-MILE-76 in April and June 2021) to 25 ng/L (downstream sample at CFR-TARHEEL in April 2021).

Additional River Samples Upstream PFAS Analytical Results

Additional river sampling at upstream locations along the Cape Fear River (CFR-MILE-54) and mouths of the Haw River (HAW-RIVER-END) and Deep River (DEEP-RIVER-END) was performed in May 2021 as shown in Figure A4. The analytical results of these samples are presented in Figures A2, A3, and Table A2. Concentrations of Total Table 3+ PFAS were low in these upstream river water samples and ranged from 16 ng/L (DEEP-RIVER-END) to 26 ng/L (CFR-MILE-54). HFPO-DA concentrations measured at these three upstream locations were all non-detectable above associated laboratory reporting limits.

PFAS Mass Loading Model Sampling Groundwater Results

Three synoptic water level surveys of the onsite groundwater monitoring well network were completed in Q2 2021 (April 8, May 3 and June 7). Field parameters and groundwater samples were collected from 18 of the 20 CO Paragraph 16 in April, May and June of 2021 (Table 3). This list of groundwater wells is derived from the Corrective Action Plan (CAP) (Geosyntec, 2019a) with the exception of wells INSITU-02 and BLADEN-1S, which were removed as these wells have been dry. The two wells that could not be sampled in Q2 2021 were Bladen-1D which was damaged and PW-11 which was being pumped as part of the interim groundwater remediation activities.

Groundwater QA/QC Samples

Table 3+ PFAS concentrations for groundwater QA/QC samples are reported in Table A5-1. The following observations were noted for the QA/QC samples:

- Six equipment blank samples were collected over the three sampling events. No PFAS were detected above the associated reporting limits in all of the equipment blank samples with the exception of CAP0521-EQBLK-DV-052121. PMPA was detected at a concentration of 19 ng/L and perfluoroheptanoic acid was detected at 2.0 ng/L in CAP0521-EQBLK-DV-052121, which did not result in any B-qualifiers.
- Three field duplicate sample were collected at LTW-05 (April 2021), PW-06 (May 2021), and SMW-10 (June 2021). PFAS results for the primary (CAP0421-LTW-05-042721, CAP0521-PW-06-051021, CAP0621-SMW-10-060421) and duplicate samples (CAP0421-LTW-05-042721-D, CAP0521-PW-06-051021-D, CAP0621-SMW-10-060421-D) had relative percent differences less than 30% for the reported compounds; except PEPA (LTW-05 primary/duplicate samples), PEPA and PFMOAA (PW-06 primary/duplicate samples), and PMPA (SMW-10 primary/duplicate samples), which were J-qualified.

Water Levels

Groundwater elevations were calculated for onsite and offsite wells screened in the Perched Zone, Surficial Aquifer and Black Creek Aquifer from three synoptic water level measurement surveys performed in April, May and June 2021 (Table A6. Groundwater elevations from these synoptic

water levels were used to develop potentiometric maps for the Perched Zone, Surficial Aquifer and Black Creek Aquifer (Figures A5-1 to A7-3).

Similar to Perched Zone groundwater elevations discussed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021a; Geosyntec, 2021b), groundwater elevations were highest in the central portion of the Perched Zone near the Power and Monomers IXM areas of the Site (Figure A5-1, A6-1 and A7-1). Perched Zone groundwater elevations appear to be controlled by topography and the lateral extent of the clay lens.

Groundwater elevations in Surficial Aquifer wells (Figure A5-2, A6-2 and A7-2) indicate groundwater flow in the northern portion of the Site is likely to be east-northeast towards both Willis Creek and Cape Fear River, and at the southern end of the Site towards Old Outfall 002, consistent with the flow observed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021a; Geosyntec, 2021b). In the southern portion of the Site, the Surficial Aquifer groundwater discharges to the Old Outfall 002 and to Seep B.

Groundwater in the Black Creek Aquifer flows in a predominantly easterly direction to the Cape Fear River (Figure A5-3, A6-3 and A7-3) similar to groundwater elevations discussed in previous assessments (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021a; Geosyntec, 2021b). A portion of Black Creek Aquifer groundwater flow is interpreted to also flow to the northeast, towards Willis Creek (near SMW-12) and southeast, towards Old Outfall (east of PW-11 or Glengerry Road). The contours interpolated from the measured groundwater elevations were used to estimate hydraulic gradients in the Black Creek Aquifer. The hydraulic gradients were used as an input into the Mass Loading Model to estimate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass loading to the Cape Fear River. The details of the calculations can be found in Appendix E.

Groundwater Field Parameters

Field parameters recorded for groundwater samples collected during the Q2 2021 events are presented in Table A7 and the field forms are provided in Appendix C. Recorded field parameter data are generally in line with expectations for the sample locations.

Groundwater PFAS Analytical Results

Individual PFAS and Total PFAS concentrations for the groundwater samples collected in Q2 2021 are summarized in Tables A5-1 (Table 3+), Table A5-2 (PFCAs; includes January 2021 results), and Figure A7. Laboratory and DVM reports are included in Appendix D. Total Table 3+ concentrations ranged from non-detectable above associated reporting limits (PW-09; April, May, and June 2021 samples) to 290,000 ng/L (LTW-05; April 2021 sample) with the highest concentrations observed in the LTW wells near the mouths of the seeps adjacent to the river (Figure A7).

In general, the largest proportion of Total Table 3+ concentrations are comprised of HFPO-DA, PFMOAA, PFO2HxA and perfluoro-2-methoxypropionic acid (PMPA) (Table A5-1). On an aquifer basis, lower individual and Total Table 3+ concentrations are observed in wells screened in the Surficial Aquifer. Concentrations of Total Table 3+ in Floodplain Deposits and Black Creek Aquifer groundwater (Figure A7) were similar to the seep concentrations (Figures A1-1 to A1-3). Overall, results from the Q2 2021 monitoring are consistent with trends observed at these wells in previous monitoring events (Geosyntec, 2019b; Geosyntec, 2020b; Geosyntec, 2020c; Geosyntec, 2020d; Geosyntec, 2021).

The results from the Q2 2021 groundwater monitoring event were used to calculate the contribution of onsite groundwater in the Black Creek Aquifer to the PFAS mass discharge to the Cape Fear River. The details of the calculations can be found in Appendix E.

References

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

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

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

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

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

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

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

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

Geosyntec, 2021c. Responses to NCDEQ Comments on Consent Order Paragraph 18 On and Offsite Assessment Report. June 11, 2021.

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-033120	CFR-TARHEEL-83-033120-D	CAP1Q20-CFR-TARHEEL-040220	CFR-TARHEEL-48-040220
Sample Date	3/31/2020	3/31/2020	4/2/2020	4/2/2020
Sample Type	Composite	Composite	Grab	Composite
Sample Start Date and Time	3/28/20 1:00 AM	3/28/20 1:00 AM	-	3/31/20 1:00 PM
Sample Stop Date and Time	3/31/20 12:00 PM	3/31/20 12:00 PM	-	4/2/20 1:00 PM
Composite Duration (hours)	83	83	-	48
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-60098-1	320-60098-1	320-60029-1	320-60098-1
Lab Sample ID	320-60098-1	320-60098-2	320-60029-3	320-60098-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<15	**6.3**	**11**	**10**
PFMOAA	**26**	**29**	**35**	**42**
PFO2HxA	**9.3**	**8.9**	**15**	**14**
PFO3OA	**2.1**	<2	**3.9**	**3.3**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**15**	**12**	**24**	**17**
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	**8.5**	**7.9**
Hydrolyzed PSDA	**8.2 J**	**8.4 J**	**26**	**14 J**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	**2.3**	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**2.1 J**	<2	**6.6**	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**16 J**	**13 J**	**12**	**12**
Total Attachment C[1]	**52**	**56**	**89**	**86**
Total Table 3+ (17 compounds)[2]	**52**	**56**	**91**	**86**
Total Table 3+ (20 compounds)	**63**	**65**	**130**	**110**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP1Q20-CFR-TARHEEL-24-040320	CFR-TARHEEL-83-040620	CFR-TARHEEL-79-040920	CFR-TARHEEL-83-041920
Sample Date	4/3/2020	4/6/2020	4/9/2020	4/19/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/2/20 3:00 PM	4/2/20 1:30 PM	4/5/20 11:32 PM	4/15/20 2:30 PM
Sample Stop Date and Time	4/3/20 3:00 PM	4/6/20 12:30 AM	4/9/20 6:30 AM	4/19/20 1:30 AM
Composite Duration (hours)	24	83	79	83
QA/QC				
Sample Delivery Group (SDG)	320-60032-1	320-60098-1	320-60195-1	320-60435-1
Lab Sample ID	320-60032-2	320-60098-4	320-60195-1	320-60435-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**18**	**17**	**20**	**5.5**
PFMOAA	**47**	**56**	**94**	**28**
PFO2HxA	**21**	**22**	**33**	**11**
PFO3OA	**4.8**	**5.5**	**8.1**	**2.6**
PFO4DA	<2	<2	**2.8**	<2
PFO5DA	<2	<2	**4.9**	**6.9**
PMPA	**31**	**24**	**31**	**17**
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**14 J**	**11**	**13**	<2
Hydrolyzed PSDA	**17 B**	**20 J**	**31**	**9.6**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	**2.1**	**5**	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**2.8 J**	<2	**3.4**	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**11**	**8.5**	--	--
Total Attachment C[1]	**120**	**120**	**190**	**71**
Total Table 3+ (17 compounds)[2]	**120**	**130**	**200**	**71**
Total Table 3+ (20 compounds)	**160**	**160**	**250**	**81**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q1 2020	Q1 2020	Q1 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-042220	CFR-TARHEEL-83-042620	CFR-TARHEEL-83-042920	CFR-TARHEEL-62-050220
Sample Date	4/22/2020	4/26/2020	4/29/2020	5/2/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/19/20 2:30 AM	4/22/20 1:49 PM	4/26/20 12:49 AM	4/30/20 9:49 AM
Sample Stop Date and Time	4/22/20 1:30 PM	4/26/20 12:49 AM	4/29/20 11:49 AM	5/2/20 11:49 PM
Composite Duration (hours)	83	83	83	62
QA/QC				
Sample Delivery Group (SDG)	320-60435-1	320-60619-1	320-60619-1	320-60763-1
Lab Sample ID	320-60435-2	320-60619-1	320-60619-2	320-60763-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12**	**11**	**13**	**12**
PFMOAA	**51**	**53**	**59**	**27**
PFO2HxA	**19**	**19**	**24**	**16**
PFO3OA	**5.1**	**4.8**	**5.8**	**3.5**
PFO4DA	<2	<2	<2	<2
PFO5DA	**5.5**	<2	<2	<2
PMPA	**25**	**21**	**23**	**24**
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	**7.5**	**13**	**20**
Hydrolyzed PSDA	**17**	**23**	**27**	**18**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	**2.8**	**3.9**	**3.3**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	**2.4**	**6**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**120**	**110**	**120**	**83**
Total Table 3+ (17 compounds)[2]	**120**	**110**	**130**	**86**
Total Table 3+ (20 compounds)	**130**	**140**	**170**	**130**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-050620	CFR-TARHEEL-83-051120	CFR-TARHEEL-83-051320	CAP2Q20-CFR-TARHEEL-051420
Sample Date	5/6/2020	5/11/2020	5/13/2020	5/14/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	5/3/20 12:49 AM	5/6/20 12:49 PM	5/9/20 11:49 PM	-
Sample Stop Date and Time	5/6/20 11:49 AM	5/9/20 11:49 PM	5/13/20 9:49 AM	-
Composite Duration (hours)	83	83	83	-
QA/QC				
Sample Delivery Group (SDG)	320-60763-1	320-60789-1	410-2522-1	320-60921-1
Lab Sample ID	320-60763-2	320-60789-1	410-2522-1	320-60921-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**6.2**	**9.4**	**13 J**	**24**
PFMOAA	**18**	**34**	**69**	**75**
PFO2HxA	**9.8**	**14**	**27**	**34**
PFO3OA	**2.1**	**3.8**	**6.7**	**8.9**
PFO4DA	<2	<2	**2 J**	**2.4**
PFO5DA	<2	<2	<2	<2
PMPA	**15**	**18**	**22**	**49**
PEPA	<20	<20	<20	<20
PS Acid	<2	<2	<2 UJ	<2
Hydro-PS Acid	<2	<2	<2 UJ	<2
R-PSDA	**11**	**13**	**12 J**	**33**
Hydrolyzed PSDA	**12**	**15**	**34 J**	**30**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	**2.3**	**2.9**	**4.6**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	**2.7**	**5.2 J**	**5.6**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	**9.8**
Total Attachment C[1]	**51**	**79**	**140**	**190**
Total Table 3+ (17 compounds)[2]	**51**	**82**	**140**	**200**
Total Table 3+ (20 compounds)	**74**	**110**	**190**	**270**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP2Q20-TARHEEL-24-051420	CFR-TARHEEL-83-051620	CFR-TARHEEL-83-052020	CFR-TARHEEL-052520
Sample Date	5/14/2020	5/16/2020	5/20/2020	5/25/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	5/13/20 9:50 PM	5/13/20 9:49 AM	5/16/20 9:49 PM	-
Sample Stop Date and Time	5/14/20 8:50 PM	5/16/20 7:49 PM	5/20/20 8:49 AM	-
Composite Duration (hours)	24	83	83	-
QA/QC				
Sample Delivery Group (SDG)	410-2521-1	410-2522-1	410-2522-1	320-61296-1
Lab Sample ID	410-2521-4	410-2522-2	410-2522-3	320-61296-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**23**	**19 J**	**25**	**2**
PFMOAA	**88**	**94**	**120**	<5
PFO2HxA	**33**	**37**	**45**	**2.2**
PFO3OA	**8.6**	**8.2**	**10**	<2
PFO4DA	**2.5 J**	**2.5 J**	**3**	<2
PFO5DA	<2	<2	<2	<2
PMPA	**28**	**27**	**32**	<10
PEPA	<20	<20	**20**	<20
PS Acid	<2 UJ	<2 UJ	**2.2 J**	<2
Hydro-PS Acid	<2 UJ	<2 UJ	<2 UJ	<2
R-PSDA	**16 J**	**15 J**	**15 J**	<2
Hydrolyzed PSDA	**46 J**	**47 J**	**54 J**	**3.4**
R-PSDCA	<2	<2	<2	<2
NVHOS	**4.8**	**4.4**	**3.8**	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**4.9 J**	**6.3 J**	**8.1 J**	**2**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**6.7**	--	--	--
Total Attachment C[1]	**180**	**190**	**260**	**4.2**
Total Table 3+ (17 compounds)[2]	**190**	**190**	**260**	**4.2**
Total Table 3+ (20 compounds)	**250**	**260**	**340**	**9.6**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-052920	CFR-TARHEEL-060120	CFR-TARHEEL-060120-D	CFR-TARHEEL-060520
Sample Date	5/29/2020	6/1/2020	6/1/2020	6/5/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-61296-1	320-61452-1	320-61452-1	320-61570-1
Lab Sample ID	320-61296-1	320-61452-1	320-61452-2	320-61570-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**4.5**	<2	**2**	**4.6**
PFMOAA	<5	**6.1**	**5.3**	**9**
PFO2HxA	**6.5**	**3.1**	**3.2**	**6.5**
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<13	<13	**27**
PEPA	<20	<2	<2	<2
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	**2.6**	<2	<2
Hydrolyzed PSDA	<2	**2.9**	**2.6**	**5.5**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**11**	**9.2**	**11**	**47**
Total Table 3+ (17 compounds)[2]	**11**	**9.2**	**11**	**47**
Total Table 3+ (20 compounds)	**11**	**15**	**13**	**53**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-39-060820	CFR-TARHEEL-83-061220	CFR-TARHEEL-83-061520	CFR-TARHEEL-83-061920
Sample Date	6/8/2020	6/12/2020	6/15/2020	6/19/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/5/20 11:06 AM	6/8/20 10:06 PM	6/12/20 9:06 AM	6/15/20 8:06 PM
Sample Stop Date and Time	6/8/20 9:06 PM	6/12/20 8:06 AM	6/15/20 7:06 PM	6/19/20 6:06 AM
Composite Duration (hours)	39	83	83	83
QA/QC				
Sample Delivery Group (SDG)	320-61852-1	320-61852-1	320-62010-1	320-62010-1
Lab Sample ID	320-61852-1	320-61852-2	320-62010-1	320-62010-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**6.5**	**10**	**15**	**16**
PFMOAA	**9.8**	**17 J**	**14**	**11**
PFO2HxA	**8.3**	**13**	**13**	**18**
PFO3OA	<2	**3.4**	**3**	**3.8**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**17**	**25**	**27**	**36**
PEPA	<2	**3.2**	**3.2**	**5.4**
PS Acid	**3.4**	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**5.9**	**8.5 J**	**4.7**	**5.1**
Hydrolyzed PSDA	**7.2**	**9.1 J**	**8**	**7.2**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	**3.8 J**	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**45**	**72**	**75**	**90**
Total Table 3+ (17 compounds)[2]	**45**	**72**	**75**	**90**
Total Table 3+ (20 compounds)	**58**	**93**	**88**	**100**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q2 2020	Q2 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-83-062220	CFR-TARHEEL-83-062620	CFR-TARHEEL-83-062920	CFR-TARHEEL-65-070220
Sample Date	6/22/2020	6/26/2020	6/29/2020	7/2/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/19/20 7:06 AM	6/22/20 6:06 PM	6/26/20 5:06 AM	6/29/20 4:06 PM
Sample Stop Date and Time	6/22/20 5:06 PM	6/26/20 4:06 AM	6/29/20 3:06 PM	7/2/20 8:06 AM
Composite Duration (hours)	83	83	83	65
QA/QC				
Sample Delivery Group (SDG)	320-62127-1	320-62407-1	320-62407-1	320-62407-1
Lab Sample ID	320-62127-1	320-62407-1	320-62407-2	320-62407-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**5.8**	**9.9**	**15**	**19**
PFMOAA	**4.9**	**30**	**49**	<2
PFO2HxA	**8**	**13**	**18**	**25**
PFO3OA	<2	**2.8**	**4**	**5.5**
PFO4DA	<2	<2	<2	**2.5 J**
PFO5DA	<2	<2	<2	<2
PMPA	**21**	**20**	**26**	**27**
PEPA	<2	**3.2**	**4.5**	**5.2**
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**5.6**	**11**	**15**	**4.2**
Hydrolyzed PSDA	**4.1**	**12**	**17**	**12**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	**2.5**	**3.1**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	**3.5**	**4.9**	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**40**	**79**	**120**	**84**
Total Table 3+ (17 compounds)[2]	**40**	**79**	**120**	**87**
Total Table 3+ (20 compounds)	**49**	**110**	**160**	**100**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-070320	CFR-TARHEEL-24-070720	CFR-TARHEEL-24-071020	CFR-TARHEEL-24-071020-D
Sample Date	7/3/2020	7/7/2020	7/10/2020	7/10/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/2/20 8:29 AM	7/6/20 8:29 AM	7/9/20 12:01 PM	7/9/20 12:01 PM
Sample Stop Date and Time	7/3/20 7:29 AM	7/7/20 7:29 AM	7/10/20 11:01 AM	7/10/20 11:01 AM
Composite Duration (hours)	24	24	24	24
QA/QC				Field Duplicate
Sample Delivery Group (SDG)	320-62486-1	320-62486-1	320-62645-1	320-62645-1
Lab Sample ID	320-62486-2	320-62486-1	320-62645-1	320-62645-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**19**	**19**	**15**	**15**
PFMOAA	**60**	**97**	**77**	**78**
PFO2HxA	**26**	**31**	**25**	**28**
PFO3OA	**5.6**	**6.7**	**5.2**	**5.9**
PFO4DA	**2**	**3**	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**39**	**30**	**26**	**27**
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**22**	**23**	**12**	**12**
Hydrolyzed PSDA	**28**	**34**	**32**	**34**
R-PSDCA	<2	<2	<2	<2
NVHOS	**3.3**	**4.5**	**3.4**	**3**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**6.1**	**5.9**	**4.3**	**5.8**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**150**	**190**	**150**	**150**
Total Table 3+ (17 compounds)[2]	**150**	**190**	**150**	**160**
Total Table 3+ (20 compounds)	**210**	**250**	**200**	**210**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-071320	CFR-TARHEEL-24-071620	CFR-TARHEEL-24-072020	CFR-TARHEEL-24-072320
Sample Date	7/13/2020	7/16/2020	7/20/2020	7/23/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	7/13/20 12:01 AM	7/16/20 12:01 AM	7/20/20 12:01 AM	7/23/20 12:01 AM
Sample Stop Date and Time	7/13/20 11:01 PM	7/16/20 11:01 PM	7/20/20 11:01 PM	7/23/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-62689-1	320-62879-1	320-63057-1	320-63287-1
Lab Sample ID	320-62689-1	320-62879-1	320-63057-1	320-63287-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**16**	**20**	**26**	**20**
PFMOAA	**60**	**76**	**100**	**67**
PFO2HxA	**28**	**31**	**29**	**29**
PFO3OA	**6.9**	**6.5**	**9.4**	**6.6**
PFO4DA	**2.8**	**2.4**	**4.8**	**2.6**
PFO5DA	<2	<2	**2.7**	**2**
PMPA	**27**	**29**	<20	**24**
PEPA	<10	<10	<10	<10
PS Acid	**2.3**	<2	**2.7**	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**22**	**13**	<2	**17**
Hydrolyzed PSDA	**32**	**24**	<2	**29**
R-PSDCA	<2	<2	<2	<2
NVHOS	**3.3**	**3.5**	**3.4**	**4.4**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**6**	**3.9**	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	--	--	--
Total Attachment C[1]	**140**	**160**	**170**	**150**
Total Table 3+ (17 compounds)[2]	**150**	**170**	**180**	**160**
Total Table 3+ (20 compounds)	**210**	**210**	**180**	**200**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-12-072720	CAP3Q20-CFR-TARHEEL-072820	CAP3Q20-CFR-TARHEEL-24-072920	CFR-TARHEEL-24-073020
Sample Date	7/27/2020	7/28/2020	7/29/2020	7/30/2020
Sample Type	Composite	Grab	Composite	Composite
Sample Start Date and Time	7/27/20 12:01 AM	-	7/29/20 12:01 AM	7/30/20 12:01 AM
Sample Stop Date and Time	7/27/20 11:01 AM	-	7/29/20 11:01 PM	7/30/20 11:01 PM
Composite Duration (hours)	12	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63287-1	320-63225-2	320-63304-2	320-63442-1
Lab Sample ID	320-63287-2	320-63225-1	320-63304-1	320-63442-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**14**	**14 J**	**14**	**11**
PFMOAA	**41**	**39**	**54**	**41**
PFO2HxA	**19**	**19**	**21**	**18**
PFO3OA	**3.9**	**4.4**	**5.2**	**5**
PFO4DA	<2	<2	<2	**2.7**
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**12**	<2	<2	<2
Hydrolyzed PSDA	**14**	<2	**20**	**18**
R-PSDCA	<2	<2	<2	<2
NVHOS	**3.5**	**2.9**	**2.8**	**3.4**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	--	**3.7**	**3.1**	**3.2**
Total Attachment C[1]	**78**	**76**	**94**	**78**
Total Table 3+ (17 compounds)[2]	**81**	**79**	**97**	**81**
Total Table 3+ (20 compounds)	**110**	**79**	**120**	**99**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-080320	CFR-TARHEEL-080420	CFR-TARHEEL-24-080620	CFR-TARHEEL-24-081020
Sample Date	8/3/2020	8/4/2020	8/6/2020	8/10/2020
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	8/5/20 11:55 PM	8/9/20 10:38 PM
Sample Stop Date and Time	-	-	8/6/20 10:55 PM	8/10/20 9:56 PM
Composite Duration (hours)	-	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63442-1	320-63442-1	320-63737-1	320-63737-1
Lab Sample ID	320-63442-2	320-63442-3	320-63737-1	320-63737-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**15**	**44**	**4.8**	**7.8**
PFMOAA	**48**	**47**	**8.1**	<2
PFO2HxA	**23**	**37**	**8.1**	**20**
PFO3OA	**5.4**	**10**	<2	**6**
PFO4DA	**2.3**	**4.3**	<2	**2.2**
PFO5DA	<2	<2	<2	<2
PMPA	**21**	**45**	<20	<20
PEPA	<10	**12**	<10	<10
PS Acid	<2	**4.6**	<2	<2
Hydro-PS Acid	<2	**2.9**	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	**21**	**32**	**2.5**	<2
R-PSDCA	<2	<2	<2	<2
NVHOS	**2.7**	**2.4**	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.8**	**4.9**	**2.6**	**4.6**
Total Attachment C[1]	**110**	**210**	**21**	**36**
Total Table 3+ (17 compounds)[2]	**120**	**210**	**21**	**36**
Total Table 3+ (20 compounds)	**140**	**240**	**24**	**36**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-081220	CFR-TARHEEL-24-081720	CFR-TARHEEL-24-082020	CFR-TARHEEL-24-082520
Sample Date	8/12/2020	8/17/2020	8/20/2020	8/25/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	8/12/20 12:01 AM	8/17/20 12:01 AM	8/20/20 12:01 AM	8/25/20 12:01 AM
Sample Stop Date and Time	8/12/20 11:01 PM	8/17/20 11:01 PM	8/20/20 11:01 PM	8/25/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-63779-1	320-64174-1	320-64174-1	320-64174-1
Lab Sample ID	320-63779-1	320-64174-5	320-64174-6	320-64174-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**5.8**	**3.4**	**6.2**	**7.1**
PFMOAA	**27**	**15**	**26**	**33**
PFO2HxA	**11**	**6.2**	**12**	**15**
PFO3OA	**2.1**	<2	**2.3**	**3**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**7.4**	**3.8**	**6.1**	<2
Hydrolyzed PSDA	**15**	**6.4**	**11**	<2
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**3.9**	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**3.8**	**2.5**	**2.8**	**3.5**
Total Attachment C[1]	**46**	**25**	**47**	**58**
Total Table 3+ (17 compounds)[2]	**46**	**25**	**47**	**58**
Total Table 3+ (20 compounds)	**72**	**35**	**64**	**58**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-082720	CFR-TARHEEL-082720-D	CFR-TARHEEL-083120	CFR-TARHEEL-24-090320
Sample Date	8/27/2020	8/27/2020	8/31/2020	9/3/2020
Sample Type	Grab	Grab	Grab	Composite
Sample Start Date and Time	-	-	-	9/3/20 12:01 AM
Sample Stop Date and Time	-	-	-	9/3/20 11:01 PM
Composite Duration (hours)	-	-	-	24
QA/QC		Field Duplicate		
Sample Delivery Group (SDG)	320-64174-1	320-64174-1	320-64174-1	320-64517-1
Lab Sample ID	320-64174-2	320-64174-3	320-64174-4	320-64517-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12**	**12**	**18**	**7.8**
PFMOAA	**63**	**64**	**100**	**21**
PFO2HxA	**24**	**24**	**35**	**12**
PFO3OA	**5.3**	**5.6**	**7.8**	**3.4**
PFO4DA	**2**	<2	**2.8**	<2
PFO5DA	<2	<2	<2	<2
PMPA	**23**	**23**	**31**	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	**2.7**	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2 UJ	**8 J**	**11**	**3.4**
Hydrolyzed PSDA	**22**	**23**	**38**	**8.6**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	**2.7**	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	**2.9**	**4.7**	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**3.7**	**4**	**5.6**	**2.5**
Total Attachment C[1]	**130**	**130**	**200**	**44**
Total Table 3+ (17 compounds)[2]	**130**	**130**	**200**	**44**
Total Table 3+ (20 compounds)	**150**	**160**	**250**	**56**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-090720	CFR-TARHEEL-24-091020	CFR-TARHEEL-24-091420	CFR-TARHEEL-24-091720
Sample Date	9/7/2020	9/10/2020	9/14/2020	9/17/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/7/20 12:01 AM	9/10/20 12:01 AM	9/14/20 12:01 AM	9/17/20 12:01 AM
Sample Stop Date and Time	9/7/20 11:01 PM	9/10/20 11:01 PM	9/14/20 11:01 PM	9/17/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-64517-1	320-64776-1	320-64776-1	320-64846-1
Lab Sample ID	320-64517-2	320-64776-1	320-64776-2	320-64846-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12**	**26**	**18**	**25**
PFMOAA	**26**	**55**	**36**	<2
PFO2HxA	**17**	**31**	**25**	**32**
PFO3OA	**4.2**	**7.3**	**5.3**	**7.2**
PFO4DA	<2	**2.1**	<2	**2.7**
PFO5DA	<2	<2	<2	<2
PMPA	<20	**30**	<20	**33**
PEPA	<10	<10	<10	<10
PS Acid	<2	**3.7**	<2	**2**
Hydro-PS Acid	<2	<2	<2	**2.8**
R-PSDA	<2	**14**	**4.2**	**9.7**
Hydrolyzed PSDA	**15**	**41**	**24**	**29**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	**3**	**4**	**5.8**
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	**6.3**	<2	**3.2**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**2.3**	**5.5**	**4.8**	**5**
Total Attachment C[1]	**59**	**160**	**84**	**100**
Total Table 3+ (17 compounds)[2]	**59**	**160**	**88**	**110**
Total Table 3+ (20 compounds)	**74**	**220**	**120**	**150**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-11-091820	CFR-TARHEEL-24-092120	CFR-TARHEEL-24-092420	CFR-TARHEEL-24-092420-2
Sample Date	9/18/2020	9/21/2020	9/24/2020	9/24/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/18/20 12:01 AM	9/21/20 12:01 AM	9/24/20 12:01 AM	9/24/20 12:01 AM
Sample Stop Date and Time	9/18/20 10:01 AM	9/21/20 11:01 PM	9/24/20 11:01 PM	9/24/20 11:01 PM
Composite Duration (hours)	11	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-64920-1	320-65132-1	320-65132-1	320-65132-1
Lab Sample ID	320-64920-1	320-65132-1	320-65132-2	320-65132-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**42**	**7.3**	**11**	**11**
PFMOAA	<2	**7.9**	**14**	**14**
PFO2HxA	**39**	**8.7**	**9.8**	**9.8**
PFO3OA	**9**	<2	**2.9**	**2.9**
PFO4DA	**4.2**	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**46**	**34**	**31**	**31**
PEPA	**11**	<10	<10	<10
PS Acid	**8.3**	<2	<2	<2
Hydro-PS Acid	**4.3**	<2	<2	<2
R-PSDA	**52**	<2	<2	<2
Hydrolyzed PSDA	**47**	**9.4**	**11**	**11**
R-PSDCA	<2	<2	<2	<2
NVHOS	**5.7**	<2	<2	<2
EVE Acid	**2.4**	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**7.5**	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.3**	**4.1 J**	**5.6 J**	**5.6 J**
Total Attachment C[1]	**160**	**58**	**69**	**69**
Total Table 3+ (17 compounds)[2]	**170**	**58**	**69**	**69**
Total Table 3+ (20 compounds)	**280**	**67**	**80**	**80**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q3 2020	Q3 2020	Q3 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-092520	CFR-TARHEEL-24-092620	CFR-TARHEEL-24-092820	CFR-TARHEEL-24-092920
Sample Date	9/25/2020	9/26/2020	9/28/2020	9/29/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/25/20 12:01 AM	9/26/20 12:01 AM	9/28/20 12:01 AM	9/29/20 12:01 AM
Sample Stop Date and Time	9/25/20 11:01 PM	9/26/20 11:01 PM	9/28/20 11:01 PM	9/29/20 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-65132-1	320-65132-1	320-65188-1	320-65521-1
Lab Sample ID	320-65132-3	320-65132-4	320-65188-1	320-65521-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**11**	**12**	**6.1**	**5.3**
PFMOAA	**12**	**8.8**	**6.3**	**4.1**
PFO2HxA	**12**	**13**	**6.2**	**6.8**
PFO3OA	**2.9**	**2.6**	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**32**	**34**	**32**	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	**14**	**13**	**7.1**	**5.4**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**5.7 J**	**5.1 J**	**3.4 J**	**3.9**
Total Attachment C[1]	**70**	**70**	**51**	**16**
Total Table 3+ (17 compounds)[2]	**70**	**70**	**51**	**16**
Total Table 3+ (20 compounds)	**84**	**83**	**58**	**22**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q3 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-093020	CFR-TARHEEL-18-100120	CFR-TARHEEL-9-100620	CFR-TARHEEL-24-100820
Sample Date	9/30/2020	10/1/2020	10/6/2020	10/8/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	9/30/20 12:01 AM	10/1/2020 0:01	10/6/20 14:30	10/7/2020 17:30
Sample Stop Date and Time	9/30/20 11:01 PM	10/1/2020 17:01	10/6/20 23:30	10/8/2020 16:30
Composite Duration (hours)	24	18	9	24
QA/QC				
Sample Delivery Group (SDG)	320-65283-1	320-65521-1	320-65521-1	320-65521-1
Lab Sample ID	320-65283-1	320-65521-2	320-65521-3	320-65521-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**11**	**5.3**	**8.1**	**13**
PFMOAA	**23**	**2.9**	**3.9**	**7.4**
PFO2HxA	**12**	**6.6**	**9.9**	**15**
PFO3OA	**2.5**	<2	**2.1**	**3.6**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**25**	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**7.4**	<2	<2	<2
Hydrolyzed PSDA	**12**	<2	**5.1**	**7.6**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**2.9**	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.9**	**5.5**	**5.4**	**5.5**
Total Attachment C[1]	**74**	**15**	**24**	**39**
Total Table 3+ (17 compounds)[2]	**74**	**15**	**24**	**39**
Total Table 3+ (20 compounds)	**96**	**15**	**29**	**47**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-101220	CFR-TARHEEL-24-101520	CFR-TARHEEL-24-101920	CFR-TARHEEL-24-102220
Sample Date	10/12/2020	10/15/2020	10/19/2020	10/22/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/12/2020 0:01	10/15/2020 0:01	10/19/2020 0:01	10/22/2020 0:01
Sample Stop Date and Time	10/12/2020 23:01	10/15/2020 23:01	10/19/2020 23:01	10/22/2020 23:01
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-65571-1	320-65803-1	320-65803-1	320-66072-1
Lab Sample ID	320-65571-1	320-65803-1	320-65803-2	320-66072-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**23**	**4.5**	**6**	**7.2**
PFMOAA	**54**	**15**	**18**	**7**
PFO2HxA	**30**	**6.9**	**7.6**	**8.3**
PFO3OA	**13**	<2	<2	<2
PFO4DA	**7.9**	<2	<2	<2
PFO5DA	**3.5**	<2	<2	<2
PMPA	**33**	<20	<20	**28**
PEPA	<10	<10	<10	<10
PS Acid	**2.2**	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**20**	**3.4**	**4.1**	<2
Hydrolyzed PSDA	**21**	**5**	**6.2**	<2
R-PSDCA	<2	<2	<2	<2
NVHOS	**3.1**	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**4.7**	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4**	**3.8**	**5.5**	**5.1**
Total Attachment C[1]	**170**	**26**	**32**	**51**
Total Table 3+ (17 compounds)[2]	**170**	**26**	**32**	**51**
Total Table 3+ (20 compounds)	**220**	**35**	**42**	**51**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-12-103020	CFR-TARHEEL-24-103120	CFR-TARHEEL-24-110220	CFR-TARHEEL-24-110520
Sample Date	10/30/2020	10/31/2020	11/2/2020	11/5/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	10/30/2020 12:01	10/31/2020 0:01	11/2/2020 0:01	11/5/20 0:01
Sample Stop Date and Time	10/30/20 23:01	10/31/20 23:01	11/2/2020 23:01	11/5/20 23:01
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-66384-1	320-66384-1	320-66384-1	320-66511-1
Lab Sample ID	320-66384-1	320-66384-2	320-66384-3	320-66511-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**11**	**8.8**	7	**5.9**
PFMOAA	**29**	**27**	**15**	**22**
PFO2HxA	**13**	**11**	**8.5**	**9.3**
PFO3OA	**3.1**	**2.5**	<2	**2.2**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	**21**	**20**	**26**
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**11 J**	**9.1 J**	<2	<2
Hydrolyzed PSDA	**8.5**	**6.1**	**3.9**	**5.2**
R-PSDCA	<2	<2	<2	<2
NVHOS	**3.5**	**3.8**	**3.3**	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**2.8 J**	**2.2 J**	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.5**	**4.9**	**6**	**4.9**
Total Attachment C[1]	**56**	**70**	**51**	**65**
Total Table 3+ (17 compounds)[2]	**60**	**74**	**54**	**65**
Total Table 3+ (20 compounds)	**82**	**92**	**58**	**71**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-110920	CFR-TARHEEL-24-111120	CFR-TARHEEL-20-111220	CFR-TARHEEL-111320
Sample Date	11/9/2020	11/11/2020	11/12/2020	11/13/2020
Sample Type	Composite	Composite	Composite	Grab
Sample Start Date and Time	11/9/2020 0:01	11/11/2020 0:01	11/12/2020 0:01	--
Sample Stop Date and Time	11/9/2020 23:01	11/11/2020 23:01	11/12/2020 19:01	--
Composite Duration (hours)	24	24	20	--
QA/QC				
Sample Delivery Group (SDG)	320-66794-1	320-66794-1	320-66794-1	320-67088-1
Lab Sample ID	320-66794-1	320-66794-2	320-66794-3	320-67088-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12 J**	**14**	**46**	**2.8**
PFMOAA	**35 J**	**38**	**48**	<2
PFO2HxA	**17 J**	**18**	**45**	**3.3**
PFO3OA	**3.9 J**	**3.6**	**11**	<2
PFO4DA	<2 UJ	<2	**7.3**	<2
PFO5DA	<2 UJ	<2	**5.3**	<2
PMPA	**22 J**	<20	**52**	<20
PEPA	<10 UJ	<10	**16**	<10
PS Acid	<2 UJ	<2	**2.6**	<2
Hydro-PS Acid	<2 UJ	<2	**2.9**	<2
R-PSDA	**16 J**	**16**	**39**	<2
Hydrolyzed PSDA	**14 J**	**15**	**21**	<2
R-PSDCA	<2 UJ	<2	<2	<2
NVHOS	**2.8 J**	**3.8**	**3.3**	<2
EVE Acid	<2 UJ	<2	**2.1**	<2
Hydro-EVE Acid	<2 UJ	<2	<2	<2
R-EVE	**3.4 J**	**3.9**	**11**	<2
PES	<2 UJ	<2	<2	<2
PFECA B	<2 UJ	<2	<2	<2
PFECA-G	<2 UJ	<2	<2	<2
Perfluoroheptanoic Acid	**4.2 J**	**3.8**	**3.6**	**3.1**
Total Attachment C[1]	**90**	**74**	**240**	**6.1**
Total Table 3+ (17 compounds)[2]	**93**	**77**	**240**	**6.1**
Total Table 3+ (20 compounds)	**130**	**110**	**310**	**6.1**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL[3]
Field Sample ID	CFR-TARHEEL-111820	CFR-TARHEEL-112020	CFR-TARHEEL-24-112420	CFR-TARHEEL-24-112420
Sample Date	11/18/2020	11/20/2020	11/24/2020	11/24/2020
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	--	--	11/24/2020 0:01	11/24/2020 0:01
Sample Stop Date and Time	--	--	11/24/2020 23:01	11/24/2020 23:01
Composite Duration (hours)	--	--	24	24
QA/QC				
Sample Delivery Group (SDG)	320-67088-1	320-67088-1	320-67335-1	320-67335-2
Lab Sample ID	320-67088-2	320-67088-3	320-67335-1	320-67335-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**6**	**6.1**	<2	**7.2 J**
PFMOAA	**8.1**	**10**	<2	**18 J**
PFO2HxA	**7.7**	**7.5**	**2.3**	**6.1 J**
PFO3OA	<2	<2	<2	<2 UJ
PFO4DA	<2	<2	<2	<2 UJ
PFO5DA	<2	<2	<2	<2 UJ
PMPA	<20	<20	<20	<20 UJ
PEPA	<10	<10	<10	<10 UJ
PS Acid	<2	<2	<2	<2 UJ
Hydro-PS Acid	<2	<2	<2	<2 UJ
R-PSDA	**6.2**	**7.1**	<2	**3.3 J**
Hydrolyzed PSDA	**2.5**	**4.9**	<2	**3.5 J**
R-PSDCA	<2	<2	<2	<2 UJ
NVHOS	<2	<2	<2	<2 UJ
EVE Acid	<2	<2	<2	<2 UJ
Hydro-EVE Acid	<2	<2	<2	<2 UJ
R-EVE	<2	<2	<2	<2 UJ
PES	<2	<2	<2	<2 UJ
PFECA B	<2	<2	<2	<2 UJ
PFECA-G	<2	<2	<2	<2 UJ
Perfluoroheptanoic Acid	**2.6**	**3.3**	<2	**4.5 J**
Total Attachment C[1]	**22**	**24**	**2.3**	**31**
Total Table 3+ (17 compounds)[2]	**22**	**24**	**2.3**	**31**
Total Table 3+ (20 compounds)	**31**	**36**	**2.3**	**38**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL[3]	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-112620	CFR-TARHEEL-24-112620	CFR-TARHEEL-24-113020	CFR-TARHEEL-24-120320
Sample Date	11/26/2020	11/26/2020	11/30/2020	12/3/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	11/26/2020 0:01	11/26/2020 0:01	11/30/2020 0:01	12/3/2020 0:01
Sample Stop Date and Time	11/26/2020 23:01	11/26/2020 23:01	11/30/2020 23:01	12/3/2020 23:01
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-67335-1	320-67335-2	320-67618-1	320-67618-1
Lab Sample ID	320-67335-2	320-67335-2	320-67618-1	320-67618-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**100**	**7.8 J**	**18**	**4.4**
PFMOAA	**23 J**	**21 J**	**32**	**9.5**
PFO2HxA	**100**	**7.4 J**	**14**	**4.4**
PFO3OA	**14**	<2 UJ	**3.2**	<2
PFO4DA	**13**	<2 UJ	<2	<2
PFO5DA	<2	<2 UJ	<2	<2
PMPA	**92**	<20 UJ	**27**	**28**
PEPA	**27**	<10 UJ	<10	<10
PS Acid	<2	<2 UJ	<2	<2
Hydro-PS Acid	**8**	<2 UJ	<2	<2
R-PSDA	**5.5**	**4.1 J**	**8.4**	**3.9**
Hydrolyzed PSDA	<2	**4.3 J**	**9.6**	**3.1**
R-PSDCA	<2	<2 UJ	<2	<2
NVHOS	<2	<2 UJ	<2	<2
EVE Acid	<2	<2 UJ	<2	<2
Hydro-EVE Acid	<2	<2 UJ	<2	<2
R-EVE	**3**	<2 UJ	**3.2**	<2
PES	<2	<2 UJ	<2	<2
PFECA B	<2	<2 UJ	<2	<2
PFECA-G	<2	<2 UJ	<2	<2
Perfluoroheptanoic Acid	**2.9**	**5.7 J**	**4.8**	**4**
Total Attachment C[1]	**380**	**36**	**94**	**46**
Total Table 3+ (17 compounds)[2]	**380**	**36**	**94**	**46**
Total Table 3+ (20 compounds)	**390**	**45**	**120**	**53**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-120720	CFR-TARHEEL-24-121020	CFR-TARHEEL-24-121320	CFR-TARHEEL-12-121420
Sample Date	12/7/2020	12/10/2020	12/13/2020	12/14/2020
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	12/7/2020 0:01	12/10/2020 0:01	12/13/20 0:01	12/14/2020 0:59
Sample Stop Date and Time	12/7/2020 23:01	12/10/2020 23:01	12/13/20 23:01	12/14/2020 11:59
Composite Duration (hours)	24	24	24	12
QA/QC				
Sample Delivery Group (SDG)	320-67847-1	320-67870-1	320-68141-1	320-68141-1
Lab Sample ID	320-67847-1	320-67870-1	320-68141-1	320-68141-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**5.5**	**5.7**	**9**	**9.4**
PFMOAA	**13**	**18**	**25**	**27**
PFO2HxA	**6**	**5.7**	**9.2**	**9.9**
PFO3OA	<2	<2	<2	**2.1**
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**6.3**	<2	**7.4 J**	**7.4 J**
Hydrolyzed PSDA	**5.9**	<2	**6.9**	**7.4**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	**2.9**	<2	**2.3**	**2.4**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**4.3**	**3.7**	**5.3**	**4.1**
Total Attachment C[1]	**25**	**29**	**43**	**48**
Total Table 3+ (17 compounds)[2]	**25**	**29**	**43**	**48**
Total Table 3+ (20 compounds)	**40**	**29**	**60**	**66**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP1220-CFR-TARHEEL-121520	CAP1220-TARHEEL-121620	CFR-TARHEEL-121720	CFR-TARHEEL-122120
Sample Date	12/15/2020	12/16/2020	12/17/2020	12/21/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	--	--	--	--
Sample Stop Date and Time	--	--	--	--
Composite Duration (hours)	--	--	--	--
QA/QC				
Sample Delivery Group (SDG)	320-68082-1	320-68080-1	320-68141-1	320-68261-1
Lab Sample ID	320-68082-4	320-68080-1	320-68141-3	320-68261-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**7.6**	**11**	**3.2**	**3.9**
PFMOAA	**14**	**20**	**6.9**	**9.9**
PFO2HxA	**8.6**	**9.7**	**3.1**	**3.7**
PFO3OA	<2	**2.6**	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	**25**	**27**	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	**13**	<2	**4.3 J**	**3.3 J**
Hydrolyzed PSDA	**8.6 J**	**9.2**	**2.2**	**3.1**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	**4.1**	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**3.9**	**4.3**	**4.5**	**3.9**
Total Attachment C[1]	**55**	**70**	**13**	**18**
Total Table 3+ (17 compounds)[2]	**55**	**74**	**13**	**18**
Total Table 3+ (20 compounds)	**77**	**84**	**20**	**24**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q4 2020	Q4 2020	Q4 2020	Q4 2020
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-122320	CFR-TARHEEL-122420	CFR-TARHEEL-122820	CFR-TARHEEL-123020
Sample Date	12/23/2020	12/24/2020	12/28/2020	12/30/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	--	--	--	--
Sample Stop Date and Time	--	--	--	--
Composite Duration (hours)	--	--	--	--
QA/QC				
Sample Delivery Group (SDG)	320-68338-1	320-68338-1	320-68338-1	320-68393-1
Lab Sample ID	320-68338-1	320-68338-2	320-68338-3	320-68393-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**3.5**	**12**	**3**	**4.4**
PFMOAA	<2	**17**	<2	**12**
PFO2HxA	**3.6**	**9**	**2.5**	**4.8**
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	<2	<2
PFO5DA	<2	<2	<2	<2
PMPA	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	**13 J**	<2	**5.6**
Hydrolyzed PSDA	**3.2 J**	**11 J**	**2 J**	**4.3**
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	**2.8**
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	**3.4**	**3.8**	**3.4**	**3.5**
Total Attachment C[1]	**7.1**	**38**	**5.5**	**21**
Total Table 3+ (17 compounds)[2]	**7.1**	**38**	**5.5**	**21**
Total Table 3+ (20 compounds)	**10**	**62**	**7.5**	**34**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-010621	CFR-TARHEEL-010721	CFR-TARHEEL-011121	CFR-TARHEEL-011421
Sample Date	1/6/2021	1/7/2021	1/11/2021	1/14/2021
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC				
Sample Delivery Group (SDG)	320-68684-1	320-68684-1	320-68930-1	320-68930-1
Lab Sample ID	320-68684-1	320-68684-2	320-68930-1	320-68930-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**2.8**	**3.3**	**5.7**	**9.3**
PFMOAA	**3.0**	<2.0	**13**	**21**
PFO2HxA	**3.5**	**3.7**	**5.7**	**10**
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	<20	<20	<20	<20
PEPA	<10	<10	<10	<10
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**3.9**	**4.6**
Hydrolyzed PSDA	<2.0	<2.0 UJ	**2.8**	**4.2**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0
Total Attachment C[1]	**9.3**	**7.0**	**24**	**42**
Total Table 3+ (17 compounds)[2]	**9.3**	**7.0**	**24**	**42**
Total Table 3+ (20 compounds)	**9.3**	**7.0**	**31**	**51**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-012121	CFR-TARHEEL-24-012221	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721
Sample Date	1/21/2021	1/22/2021	1/26/2021	1/27/2021
Sample Type	Composite	Composite	Grab	Composite
Sample Start Date and Time	1/21/21 12:01 AM	1/22/21 12:01 AM	-	1/26/21 4:10 PM
Sample Stop Date and Time	1/21/21 11:01 PM	1/22/21 11:01 PM	-	1/27/21 3:10 PM
Composite Duration (hours)	24	24	-	24
QA/QC				
Sample Delivery Group (SDG)	320-69493-1	320-69493-1	320-69424-1	320-69495-2
Lab Sample ID	320-69493-1	320-69493-2	320-69424-4	320-69495-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**9.4**	**10**	**17**	**11**
PFMOAA	**21**	**23**	**36**	**23**
PFO2HxA	**8.4**	**8.4**	**13**	**12**
PFO3OA	<2.0	<2.0	**3.2**	**2**
PFO4DA	<2.0	<2.0	<2	<2
PFO5DA	<2.0	<2.0	<2	<2
PMPA	**14**	**14**	**20**	**19**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	**2.1**	<2
Hydro-PS Acid	<2.0	<2.0	<2	<2
R-PSDA	**5.6**	**6.5**	**20**	**9.6**
Hydrolyzed PSDA	**7.2**	**7.9**	**9.6**	**7.8**
R-PSDCA	<2.0	<2.0	<2	<2
NVHOS	<2.0	<2.0	**3**	<2
EVE Acid	<2.0	<2.0	<2	<2
Hydro-EVE Acid	<2.0	<2.0	<2	<2
R-EVE	<2.0	<2.0	**4.3**	**3.2**
PES	<2.0	<2.0	<2	<2
PFECA B	<2.0	<2.0	<2	<2
PFECA-G	<2.0	<2.0	<2	<2
Perfluoroheptanoic Acid	**2.3**	**2.4**	**2.2**	**3.1**
Total Attachment C[1]	**53**	**55**	**91**	**67**
Total Table 3+ (17 compounds)[2]	**53**	**55**	**94**	**67**
Total Table 3+ (20 compounds)	**66**	**70**	**130**	**88**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-012721	CFR-TARHEEL-24-012821	CFR-TARHEEL-020121	CFR-TARHEEL-020421
Sample Date	1/27/2021	1/28/2021	2/1/2021	2/4/2021
Sample Type	Composite	Composite	Grab	Grab
Sample Start Date and Time	1/26/21 4:10 PM	1/28/21 12:01 AM	-	-
Sample Stop Date and Time	1/27/21 3:10 PM	1/28/21 11:01 PM	-	-
Composite Duration (hours)	24	24	-	-
QA/QC				
Sample Delivery Group (SDG)	320-69606-1	320-69606-1	320-69862-1	320-69862-1
Lab Sample ID	320-69606-1	320-69606-2	320-69862-1	320-69862-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**9.1**	**7.4**	**5.5**	**4.5**
PFMOAA	**23**	**16**	**8.6**	<2.0
PFO2HxA	**9.2**	**7.0**	**4.8**	**4.6**
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**17**	**14**	**13**	**10**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	**6.8**	**5.9**	<2.0	<2.0
Hydrolyzed PSDA	**6.2**	**4.8**	**2.8**	**4.4**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	**2.7**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.3**	**2.5**	**3.0**	**2.4**
Total Attachment C[1]	**58**	**44**	**32**	**19**
Total Table 3+ (17 compounds)[2]	**58**	**44**	**32**	**19**
Total Table 3+ (20 compounds)	**74**	**55**	**35**	**24**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-020821	CFR-TARHEEL-38-021221	CFR-TARHEEL-021621	CFR-TARHEEL-021921
Sample Date	2/8/2021	2/12/2021	2/16/2021	2/19/2021
Sample Type	Grab	Composite	Grab	Grab
Sample Start Date and Time	-	2/11/21 12:01 AM	-	-
Sample Stop Date and Time	-	2/12/21 2:01 PM	-	-
Composite Duration (hours)	-	38	-	-
QA/QC				
Sample Delivery Group (SDG)	320-70504-1	320-70504-1	320-70504-1	320-70504-1
Lab Sample ID	320-70504-2	320-70504-1	320-70504-3	320-70504-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2.0	**10**	**4.1**	**8.4**
PFMOAA	<2.0	**24**	<2.0	**8.9**
PFO2HxA	<2.0 UJ	**8.2 J**	**3.2**	**4.4**
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**20**	**15**	**16**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	**5.1**	<2.0	**4.8**
Hydrolyzed PSDA	<2.0	**6.0**	<2.0	**3.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.0**	**3.5**	**2.6**	<2.0
Total Attachment C[1]	**0.0**	**62**	**22**	**38**
Total Table 3+ (17 compounds)[2]	**0.0**	**62**	**22**	**38**
Total Table 3+ (20 compounds)	**0.0**	**73**	**22**	**46**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[4]	CFR-TARHEEL	CFR-TARHEEL[4]
Field Sample ID	CFR-TARHEEL-022221	CFR-TARHEEL-022221	CAP0221-CFR-TARHEEL-022421	CAP0221-CFR-TARHEEL-022421
Sample Date	2/22/2021	2/22/2021	2/24/2021	2/24/2021
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC				
Sample Delivery Group (SDG)	320-70653-1	320-70653-2	320-70619-1	320-70619-2
Lab Sample ID	320-70653-1	320-70653-1	320-70619-2	320-70619-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**7.3**	**5.7 J**	**12**	**4.3 J**
PFMOAA	**6.6**	**6.4 J**	**20**	**8.7 J**
PFO2HxA	**5.2**	**7.0 J**	**7**	**5 J**
PFO3OA	<2.0	**2.2 J**	<2	<2 UJ
PFO4DA	<2.0	<2.0 UJ	**2.7 J**	<2 UJ
PFO5DA	<2.0	<2.0 UJ	<2	<2 UJ
PMPA	**14**	**12 J**	<10	**8.4 J**
PEPA	<20	**2.4 J**	<20	<2 UJ
PS Acid	<2.0	<2.0 UJ	<2	<2 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	**2.9**	<2 UJ
R-PSDA	**3.6**	**7.1 J**	**3.4**	**4.7 J**
Hydrolyzed PSDA	**2.8**	**3.2 J**	**2.6**	**2.4 J**
R-PSDCA	<2.0	<3.0 UJ	<2	<3 UJ
NVHOS	<2.0	<3.0 UJ	<2	<3 UJ
EVE Acid	<2.0	<2.0 UJ	<2	<2 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	**4**	<2 UJ
R-EVE	<2.0	**2.1 J**	<2	<2 UJ
PES	<2.0	<2.0 UJ	<2	<2 UJ
PFECA B	<2.0	<2.0 UJ	<2	<2 UJ
PFECA-G	<2.0	<2.0 UJ	<2	<2 UJ
Perfluoroheptanoic Acid	**2.8**	<2.0 UJ	**2.1**	<2 UJ
Total Attachment C[1]	**33**	**36**	**45**	**26**
Total Table 3+ (17 compounds)[2]	**33**	**36**	**49**	**26**
Total Table 3+ (20 compounds)	**40**	**48**	**55**	**34**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[4]	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-022521	CFR-TARHEEL-022521	CFR-TARHEEL-24-030521	CFR-TARHEEL-24-030621
Sample Date	2/25/2021	2/25/2021	3/5/2021	3/6/2021
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	3/5/21 12:01 AM	3/6/21 12:01 AM
Sample Stop Date and Time	-	-	3/5/21 11:01 PM	3/6/21 11:01 PM
Composite Duration (hours)	-	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-70653-1	320-70653-2	320-71137-1	320-71137-1
Lab Sample ID	320-70653-2	320-70653-2	320-71137-1	320-71137-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**5.5**	**5.5 J**	**4.5**	**28**
PFMOAA	**7.4**	**10 J**	**12**	**11**
PFO2HxA	**5.5**	**5.7 J**	**5.2**	**4.7**
PFO3OA	<2.0	<2.0 UJ	<2.0	<2.0
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	**12**	**9.1 J**	<10	<10
PEPA	<20	<2.0 UJ	<20	<20
PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	**2.9**	**5.9 J**	**7.2**	**6.3**
Hydrolyzed PSDA	**2.3**	**2.8 J**	**4.8**	**3.9**
R-PSDCA	<2.0	<3.0 UJ	<2.0	<2.0
NVHOS	<2.0	<3.0 UJ	<2.0	<2.0
EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	<2.0	**2.2 J**	<2.0	<2.0
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	**3.3**	<2.0 UJ	**3.4**	**4.0**
Total Attachment C[1]	**30**	**30**	**22**	**44**
Total Table 3+ (17 compounds)[2]	**30**	**30**	**22**	**44**
Total Table 3+ (20 compounds)	**36**	**36**	**34**	**54**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-030821	CFR-TARHEEL-24-031121	CFR-TARHEEL-24-031521	CFR-TARHEEL-24-031821
Sample Date	3/8/2021	3/11/2021	3/15/2021	3/18/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/8/21 12:01 AM	3/11/21 12:01 AM	3/15/21 12:01 AM	3/18/21 12:01 AM
Sample Stop Date and Time	3/8/21 11:01 PM	3/11/21 11:01 PM	3/16/21 12:01 AM	3/18/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-71410-1	320-71410-1	320-71660-1	320-71660-1
Lab Sample ID	320-71410-1	320-71410-2	320-71660-1	320-71660-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**5.8**	**8.0**	**7.4**	**5.0**
PFMOAA	**12**	**20**	**19**	**13**
PFO2HxA	**4.5**	**7.2**	**6.7**	**5.2**
PFO3OA	<2.0	<2.0	<2.0	<2.0
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	<10	**14**	**12**	**11**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	**3.8**	**4.5**	**4.1**	**3.8**
Hydrolyzed PSDA	**2.3**	**4.2**	**3.7**	**2.9**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	<2.0	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.9**	**3.6**	**4.3**	**3.8**
Total Attachment C[1]	**22**	**49**	**45**	**34**
Total Table 3+ (17 compounds)[2]	**22**	**49**	**45**	**34**
Total Table 3+ (20 compounds)	**28**	**58**	**53**	**41**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[5]	CFR-TARHEEL[5]	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421	CFR-TARHEEL-24-032421-Z	CFR-TARHEEL-24-032521
Sample Date	3/24/2021	3/24/2021	3/24/2021	3/25/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/24/21 12:01 AM	3/24/21 12:01 AM	3/24/21 12:01 AM	3/25/21 12:01 AM
Sample Stop Date and Time	3/24/21 11:01 PM	3/24/21 11:01 PM	3/24/21 11:01 PM	3/25/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-73243-1	320-73243-2	320-73243-2	320-73243-1
Lab Sample ID	320-73243-1	320-73243-1	320-73243-1Z	320-73243-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**70 J**	**9.0 J**	**8.4 J**	**13 J**
PFMOAA	**13 J**	**20 J**	**23 J**	**10 J**
PFO2HxA	**10 J**	**13 J**	**12 J**	**8.2 J**
PFO3OA	**3.0 J**	**2.2 J**	<2.0 UJ	<2.0 UJ
PFO4DA	**2.5 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFO5DA	**22 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
PMPA	**21 J**	**17 J**	**12 J**	**19 J**
PEPA	<20 UJ	**4.1 J**	**3.6 J**	<20 UJ
PS Acid	**510 J**	<2.0 UJ	<2.0 UJ	**15 J**
Hydro-PS Acid	**130 J**	<2.0 UJ	<2.0 UJ	**4.1 J**
R-PSDA	**37 J**	**22 J**	**19 J**	<2.0 UJ
Hydrolyzed PSDA	**23 J**	**14 J**	**11 J**	**7.1 J**
R-PSDCA	**6.5 J**	<3.0 UJ	<3.0 UJ	<2.0 UJ
NVHOS	**5.9 J**	**9.2 J**	**14 J**	**2.4 J**
EVE Acid	**33 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	**4.6 J**	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-EVE	<2.0 UJ	**5.3 J**	**5.7 J**	<2.0 UJ
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**4.3 J**	**3.2 J**	**3.4 J**	**6.5 J**
Total Attachment C[1]	**780**	**65**	**59**	**69**
Total Table 3+ (17 compounds)[2]	**830**	**75**	**73**	**72**
Total Table 3+ (20 compounds)	**890**	**120**	**110**	**79**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q1 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[5]	CFR-TARHEEL[5]	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-032521	CFR-TARHEEL-24-032521	CAP0321-CFR-TARHEEL-032921	CFR-TARHEEL-24-032921
Sample Date	3/25/2021	3/25/2021	3/29/2021	3/29/2021
Sample Type	Composite	Composite	Grab	Composite
Sample Start Date and Time	3/25/21 12:01 AM	3/25/21 12:01 AM	-	3/29/21 12:01 AM
Sample Stop Date and Time	3/25/21 11:01 PM	3/25/21 11:01 PM	-	3/29/21 11:01 PM
Composite Duration (hours)	24	24	-	24
QA/QC				
Sample Delivery Group (SDG)	320-73243-1	320-73243-2	320-73243-2	320-72329-1
Lab Sample ID	320-73243-2	320-73243-2	320-73243-2Z	320-72329-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**13 J**	**8.2 J**	**6.4 J**	**3.4**
PFMOAA	**10 J**	**20 J**	**20 J**	**8.0**
PFO2HxA	**8.2 J**	**12 J**	**12 J**	**4.7**
PFO3OA	<2.0 UJ	**2.6 J**	**2.3 J**	<2.0
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PMPA	**19 J**	**12 J**	**12 J**	<10
PEPA	<20 UJ	**3.2 J**	**3.7 J**	<20
PS Acid	**15 J**	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	**4.1 J**	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	<2.0 UJ	**15 J**	**17 J**	<2.0
Hydrolyzed PSDA	**7.1 J**	**9.2 J**	**10 J**	**4.0**
R-PSDCA	<2.0 UJ	<3.0 UJ	<3.0 UJ	<2.0
NVHOS	**2.4 J**	**3.0 J**	**7.8 J**	<2.0
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	<2.0 UJ	**4.9 J**	**5.2 J**	<2.0
PES	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**6.5 J**	**3.7 J**	**3.6 J**	**2.3**
Total Attachment C[1]	**69**	**58**	**56**	**16**
Total Table 3+ (17 compounds)[2]	**72**	**61**	**64**	**16**
Total Table 3+ (20 compounds)	**79**	**90**	**96**	**20**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2021	Q1 2021	Q1 2021	Q2 2021
Location ID	CFR-TARHEEL[6]	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0321-CFR-TARHEEL-21-033021	CFR-TARHEEL-24-033121	CFR-TARHEEL-24-033121-D	CFR-TARHEEL-24-040521
Sample Date	3/30/2021	3/31/2021	3/31/2021	4/5/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	3/29/21 12:50 PM	3/31/21 12:01 AM	3/31/21 12:01 AM	4/5/21 12:01 AM
Sample Stop Date and Time	3/30/21 8:50 AM	3/31/21 11:01 PM	3/31/21 11:01 PM	4/5/21 11:01 PM
Composite Duration (hours)	21	24	24	24
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-71975-1	320-72329-1	320-72329-1	320-72392-1
Lab Sample ID	320-71975-4	320-72329-2	320-72329-3	320-72392-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**2.9**	**4.2**	**4.2**	**31**
PFMOAA	**5.5**	**6.6**	**7.2**	**88**
PFO2HxA	**2.3**	**3.7**	**3.8**	**31**
PFO3OA	<2	<2.0	<2.0	**6.5**
PFO4DA	<2	<2.0	<2.0	**2.4**
PFO5DA	<2	<2.0	<2.0	<2.0
PMPA	<10	<10	<10	**31**
PEPA	<20	<20	<20	<20
PS Acid	<2	<2.0	<2.0	<2.0
Hydro-PS Acid	<2	<2.0	<2.0	<2.0
R-PSDA	**7.2**	<2.0	<2.0	**16**
Hydrolyzed PSDA	**2.2**	**3.1 J**	**3.0**	**45**
R-PSDCA	<2	<2.0	<2.0	<2.0
NVHOS	<2	<2.0	<2.0	**2.0**
EVE Acid	<2	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2	<2.0	<2.0	<2.0
R-EVE	<2	<2.0	<2.0	**6.5**
PES	<2	<2.0	<2.0	<2.0
PFECA B	<2	<2.0	<2.0	<2.0
PFECA-G	<2	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	**3.7**	**2.6**	**3.1**	**3.2**
Total Attachment C[1]	**11**	**15**	**15**	**190**
Total Table 3+ (17 compounds)[2]	**11**	**15**	**15**	**190**
Total Table 3+ (20 compounds)	**20**	**18**	**18**	**260**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-040721	CFR-TARHEEL-24-041221	CFR-TARHEEL-24-041521	CFR-TARHEEL-24-041821
Sample Date	4/7/2021	4/12/2021	4/15/2021	4/18/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	4/7/21 12:01 AM	4/12/21 12:01 AM	4/15/21 12:01 AM	4/18/21 12:01 AM
Sample Stop Date and Time	4/7/21 11:01 PM	4/12/21 11:01 PM	4/15/21 11:01 PM	4/18/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-72392-1	320-72767-1	320-72767-1	320-73112-1
Lab Sample ID	320-72392-2	320-72767-1	320-72767-2	320-73112-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**14**	**10**	**10**	**24**
PFMOAA	**28**	**31**	**31**	**51**
PFO2HxA	**15**	**12**	**11**	**16**
PFO3OA	**3.3**	<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	**26**	**19**	**15**	**17**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	**7.4**	**7.4**	**5.5**	**12**
Hydrolyzed PSDA	**13**	**18**	**8.5**	**18**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0	**2.1**
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	**4.6**	<2.0	**3.6**
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**3.3**	**3.0**	**4.1**	**3.6**
Total Attachment C[1]	**86**	**72**	**67**	**110**
Total Table 3+ (17 compounds)[2]	**86**	**72**	**67**	**110**
Total Table 3+ (20 compounds)	**110**	**100**	**81**	**140**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-041921	CAP0421-CFR-TARHEEL-042021	CAP0421-CFR-TARHEEL-5-042121	CAP0421-CFR-TARHEEL-24-042221
Sample Date	4/19/2021	4/20/2021	4/21/2021	4/22/2021
Sample Type	Composite	Grab	Composite	Composite
Sample Start Date and Time	4/19/21 12:01 AM	-	4/21/21 10:48 AM	4/21/21 2:20 PM
Sample Stop Date and Time	4/19/21 11:01 PM	-	4/21/21 2:48 PM	4/22/21 1:20 PM
Composite Duration (hours)	24	-	5	24
QA/QC				
Sample Delivery Group (SDG)	320-73112-1	320-72813-1	320-72803-1	320-72908-2
Lab Sample ID	320-73112-2	320-72813-3	320-72803-3	320-72908-7
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**31**	**15**	**25**	**23**
PFMOAA	**92**	**48**	**48**	**64**
PFO2HxA	**48**	**19**	**34**	**26**
PFO3OA	**20**	**4.2**	**9.1**	**7.2**
PFO4DA	**5.3**	<2.0	**3.2**	**2.0**
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**24**	**20**	**36**	**19**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	**19**	**13**	**18**	**32**
Hydrolyzed PSDA	**22**	**16**	**30**	**330**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.7**	**3.0**	**4.8**	**3.4**
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	**5.9**	<2.0	**2.8**	**23**
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.7**	**3.5**	**4.3**	**3.6**
Total Attachment C[1]	**220**	**110**	**160**	**140**
Total Table 3+ (17 compounds)[2]	**220**	**110**	**160**	**140**
Total Table 3+ (20 compounds)	**270**	**140**	**210**	**530**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-042721	CFR-TARHEEL-24-042821	CFR-TARHEEL-24-042821-D	CFR-TARHEEL-24-050321
Sample Date	4/27/2021	4/28/2021	4/28/2021	5/3/2021
Sample Type	Grab	Composite	Composite	Composite
Sample Start Date and Time	-	4/28/21 12:01 AM	4/28/21 12:01 AM	5/3/21 12:01 AM
Sample Stop Date and Time	-	4/28/21 11:01 PM	4/28/21 11:01 PM	5/3/21 11:01 PM
Composite Duration (hours)	-	24	24	24
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-73330-1	320-73330-1	320-73330-1	320-73801-1
Lab Sample ID	320-73330-1	320-73330-2	320-73330-3	320-73801-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**23**	**18**	**16**	**14 J**
PFMOAA	**63**	**56**	**53**	**49 J**
PFO2HxA	**25**	**20**	**21**	**14 J**
PFO3OA	**5.6**	**4.6 J**	<2.0	**3.5 J**
PFO4DA	<2.0	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0	<2.0 UJ
PMPA	**30**	**24**	**25**	**22 J**
PEPA	<20	<20	<20	<20 UJ
PS Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0 UJ
R-PSDA	**15**	**17 J**	**15**	**18 J**
Hydrolyzed PSDA	**31 J**	**19 J**	**19 J**	**18 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0 UJ
NVHOS	**3.4**	**3.9**	**3.8**	**11 J**
EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0 UJ
R-EVE	<2.0	<2.0	<2.0	**4.5 J**
PES	<2.0	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	**3.4**	**3.8**	**4.2**	**4.5 J**
Total Attachment C[1]	**150**	**120**	**120**	**100**
Total Table 3+ (17 compounds)[2]	**150**	**130**	**120**	**110**
Total Table 3+ (20 compounds)	**200**	**160**	**150**	**150**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-050621	CFR-TARHEEL-24-051021	CFR-TARHEEL-24-051021-D	CFR-TARHEEL-24-051221
Sample Date	5/6/2021	5/10/2021	5/10/2021	5/12/2021
Sample Type	Grab	Composite	Composite	Composite
Sample Start Date and Time	-	5/10/21 12:01 AM	5/10/21 12:01 AM	5/12/21 12:01 AM
Sample Stop Date and Time	-	5/10/21 11:01 PM	5/10/21 11:01 PM	5/12/21 11:01 PM
Composite Duration (hours)	-	24	24	24
QA/QC			Field Duplicate	
Sample Delivery Group (SDG)	320-73801-1	320-73801-1	320-73801-1	320-73801-1
Lab Sample ID	320-73801-2	320-73801-3	320-73801-4	320-73801-5
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**15 J**	**11**	**12**	**12**
PFMOAA	**57 J**	**32 J**	**32 J**	**40 J**
PFO2HxA	**17 J**	**9.8 J**	**9.9**	**11**
PFO3OA	**3.1 J**	**2.3 J**	**2.2**	**2.7**
PFO4DA	<2.0 UJ	<2.0	<2.0	<2.0
PFO5DA	<2.0 UJ	<2.0	<2.0	<2.0
PMPA	**35 J**	**26 J**	**26 J**	**23 J**
PEPA	<20 UJ	<20 UJ	<20	<20
PS Acid	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0	<2.0
R-PSDA	**17 J**	**18 J**	**20**	**15**
Hydrolyzed PSDA	**20 J**	**14 J**	**15**	**17**
R-PSDCA	<2.0 UJ	<2.0	<2.0	<2.0
NVHOS	**5.8 J**	**8.2**	**7.6**	**5.4**
EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0	<2.0
R-EVE	**3.9 J**	**3.1 J**	**2.9**	**3.9**
PES	<2.0 UJ	<2.0	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.2 J**	**5.9**	**5.2**	**6.0**
Total Attachment C[1]	**130**	**81**	**82**	**89**
Total Table 3+ (17 compounds)[2]	**130**	**89**	**90**	**94**
Total Table 3+ (20 compounds)	**170**	**120**	**130**	**130**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-051721	CFR-TARHEEL-24-052021	CFR-TARHEEL-24-052421
Sample Date	5/17/2021	5/20/2021	5/24/2021
Sample Type	Composite	Composite	Composite
Sample Start Date and Time	5/17/21 12:01 AM	5/20/21 12:01 AM	5/24/21 12:01 AM
Sample Stop Date and Time	5/17/21 11:01 PM	5/20/21 11:01 PM	5/24/21 11:01 PM
Composite Duration (hours)	24	24	24
QA/QC			
Sample Delivery Group (SDG)	320-74299-1	320-74299-1	320-74558-1
Lab Sample ID	320-74299-1	320-74299-2	320-74558-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**13 J**	**22 J**	**21**
PFMOAA	**37 J**	**45 J**	**66**
PFO2HxA	**15 J**	**18 J**	**25**
PFO3OA	**4.0 J**	**3.6 J**	**5.6**
PFO4DA	<2.0 UJ	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0
PMPA	**38 J**	**36 J**	**34**
PEPA	<20 UJ	<20 UJ	<20
PS Acid	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	**11 J**	**14 J**	**12**
Hydrolyzed PSDA	**19 J**	**20 J**	**23**
R-PSDCA	<2.0 UJ	<2.0 UJ	<2.0
NVHOS	**4.5 J**	**4.6 J**	**4.1**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	**2.7 J**	**3.3 J**	**3.6**
PES	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**6.6 J**	**5.2 J**	**6.0**
Total Attachment C[1]	**110**	**120**	**150**
Total Table 3+ (17 compounds)[2]	**110**	**130**	**160**
Total Table 3+ (20 compounds)	**140**	**170**	**190**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL[7]	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0521-CFR-TARHEEL-052621	CAP0521-CFR-TARHEEL-052621	CAP0521-CFR-TARHEEL-24-052721	CFR-TARHEEL-24-052721
Sample Date	5/26/2021	5/26/2021	5/27/2021	5/27/2021
Sample Type	Grab	Grab	Composite	Composite
Sample Start Date and Time	-	-	5/26/21 2:18 PM	5/27/21 12:01 AM
Sample Stop Date and Time	-	-	5/27/21 1:18 PM	5/27/21 11:01 PM
Composite Duration (hours)	-	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-74300-1	320-74300-2	320-74588-1	320-74558-1
Lab Sample ID	320-74300-1	320-74300-1	320-74588-1	320-74558-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**18**	**17 J**	**21**	**20**
PFMOAA	**51**	**23 J**	**60**	**64**
PFO2HxA	**21**	**16 J**	**23**	**21**
PFO3OA	**5.9**	**4.0 J**	**5.6**	**4.4**
PFO4DA	<2.0	<2.0 UJ	<2.0	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0	<2.0
PMPA	**24 B**	**31 BJ**	**33 B**	**49**
PEPA	**5.1**	<20 UJ	<20	<20
PS Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-PSDA	**62 J**	<2.0 UJ	**16**	**11**
Hydrolyzed PSDA	**12 J**	<2.0 UJ	**23**	**20**
R-PSDCA	<3.0 UJ	<2.0 UJ	<2.0	<2.0
NVHOS	**5.1**	**4.4 J**	**5.5**	**5.7**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0	<2.0
R-EVE	**5.0**	<2.0 UJ	**4.1**	**3.8**
PES	<2.0	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0	<2.0
Perfluoroheptanoic Acid	**4.8**	**4.9 J**	**5.7**	**6.5**
Total Attachment C[1]	**130**	**91**	**140**	**160**
Total Table 3+ (17 compounds)[2]	**130**	**95**	**150**	**160**
Total Table 3+ (20 compounds)	**210**	**95**	**190**	**200**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-060221	CFR-TARHEEL-24-060321	CFR-TARHEEL-24-060721	CFR-TARHEEL-24-060721-D
Sample Date	6/2/2021	6/3/2021	6/7/2021	6/7/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/2/21 12:01 AM	6/3/21 12:01 AM	6/7/21 12:01 AM	6/7/21 12:01 AM
Sample Stop Date and Time	6/2/21 11:01 PM	6/3/21 11:01 PM	6/7/21 11:01 PM	6/7/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				Field Duplicate
Sample Delivery Group (SDG)	320-74900-1	320-74900-1	320-75079-1	320-75079-1
Lab Sample ID	320-74900-1	320-74900-2	320-75079-1	320-75079-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**18**	**92**	**11**	**11**
PFMOAA	**49**	**76**	**26**	**23**
PFO2HxA	**20**	**38**	**14**	**13**
PFO3OA	**4.4**	**11**	**3.8**	**3.2**
PFO4DA	<2.0	**4.5**	<2.0	<2.0
PFO5DA	<2.0	**3.1**	<2.0	<2.0
PMPA	**37**	**52**	**26 J**	**24 J**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	**6.2**	<2.0	<2.0
Hydro-PS Acid	<2.0	**3.6**	<2.0	<2.0
R-PSDA	**11**	**29**	**15 J**	<2.0
Hydrolyzed PSDA	**19**	**50**	**14 J**	**12**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.8**	**6.3**	**5.9**	**5.6**
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	**4.7 J**	**9.8**	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**6.2 J**	**6.1**	**6.7**	**5.3**
Total Attachment C[1]	**130**	**290**	**81**	**74**
Total Table 3+ (17 compounds)[2]	**130**	**290**	**87**	**80**
Total Table 3+ (20 compounds)	**170**	**380**	**120**	**92**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-061221	CAP0621-CFR-TARHEEL-061521	CFR-TARHEEL-24-061521	CAP0621-CFR-TARHEEL-24-061621
Sample Date	6/12/2021	6/15/2021	6/15/2021	6/16/2021
Sample Type	Composite	Grab	Composite	Composite
Sample Start Date and Time	6/12/21 12:01 AM	-	6/15/21 12:01 AM	6/15/21 3:35 PM
Sample Stop Date and Time	6/12/21 11:01 PM	-	6/15/21 11:01 PM	6/16/21 2:35 PM
Composite Duration (hours)	24	-	24	24
QA/QC				
Sample Delivery Group (SDG)	320-75079-1	320-75249-1	320-75724-1	320-75253-1
Lab Sample ID	320-75079-3	320-75249-3	320-75724-1	320-75253-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**36**	**7.2**	**7.1**	**6.6**
PFMOAA	**59**	**13**	**17**	**15**
PFO2HxA	**30**	**8.2**	**8.7**	**10**
PFO3OA	**8.7**	<2.0	**2.0**	**2.1**
PFO4DA	**2.9**	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**35**	**22**	**24**	**21**
PEPA	<20	<20	<20	<20
PS Acid	**2.3**	<2.0	<2.0	<2.0
Hydro-PS Acid	**2.3**	<2.0	<2.0	<2.0
R-PSDA	**22**	<2.0	<2.0	<2.0
Hydrolyzed PSDA	**25**	<2.0	**6.3**	**5.0**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	**3.6**	<2.0	<2.0	<2.0
EVE Acid	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0
R-EVE	**6.6**	<2.0	<2.0	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**7.0**	**4.3**	**4.8**	**3.4**
Total Attachment C[1]	**180**	**50**	**59**	**55**
Total Table 3+ (17 compounds)[2]	**180**	**50**	**59**	**55**
Total Table 3+ (20 compounds)	**230**	**50**	**65**	**60**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2021	Q2 2021	Q2 2021	Q2 2021
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CFR-TARHEEL-24-061721	CFR-TARHEEL-24-062221	CFR-TARHEEL-24-062421	CFR-TARHEEL-24-070121
Sample Date	6/17/2021	6/22/2021	6/24/2021	7/1/2021
Sample Type	Composite	Composite	Composite	Composite
Sample Start Date and Time	6/17/21 12:01 AM	6/22/21 12:01 AM	6/24/21 12:01 AM	6/30/21 12:01 AM
Sample Stop Date and Time	6/17/21 11:01 PM	6/22/21 11:01 PM	6/24/21 11:01 PM	7/1/21 11:01 PM
Composite Duration (hours)	24	24	24	24
QA/QC				
Sample Delivery Group (SDG)	320-75724-1	320-75724-1	320-75724-1	320-76118-1
Lab Sample ID	320-75724-2	320-75724-3	320-75724-4	320-76118-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**8.8**	**12**	**10**	**12**
PFMOAA	**12**	**17**	**27**	**24**
PFO2HxA	**7.9**	**12**	**10**	**14**
PFO3OA	**2.0**	**3.0**	**2.8**	**3.5**
PFO4DA	<2.0	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0	<2.0
PMPA	**26**	**33**	**29**	**28**
PEPA	<20	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0	<2.0
R-PSDA	<2.0	<2.0	**19**	<2.0
Hydrolyzed PSDA	**5.2**	<2.0	**12**	**5.9**
R-PSDCA	<2.0	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	**8.1**	**5.5**
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	**4.0**	<2.0
PES	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**4.3**	**5.1**	**6.1**	**4.1**
Total Attachment C[1]	**57**	**77**	**79**	**82**
Total Table 3+ (17 compounds)[2]	**57**	**77**	**87**	**87**
Total Table 3+ (20 compounds)	**62**	**77**	**120**	**93**

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q1 2020	Q2 2020	Q2 2020	Q2 2020
Location ID	EB	EB	EB	FBLK
Field Sample ID	CFR-EQBLK-1-040820	CFR-TARHEEL-EB-052520	CFR-TARHEEL-EB-060120	CFR-TARHEEL-FB-052520
Sample Date	4/8/2020	5/25/2020	6/1/2020	5/25/2020
Sample Type	Grab	Grab	Grab	Grab
Sample Start Date and Time	-	-	-	-
Sample Stop Date and Time	-	-	-	-
Composite Duration (hours)	-	-	-	-
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank	Field Blank
Sample Delivery Group (SDG)	320-60098-1	320-61296-1	320-61452-1	320-61296-1
Lab Sample ID	320-60098-5	320-61296-4	320-61452-4	320-61296-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<4	<2	<2	<2
PFMOAA	<5	<5	<2	<5
PFO2HxA	<2	<2	<2	<2
PFO3OA	<2	<2	<2	<2
PFO4DA	<2	<2	**4.1**	<2
PFO5DA	<2	<2	<2	<2
PMPA	<10	<10	<13	<10
PEPA	<20	<20	<2	<20
PS Acid	<2	<2	<2	<2
Hydro-PS Acid	<2	<2	<2	<2
R-PSDA	<2	<2	<2	<2
Hydrolyzed PSDA	<2	<2	<2	<2
R-PSDCA	<2	<2	<2	<2
NVHOS	<2	<2	<2	<2
EVE Acid	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	<2
R-EVE	<2	<2	<2	<2
PES	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2
Perfluoroheptanoic Acid	<2	--	--	--
Total Attachment C[1]	ND	ND	**4.1**	ND
Total Table 3+ (17 compounds)[2]	ND	ND	**4.1**	ND
Total Table 3+ (20 compounds)	ND	ND	**4.1**	ND

TABLE A1
CAPE FEAR RIVER MASS LOAD ANALYTICAL RESULTS
Chemours Fayetteville Works, North Carolina

Sampling Event	Q2 2020	Q3 2020
Location ID	**FBLK**	**EB**
Field Sample ID	**CFR-TARHEEL-FB-060120**	**CAP3Q20-EQBLK-ISCO-072920**
Sample Date	**6/1/2020**	**7/29/2020**
Sample Type	**Grab**	**Grab**
Sample Start Date and Time	**-**	**-**
Sample Stop Date and Time	**-**	**-**
Composite Duration (hours)	**-**	**-**
QA/QC	**Field Blank**	**Equipment Blank**
Sample Delivery Group (SDG)	**320-61452-1**	**320-63228-1**
Lab Sample ID	**320-61452-3**	**320-63228-4**
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	<2	<2
PFMOAA	<2	<2
PFO2HxA	<2	<2
PFO3OA	<2	<2
PFO4DA	<2	<2
PFO5DA	<2	<2
PMPA	<13	<20
PEPA	<2	<10
PS Acid	<2	<2
Hydro-PS Acid	<2	<2
R-PSDA	<2	<2 UJ
Hydrolyzed PSDA	<2	<2 UJ
R-PSDCA	<2	<2
NVHOS	<2	<2
EVE Acid	<2	<2
Hydro-EVE Acid	<2	<2
R-EVE	<2	<2 UJ
PES	<2	<2
PFECA B	<2	<2
PFECA-G	<2	<2
Perfluoroheptanoic Acid	<2 UJ	<2
Total Attachment C[1]	ND	ND
Total Table 3+ (17 compounds)[2]	ND	ND
Total Table 3+ (20 compounds)	ND	ND

Notes:
Bold - Analyte detected above associated reporting limit.
B - analyte detected in an associated blank.
J - Analyte detected. Reported value may not be accurate or precise.
ND - no Table 3+ analytes were detected above the associated reporting limits.
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SDG - Sample Delivery Group
SOP - standard operating procedure
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
< - Analyte not detected above associated reporting limit.
- - not applicable
1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA), see Appendix J for more details.
2 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
3 - Samples collected on November 24 and 26, 2020 were reanalyzed via method Table 3+ SOP. These reanalysis results were used in mass loading calculations.
4 - Samples collected on February 22, 24, and 25, 2021 were reanalyzed via method modified method 537 Max. These reanalysis results were used in mass loading calculations.
5 - Samples collected on March 24 and 25, 2021 were reanalyzed and via method modified method 537 Max (filtered and unfiltered). The unfiltered reanalysis results were used in mass loading calculations.
6 - Battery failure caused sampling to stop after 21 cycles.
7 - Sample collected on May 26, 2021 were reanalyzed and via method modified method 537 Max (filtered and unfiltered). These reanalysis results are used in mass loading calculations.

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

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76
Field Sample ID	CAP0421-CFR-BLADEN-042021	CAP0421-CFR-KINGS-042321	CAP0421-CFR-RM-76-042021
Sample Date	4/20/2021	4/23/2021	4/20/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72813-1	320-72908-2	320-72813-1
Lab Sample ID	320-72813-2	320-72908-8	320-72813-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**13**	**12**	<2.0
PFMOAA	**43**	**47**	<2.0
PFO2HxA	**19**	**17**	<2.0
PFO3OA	**4.5**	**3.5**	<2.0
PFO4DA	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	**20**	**14**	<10
PEPA	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0
R-PSDA	<2.0	**14**	**8.6**
Hydrolyzed PSDA	**14**	**37**	<2.0
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	**3**	**3.3**	**2.5**
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0
R-EVE	<2.0	**8.9**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3**	**3.8**	**4.7**
Total Attachment C[1]	**100**	**94**	ND
Total Table 3+ (17 compounds)[2]	**100**	**97**	**2.5**
Total Table 3+ (20 compounds)	**120**	**160**	**11**

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

Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0421-CFR-TARHEEL-042021	CAP0421-CFR-TARHEEL-5-042121	CAP0421-CFR-TARHEEL-24-042221
Sample Date	4/20/2021	4/21/2021	4/22/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72813-1	320-72803-1	320-72908-2
Lab Sample ID	320-72813-3	320-72803-3	320-72908-7
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**15**	**25**	**23**
PFMOAA	**48**	**48**	**64**
PFO2HxA	**19**	**34**	**26**
PFO3OA	**4.2**	**9.1**	**7.2**
PFO4DA	<2.0	**3.2**	**2**
PFO5DA	<2.0	<2.0	<2.0
PMPA	**20**	**36**	**19**
PEPA	<20	<20	<20
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0	<2.0
R-PSDA	**13**	**18**	**32**
Hydrolyzed PSDA	**16**	**30**	**330**
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	**3**	**4.8**	**3.4**
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0
R-EVE	<2.0	**2.8**	**23**
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.5**	**4.3**	**3.6**
Total Attachment C[1]	**110**	**160**	**140**
Total Table 3+ (17 compounds)[2]	**110**	**160**	**140**
Total Table 3+ (20 compounds)	**140**	**210**	**530**

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

Location ID	GBC-1	OLDOF-1	OUTFALL 002
Field Sample ID	CAP0421-GBC-1-042021	CAP0421-OLDOF-1-24-042121	CAP0421-OUTFALL-002-24-042121
Sample Date	4/20/2021	4/21/2021	4/21/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72813-1	320-72803-1	320-72808-1
Lab Sample ID	320-72813-4	320-72803-2	320-72808-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**510**	**1,500**	**100**
PFMOAA	**99**	**9,500**	**47**
PFO2HxA	**340**	**2,400**	**28**
PFO3OA	**54**	**590**	**5.7**
PFO4DA	**13**	**260**	**2.9**
PFO5DA	**2.6**	**140**	<2.0
PMPA	**660**	**1,100**	**40**
PEPA	**230**	**380**	<20
PS Acid	<2.0	**110**	**75**
Hydro-PS Acid	**25**	**62**	**5.2**
R-PSDA	**85**	**59**	**73**
Hydrolyzed PSDA	<2.0	**140**	**140**
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	**3.7**	**82**	**4.4**
EVE Acid	<2.0	**7.2**	**2**
Hydro-EVE Acid	<2.0	**36**	<2.0
R-EVE	**25**	**36**	**8.1 J**
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.7	<2.0
PFECA-G	<2.0	<4.8	<2.0
Perfluoroheptanoic Acid	**3**	<9.4	**3.4**
Total Attachment C[1]	**1,900**	**16,000**	**300**
Total Table 3+ (17 compounds)[2]	**1,900**	**16,000**	**310**
Total Table 3+ (20 compounds)	**2,000**	**16,000**	**530**

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

Location ID	OUTFALL 002	Intake at Facility	SEEP-A-1
Field Sample ID	CAP0421-OUTFALL-002-24-042121D	RIVER-WATER-INTAKE2-24-042121	CAP0421-SEEP-A-1-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC	Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72808-1	320-72808-1	320-72815-1
Lab Sample ID	320-72808-2	320-72808-3	320-72815-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**110**	**27**	**22,000**
PFMOAA	**49**	**31**	**84,000**
PFO2HxA	**28**	**21**	**37,000**
PFO3OA	**5.4**	**3.5**	**10,000**
PFO4DA	**2.5**	<2.0	**6,400**
PFO5DA	<2.0	<2.0	**4,700**
PMPA	**42**	**32**	**22,000**
PEPA	<20	<20	**8,500**
PS Acid	**73**	<2.0	**2,500**
Hydro-PS Acid	**5.1**	<2.0	**1,400**
R-PSDA	**77**	**43 J**	**1,900**
Hydrolyzed PSDA	**140**	**360 J**	**16,000**
R-PSDCA	<2.0	<2.0	**60**
NVHOS	**4**	**3**	**920**
EVE Acid	**2.1**	<2.0	**410**
Hydro-EVE Acid	<2.0	<2.0	**1,600**
R-EVE	**11 J**	**50 J**	**1,100**
PES	<2.0	<2.0	<3.4
PFECA B	<2.0	<2.0	<13
PFECA-G	<2.0	<2.0 UJ	<24
Perfluoroheptanoic Acid	**3.8**	**2.6**	**72**
Total Attachment C[1]	**320**	**110**	**200,000**
Total Table 3+ (17 compounds)[2]	**320**	**120**	**200,000**
Total Table 3+ (20 compounds)	**550**	**570**	**220,000**

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

Location ID	SEEP-A-6	SEEP-B-1	SEEP-C-1
Field Sample ID	CAP0421-SEEP-A-1-6-042121	CAP0421-SEEP-B-1-23-042121	CAP0421-SEEP-C-1-20-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72908-2	320-72815-1	320-72815-1
Lab Sample ID	320-72908-6	320-72815-2	320-72815-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**28,000**	**33,000**	<2.0
PFMOAA	**100,000**	**95,000**	**34**
PFO2HxA	**41,000**	**29,000**	**3.2**
PFO3OA	**14,000**	**6,100**	<2.0
PFO4DA	**8,400**	**1,900**	<2.0
PFO5DA	**4,400**	**780**	<2.0
PMPA	**21,000**	**36,000**	<10
PEPA	**9,700**	**18,000**	<20
PS Acid	**3,900**	**4,900**	<2.0
Hydro-PS Acid	**1,600**	**1,400**	<2.0
R-PSDA	**1,900**	**4,200**	<2.0
Hydrolyzed PSDA	**17,000**	**25,000**	<2.0
R-PSDCA	**48**	**110**	<2.0
NVHOS	**1,100**	**2,400**	<2.0
EVE Acid	**740**	**7,300**	<2.0
Hydro-EVE Acid	**1,700**	**3,000**	<2.0
R-EVE	**1,200**	**3,500**	<2.0
PES	<6.7	<3.4	<2.0
PFECA B	<27	<13	<2.0
PFECA-G	<48	<24	<2.0
Perfluoroheptanoic Acid	<94	**140**	<2.0
Total Attachment C[1]	**230,000**	**230,000**	**37**
Total Table 3+ (17 compounds)[2]	**240,000**	**240,000**	**37**
Total Table 3+ (20 compounds)	**260,000**	**270,000**	**37**

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

Location ID	SEEP-D-1	WC-1	EB
Field Sample ID	CAP0421-SEEP-D-1-23-042121	CAP0421-WC-1-24-042121	CAP0421-EQBLK-IS-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC			Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72815-1	320-72803-1	320-72803-1
Lab Sample ID	320-72815-4	320-72803-1	320-72803-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**11,000**	**440**	<2.0
PFMOAA	**47,000**	**680**	**2.2**
PFO2HxA	**15,000**	**430**	<2.0
PFO3OA	**4,000**	**70**	<2.0
PFO4DA	**920**	**16**	<2.0
PFO5DA	<39	<2.0	<2.0
PMPA	**5,700**	**530**	<10
PEPA	**2,300**	**140**	<20
PS Acid	<9.8	<2.0	<2.0
Hydro-PS Acid	**190**	**15**	<2.0
R-PSDA	**470**	**94**	<2.0
Hydrolyzed PSDA	**360**	**220**	<2.0
R-PSDCA	<8.7	<2.0	<2.0
NVHOS	**390**	**12**	<2.0
EVE Acid	<8.7	<2.0	<2.0
Hydro-EVE Acid	**360**	**5.1**	<2.0
R-EVE	**510**	**34**	<2.0
PES	<3.4	<2.0	<2.0
PFECA B	<13	<2.0	<2.0
PFECA-G	<24	<2.0	<2.0
Perfluoroheptanoic Acid	**56**	**4.1**	<2.0
Total Attachment C[1]	**86,000**	**2,300**	**2.2**
Total Table 3+ (17 compounds)[2]	**87,000**	**2,300**	**2.2**
Total Table 3+ (20 compounds)	**88,000**	**2,700**	**2.2**

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

Location ID	CFR-BLADEN	CFR-BLADEN[3]	CFR-KINGS
Field Sample ID	CAP0521-CFR-BLADEN-052621	CAP0521-CFR-BLADEN-052621	CAP0521-CFR-KINGS-052821
Sample Date	5/26/2021	5/26/2021	5/28/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74300-1	320-74300-2	320-74588-1
Lab Sample ID	320-74300-2	320-74300-2	320-74588-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**23 J**	**23 J**	**18**
PFMOAA	**81 J**	**31 J**	**50**
PFO2HxA	**32 J**	**21 J**	**20**
PFO3OA	**4.3 J**	**5.4 J**	**5.3**
PFO4DA	**2.1 J**	<2.0 UJ	<2.0
PFO5DA	<2.0 UJ	<2.0 UJ	<2.0
PMPA	**40 B**	**36 B**	**32 B**
PEPA	**6.9 J**	<20 UJ	<20
PS Acid	<2.0 UJ	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0 UJ	<2.0 UJ	<2.0
R-PSDA	**21 J**	<2.0 UJ	**15**
Hydrolyzed PSDA	**14 J**	**5.5 J**	**20**
R-PSDCA	<3.0 UJ	<2.0 UJ	<2.0
NVHOS	**6.5 J**	**4.9 J**	**3.9**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0 UJ	<2.0 UJ	<2.0
R-EVE	**5.1 J**	<2.0 UJ	**8.3**
PES	<2.0 UJ	<2.0 UJ	<2.0
PFECA B	<2.0 UJ	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**4.1 J**	**5.0 J**	**3.6**
Total Attachment C[1]	**190**	**120**	**130**
Total Table 3+ (17 compounds)[2]	**200**	**120**	**130**
Total Table 3+ (20 compounds)	**240**	**130**	**170**

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

Location ID	CFR-MILE-54	CFR-MILE-54[3]	CFR-MILE-76
Field Sample ID	CAP0521-CFR-RM-54-052421	CAP0521-CFR-RM-54-052421	CAP0521-CFR-RM-76-052521
Sample Date	5/24/2021	5/24/2021	5/25/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74287-1	320-74287-2	320-74287-1
Lab Sample ID	320-74287-3	320-74287-3	320-74287-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<4.0	<2.0 UJ	<4.0
PFMOAA	<2.0	<2.0 UJ	<2.0
PFO2HxA	<2.0	<2.0 UJ	<2.0
PFO3OA	<2.0	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0
PMPA	<2.0	**18 B**	**5.1 B**
PEPA	<2.0	<20 UJ	<2.0
PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0
R-PSDA	**54 J**	<2.0 UJ	**35 J**
Hydrolyzed PSDA	<2.0 UJ	<2.0 UJ	<2.0 UJ
R-PSDCA	<3.0 UJ	<2.0 UJ	<3.0 UJ
NVHOS	**8.2**	**6.6 J**	**5.9**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0
PES	<2.0	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**5.2**	**6.1 J**	**4.6**
Total Attachment C[1]	ND	**18**	**5.1**
Total Table 3+ (17 compounds)[2]	**8.2**	**25**	**11**
Total Table 3+ (20 compounds)	**62**	**25**	**46**

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

Location ID	CFR-MILE-76[3]	CFR-TARHEEL	CFR-TARHEEL[3]
Field Sample ID	CAP0521-CFR-RM-76-052521	CAP0521-CFR-TARHEEL-052621	CAP0521-CFR-TARHEEL-052621
Sample Date	5/25/2021	5/26/2021	5/26/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74287-2	320-74300-1	320-74300-2
Lab Sample ID	320-74287-4	320-74300-1	320-74300-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**2.0 J**	**18**	**17 J**
PFMOAA	<2.0 UJ	**51**	**23 J**
PFO2HxA	<2.0 UJ	**21**	**16 J**
PFO3OA	<2.0 UJ	**5.9**	**4.0 J**
PFO4DA	<2.0 UJ	<2.0	<2.0 UJ
PFO5DA	<2.0 UJ	<2.0	<2.0 UJ
PMPA	**23 B**	**24 B**	**31 B**
PEPA	<20 UJ	**5.1**	<20 UJ
PS Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0 UJ	<2.0	<2.0 UJ
R-PSDA	<2.0 UJ	**62 J**	<2.0 UJ
Hydrolyzed PSDA	<2.0 UJ	**12 J**	<2.0 UJ
R-PSDCA	<2.0 UJ	<3.0 UJ	<2.0 UJ
NVHOS	**4.0 J**	**5.1**	**4.4 J**
EVE Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0 UJ	<2.0	<2.0 UJ
R-EVE	<2.0 UJ	**5.0**	<2.0 UJ
PES	<2.0 UJ	<2.0	<2.0 UJ
PFECA B	<2.0 UJ	<2.0	<2.0 UJ
PFECA-G	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**4.9 J**	**4.8**	**4.9 J**
Total Attachment C[1]	**25**	**130**	**91**
Total Table 3+ (17 compounds)[2]	**29**	**130**	**95**
Total Table 3+ (20 compounds)	**29**	**210**	**95**

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

Location ID	CFR-TARHEEL	DEEP-RIVER-END	DEEP-RIVER-END[3]
Field Sample ID	CAP0521-CFR-TARHEEL-24-052721	DEEP-RIVER-MOUTH-052421	DEEP-RIVER-MOUTH-052421
Sample Date	5/27/2021	5/24/2021	5/24/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74588-1	320-74287-1	320-74287-2
Lab Sample ID	320-74588-1	320-74287-1	320-74287-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**21**	<4.0	<2.0 UJ
PFMOAA	**60**	<2.0	<2.0 UJ
PFO2HxA	**23**	<2.0	<2.0 UJ
PFO3OA	**5.6**	<2.0	<2.0 UJ
PFO4DA	<2.0	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0	<2.0 UJ
PMPA	**33 B**	<2.0	**16 B**
PEPA	<20	<2.0	<20 UJ
PS Acid	<2.0	<2.0 UJ	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0	<2.0 UJ
R-PSDA	**16**	<2.0 UJ	<2.0 UJ
Hydrolyzed PSDA	**23**	<2.0 UJ	<2.0 UJ
R-PSDCA	<2.0	<3.0 UJ	<2.0 UJ
NVHOS	**5.5**	<3.0	<2.0 UJ
EVE Acid	<2.0	<2.0 UJ	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0	<2.0 UJ
R-EVE	**4.1**	<2.0	<2.0 UJ
PES	<2.0	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<2.0 UJ
Perfluoroheptanoic Acid	**5.7**	**3.9**	**6.8 J**
Total Attachment C[1]	**140**	ND	**16**
Total Table 3+ (17 compounds)[2]	**150**	ND	**16**
Total Table 3+ (20 compounds)	**190**	ND	**16**

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

Location ID	GBC-1	HAW-RIVER-END
Field Sample ID	CAP0521-GBC-1-052521	CAP0521-HAW-RIVER-MOUTH-052421
Sample Date	5/25/2021	5/24/2021
QA/QC		
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74288-1	320-74287-1
Lab Sample ID	320-74288-1	320-74287-2
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	**600**	<4.0
PFMOAA	**180**	<2.0
PFO2HxA	**390**	<2.0
PFO3OA	**62**	<2.0
PFO4DA	**24**	<2.0
PFO5DA	<7.8	<2.0
PMPA	**700 B**	<2.0
PEPA	**270**	<2.0
PS Acid	<2.0	<2.0 UJ
Hydro-PS Acid	**32**	<2.0
R-PSDA	**31**	<2.0 UJ
Hydrolyzed PSDA	<3.8	<2.0 UJ
R-PSDCA	<2.0	<3.0 UJ
NVHOS	<2.0	<3.0
EVE Acid	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0
R-EVE	**17**	<2.0
PES	<2.0	<2.0
PFECA B	<2.7	<2.0
PFECA-G	<4.8	<2.0 UJ
Perfluoroheptanoic Acid	<9.4	**8.4**
Total Attachment C[1]	**2,300**	ND
Total Table 3+ (17 compounds)[2]	**2,300**	ND
Total Table 3+ (20 compounds)	**2,300**	ND

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

Location ID	HAW-RIVER-END[3]	Lock-Dam Seep	OLDOF-1
Field Sample ID	CAP0521-HAW-RIVER-MOUTH-052421	CAP0521-LOCK-DAM-SEEP-052521	CAP0521-OLDOF-1-23-052621
Sample Date	5/24/2021	5/25/2021	5/26/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74287-2	320-74288-1	320-74332-1
Lab Sample ID	320-74287-2	320-74288-2	320-74332-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2.0 UJ	**9,300**	**790**
PFMOAA	<2.0 UJ	**90,000**	**4,400**
PFO2HxA	<2.0 UJ	**23,000**	**1,200**
PFO3OA	<2.0 UJ	**11,000**	**390**
PFO4DA	<2.0 UJ	**1,600**	**140**
PFO5DA	<2.0 UJ	**99**	**66**
PMPA	**18 B**	**5,500**	**490 B**
PEPA	<20 UJ	**2,000**	**220**
PS Acid	<2.0 UJ	<2.0	**28**
Hydro-PS Acid	<2.0 UJ	**140**	**34**
R-PSDA	<2.0 UJ	**1,400**	**38**
Hydrolyzed PSDA	<2.0 UJ	**1,700**	**64**
R-PSDCA	<2.0 UJ	**8.8**	<2.0
NVHOS	<2.0 UJ	**1,000**	**48**
EVE Acid	<2.0 UJ	<2.0	**2.0**
Hydro-EVE Acid	<2.0 UJ	**110**	**17**
R-EVE	<2.0 UJ	**400**	**22**
PES	<2.0 UJ	<2.0	<2.0
PFECA B	<2.0 UJ	<2.0	<2.7
PFECA-G	<2.0 UJ	<2.0	<4.8
Perfluoroheptanoic Acid	**7.9 J**	**68**	<9.4
Total Attachment C[1]	**18**	**140,000**	**7,800**
Total Table 3+ (17 compounds)[2]	**18**	**140,000**	**7,800**
Total Table 3+ (20 compounds)	**18**	**150,000**	**7,900**

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

Location ID	OUTFALL 002	OUTFALL 002	Intake at Facility
Field Sample ID	CAP0521-OUTFALL-002-24-052621	OUTFALL-002-24-052621-D	RIVER-WATER-INTAKE2-24-052621
Sample Date	5/26/2021	5/26/2021	5/26/2021
QA/QC		Field Duplicate	
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74317-1	320-74317-1	320-74332-1
Lab Sample ID	320-74317-3	320-74317-4	320-74332-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**130**	**130**	**42**
PFMOAA	**56**	**70**	**56**
PFO2HxA	**46**	**50**	**36**
PFO3OA	**7.0 J**	**9.9 J**	**6.0**
PFO4DA	**2.9**	**2.7**	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	**98 J**	**57 B**	**96**
PEPA	<20	<20	<20
PS Acid	**29**	**33**	<2.0
Hydro-PS Acid	**4.4**	**5.6**	<2.0
R-PSDA	**58**	**78**	**18 J**
Hydrolyzed PSDA	**120**	**140**	**17 J**
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	**6.1**	**7.4**	**5.6**
EVE Acid	**7.4**	**8.7**	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0
R-EVE	**26**	**31**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**5.8**	**5.2**	**4.9**
Total Attachment C[1]	**370**	**360**	**240**
Total Table 3+ (17 compounds)[2]	**390**	**370**	**240**
Total Table 3+ (20 compounds)	**590**	**620**	**280**

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

Location ID	SEEP-A-1	SEEP-B-1	SEEP-B-1[3]
Field Sample ID	CAP0521-SEEP-A-1-24-052621	CAP0521-SEEP-B-1-24-052621	CAP0521-SEEP-B-1-24-052621
Sample Date	5/26/2021	5/26/2021	5/26/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74316-1	320-74316-1	320-74316-2
Lab Sample ID	320-74316-1	320-74316-2	320-74316-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2.0	**81,000**	**32,000 J**
PFMOAA	<2.0	**290,000**	**110,000 J**
PFO2HxA	<2.0	**86,000**	**36,000 J**
PFO3OA	<2.0	**22,000**	**11,000 J**
PFO4DA	<2.0	**5,200**	**1,600 J**
PFO5DA	<2.0	**1,300**	**390 J**
PMPA	**21 B**	**81,000**	**41,000 J**
PEPA	<20	**46,000**	**18,000 J**
PS Acid	<2.0	**5,900**	**670 J**
Hydro-PS Acid	<2.0	**3,500**	**1,200 J**
R-PSDA	<2.0	**10,000**	**3,200 J**
Hydrolyzed PSDA	<2.0	**58,000**	**30,000 J**
R-PSDCA	<2.0	**190**	**63 J**
NVHOS	<2.0	**6,200**	**1,400 J**
EVE Acid	<2.0	**6,100**	**1,100 J**
Hydro-EVE Acid	<2.0	**6,000**	**2,200 J**
R-EVE	<2.0	**7,700**	**3,100 J**
PES	<2.0	<67	**6.6 J**
PFECA B	<2.0	<270	<6.2 UJ
PFECA-G	<2.0	<480	<2.9 UJ
Perfluoroheptanoic Acid	<2.0	<940	**190 J**
Total Attachment C[1]	**21**	**620,000**	**250,000**
Total Table 3+ (17 compounds)[2]	**21**	**640,000**	**260,000**
Total Table 3+ (20 compounds)	**21**	**720,000**	**290,000**

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

Location ID	SEEP-C-1	SEEP-D-1	WC-1
Field Sample ID	CAP0521-SEEP-C-1-24-052621	CAP0521-SEEP-D-1-18-052621	CAP0521-WC-1-24-052621
Sample Date	5/26/2021	5/26/2021	5/26/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74316-1	320-74316-1	320-74317-1
Lab Sample ID	320-74316-3	320-74316-4	320-74317-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**3.2**	**36,000**	**450**
PFMOAA	**42**	**100,000**	**1,000**
PFO2HxA	**4.3**	**37,000**	**510**
PFO3OA	<2.0	**15,000**	**88**
PFO4DA	<2.0	**12,000**	**25**
PFO5DA	**2.9**	**2,500**	**7.5**
PMPA	**21 B**	**10,000**	**620**
PEPA	<20	**3,800**	**150**
PS Acid	**3.7**	**320**	<2.0
Hydro-PS Acid	**3.6**	**3,500**	**18**
R-PSDA	<2.0	**6,800**	**96**
Hydrolyzed PSDA	<2.0	**16,000**	**360**
R-PSDCA	<2.0	**99**	<2.0
NVHOS	<2.0	**1,200**	**16**
EVE Acid	<2.0	<17	<2.0
Hydro-EVE Acid	<2.0	**9,600**	**9.5**
R-EVE	<2.0	**4,900**	**41**
PES	<2.0	<6.7	<2.0
PFECA B	<2.0	<27	<2.0
PFECA-G	<2.0	<48	<2.0
Perfluoroheptanoic Acid	<2.0	**350**	**3.9**
Total Attachment C[1]	**81**	**220,000**	**2,900**
Total Table 3+ (17 compounds)[2]	**81**	**230,000**	**2,900**
Total Table 3+ (20 compounds)	**81**	**260,000**	**3,400**

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

Location ID	EB	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0521-EQBLK-IS-052621	CAP0621-CFR-BLADEN-061521	CAP0621-CFR-KINGS-061721
Sample Date	5/26/2021	6/15/2021	6/17/2021
QA/QC	Equipment Blank		
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74317-1	320-75249-1	320-75234-1
Lab Sample ID	320-74317-2	320-75249-4	320-75234-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2.0	**7.2**	**6.7**
PFMOAA	<2.0	**18**	**13**
PFO2HxA	<2.0	**8.3**	**9.3**
PFO3OA	<2.0	<2.0	**2.1**
PFO4DA	<2.0	<2.0	<2.0
PFO5DA	<2.0	<2.0	<2.0
PMPA	**16**	**19**	**38**
PEPA	<20	<20	<20
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	**6.3**	**7.0**
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	<2.0	<2.0	<2.0
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
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	**3.1**	**5.7**
Total Attachment C[1]	**16**	**53**	**69**
Total Table 3+ (17 compounds)[2]	**16**	**53**	**69**
Total Table 3+ (20 compounds)	**16**	**59**	**76**

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

Location ID	CFR-MILE-76	CFR-MILE-76[3]	CFR-TARHEEL
Field Sample ID	CAP0621-CFR-RM-76-061521	CAP0621-CFR-RM-76-061521	CAP0621-CFR-TARHEEL-061521
Sample Date	6/15/2021	6/15/2021	6/15/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75234-1	320-75234-2	320-75249-1
Lab Sample ID	320-75234-1	320-75234-1	320-75249-3
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	<2.0	<2.0 UJ	**7.2**
PFMOAA	<2.0	**2.5 J**	**13**
PFO2HxA	<2.0	<2.0 UJ	**8.2**
PFO3OA	<2.0	<2.0 UJ	<2.0
PFO4DA	<2.0	<2.0 UJ	<2.0
PFO5DA	<2.0	<2.0 UJ	<2.0
PMPA	**22**	<10 UJ	**22**
PEPA	<20	<20 UJ	<20
PS Acid	<2.0	<2.0 UJ	<2.0
Hydro-PS Acid	<2.0	<2.0 UJ	<2.0
R-PSDA	<2.0	**4.1 J**	<2.0
Hydrolyzed PSDA	<2.0	<2.0 UJ	<2.0
R-PSDCA	<2.0	<2.0 UJ	<2.0
NVHOS	<2.0	<2.0 UJ	<2.0
EVE Acid	<2.0	<2.0 UJ	<2.0
Hydro-EVE Acid	<2.0	<2.0 UJ	<2.0
R-EVE	<2.0	<2.0 UJ	<2.0
PES	<2.0	<2.0 UJ	<2.0
PFECA B	<2.0	<2.0 UJ	<2.0
PFECA-G	<2.0	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**4.8**	**3.1 J**	**4.3**
Total Attachment C[1]	**22**	**2.5**	**50**
Total Table 3+ (17 compounds)[2]	**22**	**2.5**	**50**
Total Table 3+ (20 compounds)	**22**	**6.6**	**50**

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

Location ID	CFR-TARHEEL	GBC-1	Lock-Dam Seep
Field Sample ID	CAP0621-CFR-TARHEEL-24-061621	CAP0621-GBC-1-061521	CAP0621-LOCK-DAM-SEEP-061521
Sample Date	6/16/2021	6/15/2021	6/15/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75253-1	320-75234-1	320-75234-1
Lab Sample ID	320-75253-2	320-75234-3	320-75234-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**6.6**	**440**	**8,400 J**
PFMOAA	**15**	**74**	**71,000 J**
PFO2HxA	**10**	**320**	**23,000 J**
PFO3OA	**2.1**	**54**	**10,000 J**
PFO4DA	<2.0	**21**	**1,800**
PFO5DA	<2.0	**3.3**	**95**
PMPA	**21**	**670**	**6,700 J**
PEPA	<20	**160**	**1,700**
PS Acid	<2.0	<2.0	<2.0
Hydro-PS Acid	<2.0	**25**	**120**
R-PSDA	<2.0	**90**	**590 J**
Hydrolyzed PSDA	**5.0**	<2.0	**2,000**
R-PSDCA	<2.0	<2.0	**9.1**
NVHOS	<2.0	**3.3**	**1,000**
EVE Acid	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	**2.0**	**110**
R-EVE	<2.0	**37**	**600**
PES	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**3.4**	**4.2**	**59**
Total Attachment C[1]	**55**	**1,800**	**120,000**
Total Table 3+ (17 compounds)[2]	**55**	**1,800**	**120,000**
Total Table 3+ (20 compounds)	**60**	**1,900**	**130,000**

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

Location ID	OLDOF-1	OUTFALL 002	Intake at Facility
Field Sample ID	CAP0621-OLDOF-1-24-061621	CAP0621-OUTFALL-002-24-061621	RIVER-WATER-INTAKE2-24-061621
Sample Date	6/16/2021	6/16/2021	6/16/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75253-1	320-75253-1	320-75247-1
Lab Sample ID	320-75253-4	320-75253-3	320-75247-1
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**760**	**69**	**11**
PFMOAA	**3,700**	**18**	**9.7 J**
PFO2HxA	**1,100**	**17**	**10**
PFO3OA	**360**	**3.6**	**2.3**
PFO4DA	**160**	**2.4**	<2.0
PFO5DA	**77**	<2.0	<2.0
PMPA	**540**	**47**	**39**
PEPA	**180**	<20	<20
PS Acid	**16**	**32**	<2.0
Hydro-PS Acid	**31**	**3.3**	<2.0
R-PSDA	<7.1	**27**	<2.0
Hydrolyzed PSDA	<3.8	**85**	**4.5 J**
R-PSDCA	<2.0	<2.0	<2.0
NVHOS	<2.0	**2.9**	<2.0
EVE Acid	<2.0	**10**	<2.0
Hydro-EVE Acid	**17**	<2.0	<2.0
R-EVE	<7.2	**6.9**	<2.0
PES	<2.0	<2.0	<2.0
PFECA B	<2.7	<2.0	<2.0
PFECA-G	<4.8	<2.0	<2.0
Perfluoroheptanoic Acid	<9.4	**5.1**	**3.0**
Total Attachment C[1]	**6,900**	**190**	**72**
Total Table 3+ (17 compounds)[2]	**6,900**	**210**	**72**
Total Table 3+ (20 compounds)	**6,900**	**320**	**77**

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

Location ID	Intake at Facility	SEEP-A-BYPASS	SEEP-B-EFF
Field Sample ID	RIVER-WATER-INTAKE2-24-061621D	CAP0621-SEEP-A-BP-1-24-061621	CAP0621-SEEP-B-EFF-24-061621
Sample Date	6/16/2021	6/16/2021	6/16/2021
QA/QC	Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75247-1	320-75294-1	320-75294-1
Lab Sample ID	320-75247-2	320-75294-1	320-75294-2
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**11**	**4,800**	<2.0
PFMOAA	**14 J**	**14,000**	**5.3**
PFO2HxA	**12**	**6,500**	<2.0
PFO3OA	<2.0	**2,200**	<2.0
PFO4DA	<2.0	**1,300**	<2.0
PFO5DA	<2.0	**580**	<2.0
PMPA	**38**	**3,200**	<10
PEPA	<20	**1,700**	<20
PS Acid	<2.0	**760**	<2.0
Hydro-PS Acid	<2.0	**240**	<2.0
R-PSDA	<2.0	**430**	<2.0
Hydrolyzed PSDA	**4.9**	**3,500**	<2.0
R-PSDCA	<2.0	<8.7	<2.0
NVHOS	<2.0	**180**	<2.0
EVE Acid	<2.0	**170**	<2.0
Hydro-EVE Acid	<2.0	**270**	<2.0
R-EVE	<2.0	**210**	<2.0
PES	<2.0	<3.4	<2.0
PFECA B	<2.0	<13	<2.0
PFECA-G	<2.0	<24	<2.0
Perfluoroheptanoic Acid	**3.9**	<47	<2.0
Total Attachment C[1]	**75**	**35,000**	**5.3**
Total Table 3+ (17 compounds)[2]	**75**	**36,000**	**5.3**
Total Table 3+ (20 compounds)	**80**	**40,000**	**5.3**

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

Location ID	SEEP-C-BYPASS	SEEP-C-BYPASS[3]	SEEP-D-IMP
Field Sample ID	CAP0621-SEEP-C-BP-1-24-061621	CAP0621-SEEP-C-BP-1-24-061621	CAP0621-SEEP-D-IMP-061621
Sample Date	6/16/2021	6/16/2021	6/16/2021
QA/QC			
Sample Matrix	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75294-1	320-75294-2	320-75294-1
Lab Sample ID	320-75294-3	320-75294-3	320-75294-4
Table 3+ SOP (ng/L)			
Hfpo Dimer Acid	**15,000 J**	**16,000 J**	**13,000 J**
PFMOAA	**79,000 J**	**67,000 J**	**51,000 J**
PFO2HxA	**34,000 J**	**31,000 J**	**19,000 J**
PFO3OA	**12,000 J**	**10,000 J**	**5,900 J**
PFO4DA	**3,200 J**	**2,500 J**	**1,700 J**
PFO5DA	<78 UJ	<39 UJ	**170 J**
PMPA	**7,400 J**	**6,000 J**	**7,900 J**
PEPA	**2,000 J**	**2,000 J**	**1,900 J**
PS Acid	<20 UJ	**12 J**	<20 UJ
Hydro-PS Acid	**320 J**	**340 J**	**250 J**
R-PSDA	**830 J**	**700 J**	**640 J**
Hydrolyzed PSDA	**1,200 J**	**1,100 J**	**1,800 J**
R-PSDCA	**21 J**	**14 J**	<17 UJ
NVHOS	**920 J**	**830 J**	**590 J**
EVE Acid	<17 UJ	<8.7 UJ	<17 UJ
Hydro-EVE Acid	**1,100 J**	**1,000 J**	**1,000 J**
R-EVE	**1,200 J**	**790 J**	**750 J**
PES	<6.7 UJ	**7.8 J**	<6.7 UJ
PFECA B	<27 UJ	<13 UJ	<27 UJ
PFECA-G	<48 UJ	<24 UJ	<48 UJ
Perfluoroheptanoic Acid	**180 J**	**170 J**	**120 J**
Total Attachment C[1]	**150,000**	**130,000**	**100,000**
Total Table 3+ (17 compounds)[2]	**150,000**	**140,000**	**100,000**
Total Table 3+ (20 compounds)	**160,000**	**140,000**	**110,000**

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

Location ID	SEEP-D-IMP	WC-1
Field Sample ID	CAP0621-SEEP-D-IMP-24-061721	CAP0621-WC-1-24-061621
Sample Date	6/17/2021	6/16/2021
QA/QC		
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75294-1	320-75253-1
Lab Sample ID	320-75294-5	320-75253-1
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	**16,000**	**320**
PFMOAA	**65,000**	**600**
PFO2HxA	**24,000**	**380**
PFO3OA	**7,200**	**65**
PFO4DA	**1,800**	**16**
PFO5DA	<78	**2.3**
PMPA	**8,000**	**420**
PEPA	**1,900**	**120**
PS Acid	<20	<2.0
Hydro-PS Acid	**230**	**14**
R-PSDA	**700**	**110**
Hydrolyzed PSDA	**1,500**	**230**
R-PSDCA	<17	<2.0
NVHOS	**730**	**11**
EVE Acid	<17	<2.0
Hydro-EVE Acid	**980**	**4.2**
R-EVE	**760**	**41**
PES	<6.7	<2.0
PFECA B	<27	<2.0
PFECA-G	<48	<2.0
Perfluoroheptanoic Acid	**110**	**3.5**
Total Attachment C[1]	**120,000**	**1,900**
Total Table 3+ (17 compounds)[2]	**130,000**	**2,000**
Total Table 3+ (20 compounds)	**130,000**	**2,300**

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

Location ID	EB	EB
Field Sample ID	CAP0621-EQBLK-IS-061621	CAP0621-EQBLK-PP-061621
Sample Date	6/16/2021	6/16/2021
QA/QC	Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75249-1	320-75249-1
Lab Sample ID	320-75249-1	320-75249-2
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	<2.0	<2.0 UJ
PFMOAA	<2.0	<2.0 UJ
PFO2HxA	<2.0	<2.0 UJ
PFO3OA	<2.0	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ
PFO5DA	<2.0	<2.0 UJ
PMPA	<10	<10 UJ
PEPA	<20	<20 UJ
PS Acid	<2.0	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ
R-PSDA	<2.0	<2.0 UJ
Hydrolyzed PSDA	<2.0	<2.0 UJ
R-PSDCA	<2.0	<2.0 UJ
NVHOS	<2.0	<2.0 UJ
EVE Acid	<2.0	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ
R-EVE	<2.0	<2.0 UJ
PES	<2.0	<2.0 UJ
PFECA B	<2.0	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ
Perfluoroheptanoic Acid	<2.0	<2.0 UJ
Total Attachment C[1]	ND	ND
Total Table 3+ (17 compounds)[2]	ND	ND
Total Table 3+ (20 compounds)	ND	ND

Notes:

Bold - Analyte detected above associated reporting limit
B - analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ND - no analytes were detected above the associated reporting limits
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SDG - Sample Delivery Group
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.
1 - Total Attachment C does not include Perfluoroheptanoic acid (PFHpA).
2 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
3 - Samples collected at CFR-MILE-76 on May 25, 2021, at CFR-BLADEN, CFR-TARHEEL, and SEEP-B-IMP on May 26, 2021 were reanalyzed. These reanalysis results are used in mass loading calculations. Samples collected at CFR-MILE-54, DEEP-RIVER-END, and HAW-RIVER-END on May 24, 2021 were reanalyzed via method Table 3+ SOP. The samples collected at CFR-MILE-76 on June 15, 2021 and at SEEP-C on June 16, 2021 were reanalyzed.

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	CFR-BLADEN	CFR-KINGS	CFR-MILE-76
Field Sample ID	CAP0121-CFR-BLADEN-012621	CAP0121-CFR-KINGS-012821	CAP0121-CFR-RM-76-012621
Sample Date	1/26/2021	1/28/2021	1/26/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69420-2	320-69610-3	320-69420-2
Lab Sample ID	320-69420-1	320-69610-1	320-69420-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**4.8 J**	**4.9 J**	**5.9 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**4.9 J**	**5.1 J**	**5.1 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**5.4 J**	**5.5 J**	**6.4 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	CFR-TARHEEL	GBC-1
Field Sample ID	CAP0121-CFR-TARHEEL-012621	CAP0121-CFR-TARHEEL-24-012721	CAP0121-GBC-1-012621
Sample Date	1/26/2021	1/27/2021	1/26/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69424-2	320-69495-4	320-69424-2
Lab Sample ID	320-69424-4	320-69495-2	320-69424-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	**7.6 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**5.3 J**	**5.1 J**	**2.6 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**5.7 J**	**4.9 J**	**6.5 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**5.9 J**	**5.6 J**	**3.2 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	Lock-Dam Seep	OLDOF-1	OUTFALL 002
Field Sample ID	CAP0121-LOCK-DAM-SEEP-012621	CAP0121-OLDOF-1-012721	CAP0121-OUTFALL-002-24-012721
Sample Date	1/26/2021	1/27/2021	1/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69424-2	320-69549-2	320-69424-2
Lab Sample ID	320-69424-2	320-69549-1	320-69424-1
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**31 J**	**9.8 J**	**5.7 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**6.8 J**	**2.5 J**	**5.2 J**
Perfluorononanoic Acid	**2.4 J**	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**150 J**	**19 J**	**17 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**19 J**	**5.3 J**	**6.9 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	Intake at Facility	SEEP-A-IMP	SEEP-A-IMP
Field Sample ID	RIVER-WATER-INTAKE-24-012721	CAP0121-SEEP-A-24-012721	CAP0121-SEEP-A-24-012721-Z
Sample Date	1/27/2021	1/27/2021	1/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69414-2	320-69417-2	320-69417-2
Lab Sample ID	320-69414-2	320-69417-2	320-69417-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**190 J**	**210 J**
Perfluorodecanoic Acid	<2.0 UJ	**3.0 J**	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**5.1 J**	**22 J**	**27 J**
Perfluorononanoic Acid	<2.0 UJ	**28 J**	**12 J**
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**5.2 J**	**320 J**	**320 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	**2.8 J**	<2.0 UJ
PFOA	**5.5 J**	**31 J**	**29 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	SEEP-B	SEEP-C-EFF	SEEP-D
Field Sample ID	CAP0121-SEEP-B-012721	CAP0121-SEEP-C-24-012721	CAP0121-SEEP-D-012721
Sample Date	1/27/2021	1/27/2021	1/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69549-2	320-69417-2	320-69549-2
Lab Sample ID	320-69549-2	320-69417-4	320-69549-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**450 J**	<5.0 UJ	**170 J**
Perfluorodecanoic Acid	**3.4 J**	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**31 J**	<2.0 UJ	**37 J**
Perfluorononanoic Acid	**15 J**	<2.0 UJ	**3.9 J**
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**880 J**	**7.4 J**	**630 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**34 J**	<2.0 UJ	**16 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	WC-1	WC-1	EB
Field Sample ID	CAP0121-WC-1-24-012721	CAP0121-WC-1-24-012721-D	CAP0121-EQBLK-PP-012621
Sample Date	1/27/2021	1/27/2021	1/26/2021
QA/QC		Field Duplicate	Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69414-2	320-69417-2	320-69420-2
Lab Sample ID	320-69414-1	320-69417-1	320-69420-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**2.6 J**	**2.9 J**	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**4.5 J**	**3.7 J**	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**2.9 J**	**3.1 J**	<2.0 UJ

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	EB	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0121-EQBLK-ISCO-012721	CAP0421-CFR-BLADEN-042021	CAP0421-CFR-KINGS-042321
Sample Date	1/27/2021	4/20/2021	4/23/2021
QA/QC	Equipment Blank		
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69420-2	320-72813-2	320-72908-4
Lab Sample ID	320-69420-4	320-72813-2	320-72908-8
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**5.3 J**	**4.7 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	**5.8 J**	**6.3 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	**6.2 J**	**6.1 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	CFR-MILE-76	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0421-CFR-RM-76-042021	CAP0421-CFR-TARHEEL-042021	CAP0421-CFR-TARHEEL-5-042121
Sample Date	4/20/2021	4/20/2021	4/21/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72813-2	320-72813-2	320-72803-2
Lab Sample ID	320-72813-1	320-72813-3	320-72803-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**5.2 J**	**4.9 J**	**5.6 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**5.8 J**	**5.6 J**	**6.4 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**6.2 J**	**6.1 J**	**7.3 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	CFR-TARHEEL	GBC-1	OLDOF-1
Field Sample ID	CAP0421-CFR-TARHEEL-24-042221	CAP0421-GBC-1-042021	CAP0421-OLDOF-1-24-042121
Sample Date	4/22/2021	4/20/2021	4/21/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72908-4	320-72813-2	320-72803-2
Lab Sample ID	320-72908-7	320-72813-4	320-72803-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**8.2 J**	**15 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**5.4 J**	**2.8 J**	**3.4 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**6.5 J**	**8.3 J**	**28 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**6.7 J**	**3.0 J**	**7.6 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	OUTFALL 002	OUTFALL 002	Intake at Facility
Field Sample ID	CAP0421-OUTFALL-002-24-042121	CAP0421-OUTFALL-002-24-042121D	RIVER-WATER-INTAKE2-24-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC		Field Duplicate	
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72808-2	320-72808-2	320-72808-2
Lab Sample ID	320-72808-1	320-72808-2	320-72808-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**5.5 J**	**5.3 J**	**4.9 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**8.3 J**	**8.7 J**	**6.2 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**6.8 J**	**7.1 J**	**5.9 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	SEEP-A-IMP	SEEP-A-IMP	SEEP-B-IMP
Field Sample ID	CAP0421-SEEP-A-1-042121	CAP0421-SEEP-A-1-6-042121	CAP0421-SEEP-B-1-23-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72815-2	320-72908-4	320-72815-2
Lab Sample ID	320-72815-1	320-72908-6	320-72815-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**270 J**	**270 J**	**680 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	**4.2 J**
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**32 J**	**38 J**	**45 J**
Perfluorononanoic Acid	**19 J**	**20 J**	**22 J**
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**550 J**	**630 J**	**1,400 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**37 J**	**36 J**	**44 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	SEEP-C-EFF	SEEP-D-1	WC-1
Field Sample ID	CAP0421-SEEP-C-1-20-042121	CAP0421-SEEP-D-1-23-042121	CAP0421-WC-1-24-042121
Sample Date	4/21/2021	4/21/2021	4/21/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72815-2	320-72815-2	320-72803-2
Lab Sample ID	320-72815-3	320-72815-4	320-72803-1
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**110 J**	**5.0 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**24 J**	**3.4 J**
Perfluorononanoic Acid	<2.0 UJ	**2.2 J**	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	**450 J**	**7.5 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	**17 J**	**5.2 J**

TABLE A2-2

SEEP AND SURFACE WATER OTHER PFAS COMPOUNDS ANALYTICAL RESULTS

Chemours Fayetteville Works, North Carolina

Location ID	EB
Field Sample ID	CAP0421-EQBLK-IS-042121
Sample Date	4/21/2021
QA/QC	Equipment Blank
Sample Matrix	Liquid
Sample Delivery Group (SDG)	320-72803-2
Lab Sample ID	320-72803-4
Other PFAS Compounds (ng/L)	
Perfluorobutanoic Acid	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ
PFOA	<2.0 UJ

Notes:

Bold - Analyte detected above associated reporting limit

B - analyte detected in an associated blank

EPA - Environmental Protection Agency

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

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

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

Pathway / Location	April 2021			May 2021			June 2021		
	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1,2]	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1,3]	Flow Rate (gpm)	Flow Measurement Date	Instantaneous Flow Rate (ft^3/s)[1]	Flow Rate (gpm)
Upstream River Water and Groundwater[4]	4/20/2021	2,740	1,229,630	5/25/2021	1,194	536,086	6/15/2021	4,449	1,996,746
Willis Creek	4/21/2021	12	5,184	5/26/2021	0.58	259	6/16/2021	1.3	595
Intake River Water at Facility	4/21/2021	22	9,896	5/26/2021	21	9,220	6/16/2021	21	9,220
Outfall 002	4/21/2021	22	9,683	5/26/2021	24	10,827	6/16/2021	29	13,030
Seep A	4/21/2021	0.38	172	5/26/2021	0.20	89	6/16/2021	0.20	92
Seep B	4/21/2021	0.23	101	5/26/2021	0.23	101	6/16/2021	0.32	142
Seep C	4/21/2021	0.12	56	5/26/2021	0.07	32	6/16/2021	0.09	42
Seep D	4/21/2021	0.40	180	5/26/2021	0.25	113	6/17/2021	0.30	135
Lock and Dam Seep	3/29/2021	0.03	16	5/25/2021	0.03	16	6/15/2021	0.003	1.5
Old Outfall 002	4/21/2021	1.6	703	5/26/2021	0.12	52	6/16/2021	0.14	64
Georgia Branch Creek	4/20/2021	7.5	3,372	5/25/2021	0.50	223	6/15/2021	0.67	302
CFR-TARHEEL[5]	4/22/2021	2,165	911,078	5/27/2021	1,238	544,066	6/16/2021	4,680	2,034,883
CFR-TARHEEL[6]	4/20/2021	2,900	1,301,614	5/26/2021	1,240	556,549	6/15/2021	4,480	2,010,770
CFR-TARHEEL[6]	4/21/2021	2,315	1,038,913	--	--	--	--	--	--
CFR-BLADEN[7]	4/20/2021	2,890	1,297,126	5/26/2021	1,230	552,061	6/15/2021	4,450	1,997,305
CFR-KINGS[8]	4/23/2021	2,230	1,000,897	5/28/2021	1,510	677,733	6/17/2021	4,290	1,925,492

Notes

1 - Flow measurement methods are described in Table 2. Detailed flow data and calculations are provided in Appendix B.

2 - In April 2021, at Seeps A through D and Lock and Dam Seep, flows could not be measured at these locations. Instantaneous flows were estimated using median flows of wet weather events measured at the flumes over 2020 historical periods at Seeps A through D. Flow rate measured in March 2021 for the Lock and Dam Seep was used in the mass loading model calculations (Geosyntec, 2021b).

3 - In May 2021, flow could not be measured Seep B. Instantaneous flows were estimated using median flows of wet weather events measured at the flumes over 2020 historical periods at Seeps B. Measured flow rate using the Marsh-McBirney method at Lock and Dam Seep for May 2021 was considered erroneous when comparing to historical flow rates. Flow rate used for Lock and Dam Seep in the April 2021 mass loading model was used for the May 2021 mass loading model calculations.

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 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam used to estimate flow rate at Tar Heel Ferry Road Bridge during the 24 hr period between the collection of the composite sample on April 21-22, 2021; the composite sample between May 26-27, 2021; the composite sample on June 15-16, 2021.

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

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

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

-- - not sampled or not measured

TABLE A4
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
SEEP-A-1	4/21/2021	4.6	8.0	301	12	117	23.3
SEEP-B-1	4/21/2021	4.7	8.2	208	64	96	16.4
SEEP-C-1	4/21/2021	6.3	3.2	188	2.8	75	21.3
SEEP-D-1	4/21/2021	6.5	7.3	26	12	86	20.6
CFR-BLADEN	4/20/2021	6.7	8.1	209	21	57	22.0
CFR-KINGS	4/23/2021	7.4	7.6	87	6.3	87	19.5
CFR-RM-76	4/20/2021	7.7	7.1	50	6.2	114	18.4
CFR-TARHEEL	4/20/2021	7.1	8.0	122	12	82	21.0
CFR-TARHEEL	4/22/2021	6.2	8.5	358	16	87	17.5
GBC-1	4/20/2021	5.5	8.1	226	20	104	18.9
RIVER WATER INTAKE 2	4/21/2021	6.6	7.8	207	13	123	24.9
OLDOF-1	4/21/2021	5.1	8.6	196	5.5	239	20.1
OUTFALL 002	4/21/2021	6.4	9.0	220	3.2	124	19.9
WC-1	4/21/2021	5.4	8.1	213	20	70	22.8
SEEP-A-1	5/25/2021	4.8	4.9	391	0.7	145	22.1
SEEP-B-1	5/25/2021	4.5	7.8	251	264	178	24.1
SEEP-C-1	5/25/2021	5.9	4.4	220	1.5	117	27.0
SEEP-D-1	5/26/2021	4.0	8.0	425	1.6	200	27.2
CFR-BLADEN	5/26/2021	7.4	7.1	102	6.6	183	27.6
CFR-KINGS	5/28/2021	7.0	6.2	115	4.0	369	31.1
CFR-RM-54	5/24/2021	8.6	6.5	-22	2.8	276	31.0
CFR-RM-76	5/25/2021	7.4	7.0	95	3.7	113	24.8
CFR-TARHEEL	5/26/2021	7.3	7.2	109	4.9	217	28.6
GBC-1	5/25/2021	4.5	7.3	260	6.3	108	24.8
LOCK-DAM SEEP	5/25/2021	6.8	7.5	53	18	127	25.7
LOCK-DAM SEEP NORTH	5/25/2021	NS	NS	NS	NS	NS	NS
OLDOF-1	5/25/2021	5.8	7.4	167	2.1	249	28.2
OUTFALL-002	5/25/2021	7.8	7.1	85	7.1	468	27.2

TABLE A4
SEEP AND SURFACE WATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductivity (µS/cm)	Temperature (°C)
RIVER WATER INTAKE 2	5/25/2021	7.4	8.0	119	10	184	25.6
WC-1	5/25/2021	5.0	8.3	178	7.7	108	22.9
DEEP-RIVER-MOUTH	5/24/2021	7.6	6.8	50	8.8	170	29.7
HAW-RIVER-MOUTH	5/24/2021	7.9	7.1	40	6.4	219	27.3
CFR-BLADEN	6/15/2021	7.6	6.6	56	12	162	30.8
CFR-KINGS	6/17/2021	7.8	5.8	66	22	278	30.3
CFR-RM-76	6/15/2021	7.5	6.0	56	12	146	28.9
CFR-TARHEEL	6/15/2021	7.3	6.2	71	7.6	116	30.3
GBC-1	6/15/2021	6.9	4.5	104	12	159	29.7
LOCK-DAM-SEEP	6/15/2021	6.4	5.6	188	133	151	28.4
LOCK-DAM-SEEP-NORTH	6/15/2021	NS	NS	NS	NS	NS	NS
OLDOF-1	6/15/2021	7.1	6.4	96	187	275	28.3
OUTFALL 002	6/15/2021	7.6	7.3	109	35	194	31.5
RIVER WATER INTAKE 2	6/15/2021	7.9	6.9	41	41	126	30.0
SEEP-A-BYPASS-1	6/15/2021	6.3	4.3	211	24	194	22.4
SEEP-B-EFF	6/15/2021	7.7	3.8	174	12	134	26.2
SEEP-C-BYPASS-1	6/15/2021	6.7	4.6	766	98	146	27.5
SEEP-D-IMP	6/17/2021	6.5	1.5	143	27	340	28.0
WC-1	6/15/2021	5.9	6.5	132	220	101	28.0

Abbreviations:
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
NS - not sampled

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits
Location ID	LTW-01	LTW-02	LTW-03	LTW-04
Field Sample ID	CAP0421-LTW-01-043021	CAP0421-LTW-02-042921	CAP0421-LTW-03-042221	CAP0421-LTW-04-042221
Sample Date	4/30/2021	4/29/2021	4/22/2021	4/22/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73333-1	320-73333-1	320-72908-1	320-72908-1
Lab Sample ID	320-73333-1	320-73333-2	320-72908-1	320-72908-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**23,000 J**	**7,000 J**	**11,000**	**23,000**
PFMOAA	**27,000 J**	**26,000 J**	**160,000**	**86,000**
PFO2HxA	**26,000 J**	**11,000 J**	**36,000**	**30,000**
PFO3OA	**5,100 J**	**2,400 J**	**4,700**	**5,400**
PFO4DA	**1,400 J**	**120 J**	**190**	**840**
PFO5DA	**310 J**	<78 UJ	<78	<39
PMPA	**20,000 J**	**4,300 J**	**11,000**	**20,000**
PEPA	**8,500 J**	**1,500 J**	**2,800**	**8,200**
PS Acid	<20 UJ	<20 UJ	<20	<9.8
Hydro-PS Acid	**370 J**	<6.1 UJ	<6.1	**170**
R-PSDA	**1,100 J**	<71 UJ	**560**	**1,700**
Hydrolyzed PSDA	**540 J**	**840 J**	**2,800**	**2,700**
R-PSDCA	<17 UJ	<17 UJ	<17	**17**
NVHOS	**370 J**	**260 J**	**1,000**	**1,400**
EVE Acid	<17 UJ	<17 UJ	<17	<8.7
Hydro-EVE Acid	**130 J**	<14 UJ	**56**	**590**
R-EVE	**760 J**	<72 UJ	**460**	**2,100**
PES	<6.7 UJ	<6.7 UJ	<6.7	<3.4
PFECA B	<27 UJ	<27 UJ	<27	<13
PFECA-G	<48 UJ	<48 UJ	<48	<24
Perfluoroheptanoic Acid	**200 J**	**140 J**	<94	**57**
Total Attachment C[2]	**110,000**	**52,000**	**230,000**	**170,000**
Total Table 3+ (17 compounds)[3]	**110,000**	**53,000**	**230,000**	**180,000**
Total Table 3+ (20 compounds)	**110,000**	**53,000**	**230,000**	**180,000**

TABLE A5-1
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	LTW-05	LTW-05	PIW-1D	PIW-1S
Field Sample ID	CAP0421-LTW-05-042721	CAP0421-LTW-05-042721-D	CAP0421-PIW-1D-041621	CAP0421-PIW-1S-041621
Sample Date	4/27/2021	4/27/2021	4/16/2021	4/16/2021
QA/QC		Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73105-1	320-73105-1	320-72751-1	320-72751-1
Lab Sample ID	320-73105-1	320-73105-2	320-72751-2	320-72751-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**20,000**	**18,000**	**8,900**	**3,800**
PFMOAA	**200,000**	**200,000**	**21,000**	**1,300**
PFO2HxA	**48,000**	**45,000**	**10,000**	**3,400**
PFO3OA	**13,000**	**13,000**	**2,200**	**420**
PFO4DA	**3,000**	**3,100**	**280**	**180**
PFO5DA	<78	<160	<16	**53**
PMPA	**5,000**	**4,000**	**8,900**	**4,900**
PEPA	**520 J**	<31	**3,100**	**1,800**
PS Acid	<20	<39	<3.9	<2.0
Hydro-PS Acid	**300**	**290**	**38**	**140**
R-PSDA	**600**	**630**	**270**	**170**
Hydrolyzed PSDA	**1,100**	**960**	**32**	<3.8
R-PSDCA	**36**	<35	<3.5	<2.0
NVHOS	**1,200**	**990**	**180**	**18**
EVE Acid	<17	<35	<3.5	<2.0
Hydro-EVE Acid	**1,200**	**1,200**	**30**	**22**
R-EVE	**970**	**900**	**170**	**98**
PES	<6.7	<13	<2.0	<2.0
PFECA B	<27	<53	<5.3	<2.7
PFECA-G	<48	<96	<9.6 UJ	<4.8 UJ
Perfluoroheptanoic Acid	**280**	**300**	<19	**13**
Total Attachment C[2]	**290,000**	**280,000**	**54,000**	**16,000**
Total Table 3+ (17 compounds)[3]	**290,000**	**290,000**	**55,000**	**16,000**
Total Table 3+ (20 compounds)	**290,000**	**290,000**	**55,000**	**16,000**

TABLE A5-1
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	CAP0421-PIW-3D-042921	CAP0421-PIW-7D-042221	CAP0421-PIW-7S-042221	CAP0421-PW-04-041421
Sample Date	4/29/2021	4/22/2021	4/22/2021	4/14/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73333-1	320-72908-1	320-72908-1	320-72547-1
Lab Sample ID	320-73333-3	320-72908-4	320-72908-3	320-72547-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12,000 J**	**13,000**	**18,000**	**430**
PFMOAA	**5,500 J**	**180,000**	**22,000**	**180**
PFO2HxA	**9,000 J**	**39,000**	**14,000**	**500**
PFO3OA	**1,600 J**	**6,200**	**5,300**	**150**
PFO4DA	**730 J**	**1,300**	**640**	**150**
PFO5DA	**140 J**	<78	**58**	**4.3**
PMPA	**9,700 J**	**4,300**	**12,000**	**850**
PEPA	**3,900 J**	**660**	**5,500**	**300**
PS Acid	<20 UJ	<20	<3.9	<2.0
Hydro-PS Acid	**150 J**	**150**	**440**	**140**
R-PSDA	**460 J**	**500**	**1,100**	**130**
Hydrolyzed PSDA	<38 UJ	**820**	**92**	<2.0
R-PSDCA	<17 UJ	<17	**14**	<2.0
NVHOS	**79 J**	**1,000**	**770**	**3.6**
EVE Acid	<17 UJ	<17	<3.5	<2.0
Hydro-EVE Acid	**57 J**	**530**	**680**	**12**
R-EVE	<72 UJ	**680**	**1,600**	**69**
PES	<6.7 UJ	<6.7	<2.0	<2.0
PFECA B	<27 UJ	<27	<5.3	<2.0
PFECA-G	<48 UJ	<48	<9.6	<2.0 UJ
Perfluoroheptanoic Acid	**200 J**	**100**	**59**	**4.8**
Total Attachment C[2]	**43,000**	**240,000**	**78,000**	**2,700**
Total Table 3+ (17 compounds)[3]	**43,000**	**250,000**	**79,000**	**2,700**
Total Table 3+ (20 compounds)	**43,000**	**250,000**	**82,000**	**2,900**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-06	PW-07	PW-09	PZ-22
Field Sample ID	CAP0421-PW-06-041421	CAP0421-PW-07-041421	CAP0421-PW-09-041321	CAP0421-PZ-22-042221
Sample Date	4/14/2021	4/14/2021	4/13/2021	4/22/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72547-1	320-72547-1	320-72480-1	320-72908-1
Lab Sample ID	320-72547-2	320-72547-3	320-72480-1	320-72908-5
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**1,500**	**520**	<81	**10,000**
PFMOAA	**270**	**270**	<80	**190,000**
PFO2HxA	**820**	**610**	<27	**39,000**
PFO3OA	**120**	**78**	<39	**2,800**
PFO4DA	**70**	**110**	<59	**150**
PFO5DA	<2.0	<2.0	<78	<78
PMPA	**1,300**	**800**	<620	**4,100**
PEPA	**490**	**210**	<20	**930**
PS Acid	<2.0	<2.0	<20	<20
Hydro-PS Acid	**42**	**27**	<6.1	<6.1
R-PSDA	**72**	**57**	<71	**270**
Hydrolyzed PSDA	<2.0	<2.0	<38	**550**
R-PSDCA	<2.0	<2.0	<17	<17
NVHOS	**7.2**	**6.3**	<15	**950**
EVE Acid	<2.0	<2.0	<17	<17
Hydro-EVE Acid	**8.8**	**11**	<14	**32**
R-EVE	**27**	**25**	<72	**360**
PES	<2.0	<2.0	<6.7	<6.7
PFECA B	<2.0	<2.0	<27	<27
PFECA-G	<2.0 UJ	<2.0 UJ	<48	<48
Perfluoroheptanoic Acid	**7**	**6.9**	<94	<94
Total Attachment C[2]	**4,600**	**2,600**	ND	**250,000**
Total Table 3+ (17 compounds)[3]	**4,600**	**2,600**	ND	**250,000**
Total Table 3+ (20 compounds)	**4,700**	**2,700**	ND	**250,000**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer	--
Location ID	SMW-10	SMW-11	SMW-12	EB
Field Sample ID	CAP0421-SMW-10-042721	CAP0421-SMW-11-041321	CAP0421-SMW-12-041421	CAP0421-EQBLK-PP-041321
Sample Date	4/27/2021	4/13/2021	4/15/2021	4/13/2021
QA/QC				Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73105-1	320-72480-1	320-72547-1	320-72480-1
Lab Sample ID	320-73105-3	320-72480-2	320-72547-4	320-72480-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2.0	**2,600**	**2,100**	<2.0
PFMOAA	**71**	**3,500**	**6,200**	<2.0
PFO2HxA	**4.1**	**2,200**	**1,700**	<2.0
PFO3OA	<2.0	**490**	**120**	<2.0
PFO4DA	<2.0	**220 J**	<12	<2.0
PFO5DA	<2.0	<78	<16	<2.0
PMPA	**14**	**2,300**	**1,800**	<10
PEPA	<20	**630**	**390**	<20
PS Acid	<2.0	<20	<3.9	<2.0
Hydro-PS Acid	<2.0	**88**	<2.0	<2.0
R-PSDA	<2.0	**86 J**	**100**	<2.0
Hydrolyzed PSDA	<2.0	<38	<7.6	<2.0
R-PSDCA	<2.0	<17	<3.5	<2.0
NVHOS	<2.0	<15	**50**	<2.0
EVE Acid	<2.0	<17	<3.5	<2.0
Hydro-EVE Acid	<2.0	<14	<2.9	<2.0
R-EVE	<2.0	**83 J**	**96**	<2.0
PES	<2.0	<6.7	<2.0	<2.0
PFECA B	<2.0	<27	<5.3	<2.0
PFECA-G	<2.0	<48	<9.6 UJ	<2.0
Perfluoroheptanoic Acid	<2.0	<94	<19	<2.0
Total Attachment C[2]	**89**	**12,000**	**12,000**	ND
Total Table 3+ (17 compounds)[3]	**89**	**12,000**	**12,000**	ND
Total Table 3+ (20 compounds)	**89**	**12,000**	**13,000**	ND

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

Water Bearing Unit[1]	--	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits
Location ID	EB	LTW-01	LTW-02	LTW-03
Field Sample ID	CAP0421-EQBLK-DV-041421	CAP0521-LTW-01-051721	CAP0521-LTW-02-051721	CAP0521-LTW-03-051821
Sample Date	4/15/2021	5/17/2021	5/17/2021	5/18/2021
QA/QC	Equipment Blank			
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-72547-1	320-74035-1	320-74035-1	320-74042-1
Lab Sample ID	320-72547-5	320-74035-1	320-74035-2	320-74042-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2.0	**24,000 J**	**8,200 J**	**12,000**
PFMOAA	<2.0	**35,000 J**	**34,000 J**	**150,000**
PFO2HxA	<2.0	**27,000 J**	**14,000 J**	**38,000**
PFO3OA	<2.0	**5,300 J**	**2,700 J**	**5,600**
PFO4DA	<2.0	**1,600 J**	**210 J**	**170**
PFO5DA	<2.0	**270 J**	<78 UJ	<78
PMPA	<10	**26,000 J**	**11,000 J**	**17,000**
PEPA	<20	**8,000 J**	**1,800 J**	**2,900**
PS Acid	<2.0	<20 UJ	<20 UJ	<20
Hydro-PS Acid	<2.0	**360 J**	**21 J**	**29**
R-PSDA	<2.0	**1,200 J**	**430 J**	**930**
Hydrolyzed PSDA	<2.0	**940 J**	**1,500 J**	**6,300**
R-PSDCA	<2.0	<17 UJ	<17 UJ	<17
NVHOS	<2.0	**420 J**	**520 J**	**1,200**
EVE Acid	<2.0	<17 UJ	<17 UJ	<17
Hydro-EVE Acid	<2.0	**140 J**	**48 J**	**50**
R-EVE	<2.0	**860 J**	**380 J**	**600**
PES	<2.0	<6.7 UJ	<6.7 UJ	<6.7
PFECA B	<2.0	<27 UJ	<27 UJ	<27
PFECA-G	<2.0 UJ	<48 UJ	<48 UJ	<48
Perfluoroheptanoic Acid	<2.0	**500 J**	**540 J**	**530**
Total Attachment C[2]	ND	**130,000**	**72,000**	**230,000**
Total Table 3+ (17 compounds)[3]	ND	**130,000**	**72,000**	**230,000**
Total Table 3+ (20 compounds)	ND	**130,000**	**75,000**	**230,000**

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	LTW-04	LTW-05	PIW-1D	PIW-1S
Field Sample ID	CAP0521-LTW-04-051921	CAP0521-LTW-05-051821	CAP0521-PIW-1D-051721	CAP0521-PIW-1S-052021
Sample Date	5/19/2021	5/18/2021	5/17/2021	5/20/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74042-1	320-74035-1	320-74035-1	320-74290-1
Lab Sample ID	320-74042-2	320-74035-5	320-74035-3	320-74290-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**21,000**	**23,000**	**11,000 J**	**8,200 J**
PFMOAA	**83,000**	**170,000**	**19,000 J**	<80 UJ
PFO2HxA	**30,000**	**48,000**	**9,900 J**	**5,100 J**
PFO3OA	**5,100**	**13,000**	**1,700 J**	**580 J**
PFO4DA	**730**	**3,200**	**390 J**	**250 J**
PFO5DA	<78	<78	<78 UJ	<78 UJ
PMPA	**24,000**	**12,000**	**15,000 J**	**8,800 J**
PEPA	**7,500**	**430**	**3,000 J**	**2,800 J**
PS Acid	<20	<20	<20 UJ	<20 UJ
Hydro-PS Acid	**180**	**260**	<6.1 UJ	**130 J**
R-PSDA	**3,000**	**870**	**280 J**	**400 J**
Hydrolyzed PSDA	**7,600**	**2,300**	**61 J**	<38 UJ
R-PSDCA	<17	**28**	<17 UJ	<17 UJ
NVHOS	**1,600**	**1,400**	**220 J**	**38 J**
EVE Acid	<17	<17	<17 UJ	<17 UJ
Hydro-EVE Acid	**530**	**1,000**	**30 J**	**20 J**
R-EVE	**2,700**	**1,200**	**190 J**	**270 J**
PES	**12**	**16**	<6.7 UJ	<6.7 UJ
PFECA B	<27	<27	<27 UJ	<27 UJ
PFECA-G	<48	<48	<48 UJ	<48 UJ
Perfluoroheptanoic Acid	**590**	**850**	**590 J**	**260 J**
Total Attachment C[2]	**170,000**	**270,000**	**60,000**	**26,000**
Total Table 3+ (17 compounds)[3]	**170,000**	**270,000**	**60,000**	**26,000**
Total Table 3+ (20 compounds)	**190,000**	**280,000**	**61,000**	**27,000**

TABLE A5-1
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	CAP0521-PIW-3D-051721	CAP0521-PIW-7D-051921	CAP0521-PIW-7S-051921	CAP0521-PW-04-051021
Sample Date	5/17/2021	5/19/2021	5/19/2021	5/10/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74035-1	320-74042-1	320-74042-1	320-73649-1
Lab Sample ID	320-74035-4	320-74042-4	320-74042-5	320-73649-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12,000 J**	**16,000**	**14,000**	**340**
PFMOAA	**5,700 J**	**160,000**	**17,000**	**160**
PFO2HxA	**8,700 J**	**42,000**	**11,000**	**430**
PFO3OA	**1,500 J**	**6,500**	**3,600**	**140**
PFO4DA	**940 J**	**1,600**	**440**	**180**
PFO5DA	**120 J**	<78	<78	**5.2**
PMPA	**14,000 J**	**11,000**	**15,000**	**650**
PEPA	**3,600 J**	**810**	**3,800**	**230**
PS Acid	<20 UJ	<20	<20	<2.0
Hydro-PS Acid	**140 J**	**130**	**340**	**140**
R-PSDA	**510 J**	**740**	**1,100**	**86**
Hydrolyzed PSDA	<38 UJ	**1,900**	**120**	<2.0
R-PSDCA	<17 UJ	<17	<17	<2.0
NVHOS	**85 J**	**1,200**	**690**	**3.3**
EVE Acid	<17 UJ	<17	<17	<2.0
Hydro-EVE Acid	**47 J**	**470**	**460**	**11**
R-EVE	**290 J**	**920**	**1,500**	**51**
PES	<6.7 UJ	**9.6**	<6.7	<2.0
PFECA B	<27 UJ	<27	<27	<2.0
PFECA-G	<48 UJ	<48	<48	<2.0
Perfluoroheptanoic Acid	**580 J**	**620**	**610**	**3.6**
Total Attachment C[2]	**47,000**	**240,000**	**65,000**	**2,300**
Total Table 3+ (17 compounds)[3]	**47,000**	**240,000**	**66,000**	**2,300**
Total Table 3+ (20 compounds)	**48,000**	**240,000**	**69,000**	**2,400**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Black Creek Aquifer
Location ID	PW-06[4]	PW-06[4]	PW-07	PW-09
Field Sample ID	CAP0521-PW-06-051021	CAP0521-PW-06-051021-D	CAP0521-PW-07-050721	CAP0521-PW-09-051321
Sample Date	5/10/2021	5/10/2021	5/7/2021	5/13/2021
QA/QC		Field Duplicate		
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73599-1	320-73599-1	320-73649-1	320-73721-1
Lab Sample ID	320-73599-1	320-73599-2	320-73649-1	320-73721-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**1,400**	**1,300**	**530 J**	<2.0
PFMOAA	**190 J**	**190 J**	**290 J**	<2.0
PFO2HxA	**770**	**840**	**630 J**	<2.0
PFO3OA	<39	<39	**85 J**	<2.0
PFO4DA	<59	<59	**72 J**	<2.0
PFO5DA	<78	<78	<2.0 UJ	<2.0
PMPA	**1,700**	**1,600**	**710 J**	<10
PEPA	**430 J**	<20 UJ	**190 J**	<20
PS Acid	<20	<20	<2.0 UJ	<2.0
Hydro-PS Acid	<6.1	<6.1	**25 J**	<2.0
R-PSDA	<71	<71	**57 J**	<2.0
Hydrolyzed PSDA	<38	<38	<2.0 UJ	<2.0
R-PSDCA	<17	<17	<2.0 UJ	<2.0
NVHOS	<15	<15	**5.7 J**	<2.0
EVE Acid	<17	<17	<2.0 UJ	<2.0
Hydro-EVE Acid	<14	<14	**7.0 J**	<2.0
R-EVE	<72	<72	**25 J**	<2.0
PES	<6.7	<6.7	<2.0 UJ	<2.0
PFECA B	<27	<27	<2.0 UJ	<2.0
PFECA-G	<48	<48	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	<94	<94	**3.7 J**	<2.0
Total Attachment C[2]	**4,500**	**3,900**	**2,500**	ND
Total Table 3+ (17 compounds)[3]	**4,500**	**3,900**	**2,500**	ND
Total Table 3+ (20 compounds)	**4,500**	**3,900**	**2,600**	ND

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PW-09	PZ-22	SMW-10	SMW-10[4]
Field Sample ID	CAP0521-PW-09-051321-Z	CAP0521-PZ-22-051921	CAP0521-SMW-10-052121	CAP0521-SMW-10-052121
Sample Date	5/13/2021	5/19/2021	5/21/2021	5/21/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73721-1	320-74042-1	320-74290-1	320-74290-2
Lab Sample ID	320-73721-2	320-74042-3	320-74290-2	320-74290-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2.0	**13,000**	<81	<2.0 UJ
PFMOAA	<2.0	**180,000**	<80 UJ	**20 J**
PFO2HxA	<2.0	**41,000**	<27	**3.4 J**
PFO3OA	<2.0	**3,800**	<39	<2.0 UJ
PFO4DA	<2.0	**330**	<59	<2.0 UJ
PFO5DA	<2.0	<78	<78	<2.0 UJ
PMPA	<10	**9,800**	**770**	<10 UJ
PEPA	<20	**1,000**	<20	<20 UJ
PS Acid	<2.0	<20	<20	<2.0 UJ
Hydro-PS Acid	<2.0	**39**	<6.1	<2.0 UJ
R-PSDA	<2.0	**510**	<71	<2.0 UJ
Hydrolyzed PSDA	<2.0	**950**	<38	<2.0 UJ
R-PSDCA	<2.0	<17	<17	<2.0 UJ
NVHOS	<2.0	**1,200**	**430**	<2.0 UJ
EVE Acid	<2.0	<17	<17	<2.0 UJ
Hydro-EVE Acid	<2.0	**95**	<14	<2.0 UJ
R-EVE	<2.0	**490**	<72	<2.0 UJ
PES	<2.0	<6.7	<6.7	<2.0 UJ
PFECA B	<2.0	<27	<27	<2.0 UJ
PFECA-G	<2.0	<48	<48	<2.0 UJ
Perfluoroheptanoic Acid	<2.0	**600**	**180**	<2.0 UJ
Total Attachment C[2]	ND	**250,000**	**770**	**23**
Total Table 3+ (17 compounds)[3]	ND	**250,000**	**1,200**	**23**
Total Table 3+ (20 compounds)	ND	**250,000**	**1,200**	**23**

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	--	--
Location ID	SMW-11	SMW-12	EB	EB
Field Sample ID	CAP0521-SMW-11-051221	CAP0521-SMW-12-052121	CAP0521-EQBLK-PP-050721	CAP0521-EQBLK-DV-052121
Sample Date	5/12/2021	5/21/2021	5/7/2021	5/21/2021
QA/QC			Equipment Blank	Equipment Blank
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-73721-1	320-74290-1	320-73649-1	320-74290-1
Lab Sample ID	320-73721-3	320-74290-1	320-73649-3	320-74290-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**3,100 J**	**1,800**	<2.0 UJ	<2.0
PFMOAA	**3,400 J**	**4,700 J**	<2.0 UJ	<2.0 UJ
PFO2HxA	**2,200 J**	**1,500**	<2.0 UJ	<2.0
PFO3OA	**420 J**	**110**	<2.0 UJ	<2.0
PFO4DA	**170 J**	<59	<2.0 UJ	<2.0
PFO5DA	**18**	<78	<2.0 UJ	<2.0
PMPA	**1,800 J**	**2,900**	<10 UJ	**19**
PEPA	**570**	**390**	<20 UJ	<20
PS Acid	<2.0	<20	<2.0 UJ	<2.0
Hydro-PS Acid	**72 J**	<6.1	<2.0 UJ	<2.0
R-PSDA	**180**	<71	<2.0 UJ	<2.0
Hydrolyzed PSDA	**3.2**	<38	<2.0 UJ	<2.0
R-PSDCA	<2.0 UJ	<17	<2.0 UJ	<2.0
NVHOS	**52**	**130**	<2.0 UJ	<2.0
EVE Acid	<2.0	<17	<2.0 UJ	<2.0
Hydro-EVE Acid	**16 J**	<14	<2.0 UJ	<2.0
R-EVE	**130**	<72	<2.0 UJ	<2.0
PES	<2.0	<6.7	<2.0 UJ	<2.0
PFECA B	<2.0	<27	<2.0 UJ	<2.0
PFECA-G	<2.0	<48	<2.0 UJ	<2.0
Perfluoroheptanoic Acid	**12**	**240**	<2.0 UJ	**2.0**
Total Attachment C[2]	**12,000**	**11,000**	ND	**19**
Total Table 3+ (17 compounds)[3]	**12,000**	**12,000**	ND	**19**
Total Table 3+ (20 compounds)	**12,000**	**12,000**	ND	**19**

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits	Floodplain Deposits
Location ID	LTW-01	LTW-02	LTW-03	LTW-04
Field Sample ID	CAP0621-LTW-01-062321	CAP0621-LTW-02-062321	CAP0621-LTW-03-062421	CAP0621-LTW-04-062421
Sample Date	6/23/2021	6/23/2021	6/24/2021	6/24/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75559-1	320-75559-1	320-75554-1	320-75555-1
Lab Sample ID	320-75559-1	320-75559-2	320-75554-4	320-75555-1
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**20,000**	**6,700**	**11,000**	**20,000**
PFMOAA	**25,000**	**21,000**	**140,000**	**70,000**
PFO2HxA	**23,000**	**11,000**	**36,000**	**26,000**
PFO3OA	**4,700**	**2,300**	**6,100**	**5,100**
PFO4DA	**1,100**	**190**	**200**	**570**
PFO5DA	**240**	<78	<78	<78
PMPA	**21,000**	**5,300**	**14,000**	**20,000**
PEPA	**5,800**	**1,200**	**2,700**	**6,300**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**270**	<6.1	<6.1	**150**
R-PSDA	**740**	**290**	**800**	**2,000**
Hydrolyzed PSDA	**470**	**710**	**4,900**	**4,400**
R-PSDCA	<17	<17	<17	<17
NVHOS	**370**	**270**	**1,200**	**1,500**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**110**	<14	**54**	**540**
R-EVE	**590**	**240**	**580**	**2,400**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	<94	<94	<94	<94
Total Attachment C[2]	**100,000**	**48,000**	**210,000**	**150,000**
Total Table 3+ (17 compounds)[3]	**100,000**	**48,000**	**210,000**	**150,000**
Total Table 3+ (20 compounds)	**100,000**	**49,000**	**220,000**	**160,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits	Black Creek Aquifer
Location ID	LTW-05	PIW-1D	PIW-1S	PIW-3D
Field Sample ID	CAP0621-LTW-05-062221	CAP0621-PIW-1D-060321	CAP0621-PIW-1S-062221	CAP0621-PIW-3D-062321
Sample Date	6/22/2021	6/3/2021	6/22/2021	6/23/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75557-1	320-74737-1	320-75557-1	320-75559-1
Lab Sample ID	320-75557-4	320-74737-4	320-75557-3	320-75559-4
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**18,000**	**10,000**	**8,800**	**13,000**
PFMOAA	**140,000**	**19,000**	**1,500**	**4,600**
PFO2HxA	**41,000**	**12,000**	**6,100**	**8,600**
PFO3OA	**12,000**	**2,200**	**850**	**1,500**
PFO4DA	**2,500**	**300**	**280**	**780**
PFO5DA	<78	<78	**130**	**150**
PMPA	**5,300**	**10,000**	**8,900**	**11,000**
PEPA	**360**	**4,100**	**2,800**	**3,000**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**210**	<6.1	**130**	**140**
R-PSDA	**600**	**290**	**400**	**380**
Hydrolyzed PSDA	**1,200**	<38	<38	<38
R-PSDCA	**24**	<17	<17	<17
NVHOS	**1,400**	**180**	**56**	**190**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**950**	<14	<14	**45**
R-EVE	**830**	**190**	**370**	**240**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**340**	<94	<94	<94
Total Attachment C[2]	**220,000**	**58,000**	**29,000**	**43,000**
Total Table 3+ (17 compounds)[3]	**220,000**	**58,000**	**30,000**	**43,000**
Total Table 3+ (20 compounds)	**220,000**	**58,000**	**30,000**	**44,000**

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

Water Bearing Unit[1]	Black Creek Aquifer	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7D	PIW-7S	PW-04	PW-06[4]
Field Sample ID	CAP0621-PIW-7D-062421	CAP0621-PIW-7S-062421	CAP0621-PW-04-062121	CAP0621-PW-06-060321
Sample Date	6/24/2021	6/24/2021	6/21/2021	6/3/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75555-1	320-75555-1	320-75557-1	320-74737-1
Lab Sample ID	320-75555-3	320-75555-4	320-75557-1	320-74737-3
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**12,000**	**13,000**	**290**	**1,700**
PFMOAA	**130,000**	**14,000**	<80	**200 J**
PFO2HxA	**32,000**	**9,800**	**370**	**990**
PFO3OA	**4,800**	**3,800**	<39	<39
PFO4DA	**1,300**	**450**	**150**	<59
PFO5DA	<78	<78	<78	<78
PMPA	**3,500**	**11,000**	**1,300**	**1,900**
PEPA	**490**	**3,400**	<20	**650**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	**110**	**280**	**110**	<6.1
R-PSDA	**460**	**920**	<71	<71
Hydrolyzed PSDA	**780**	**72**	<38	<38
R-PSDCA	<17	<17	<17	<17
NVHOS	**910**	**640**	<15	<15
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	**360**	**460**	<14	<14
R-EVE	**720**	**1,400**	<72	<72
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	<94	<94	<94	<94
Total Attachment C[2]	**180,000**	**56,000**	**2,200**	**5,400**
Total Table 3+ (17 compounds)[3]	**190,000**	**57,000**	**2,200**	**5,400**
Total Table 3+ (20 compounds)	**190,000**	**59,000**	**2,200**	**5,400**

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-07	PW-09	PW-09	PZ-22
Field Sample ID	CAP0621-PW-07-062121	CAP0621-PW-09-062321	CAP0621-PW-09-062321-Z	CAP0621-PZ-22-062421
Sample Date	6/21/2021	6/23/2021	6/23/2021	6/24/2021
QA/QC				
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-75557-1	320-75554-1	320-75554-1	320-75555-1
Lab Sample ID	320-75557-2	320-75554-1	320-75554-2	320-75555-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	**460**	<81	<81	**12,000**
PFMOAA	**220**	<80	**170**	**160,000**
PFO2HxA	**520**	<27	<27	**37,000**
PFO3OA	<39	<39	<39	**3,600**
PFO4DA	<59	<59	<59	**150**
PFO5DA	<78	<78	<78	<78
PMPA	**1,300**	<620	<620	**5,200**
PEPA	<20	<20	<20	**860**
PS Acid	<20	<20	<20	<20
Hydro-PS Acid	<6.1	<6.1	<6.1	<6.1
R-PSDA	<71	<71	<71	**390**
Hydrolyzed PSDA	<38	<38	<38	**710**
R-PSDCA	<17	<17	<17	<17
NVHOS	<15	<15	<15	**1,100**
EVE Acid	<17	<17	<17	<17
Hydro-EVE Acid	<14	<14	<14	**58**
R-EVE	<72	<72	<72	**460**
PES	<6.7	<6.7	<6.7	<6.7
PFECA B	<27	<27	<27	<27
PFECA-G	<48	<48	<48	<48
Perfluoroheptanoic Acid	**96**	<94	<94	<94
Total Attachment C[2]	**2,500**	ND	**170**	**220,000**
Total Table 3+ (17 compounds)[3]	**2,500**	ND	**170**	**220,000**
Total Table 3+ (20 compounds)	**2,500**	ND	**170**	**220,000**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	SMW-10	SMW-10[4]	SMW-10	SMW-10[4]
Field Sample ID	CAP0621-SMW-10-060421	CAP0621-SMW-10-060421	CAP0621-SMW-10-060421-D	CAP0621-SMW-10-060421-D
Sample Date	6/4/2021	6/4/2021	6/4/2021	6/4/2021
QA/QC			Field Duplicate	Field Duplicate
Sample Matrix	LIQUID	LIQUID	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74747-1	320-74747-2	320-74747-1	320-74747-2
Lab Sample ID	320-74747-1	320-74747-1	320-74747-2	320-74747-2
Table 3+ SOP (ng/L)				
Hfpo Dimer Acid	<2.0	**2.1**	<81	**2.3 J**
PFMOAA	<2.0	**18 J**	<80	**16 J**
PFO2HxA	<2.0	**3.6 J**	<27	**3.9 J**
PFO3OA	<2.0	<2.0 UJ	<39	<2.0 UJ
PFO4DA	<2.0	<2.0 UJ	<59	<2.0 UJ
PFO5DA	<2.0	<2.0 UJ	<78	<2.0 UJ
PMPA	**1,200 J**	<10 UJ	**810 J**	<10 UJ
PEPA	<20	<20 UJ	<20	<20 UJ
PS Acid	<2.0	<2.0 UJ	<20	<2.0 UJ
Hydro-PS Acid	<2.0	<2.0 UJ	<6.1	<2.0 UJ
R-PSDA	<2.0	<2.0 UJ	<71	<2.0 UJ
Hydrolyzed PSDA	<2.0	<2.0 UJ	<38	<2.0 UJ
R-PSDCA	<2.0	<2.0 UJ	<17	<2.0 UJ
NVHOS	<2.0	<2.0 UJ	<15	<2.0 UJ
EVE Acid	<2.0	<2.0 UJ	<17	<2.0 UJ
Hydro-EVE Acid	<2.0	<2.0 UJ	<14	<2.0 UJ
R-EVE	<2.0	<2.0 UJ	<72	<2.0 UJ
PES	<2.0	<2.0 UJ	<6.7	<2.0 UJ
PFECA B	<2.0	<2.0 UJ	<27	<2.0 UJ
PFECA-G	<2.0	<2.0 UJ	<48	<2.0 UJ
Perfluoroheptanoic Acid	<2.0	<2.0 UJ	<94	<2.0 UJ
Total Attachment C[2]	**1,200**	**24**	**810**	**22**
Total Table 3+ (17 compounds)[3]	**1,200**	**24**	**810**	**22**
Total Table 3+ (20 compounds)	**1,200**	**24**	**810**	**22**

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer
Location ID	SMW-11	SMW-12
Field Sample ID	CAP0621-SMW-11-060421	CAP0621-SMW-12-062321
Sample Date	6/4/2021	6/23/2021
QA/QC		
Sample Matrix	LIQUID	LIQUID
Sample Delivery Group (SDG)	320-74737-1	320-75559-1
Lab Sample ID	320-74737-1	320-75559-3
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	**3,200**	**1,700**
PFMOAA	**3,800**	**4,400**
PFO2HxA	**2,900**	**1,600**
PFO3OA	**540**	<39
PFO4DA	**180**	<59
PFO5DA	<78	<78
PMPA	**2,500**	**3,100**
PEPA	**850**	<20
PS Acid	<20	<20
Hydro-PS Acid	**87**	<6.1
R-PSDA	<71	<71
Hydrolyzed PSDA	<38	<38
R-PSDCA	<17	<17
NVHOS	**62**	<15
EVE Acid	<17	<17
Hydro-EVE Acid	<14	<14
R-EVE	<72	<72
PES	<6.7	<6.7
PFECA B	<27	<27
PFECA-G	<48	<48
Perfluoroheptanoic Acid	<94	<94
Total Attachment C[2]	**14,000**	**11,000**
Total Table 3+ (17 compounds)[3]	**14,000**	**11,000**
Total Table 3+ (20 compounds)	**14,000**	**11,000**

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

Water Bearing Unit[1]	**--**	**--**
Location ID	**EB**	**EB**
Field Sample ID	**CAP0621-EQBLK-PP-060421**	**CAP0621-EQBLK-DV-062321**
Sample Date	**6/4/2021**	**6/23/2021**
QA/QC	**Equipment Blank**	**Equipment Blank**
Sample Matrix	**LIQUID**	**LIQUID**
Sample Delivery Group (SDG)	**320-74737-1**	**320-75554-1**
Lab Sample ID	**320-74737-2**	**320-75554-3**
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	<2.0	<2.0
PFMOAA	<2.0	<2.0
PFO2HxA	<2.0	<2.0
PFO3OA	<2.0	<2.0
PFO4DA	<2.0	<2.0
PFO5DA	<2.0	<2.0
PMPA	<10	<10
PEPA	<20	<20
PS Acid	<2.0	<2.0
Hydro-PS Acid	<2.0	<2.0
R-PSDA	<2.0	<2.0
Hydrolyzed PSDA	<2.0	<2.0
R-PSDCA	<2.0	<2.0
NVHOS	<2.0	<2.0
EVE Acid	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0
R-EVE	<2.0	<2.0
PES	<2.0	<2.0
PFECA B	<2.0	<2.0
PFECA-G	<2.0	<2.0
Perfluoroheptanoic Acid	<2.0	<2.0
Total Attachment C[2]	ND	ND
Total Table 3+ (17 compounds)[3]	ND	ND
Total Table 3+ (20 compounds)	ND	ND

Notes:
Bold - Analyte detected above associated reporting limit
B - analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ND - no Table 3+ analytes were detected above the associated reporting limits
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SDG - Sample Delivery Group
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
< - 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+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
4 - Samples collected from SMW-10 on May 21, 2021 and June 4, 2021 were reanalyzed using the low level Table 3+ sample preparation. Samples collected from PW-06 on May 10, 2021 and June 3, 2021 were reanalyzed using the low level Table 3+ sample preparation for PFMOAA only.

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Floodplain Deposits
Location ID	LTW-01	LTW-02	LTW-03
Field Sample ID	CAP0121-LTW-01-012821	CAP0121-LTW-02-012721	CAP0121-LTW-03-012821
Sample Date	1/28/2021	1/27/2021	1/28/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69612-2	320-69494-2	320-69612-2
Lab Sample ID	320-69612-3	320-69494-4	320-69612-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**140 J**	**54 J**	**140 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**26 J**	**8.8 J**	**17 J**
Perfluorononanoic Acid	**2.3 J**	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**380 J**	**220 J**	**770 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**53 J**	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	LTW-04	LTW-05	PIW-1D
Field Sample ID	CAP0121-LTW-04-011921	CAP0121-LTW-05-011921	CAP0121-PIW-1D-012721
Sample Date	1/19/2021	1/19/2021	1/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69119-2	320-69119-2	320-69492-2
Lab Sample ID	320-69119-1	320-69119-3	320-69492-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**400 J**	**150 J**	**60 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**41 J**	**41 J**	**11 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**1,500 J**	**1,200 J**	**150 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**9.1 J**	**2.8 J**	**8.8 J**

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

Water Bearing Unit[1]	Floodplain Deposits	Black Creek Aquifer	Black Creek Aquifer
Location ID	PIW-1S	PIW-3D	PIW-7D
Field Sample ID	CAP0121-PIW-1S-012721	CAP0121-PIW-3D-012921	CAP0121-PIW-7D-012721
Sample Date	1/27/2021	1/29/2021	1/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69492-2	320-69610-4	320-69492-2
Lab Sample ID	320-69492-1	320-69610-3	320-69492-4
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**42 J**	**66 J**	**120 J**
Perfluorodecanoic Acid	**2.2 J**	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**16 J**	**18 J**	**23 J**
Perfluorononanoic Acid	**7.2 J**	**4.8 J**	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**79 J**	**150 J**	**1,000 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**30 J**	**40 J**	**2.4 J**

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

Water Bearing Unit[1]	Floodplain Deposits	Surficial Aquifer	Surficial Aquifer
Location ID	PIW-7S	PW-04	PW-06
Field Sample ID	CAP0121-PIW-7S-012721	CAP0121-PW-04-011821	CAP0121-PW-06-011821
Sample Date	1/27/2021	1/18/2021	1/18/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69492-2	320-69182-2	320-69182-2
Lab Sample ID	320-69492-3	320-69182-1	320-69182-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**230 J**	**5.7 J**	**11 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**37 J**	**2.0 J**	**3.8 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**800 J**	**6.7 J**	**16 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**20 J**	**3.3 J**	**7.0 J**

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	Black Creek Aquifer
Location ID	PW-07	PW-09	PZ-22
Field Sample ID	CAP0121-PW-07-011821	CAP0121-PW-09-012721-Z	CAP0121-PZ-22-011921
Sample Date	1/18/2021	1/27/2021	1/19/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69182-2	320-69495-3	320-69119-2
Lab Sample ID	320-69182-3	320-69495-1	320-69119-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**22 J**	<5.0 UJ	**120 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**3.1 J**	**4.9 J**	**19 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**16 J**	<2.0 UJ	**930 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**4.1 J**	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	SMW-10	SMW-11	SMW-11
Field Sample ID	CAP0121-SMW-10-012821	CAP0121-SMW-11-011521	CAP0121-SMW-11-011521-D
Sample Date	1/28/2021	1/15/2021	1/15/2021
QA/QC			Field Duplicate
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69612-2	320-69118-2	320-69118-2
Lab Sample ID	320-69612-1	320-69118-1	320-69118-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**22 J**	**22 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**9.9 J**	**9.6 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	**34 J**	**33 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	**61 J**	**61 J**

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

Water Bearing Unit[1]	Black Creek Aquifer	--	--
Location ID	SMW-12	EB	EB
Field Sample ID	CAP0121-SMW-12-012921	CAP0121-EQBLK-PP-011521	CAP0121-EQBLK-PP-011821
Sample Date	1/29/2021	1/15/2021	1/18/2021
QA/QC		Equipment Blank	Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69610-4	320-69118-2	320-69182-2
Lab Sample ID	320-69610-2	320-69118-4	320-69182-5
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**17 J**	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**2.2 J**	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**53 J**	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	--	--	--
Location ID	EB	EB	EB
Field Sample ID	CAP0121-EQBLK-PP-011921	CAP0121-EQBLK-PP-012721	CAP0121-EQBLK-PP-012721-Z
Sample Date	1/19/2021	1/27/2021	1/27/2021
QA/QC	Equipment Blank	Equipment Blank	Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69119-2	320-69494-2	320-69494-2
Lab Sample ID	320-69119-5	320-69494-1	320-69494-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	--	--	--
Location ID	**EB**	**EB**	**EB**
Field Sample ID	**CAP0121-EQBLK-DV-012821**	**CAP0121-EQBLK-PP-012821**	**CAP0121-EQBLK-DV-012921**
Sample Date	**1/28/2021**	**1/28/2021**	**1/29/2021**
QA/QC	**Equipment Blank**	**Equipment Blank**	**Equipment Blank**
Sample Matrix	**Liquid**	**Liquid**	**Liquid**
Sample Delivery Group (SDG)	**320-69612-2**	**320-69612-2**	**320-69610-4**
Lab Sample ID	**320-69612-4**	**320-69612-6**	**320-69610-4**
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	--	--	--
Location ID	**EB**	**FBLK**	**FBLK**
Field Sample ID	**CAP0121-EQBLK-PP-012921**	**CAP0121-FBLK-011521**	**CAP0121-FBLK-011821**
Sample Date	**1/29/2021**	**1/15/2021**	**1/18/2021**
QA/QC	**Equipment Blank**	**Field Blank**	**Field Blank**
Sample Matrix	**Liquid**	**Liquid**	**Liquid**
Sample Delivery Group (SDG)	**320-69610-4**	**320-69118-2**	**320-69182-2**
Lab Sample ID	**320-69610-6**	**320-69118-3**	**320-69182-4**
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	--	--	--
Location ID	**FBLK**	**FBLK**	**FBLK**
Field Sample ID	**CAP0121-FBLK-011921**	**CAP0121-FBLK-012721**	**CAP0121-FBLK-012821**
Sample Date	**1/19/2021**	**1/27/2021**	**1/28/2021**
QA/QC	**Field Blank**	**Field Blank**	**Field Blank**
Sample Matrix	**Liquid**	**Liquid**	**Liquid**
Sample Delivery Group (SDG)	**320-69119-2**	**320-69494-2**	**320-69612-2**
Lab Sample ID	**320-69119-4**	**320-69494-3**	**320-69612-5**
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	<5.0 UJ	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	--	Floodplain Deposits	Black Creek Aquifer
Location ID	FBLK	LTW-01	LTW-02
Field Sample ID	CAP0121-FBLK-012921	CAP0421-LTW-01-043021	CAP0421-LTW-02-042921
Sample Date	1/29/2021	4/30/2021	4/29/2021
QA/QC	Field Blank		
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-69610-4	320-73333-2	320-73333-2
Lab Sample ID	320-69610-5	320-73333-1	320-73333-2
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**120 J**	**42 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**25 J**	**6.1 J**
Perfluorononanoic Acid	<2.0 UJ	**2.3 J**	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	**310 J**	**180 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	**49 J**	<2.0 UJ

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

Water Bearing Unit[1]	Floodplain Deposits	Floodplain Deposits	Black Creek Aquifer
Location ID	LTW-03	LTW-04	LTW-05
Field Sample ID	CAP0421-LTW-03-042221	CAP0421-LTW-04-042221	CAP0421-LTW-05-042721
Sample Date	4/22/2021	4/22/2021	4/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72908-3	320-72908-3	320-73105-2
Lab Sample ID	320-72908-1	320-72908-2	320-73105-1
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**130 J**	**390 J**	**180 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**15 J**	**39 J**	**51 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**690 J**	**1,500 J**	**1,500 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	**8.0 J**	**2.9 J**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	LTW-05	PIW-1D	PIW-1S
Field Sample ID	CAP0421-LTW-05-042721-D	CAP0421-PIW-1D-041621	CAP0421-PIW-1S-041621
Sample Date	4/27/2021	4/16/2021	4/16/2021
QA/QC	Field Duplicate		
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-73105-2	320-72751-2	320-72751-2
Lab Sample ID	320-73105-2	320-72751-2	320-72751-1
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**170 J**	**57 J**	**35 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	**2.7 J**
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**52 J**	**11 J**	**11 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	**8.2 J**
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**1,500 J**	**150 J**	**51 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**3.4 J**	**5.6 J**	**35 J**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Floodplain Deposits
Location ID	PIW-3D	PIW-7D	PIW-7S
Field Sample ID	CAP0421-PIW-3D-042921	CAP0421-PIW-7D-042221	CAP0421-PIW-7S-042221
Sample Date	4/29/2021	4/22/2021	4/22/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-73333-2	320-72908-3	320-72908-3
Lab Sample ID	320-73333-3	320-72908-4	320-72908-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**61 J**	**160 J**	**190 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**18 J**	**31 J**	**33 J**
Perfluorononanoic Acid	**4.2 J**	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**120 J**	**1,200 J**	**620 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**35 J**	**2.6 J**	**20 J**

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

Water Bearing Unit[1]	Surficial Aquifer	Surficial Aquifer	Surficial Aquifer
Location ID	PW-04	PW-06	PW-07
Field Sample ID	CAP0421-PW-04-041421	CAP0421-PW-06-041421	CAP0421-PW-07-041421
Sample Date	4/14/2021	4/14/2021	4/14/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72547-2	320-72547-2	320-72547-2
Lab Sample ID	320-72547-1	320-72547-2	320-72547-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**6.7 J**	**11 J**	**19 J**
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**4.0 J**	**2.5 J**
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**6.6 J**	**15 J**	**13 J**
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**3.6 J**	**6.7 J**	**4.3 J**

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

Water Bearing Unit[1]	Black Creek Aquifer	Black Creek Aquifer	Surficial Aquifer
Location ID	PW-09	PZ-22	SMW-10
Field Sample ID	CAP0421-PW-09-041321	CAP0421-PZ-22-042221	CAP0421-SMW-10-042721
Sample Date	4/13/2021	4/22/2021	4/27/2021
QA/QC			
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72480-2	320-72908-3	320-73105-2
Lab Sample ID	320-72480-1	320-72908-5	320-73105-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	<5.0 UJ	**100 J**	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ	**14 J**	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ	**880 J**	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	<2.0 UJ	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	Surficial Aquifer	Black Creek Aquifer	--
Location ID	SMW-11	SMW-12	EB
Field Sample ID	CAP0421-SMW-11-041321	CAP0421-SMW-12-041421	CAP0421-EQBLK-PP-041321
Sample Date	4/13/2021	4/15/2021	4/13/2021
QA/QC			Equipment Blank
Sample Matrix	Liquid	Liquid	Liquid
Sample Delivery Group (SDG)	320-72480-2	320-72547-2	320-72480-2
Lab Sample ID	320-72480-2	320-72547-4	320-72480-3
Other PFAS Compounds (ng/L)			
Perfluorobutanoic Acid	**19 J**	**17 J**	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorohexanoic Acid	**7.7 J**	**2.2 J**	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoropentanoic Acid	**27 J**	**53 J**	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ	<2.0 UJ	<2.0 UJ
PFOA	**81 J**	<2.0 UJ	<2.0 UJ

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

Water Bearing Unit[1]	**--**
Location ID	**EB**
Field Sample ID	**CAP0421-EQBLK-DV-041421**
Sample Date	**4/15/2021**
QA/QC	**Equipment Blank**
Sample Matrix	**Liquid**
Sample Delivery Group (SDG)	**320-72547-2**
Lab Sample ID	**320-72547-5**
Other PFAS Compounds (ng/L)	
Perfluorobutanoic Acid	<5.0 UJ
Perfluorodecanoic Acid	<2.0 UJ
Perfluorododecanoic Acid	<2.0 UJ
Perfluorohexadecanoic Acid	<2.0 UJ
Perfluorohexanoic Acid	<2.0 UJ
Perfluorononanoic Acid	<2.0 UJ
Perfluorooctadecanoic acid	<2.0 UJ
Perfluoropentanoic Acid	<2.0 UJ
Perfluorotetradecanoic Acid	<2.0 UJ
Perfluorotridecanoic Acid	<2.0 UJ
Perfluoroundecanoic Acid	<2.0 UJ
PFOA	<2.0 UJ

Notes:

Bold - Analyte detected above associated reporting limit
B - analyte detected in an associated blank
EPA - Environmental Protection Agency
J - Analyte detected. Reported value may not be accurate or precise
ND - no Table 3+ analytes were detected above the associated reporting limits
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SDG - Sample Delivery Group
SOP - standard operating procedure

TABLE A6
GROUNDWATER ELEVATIONS - Q2 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	BCA-01	8-Apr-21	399779.96	2050662.48	91 - 101	146.25	58.98	87.27
Onsite	Black Creek Aquifer	BCA-02	8-Apr-21	396242.02	2051062.07	92 - 102	148.37	72.31	76.06
Onsite	Black Creek Aquifer	BCA-03R	8-Apr-21	398582.23	2049522.22	88 - 98	150.82	47.95	102.87
Onsite	Black Creek Aquifer	BCA-04	8-Apr-21	395877.665	2047823.03	94 - 104	150.31	24.82	125.49
Onsite	Black Creek Aquifer	EW-1	8-Apr-21	399934.65	2051297.51	40-60	91.33	30.92	60.41
Onsite	Black Creek Aquifer	EW-2	8-Apr-21	396164.48	2052232.61	40-65	77.25	32.29	44.96
Onsite	Black Creek Aquifer	EW-3	8-Apr-21	395059.78	2052214.66	37-67	76.48	13.71	62.77
Onsite	Black Creek Aquifer	EW-4	8-Apr-21	398581.51	2051805.58	53-73	80.64	29.9	50.74
Onsite	Black Creek Aquifer	EW-5	8-Apr-21	397200.16	2052052.65	37-67	78.50	34.05	44.45
Onsite	Perched Zone	FTA-01	8-Apr-21	397906.09	2049370.01	12.0-22.0	149.60	16.11	133.49
Onsite	Perched Zone	FTA-02	8-Apr-21	397784.99	2049203.29	11.5-22.0	149.30	17.37	131.93
Onsite	Perched Zone	FTA-03	8-Apr-21	397766.23	2049310.46	12.0-22.0	150.10	17.31	132.79
Onsite	Surficial Aquifer	INSITU-01	8-Apr-21	401657.39	2046078.99	7.0-17.0	89.12	4.46	84.66
Onsite	Surficial Aquifer	INSITU-02	8-Apr-21	401863.46	2049136.62	7.0-17.0	113.12	Dry	--
Onsite	Floodplain Deposits	LTW-01	8-Apr-21	399565.01	2052150.62	11.0-26.0	52.71	15.26	37.45
Onsite	Black Creek Aquifer	LTW-02	8-Apr-21	398847.57	2052355.48	28.0-38.0	51.39	9.34	42.05
Onsite	Floodplain Deposits	LTW-03	8-Apr-21	398114.45	2052558.35	15.0-30.0	51.75	11.92	39.83
Onsite	Floodplain Deposits	LTW-04	8-Apr-21	397279.61	2052584.95	12.0-27.0	50.66	9.42	41.24
Onsite	Black Creek Aquifer	LTW-05	8-Apr-21	396430.31	2052740.4	29.0-44.0	50.94	9.55	41.39
Onsite	Perched Zone	MW-11	8-Apr-21	396544.4	2049051.06	11.5-21.5	148.53	23.47	125.06
Onsite	Perched Zone	MW-12S	8-Apr-21	397262.9	2049269.37	17.5-22.5	151.08	19.45	131.63
Onsite	Surficial Aquifer	MW-13D	8-Apr-21	397119.015	2049821.123	57 - 67	148.65	43.17	105.48
Onsite	Surficial Aquifer	MW-14D	8-Apr-21	396974.485	2049074.561	62 - 72	149.73	37.69	112.04
Onsite	Surficial Aquifer	MW-15DRR	8-Apr-21	398580.71	2049511.75	52.5 - 62.5	150.92	46.34	104.58
Onsite	Surficial Aquifer	MW-16D	8-Apr-21	398493.703	2048402.838	72 - 82	148.41	33.32	115.09
Onsite	Surficial Aquifer	MW-17D	8-Apr-21	398401.741	2047366.496	57 - 67	146.12	25.32	120.8
Onsite	Surficial Aquifer	MW-18D	8-Apr-21	400947.3	2046574.35	50 - 60	108.10	17.35	90.75
Onsite	Surficial Aquifer	MW-19D	8-Apr-21	401151.43	2048272.93	46 - 56	139.36	48.21	91.15
Onsite	Perched Zone	MW-1S	8-Apr-21	397080.69	2049117.99	21.0-24.0	148.88	18.48	130.4
Onsite	Surficial Aquifer	MW-20D	8-Apr-21	400791.01	2048733.71	65 - 75	137.20	44.75	92.45
Onsite	Surficial Aquifer	MW-21D	8-Apr-21	399501.88	2047074.92	72 - 82	151.42	41.51	109.91
Onsite	Surficial Aquifer	MW-22D	8-Apr-21	398518.4	2048362.48	52 - 72	149.09	33.22	115.87
Onsite	Perched Zone	MW-23	8-Apr-21	396237.61	2051063.25	9.5 -14.5	148.34	13.91	134.43
Onsite	Perched Zone	MW-24	8-Apr-21	397303.94	2048767.69	18.8 - 23.8	150.31	21.06	129.25
Onsite	Perched Zone	MW-25	8-Apr-21	396753.37	2050989.82	12 - 17	147.59	13.29	134.3
Onsite	Perched Zone	MW-26	8-Apr-21	396265.18	2051484.67	5 - 10	147.70	11.28	136.42
Onsite	Perched Zone	MW-27	8-Apr-21	396010.33	2051472	10 - 15	146.83	14.71	132.12
Onsite	Perched Zone	MW-28	8-Apr-21	395719.79	2051165.93	9 - 14	144.70	14.15	130.55
Onsite	Perched Zone	MW-30	8-Apr-21	397340.79	2050776.09	10 - 15	147.67	12.47	135.2
Onsite	Perched Zone	MW-31	8-Apr-21	396390.698	2049622.884	17-22	147.70	16.06	131.64
Onsite	Perched Zone	MW-32	8-Apr-21	396359.577	2049651.789	13-18.5	147.11	15.03	132.08
Onsite	Perched Zone	MW-33	8-Apr-21	396337.507	2049678.558	12-17	146.82	14.51	132.31
Onsite	Perched Zone	MW-34	8-Apr-21	396352.902	2049619.086	17-22	147.97	16	131.97

TABLE A6
GROUNDWATER ELEVATIONS - Q2 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	MW-35	8-Apr-21	396332.943	2049631.155	14-19	147.54	15.48	132.06
Onsite	Perched Zone	MW-36	8-Apr-21	396320.088	2049651.174	12-17	147.89	15.77	132.12
Onsite	Perched Zone	MW-7S	8-Apr-21	397444.5245	2049809.731	NA	147.47	9.71	137.76
Onsite	Perched Zone	MW-8S	8-Apr-21	397096.4767	2049867.768	NA	146.48	Collapsed or filled well	--
Onsite	Perched Zone	MW-9S	8-Apr-21	396760.1617	2049734.296	17.5-22.5	154.39	20.75	133.64
Onsite	Perched Zone	NAF-01	8-Apr-21	398348.58	2050339.68	5.0-15.0	148.65	7.41	141.24
Onsite	Perched Zone	NAF-02	8-Apr-21	398660.16	2050634.55	5.0-15.0	149.28	8.24	141.04
Onsite	Perched Zone	NAF-03	8-Apr-21	398578.63	2050743.04	5.0-15.0	149.41	8.66	140.75
Onsite	Perched Zone	NAF-04	8-Apr-21	398445.89	2050713.13	5.0-15.0	146.77	5.65	141.12
Onsite	Perched Zone	NAF-06	8-Apr-21	398808.81	2050913.93	2.75-12.75	145.43	11.4	134.03
Onsite	Perched Zone	NAF-07	8-Apr-21	398898.69	2050618.12	5.5-15.5	149.03	8.34	140.69
Onsite	Perched Zone	NAF-08A	8-Apr-21	398098.22	2050886.93	5.0-15.0	147.74	7.68	140.06
Onsite	Surficial Aquifer	NAF-08B	8-Apr-21	398095.97	2050880.18	43.5-53.5	147.83	53.06	94.77
Onsite	Perched Zone	NAF-09	8-Apr-21	397708.78	2050807.44	7.0-17.0	148.62	11.1	137.52
Onsite	Perched Zone	NAF-10	8-Apr-21	397611.81	2050425.2	8.25-18.25	149.25	10.8	138.45
Onsite	Perched Zone	NAF-11A	8-Apr-21	398907.08	2050999.77	2.5-7.5	139.74	3.9	135.84
Onsite	Surficial Aquifer	NAF-11B	8-Apr-21	398911.13	2050995.88	33.5-43.5	140.74	46.25	94.49
Onsite	Perched Zone	NAF-12	8-Apr-21	398270.555	2050777.49	18 - 23	145.79	5.11	140.68
Onsite	Black Creek Aquifer	OW-1	8-Apr-21	399930.53	2051287.87	40-50	95.01	34.42	60.59
Onsite	Black Creek Aquifer	OW-10	8-Apr-21	399948.17	2051291.21	40-50	94.39	33.72	60.67
Onsite	Black Creek Aquifer	OW-2	8-Apr-21	398572.28	2051801.62	63-73	84.37	33.91	50.46
Onsite	Black Creek Aquifer	OW-3	8-Apr-21	398601.08	2051812.32	63-73	84.64	34.4	50.24
Onsite	Black Creek Aquifer	OW-4	8-Apr-21	395049.16	2052210.81	47-57	80.85	18.08	62.77
Onsite	Black Creek Aquifer	OW-5	8-Apr-21	395070.03	2052196.97	54-64	81.61	18.67	62.94
Onsite	Black Creek Aquifer	OW-6	8-Apr-21	396168.41	2052223.54	50-60	80.53	37.96	42.57
Onsite	Black Creek Aquifer	OW-7	8-Apr-21	397180.06	2052052.69	57-67	81.45	37.07	44.38
Onsite	Black Creek Aquifer	OW-8	8-Apr-21	397202.33	2052041.98	57-67	82.30	38.68	43.62
Onsite	Black Creek Aquifer	OW-9	8-Apr-21	395075.14	2052211.07	54-64	79.78	16.88	62.9
Onsite	Black Creek Aquifer	PIW-10DR	8-Apr-21	395093.99	2052297.3	53 - 58	75.91	13.03	62.88
Onsite	Surficial Aquifer	PIW-10S	8-Apr-21	395104.95	2052296.98	7 - 17	76.32	18.57	57.75
Onsite	Black Creek Aquifer	PIW-11	8-Apr-21	401911.03	2050416.29	47-57	67.02	21.13	45.89
Onsite	Black Creek Aquifer	PIW-12	8-Apr-21	401703.1	2051025.77	64-74	83.78	47.9	35.88
Onsite	Black Creek Aquifer	PIW-13	8-Apr-21	401464.29	2051122.6	54-64	83.18	46.39	36.79
Onsite	Black Creek Aquifer	PIW-14	8-Apr-21	401163.98	2051186.57	56-66	87.43	49.78	37.65
Onsite	Black Creek Aquifer	PIW-15	8-Apr-21	400706.51	2051532.8	34-44	67.85	32.45	35.4
Onsite	Black Creek Aquifer	PIW-16D	8-Apr-21	396257.96	2046587.07	90-100	150.06	16.85	133.21
Onsite	Surficial Aquifer	PIW-16S	8-Apr-21	396267.84	2046586.09	35-45	149.74	12.95	136.79
Onsite	Black Creek Aquifer	PIW-1D	8-Apr-21	400548	2051801.28	24.5 - 29.5	52.16	16.2	35.96
Onsite	Floodplain Deposits	PIW-1S	8-Apr-21	400541.03	2051792.39	7.8 - 17.8	54.04	19.51	34.53
Onsite	Black Creek Aquifer	PIW-2D	8-Apr-21	399925.4	2051315.8	40 - 50	96.19	35.68	60.51
Onsite	Black Creek Aquifer	PIW-3D	8-Apr-21	399711.25	2052086.94	19 - 24	53.42	15.9	37.52
Onsite	Black Creek Aquifer	PIW-4D	8-Apr-21	398816.52	2052101.94	32.3 - 37.3	52.85	10.38	42.47
Onsite	Surficial Aquifer	PIW-5S	8-Apr-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.15	61.87

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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Floodplain Deposits	PIW-6S	8-Apr-21	398117.93	2052539.79	18 - 28	53.40	13.49	39.91
Onsite	Black Creek Aquifer	PIW-7D	8-Apr-21	396787.77	2052595.65	29 - 34	48.93	6.3	42.63
Onsite	Floodplain Deposits	PIW-7S	8-Apr-21	396786.97	2052589.1	7 - 17	47.97	5.81	42.16
Onsite	Black Creek Aquifer	PIW-8D	8-Apr-21	396403.37	2052682.1	35.5 - 40	48.66	7.2	41.46
Onsite	Black Creek Aquifer	PIW-9D	8-Apr-21	396155.84	2052250.84	40 - 45	79.64	37.45	42.19
Onsite	Surficial Aquifer	PIW-9S	8-Apr-21	396148.52	2052251.03	24.8 - 29.8	79.64	27.67	51.97
Onsite	Perched Zone	PW-01	8-Apr-21	399064.799	2049654.303	11 - 21	149.55	13.71	135.84
Onsite	Surficial Aquifer	PW-02	8-Apr-21	399779.064	2050649.466	50 - 60	146.43	53.85	92.58
Onsite	Surficial Aquifer	PW-03	8-Apr-21	397339.809	2050765.319	35 - 45	147.97	41.35	106.62
Onsite	Surficial Aquifer	PW-04	8-Apr-21	394659.549	2050940.657	17 - 27	97.75	23.05	74.7
Onsite	Surficial Aquifer	PW-05	8-Apr-21	395873.1	2047812.929	65 - 75	150.34	25.21	125.13
Onsite	Surficial Aquifer	PW-06	8-Apr-21	392868	2045288.765	19 - 29	147.69	18.15	129.54
Onsite	Surficial Aquifer	PW-07	8-Apr-21	390847.706	2049258.256	28 - 38	148.16	28.37	119.79
Onsite	Black Creek Aquifer	PW-09	8-Apr-21	402000.079	2048979.111	44 - 54	72.93	24.3	48.62
Onsite	Black Creek Aquifer	PW-10R	8-Apr-21	398516.115	2051936.585	57 - 67	75.90	26.61	49.29
Onsite	Black Creek Aquifer	PW-11	8-Apr-21	394354.363	2052226.721	53 - 63	73.26	29.7	43.56
Onsite	Black Creek Aquifer	PW-12	8-Apr-21	399500.447	2047063.51	109 - 119	150.61	55.05	95.56
Onsite	Black Creek Aquifer	PW-13	8-Apr-21	397584.263	2048029.184	120 - 130	149.36	29.33	120.03
Onsite	Black Creek Aquifer	PW-14	8-Apr-21	397325.648	2050766.359	136 - 146	147.97	59.8	88.17
Onsite	Black Creek Aquifer	PW-15R	8-Apr-21	398900.875	2051011.753	110 - 120	136.14	59.96	76.18
Onsite	Perched Zone	PZ-11	8-Apr-21	398646.2549	2049820.937	15-20	151.03	8.89	142.14
Onsite	Perched Zone	PZ-12	8-Apr-21	399091.19	2048978.89	15.1-20.1	149.89	18.92	130.97
Onsite	Perched Zone	PZ-13	8-Apr-21	397707.82	2050985.25	7.1-12.1	148.14	10.58	137.56
Onsite	Perched Zone	PZ-14	8-Apr-21	397589.9185	2050618.271	9.0-14.0	148.38	9.63	138.75
Onsite	Perched Zone	PZ-15	8-Apr-21	396806.39	2050107.5	10.2-15.2	147.76	12.94	134.82
Onsite	Perched Zone	PZ-17	8-Apr-21	396614.815	2048872.689	21.1-26.1	150.08	28.23	121.85
Onsite	Perched Zone	PZ-19R	8-Apr-21	397998.663	2049919.516	16-21	150.05	12.07	137.98
Onsite	Perched Zone	PZ-20R	8-Apr-21	398185.809	2049784.598	15-20	151.29	11.46	139.83
Onsite	Perched Zone	PZ-21R	8-Apr-21	398445.157	2049883.125	17-22	150.67	11.6	139.07
Onsite	Black Creek Aquifer	PZ-22	8-Apr-21	397271.94	2052585.34	42.5-47.5	50.70	9.31	41.39
Onsite	Perched Zone	PZ-24	8-Apr-21	396117.94	2050744.07	11 - 16	147.53	14.09	133.44
Onsite	Perched Zone	PZ-25R	8-Apr-21	395971.54	2050748.23	6 to 16	147.51	Dry	--
Onsite	Perched Zone	PZ-26	8-Apr-21	396059.78	2050382.35	11 - 16	147.70	12.05	135.65
Onsite	Perched Zone	PZ-27	8-Apr-21	395922.11	2050376.76	12 - 17	147.17	14.2	132.97
Onsite	Perched Zone	PZ-28	8-Apr-21	396304.55	2049933.79	13 - 18	148.64	13.08	135.56
Onsite	Perched Zone	PZ-29	8-Apr-21	396377.59	2049771.59	12 - 18	147.74	14.66	133.08
Onsite	Perched Zone	PZ-31	8-Apr-21	396428.73	2049594.355	14 - 19	148.00	18.06	129.94
Onsite	Perched Zone	PZ-32	8-Apr-21	396418.471	2049713.787	13 - 18	148.47	15.51	132.96
Onsite	Perched Zone	PZ-33	8-Apr-21	396308.915	2049707.661	12.5-17.5	146.72	14.2	132.51
Onsite	Perched Zone	PZ-34	8-Apr-21	396292.05	2049595.039	13.5-18.5	147.70	16	131.7
Onsite	Perched Zone	PZ-35	8-Apr-21	398232.643	2050020.494	13 - 18	150.43	11.37	139.06
Onsite	Perched Zone	PZ-36	8-Apr-21	396086.17	2051331.44	5 - 8.5	135.20	2.64	132.56
Onsite	Perched Zone	PZ-37	8-Apr-21	396042.4	2051050.05	5 - 8	135.56	2.68	132.88

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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	PZ-38	8-Apr-21	395970.01	2050569.66	5 - 9	137.34	Dry	--
Onsite	Perched Zone	PZ-39	8-Apr-21	395921.87	2050238.18	5 - 10	137.93	3.64	134.29
Onsite	Perched Zone	PZ-40	8-Apr-21	395943.02	2050031.9	5 - 9	138.51	4.05	134.46
Onsite	Perched Zone	PZ-41	8-Apr-21	395979.29	2050048.97	5 - 8.5	138.13	3.21	134.92
Onsite	Perched Zone	PZ-42	8-Apr-21	395961.73	2050230.23	3 - 7	138.17	3.43	134.74
Onsite	Perched Zone	PZ-43	8-Apr-21	396011.61	2050567.89	5 - 9	137.06	6.46	130.6
Onsite	Perched Zone	PZ-44	8-Apr-21	396082.75	2051045.25	5 - 7	136.26	2.98	133.28
Onsite	Perched Zone	PZ-45	8-Apr-21	396124.41	2051323.03	2 - 4	135.69	2.48	133.21
Onsite	Surficial Aquifer	PZ-L	8-Apr-21	396745.804	2048684.008	13-28	147.86	30.04	117.82
Onsite	Surficial Aquifer	SMW-01	8-Apr-21	395297.97	2043688.29	5.0-15.0	150.58	11.31	139.27
Onsite	Perched Zone	SMW-02	8-Apr-21	399982.23	2050655.91	5.0-20.0	144.59	11.75	132.84
Onsite	Surficial Aquifer	SMW-02B	8-Apr-21	399983.75	2050654.77	43.0-53.0	147.93	54.65	93.28
Onsite	Perched Zone	SMW-03	8-Apr-21	399779.32	2049445.32	10.0-20.0	151.09	Dry	--
Onsite	Black Creek Aquifer	SMW-03B	8-Apr-21	399785.752	2049421.539	72 - 82	150.43	53.55	96.88
Onsite	Perched Zone	SMW-04A	8-Apr-21	399668.71	2048387.57	19.5-34.5	148.09	36.74	111.35
Onsite	Surficial Aquifer	SMW-04B	8-Apr-21	399666.21	2048392.37	43.0-53.0	147.65	42.36	105.29
Onsite	Perched Zone	SMW-05	8-Apr-21	399334.0651	2048557.335	10.0-20.0	148.10	22.9	125.2
Onsite	Surficial Aquifer	SMW-05P	8-Apr-21	399391.46	2049235.07	45.0-60.0	149.66	41.45	108.21
Onsite	Perched Zone	SMW-06	8-Apr-21	399172.346	2048759.478	12.0-22.0	150.97	Dry	--
Onsite	Surficial Aquifer	SMW-06B	8-Apr-21	399144.744	2048764.939	58 - 68	150.32	44.87	105.45
Onsite	Perched Zone	SMW-07	8-Apr-21	398931.13	2048611.74	13.0-23.0	146.79	19.32	127.47
Onsite	Perched Zone	SMW-08	8-Apr-21	399064.972	2048468.783	21.0-31.0	151.02	Dry	--
Onsite	Surficial Aquifer	SMW-08B	8-Apr-21	399058.325	2048478.84	58 - 68	148.81	38.35	110.46
Onsite	Surficial Aquifer	SMW-09	8-Apr-21	401076.889	2050017.409	52 - 62	141.43	52.88	88.55
Onsite	Surficial Aquifer	SMW-10	8-Apr-21	402307.305	2047923.84	39 - 49	76.26	28.8	47.46
Onsite	Surficial Aquifer	SMW-11	8-Apr-21	401996.154	2048975.382	13 - 23	71.95	11.74	60.21
Onsite	Black Creek Aquifer	SMW-12	8-Apr-21	401314.202	2051007.222	88 - 98	118.22	81.55	36.67
Offsite	Black Creek Aquifer	Bladen-1D	8-Apr-21	387522.245	2050247.399	37 - 47	76.96	19.35	57.61
Offsite	Surficial Aquifer	Bladen-1S	8-Apr-21	387518.967	2050233.347	5 - 10	76.74	9.86	66.88
Offsite	Black Creek Aquifer	Bladen-2D	8-Apr-21	368827.094	2042878.344	70 - 75	138.27	16.19	122.08
Offsite	Surficial Aquifer	Bladen-2S	8-Apr-21	368821.463	2042882.917	10 - 20	138.04	3.9	134.14
Offsite	Black Creek Aquifer	Bladen-3D	8-Apr-21	396856.978	2059006.562	33.75 - 43.75	75.52	8.61	66.91
Offsite	Surficial Aquifer	Bladen-3S	8-Apr-21	396862.307	2059012.932	5 - 15	74.27	7.89	66.38
Offsite	Black Creek Aquifer	Bladen-4D	8-Apr-21	363255.115	2087636.869	46.75 - 51.75	59.66	0.36	59.3
Offsite	Surficial Aquifer	Bladen-4S	8-Apr-21	363263.191	2087637.461	4.75 - 14.75	59.68	5.12	54.56
Offsite	Black Creek Aquifer	Cumberland-1D	8-Apr-21	431459.947	2011071.39	40 - 50	174.60	1.87	172.73
Offsite	Surficial Aquifer	Cumberland-1S	8-Apr-21	431459.947	2011071.39	15 - 25	174.73	1.93	172.8
Offsite	Black Creek Aquifer	Cumberland-2D	8-Apr-21	449987.54	2074019.139	47 - 57	129.23	2.81	126.42
Offsite	Surficial Aquifer	Cumberland-2S	8-Apr-21	449979.1	2074020.858	7 - 17	129.06	2.7	126.36
Offsite	Black Creek Aquifer	Cumberland-3D	8-Apr-21	423248.115	2060409.157	22 - 27	78.79	6.36	72.43
Offsite	Surficial Aquifer	Cumberland-3S	8-Apr-21	423254.641	2060413.302	9 - 14	79.06	6.3	72.76
Offsite	Black Creek Aquifer	Cumberland-4D	8-Apr-21	413095.774	2078249.953	57 - 67	119.22	10.97	108.25
Offsite	Surficial Aquifer	Cumberland-4S	8-Apr-21	413086.626	2078255.528	10 - 20	119.36	6.17	113.19

TABLE A6
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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Offsite	Black Creek Aquifer	Cumberland-5D	8-Apr-21	405619.17	2138238.586	52 - 57	106.67	6.39	100.28
Offsite	Surficial Aquifer	Cumberland-5S	8-Apr-21	405623.274	2138233.369	14 - 24	106.65	1.38	105.27
Offsite	Black Creek Aquifer	Robeson-1D	8-Apr-21	381416.282	2020158.933	42.75 - 52.75	156.36	8.95	147.41
Offsite	Surficial Aquifer	Robeson-1S	8-Apr-21	381408.19	2020156.855	17 - 27	156.66	5.84	150.82
Onsite	Black Creek Aquifer	BCA-01	3-May-21	399779.96	2050662.48	91 - 101	146.25	59.31	86.94
Onsite	Black Creek Aquifer	BCA-02	3-May-21	396242.02	2051062.07	92 - 102	148.37	72.46	75.91
Onsite	Black Creek Aquifer	BCA-03R	3-May-21	398582.23	2049522.22	88 - 98	150.82	47.78	103.04
Onsite	Black Creek Aquifer	BCA-04	3-May-21	395877.665	2047823.03	94 - 104	150.31	25.33	124.98
Onsite	Black Creek Aquifer	EW-1	3-May-21	399934.65	2051297.51	40-60	91.33	30.96	60.37
Onsite	Black Creek Aquifer	EW-2	3-May-21	396164.48	2052232.61	40-65	77.25	33.25	44
Onsite	Black Creek Aquifer	EW-3	3-May-21	395059.78	2052214.66	37-67	76.48	13.97	62.51
Onsite	Black Creek Aquifer	EW-4	3-May-21	398581.51	2051805.58	53-73	80.64	31.04	49.6
Onsite	Black Creek Aquifer	EW-5	3-May-21	397200.16	2052052.65	37-67	78.50	35.51	42.99
Onsite	Perched Zone	FTA-01	3-May-21	397906.09	2049370.01	12.0-22.0	149.60	16.52	133.08
Onsite	Perched Zone	FTA-02	3-May-21	397784.99	2049203.29	11.5-22.0	149.30	17.54	131.76
Onsite	Perched Zone	FTA-03	3-May-21	397766.23	2049310.46	12.0-22.0	150.10	17.55	132.55
Onsite	Surficial Aquifer	INSITU-01	3-May-21	401657.39	2046078.99	7.0-17.0	89.12	4.92	84.2
Onsite	Surficial Aquifer	INSITU-02	3-May-21	401863.46	2049136.62	7.0-17.0	113.12	Dry	--
Onsite	Floodplain Deposits	LTW-01	3-May-21	399565.01	2052150.62	11.0-26.0	52.71	15.88	36.83
Onsite	Black Creek Aquifer	LTW-02	3-May-21	398847.57	2052355.48	28.0-38.0	51.39	9.33	42.06
Onsite	Floodplain Deposits	LTW-03	3-May-21	398114.45	2052558.35	15.0-30.0	51.75	13.13	38.62
Onsite	Floodplain Deposits	LTW-04	3-May-21	397279.61	2052584.95	12.0-27.0	50.66	10.7	39.96
Onsite	Black Creek Aquifer	LTW-05	3-May-21	396430.31	2052740.4	29.0-44.0	50.94	10.51	40.43
Onsite	Perched Zone	MW-11	3-May-21	396544.4	2049051.06	11.5-21.5	148.53	23.4	125.13
Onsite	Perched Zone	MW-12S	3-May-21	397262.9	2049269.37	17.5-22.5	151.08	19.85	131.23
Onsite	Surficial Aquifer	MW-13D	3-May-21	397119.015	2049821.123	57 - 67	148.65	43.17	105.48
Onsite	Surficial Aquifer	MW-14D	3-May-21	396974.485	2049074.561	62 - 72	149.73	37.75	111.98
Onsite	Surficial Aquifer	MW-15DRR	3-May-21	398580.71	2049511.75	52.5 - 62.5	150.92	46.02	104.9
Onsite	Surficial Aquifer	MW-16D	3-May-21	398493.703	2048402.838	72 - 82	148.41	33.15	115.26
Onsite	Surficial Aquifer	MW-17D	3-May-21	398401.741	2047366.496	57 - 67	146.117	25.52	120.6
Onsite	Surficial Aquifer	MW-18D	3-May-21	400947.3	2046574.35	50 - 60	108.1	17.75	90.35
Onsite	Surficial Aquifer	MW-19D	3-May-21	401151.43	2048272.93	46 - 56	139.36	48.76	90.6
Onsite	Perched Zone	MW-1S	3-May-21	397080.69	2049117.99	21.0-24.0	148.88	18.87	130.01
Onsite	Surficial Aquifer	MW-20D	3-May-21	400791.01	2048733.71	65 - 75	137.2	45.1	92.1
Onsite	Surficial Aquifer	MW-21D	3-May-21	399501.88	2047074.92	72 - 82	151.42	42	109.42
Onsite	Surficial Aquifer	MW-22D	3-May-21	398518.4	2048362.48	52 - 72	149.09	33.09	116
Onsite	Perched Zone	MW-23	3-May-21	396237.61	2051063.25	9.5 -14.5	148.34	14.2	134.14
Onsite	Perched Zone	MW-24	3-May-21	397303.94	2048767.69	18.8 - 23.8	150.31	21.31	129
Onsite	Perched Zone	MW-25	3-May-21	396753.37	2050989.82	12 - 17	147.59	13.68	133.91
Onsite	Perched Zone	MW-26	3-May-21	396265.18	2051484.67	5 - 10	147.7	11.5	136.2
Onsite	Perched Zone	MW-27	3-May-21	396010.33	2051472	10 - 15	146.83	15.05	131.78
Onsite	Perched Zone	MW-28	3-May-21	395719.79	2051165.93	9 - 14	144.7	14.35	130.35
Onsite	Perched Zone	MW-30	3-May-21	397340.79	2050776.09	10 - 15	147.67	13.14	134.53

TABLE A6
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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	MW-31	3-May-21	396390.698	2049622.884	17-22	147.699	16.15	131.55
Onsite	Perched Zone	MW-32	3-May-21	396359.577	2049651.789	13-18.5	147.106	15.13	131.98
Onsite	Perched Zone	MW-33	3-May-21	396337.507	2049678.558	12-17	146.82	14.67	132.15
Onsite	Perched Zone	MW-34	3-May-21	396352.902	2049619.086	17-22	147.972	16.1	131.87
Onsite	Perched Zone	MW-35	3-May-21	396332.943	2049631.155	14-19	147.541	15.58	131.96
Onsite	Perched Zone	MW-36	3-May-21	396320.088	2049651.174	12-17	147.889	15.85	132.04
Onsite	Perched Zone	MW-7S	3-May-21	397444.5245	2049809.731	NA	147.47	10.23	137.24
Onsite	Perched Zone	MW-8S	3-May-21	397096.4767	2049867.768	NA	146.48	Dry	--
Onsite	Perched Zone	MW-9S	3-May-21	396760.1617	2049734.296	17.5-22.5	154.39	21.07	133.32
Onsite	Perched Zone	NAF-01	3-May-21	398348.58	2050339.68	5.0-15.0	148.65	8.14	140.51
Onsite	Perched Zone	NAF-02	3-May-21	398660.16	2050634.55	5.0-15.0	149.28	9.06	140.22
Onsite	Perched Zone	NAF-03	3-May-21	398578.63	2050743.04	5.0-15.0	149.41	9.41	140
Onsite	Perched Zone	NAF-04	3-May-21	398445.89	2050713.13	5.0-15.0	146.77	6.46	140.31
Onsite	Perched Zone	NAF-06	3-May-21	398808.81	2050913.93	2.75-12.75	145.43	11.68	133.75
Onsite	Perched Zone	NAF-07	3-May-21	398898.69	2050618.12	5.5-15.5	149.03	9.23	139.8
Onsite	Perched Zone	NAF-08A	3-May-21	398098.22	2050886.93	5.0-15.0	147.74	8.85	138.89
Onsite	Surficial Aquifer	NAF-08B	3-May-21	398095.97	2050880.18	43.5-53.5	147.83	52.95	94.88
Onsite	Perched Zone	NAF-09	3-May-21	397708.78	2050807.44	7.0-17.0	148.62	11.83	136.79
Onsite	Perched Zone	NAF-10	3-May-21	397611.81	2050425.2	8.25-18.25	149.25	11.63	137.62
Onsite	Perched Zone	NAF-11A	3-May-21	398907.08	2050999.77	2.5-7.5	139.74	4.93	134.81
Onsite	Surficial Aquifer	NAF-11B	3-May-21	398911.13	2050995.88	33.5-43.5	140.74	46.38	94.36
Onsite	Perched Zone	NAF-12	3-May-21	398270.555	2050777.49	18 - 23	145.79	5.97	139.82
Onsite	Black Creek Aquifer	OW-1	3-May-21	399930.53	2051287.87	40-50	95.01	34.47	60.54
Onsite	Black Creek Aquifer	OW-10	3-May-21	399948.17	2051291.21	40-50	94.39	33.79	60.6
Onsite	Black Creek Aquifer	OW-2	3-May-21	398572.28	2051801.62	63-73	84.37	35.14	49.23
Onsite	Black Creek Aquifer	OW-3	3-May-21	398601.08	2051812.32	63-73	84.64	35.66	48.98
Onsite	Black Creek Aquifer	OW-4	3-May-21	395049.16	2052210.81	47-57	80.85	18.34	62.51
Onsite	Black Creek Aquifer	OW-5	3-May-21	395070.03	2052196.97	54-64	81.61	18.89	62.72
Onsite	Black Creek Aquifer	OW-6	3-May-21	396168.41	2052223.54	50-60	80.53	39.01	41.52
Onsite	Black Creek Aquifer	OW-7	3-May-21	397180.06	2052052.69	57-67	81.45	38.56	42.89
Onsite	Black Creek Aquifer	OW-8	3-May-21	397202.33	2052041.98	57-67	82.3	40.14	42.16
Onsite	Black Creek Aquifer	OW-9	3-May-21	395075.14	2052211.07	54-64	79.78	17.13	62.65
Onsite	Black Creek Aquifer	PIW-10DR	3-May-21	395093.99	2052297.3	53 - 58	75.91	13.56	62.35
Onsite	Surficial Aquifer	PIW-10S	3-May-21	395104.95	2052296.98	7 - 17	76.32	18.58	57.74
Onsite	Black Creek Aquifer	PIW-11	3-May-21	401911.03	2050416.29	47-57	67.02	21.47	45.55
Onsite	Black Creek Aquifer	PIW-12	3-May-21	401703.1	2051025.77	64-74	83.78	48.53	35.25
Onsite	Black Creek Aquifer	PIW-13	3-May-21	401464.29	2051122.6	54-64	83.18	47.27	35.91
Onsite	Black Creek Aquifer	PIW-14	3-May-21	401163.98	2051186.57	56-66	87.43	50.67	36.76
Onsite	Black Creek Aquifer	PIW-15	3-May-21	400706.51	2051532.8	34-44	67.85	33.51	34.34
Onsite	Black Creek Aquifer	PIW-16D	3-May-21	396257.96	2046587.07	90-100	150.06	17.54	132.52
Onsite	Surficial Aquifer	PIW-16S	3-May-21	396267.84	2046586.09	35-45	149.74	13.79	135.95
Onsite	Black Creek Aquifer	PIW-1D	3-May-21	400548	2051801.28	24.5 - 29.5	52.16	17.97	34.19
Onsite	Floodplain Deposits	PIW-1S	3-May-21	400541.03	2051792.39	7.8 - 17.8	54.04	20.85	33.19

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	PIW-2D	3-May-21	399925.4	2051315.8	40 - 50	96.19	35.71	60.48
Onsite	Black Creek Aquifer	PIW-3D	3-May-21	399711.25	2052086.94	19 - 24	53.42	16.66	36.76
Onsite	Black Creek Aquifer	PIW-4D	3-May-21	398816.52	2052101.94	32.3 - 37.3	52.85	10.46	42.39
Onsite	Surficial Aquifer	PIW-5S	3-May-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.41	61.61
Onsite	Floodplain Deposits	PIW-6S	3-May-21	398117.93	2052539.79	18 - 28	53.4	14.66	38.74
Onsite	Black Creek Aquifer	PIW-7D	3-May-21	396787.77	2052595.65	29 - 34	48.93	7.54	41.39
Onsite	Floodplain Deposits	PIW-7S	3-May-21	396786.97	2052589.1	7 - 17	47.97	7.16	40.81
Onsite	Black Creek Aquifer	PIW-8D	3-May-21	396403.37	2052682.1	35.5 - 40	48.66	8.17	40.49
Onsite	Black Creek Aquifer	PIW-9D	3-May-21	396155.84	2052250.84	40 - 45	79.64	38.41	41.23
Onsite	Surficial Aquifer	PIW-9S	3-May-21	396148.52	2052251.03	24.8 - 29.8	79.64	28.54	51.1
Onsite	Perched Zone	PW-01	3-May-21	399064.799	2049654.303	11 - 21	149.547	14.58	134.97
Onsite	Surficial Aquifer	PW-02	3-May-21	399779.064	2050649.466	50 - 60	146.431	53.87	92.56
Onsite	Surficial Aquifer	PW-03	3-May-21	397339.809	2050765.319	35 - 45	147.967	41.52	106.45
Onsite	Surficial Aquifer	PW-04	3-May-21	394659.549	2050940.657	17 - 27	97.751	24.32	73.43
Onsite	Surficial Aquifer	PW-05	3-May-21	395873.1	2047812.929	65 - 75	150.336	25.87	124.47
Onsite	Surficial Aquifer	PW-06	3-May-21	392868	2045288.765	19 - 29	147.691	18.42	129.27
Onsite	Surficial Aquifer	PW-07	3-May-21	390847.706	2049258.256	28 - 38	148.16	29.59	118.57
Onsite	Black Creek Aquifer	PW-09	3-May-21	402000.079	2048979.111	44 - 54	72.925	24.64	48.28
Onsite	Black Creek Aquifer	PW-10R	3-May-21	398516.115	2051936.585	57 - 67	75.9	27.95	47.95
Onsite	Black Creek Aquifer	PW-11	3-May-21	394354.363	2052226.721	53 - 63	73.263	30.6	42.66
Onsite	Black Creek Aquifer	PW-12	3-May-21	399500.447	2047063.51	109 - 119	150.61	55.41	95.2
Onsite	Black Creek Aquifer	PW-13	3-May-21	397584.263	2048029.184	120 - 130	149.36	29.27	120.09
Onsite	Black Creek Aquifer	PW-14	3-May-21	397325.648	2050766.359	136 - 146	147.97	60.05	87.92
Onsite	Black Creek Aquifer	PW-15R	3-May-21	398900.875	2051011.753	110 - 120	136.14	59.96	76.18
Onsite	Perched Zone	PZ-11	3-May-21	398646.2549	2049820.937	15-20	151.03	9.7	141.33
Onsite	Perched Zone	PZ-12	3-May-21	399091.19	2048978.89	15.1-20.1	149.89	19.36	130.53
Onsite	Perched Zone	PZ-13	3-May-21	397707.82	2050985.25	7.1-12.1	148.14	11.31	136.83
Onsite	Perched Zone	PZ-14	3-May-21	397589.9185	2050618.271	9.0-14.0	148.38	10.49	137.89
Onsite	Perched Zone	PZ-15	3-May-21	396806.39	2050107.5	10.2-15.2	147.76	12.96	134.8
Onsite	Perched Zone	PZ-17	3-May-21	396614.815	2048872.689	21.1-26.1	150.08	28.26	121.82
Onsite	Perched Zone	PZ-19R	3-May-21	397998.663	2049919.516	16-21	150.046	12.64	137.41
Onsite	Perched Zone	PZ-20R	3-May-21	398185.809	2049784.598	15-20	151.29	14.02	137.27
Onsite	Perched Zone	PZ-21R	3-May-21	398445.157	2049883.125	17-22	150.674	12.31	138.36
Onsite	Black Creek Aquifer	PZ-22	3-May-21	397271.94	2052585.34	42.5-47.5	50.7	10.43	40.27
Onsite	Perched Zone	PZ-24	3-May-21	396117.94	2050744.07	11 - 16	147.53	13.92	133.61
Onsite	Perched Zone	PZ-25R	3-May-21	395971.54	2050748.23	6 to 16	147.51	19.01	128.5
Onsite	Perched Zone	PZ-26	3-May-21	396059.78	2050382.35	11 - 16	147.7	10.71	136.99
Onsite	Perched Zone	PZ-27	3-May-21	395922.11	2050376.76	12 - 17	147.17	14.09	133.08
Onsite	Perched Zone	PZ-28	3-May-21	396304.55	2049933.79	13 - 18	148.64	13.46	135.18
Onsite	Perched Zone	PZ-29	3-May-21	396377.59	2049771.59	12 - 18	147.74	14.82	132.92
Onsite	Perched Zone	PZ-31	3-May-21	396428.73	2049594.355	14 - 19	147.999	18.23	129.77
Onsite	Perched Zone	PZ-32	3-May-21	396418.471	2049713.787	13 - 18	148.471	15.61	132.86
Onsite	Perched Zone	PZ-33	3-May-21	396308.915	2049707.661	12.5-17.5	146.715	14.31	132.4

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Onsite	Perched Zone	PZ-34	3-May-21	396292.05	2049595.039	13.5-18.5	147.695	16.03	131.66
Onsite	Perched Zone	PZ-35	3-May-21	398232.643	2050020.494	13 - 18	150.43	12.01	138.42
Onsite	Perched Zone	PZ-36	3-May-21	396086.17	2051331.44	5 - 8.5	135.2	3.08	132.12
Onsite	Perched Zone	PZ-37	3-May-21	396042.4	2051050.05	5 - 8	135.56	3.05	132.51
Onsite	Perched Zone	PZ-38	3-May-21	395970.01	2050569.66	5 - 9	137.34	8.86	128.48
Onsite	Perched Zone	PZ-39	3-May-21	395921.87	2050238.18	5 - 10	137.93	3.66	134.27
Onsite	Perched Zone	PZ-40	3-May-21	395943.02	2050031.9	5 - 9	138.51	4.03	134.48
Onsite	Perched Zone	PZ-41	3-May-21	395979.29	2050048.97	5 - 8.5	138.13	3.01	135.12
Onsite	Perched Zone	PZ-42	3-May-21	395961.73	2050230.23	3 - 7	138.17	2.66	135.51
Onsite	Perched Zone	PZ-43	3-May-21	396011.61	2050567.89	5 - 9	137.06	5.62	131.44
Onsite	Perched Zone	PZ-44	3-May-21	396082.75	2051045.25	5 - 7	136.26	3.06	133.2
Onsite	Perched Zone	PZ-45	3-May-21	396124.41	2051323.03	2 - 4	135.69	2.65	133.04
Onsite	Surficial Aquifer	PZ-L	3-May-21	396745.804	2048684.008	13-28	147.86	30.03	117.83
Onsite	Surficial Aquifer	SMW-01	3-May-21	395297.97	2043688.29	5.0-15.0	150.58	11.9	138.68
Onsite	Perched Zone	SMW-02	3-May-21	399982.23	2050655.91	5.0-20.0	144.59	12.6	131.99
Onsite	Surficial Aquifer	SMW-02B	3-May-21	399983.75	2050654.77	43.0-53.0	147.93	55.21	92.72
Onsite	Perched Zone	SMW-03	3-May-21	399779.32	2049445.32	10.0-20.0	151.094	Dry	--
Onsite	Black Creek Aquifer	SMW-03B	3-May-21	399785.752	2049421.539	72 - 82	150.43	53.8	96.63
Onsite	Perched Zone	SMW-04A	3-May-21	399668.71	2048387.57	19.5-34.5	148.09	37.08	111.01
Onsite	Surficial Aquifer	SMW-04B	3-May-21	399666.21	2048392.37	43.0-53.0	147.65	42.64	105.01
Onsite	Perched Zone	SMW-05	3-May-21	399334.0651	2048557.335	10.0-20.0	148.099	Dry	--
Onsite	Surficial Aquifer	SMW-05P	3-May-21	399391.46	2049235.07	45.0-60.0	149.66	41.51	108.15
Onsite	Perched Zone	SMW-06	3-May-21	399172.346	2048759.478	12.0-22.0	150.97	Dry	--
Onsite	Surficial Aquifer	SMW-06B	3-May-21	399144.744	2048764.939	58 - 68	150.32	44.87	105.45
Onsite	Perched Zone	SMW-07	3-May-21	398931.13	2048611.74	13.0-23.0	146.79	19.44	127.35
Onsite	Perched Zone	SMW-08	3-May-21	399064.972	2048468.783	21.0-31.0	151.017	34.22	116.8
Onsite	Surficial Aquifer	SMW-08B	3-May-21	399058.325	2048478.84	58 - 68	148.81	38.26	110.55
Onsite	Surficial Aquifer	SMW-09	3-May-21	401076.889	2050017.409	52 - 62	141.43	53.06	88.37
Onsite	Surficial Aquifer	SMW-10	3-May-21	402307.305	2047923.84	39 - 49	76.26	29.17	47.09
Onsite	Surficial Aquifer	SMW-11	3-May-21	401996.154	2048975.382	13 - 23	71.95	12.15	59.8
Onsite	Black Creek Aquifer	SMW-12	3-May-21	401314.202	2051007.222	88 - 98	118.22	82.44	35.78
Offsite	Black Creek Aquifer	Bladen-1D	3-May-21	387522.245	2050247.399	37 - 47	76.96	19.41	57.55
Offsite	Surficial Aquifer	Bladen-1S	3-May-21	387518.967	2050233.347	5 - 10	76.74	10.14	66.6
Offsite	Black Creek Aquifer	Bladen-2D	3-May-21	368827.094	2042878.344	70 - 75	138.27	16.88	121.39
Offsite	Surficial Aquifer	Bladen-2S	3-May-21	368821.463	2042882.917	10 - 20	138.04	5.43	132.61
Offsite	Black Creek Aquifer	Bladen-3D	3-May-21	396856.978	2059006.562	33.75 - 43.75	75.52	9.05	66.47
Offsite	Surficial Aquifer	Bladen-3S	3-May-21	396862.307	2059012.932	5 - 15	74.27	8.42	65.85
Offsite	Black Creek Aquifer	Bladen-4D	3-May-21	363255.115	2087636.869	46.75 - 51.75	59.66	0.78	58.88
Offsite	Surficial Aquifer	Bladen-4S	3-May-21	363263.191	2087637.461	4.75 - 14.75	59.68	5.63	54.05
Offsite	Black Creek Aquifer	Cumberland-1D	3-May-21	431459.947	2011071.39	40 - 50	174.60	3.05	171.55
Offsite	Surficial Aquifer	Cumberland-1S	3-May-21	431459.947	2011071.39	15 - 25	174.73	3.03	171.7
Offsite	Black Creek Aquifer	Cumberland-2D	3-May-21	449987.54	2074019.139	47 - 57	129.23	3.65	125.58
Offsite	Surficial Aquifer	Cumberland-2S	3-May-21	449979.1	2074020.858	7 - 17	129.06	3.88	125.18

TABLE A6
GROUNDWATER ELEVATIONS - Q2 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Offsite	Black Creek Aquifer	Cumberland-3D	3-May-21	423248.115	2060409.157	22 - 27	78.79	7.11	71.68
Offsite	Surficial Aquifer	Cumberland-3S	3-May-21	423254.641	2060413.302	9 - 14	79.06	7.06	72
Offsite	Black Creek Aquifer	Cumberland-4D	3-May-21	413095.774	2078249.953	57 - 67	119.22	12.58	106.64
Offsite	Surficial Aquifer	Cumberland-4S	3-May-21	413086.626	2078255.528	10 - 20	119.36	6.86	112.5
Offsite	Surficial Aquifer	Cumberland-5S	3-May-21	405623.274	2138233.369	14 - 24	106.65	2.41	104.24
Offsite	Black Creek Aquifer	Robeson-1D	3-May-21	381416.282	2020158.933	42.75 - 52.75	156.36	10.17	146.19
Offsite	Surficial Aquifer	Robeson-1S	3-May-21	381408.19	2020156.855	17 - 27	156.66	7.01	149.65
Onsite	Black Creek Aquifer	BCA-01	7-Jun-21	399779.96	2050662.48	91 - 101	146.25	57.24	89.01
Onsite	Black Creek Aquifer	BCA-02	7-Jun-21	396242.02	2051062.07	92 - 102	148.37	72.78	75.59
Onsite	Black Creek Aquifer	BCA-03R	7-Jun-21	398582.23	2049522.22	88 - 98	150.82	48.03	102.79
Onsite	Black Creek Aquifer	BCA-04	7-Jun-21	395877.665	2047823.03	94 - 104	150.31	26.14	124.17
Onsite	Black Creek Aquifer	EW-1	7-Jun-21	399934.65	2051297.51	40-60	91.33	31.21	60.12
Onsite	Black Creek Aquifer	EW-2	7-Jun-21	396164.48	2052232.61	40-65	77.25	32.66	44.59
Onsite	Black Creek Aquifer	EW-3	7-Jun-21	395059.78	2052214.66	37-67	76.48	14.37	62.11
Onsite	Black Creek Aquifer	EW-4	7-Jun-21	398581.51	2051805.58	53-73	80.64	30.79	49.85
Onsite	Black Creek Aquifer	EW-5	7-Jun-21	397200.16	2052052.65	37-67	78.5	33.8	44.7
Onsite	Perched Zone	FTA-01	7-Jun-21	397906.09	2049370.01	12.0-22.0	149.6	15.73	133.87
Onsite	Perched Zone	FTA-02	7-Jun-21	397784.99	2049203.29	11.5-22.0	149.3	17.53	131.77
Onsite	Perched Zone	FTA-03	7-Jun-21	397766.23	2049310.46	12.0-22.0	150.1	17.45	132.65
Onsite	Surficial Aquifer	INSITU-01	7-Jun-21	401657.39	2046078.99	7.0-17.0	89.12	5.24	83.88
Onsite	Surficial Aquifer	INSITU-02	7-Jun-21	401863.46	2049136.62	7.0-17.0	113.12	Dry	--
Onsite	Floodplain Deposits	LTW-01	7-Jun-21	399565.01	2052150.62	11.0-26.0	52.71	16.04	36.67
Onsite	Black Creek Aquifer	LTW-02	7-Jun-21	398847.57	2052355.48	28.0-38.0	51.39	8.88	42.51
Onsite	Floodplain Deposits	LTW-03	7-Jun-21	398114.45	2052558.35	15.0-30.0	51.75	12.73	39.02
Onsite	Floodplain Deposits	LTW-04	7-Jun-21	397279.61	2052584.95	12.0-27.0	50.66	8.34	42.32
Onsite	Black Creek Aquifer	LTW-05	7-Jun-21	396430.31	2052740.4	29.0-44.0	50.94	9.74	41.2
Onsite	Perched Zone	MW-11	7-Jun-21	396544.4	2049051.06	11.5-21.5	148.53	23.39	125.14
Onsite	Perched Zone	MW-12S	7-Jun-21	397262.9	2049269.37	17.5-22.5	151.08	20.21	130.87
Onsite	Surficial Aquifer	MW-13D	7-Jun-21	397119.015	2049821.123	57 - 67	148.65	43.46	105.19
Onsite	Surficial Aquifer	MW-14D	7-Jun-21	396974.485	2049074.561	62 - 72	149.73	Within restricted area	--
Onsite	Surficial Aquifer	MW-15DRR	7-Jun-21	398580.71	2049511.75	52.5 - 62.5	150.92	46.25	104.67
Onsite	Surficial Aquifer	MW-16D	7-Jun-21	398493.703	2048402.838	72 - 82	148.41	33.56	114.85
Onsite	Surficial Aquifer	MW-17D	7-Jun-21	398401.741	2047366.496	57 - 67	146.117	26.31	119.81
Onsite	Surficial Aquifer	MW-18D	7-Jun-21	400947.3	2046574.35	50 - 60	108.1	18.38	89.72
Onsite	Surficial Aquifer	MW-19D	7-Jun-21	401151.43	2048272.93	46 - 56	139.36	49.46	89.9
Onsite	Perched Zone	MW-1S	7-Jun-21	397080.69	2049117.99	21.0-24.0	148.88	19.01	129.87
Onsite	Surficial Aquifer	MW-20D	7-Jun-21	400791.01	2048733.71	65 - 75	137.2	45.2	92
Onsite	Surficial Aquifer	MW-21D	7-Jun-21	399501.88	2047074.92	72 - 82	151.42	42.91	108.51
Onsite	Surficial Aquifer	MW-22D	7-Jun-21	398518.4	2048362.48	52 - 72	149.09	33.46	115.63
Onsite	Perched Zone	MW-23	7-Jun-21	396237.61	2051063.25	9.5 -14.5	148.34	14.37	133.97
Onsite	Perched Zone	MW-24	7-Jun-21	397303.94	2048767.69	18.8 - 23.8	150.31	21.69	128.62
Onsite	Perched Zone	MW-25	7-Jun-21	396753.37	2050989.82	12 - 17	147.59	13.88	133.71
Onsite	Perched Zone	MW-26	7-Jun-21	396265.18	2051484.67	5 - 10	147.7	11.84	135.86

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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	MW-27	7-Jun-21	396010.33	2051472	10 - 15	146.83	14.94	131.89
Onsite	Perched Zone	MW-28	7-Jun-21	395719.79	2051165.93	9 - 14	144.7	14.11	130.59
Onsite	Perched Zone	MW-2S	7-Jun-21	396934.7481	2049321.849	19.0-23.0	149.91	Decommissioned	--
Onsite	Perched Zone	MW-30	7-Jun-21	397340.79	2050776.09	10 - 15	147.67	13.39	134.28
Onsite	Perched Zone	MW-31	7-Jun-21	396390.698	2049622.884	17-22	147.70	15.94	131.76
Onsite	Perched Zone	MW-32	7-Jun-21	396359.577	2049651.789	13-18.5	147.11	14.89	132.22
Onsite	Perched Zone	MW-33	7-Jun-21	396337.507	2049678.558	12-17	146.82	14.35	132.47
Onsite	Perched Zone	MW-34	7-Jun-21	396352.902	2049619.086	17-22	147.97	15.89	132.08
Onsite	Perched Zone	MW-35	7-Jun-21	396332.943	2049631.155	14-19	147.54	15.35	132.19
Onsite	Perched Zone	MW-36	7-Jun-21	396320.088	2049651.174	12-17	147.89	15.65	132.24
Onsite	Perched Zone	MW-7S	7-Jun-21	397444.5245	2049809.731	NA	147.47	10.39	137.08
Onsite	Perched Zone	MW-8S	7-Jun-21	397096.4767	2049867.768	NA	146.48	Dry	--
Onsite	Perched Zone	MW-9S	7-Jun-21	396760.1617	2049734.296	17.5-22.5	154.39	21.14	133.25
Onsite	Perched Zone	NAF-01	7-Jun-21	398348.58	2050339.68	5.0-15.0	148.65	8.67	139.98
Onsite	Perched Zone	NAF-02	7-Jun-21	398660.16	2050634.55	5.0-15.0	149.28	9.59	139.69
Onsite	Perched Zone	NAF-03	7-Jun-21	398578.63	2050743.04	5.0-15.0	149.41	11.67	137.74
Onsite	Perched Zone	NAF-04	7-Jun-21	398445.89	2050713.13	5.0-15.0	146.77	6.83	139.94
Onsite	Perched Zone	NAF-06	7-Jun-21	398808.81	2050913.93	2.75-12.75	145.43	11.44	133.99
Onsite	Perched Zone	NAF-07	7-Jun-21	398898.69	2050618.12	5.5-15.5	149.03	9.15	139.88
Onsite	Perched Zone	NAF-08A	7-Jun-21	398098.22	2050886.93	5.0-15.0	147.74	8.31	139.43
Onsite	Surficial Aquifer	NAF-08B	7-Jun-21	398095.97	2050880.18	43.5-53.5	147.83	52.8	95.03
Onsite	Perched Zone	NAF-09	7-Jun-21	397708.78	2050807.44	7.0-17.0	148.62	12.18	136.44
Onsite	Perched Zone	NAF-10	7-Jun-21	397611.81	2050425.2	8.25-18.25	149.25	11.81	137.44
Onsite	Perched Zone	NAF-11A	7-Jun-21	398907.08	2050999.77	2.5-7.5	139.74	5.57	134.17
Onsite	Surficial Aquifer	NAF-11B	7-Jun-21	398911.13	2050995.88	33.5-43.5	140.74	46.49	94.25
Onsite	Perched Zone	NAF-12	7-Jun-21	398270.555	2050777.49	18 - 23	145.79	Within restricted zone	--
Onsite	Black Creek Aquifer	OW-1	7-Jun-21	399930.53	2051287.87	40-50	95.01	34.72	60.29
Onsite	Black Creek Aquifer	OW-10	7-Jun-21	399948.17	2051291.21	40-50	94.39	34.04	60.35
Onsite	Black Creek Aquifer	OW-2	7-Jun-21	398572.28	2051801.62	63-73	84.37	34.87	49.5
Onsite	Black Creek Aquifer	OW-3	7-Jun-21	398601.08	2051812.32	63-73	84.64	35.34	49.3
Onsite	Black Creek Aquifer	OW-4	7-Jun-21	395049.16	2052210.81	47-57	80.85	18.74	62.11
Onsite	Black Creek Aquifer	OW-5	7-Jun-21	395070.03	2052196.97	54-64	81.61	19.31	62.3
Onsite	Black Creek Aquifer	OW-6	7-Jun-21	396168.41	2052223.54	50-60	80.53	38.21	42.32
Onsite	Black Creek Aquifer	OW-7	7-Jun-21	397180.06	2052052.69	57-67	81.45	36.75	44.7
Onsite	Black Creek Aquifer	OW-8	7-Jun-21	397202.33	2052041.98	57-67	82.30	38.36	43.94
Onsite	Black Creek Aquifer	OW-9	7-Jun-21	395075.14	2052211.07	54-64	79.78	17.54	62.24
Onsite	Black Creek Aquifer	PIW-10DR	7-Jun-21	395093.99	2052297.3	53 - 58	75.91	13.87	62.04
Onsite	Surficial Aquifer	PIW-10S	7-Jun-21	395104.95	2052296.98	7 - 17	76.32	18.62	57.7
Onsite	Black Creek Aquifer	PIW-11	7-Jun-21	401911.03	2050416.29	47-57	67.02	21.5	45.52
Onsite	Black Creek Aquifer	PIW-12	7-Jun-21	401703.1	2051025.77	64-74	83.78	48.92	34.86
Onsite	Black Creek Aquifer	PIW-13	7-Jun-21	401464.29	2051122.6	54-64	83.18	47.95	35.23
Onsite	Black Creek Aquifer	PIW-14	7-Jun-21	401163.98	2051186.57	56-66	87.43	51.39	36.04
Onsite	Black Creek Aquifer	PIW-15	7-Jun-21	400706.51	2051532.8	34-44	67.85	33.91	33.94

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Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Black Creek Aquifer	PIW-16D	7-Jun-21	396257.96	2046587.07	90-100	150.06	18.44	131.62
Onsite	Surficial Aquifer	PIW-16S	7-Jun-21	396267.84	2046586.09	35-45	149.74	14.96	134.78
Onsite	Black Creek Aquifer	PIW-1D	7-Jun-21	400548	2051801.28	24.5 - 29.5	52.16	18.29	33.87
Onsite	Floodplain Deposits	PIW-1S	7-Jun-21	400541.03	2051792.39	7.8 - 17.8	54.04	21.05	32.99
Onsite	Black Creek Aquifer	PIW-2D	7-Jun-21	399925.4	2051315.8	40 - 50	96.19	35.95	60.24
Onsite	Black Creek Aquifer	PIW-3D	7-Jun-21	399711.25	2052086.94	19 - 24	53.42	16.94	36.48
Onsite	Black Creek Aquifer	PIW-4D	7-Jun-21	398816.52	2052101.94	32.3 - 37.3	52.85	10.02	42.83
Onsite	Surficial Aquifer	PIW-5S	7-Jun-21	398519.7	2051950.49	9.8 - 19.8	75.02	13.6	61.42
Onsite	Floodplain Deposits	PIW-6S	7-Jun-21	398117.93	2052539.79	18 - 28	53.40	14.28	39.12
Onsite	Black Creek Aquifer	PIW-7D	7-Jun-21	396787.77	2052595.65	29 - 34	48.93	5.89	43.04
Onsite	Floodplain Deposits	PIW-7S	7-Jun-21	396786.97	2052589.1	7 - 17	47.97	5.69	42.28
Onsite	Black Creek Aquifer	PIW-8D	7-Jun-21	396403.37	2052682.1	35.5 - 40	48.66	7.42	41.24
Onsite	Black Creek Aquifer	PIW-9D	7-Jun-21	396155.84	2052250.84	40 - 45	79.64	37.95	41.69
Onsite	Surficial Aquifer	PIW-9S	7-Jun-21	396148.52	2052251.03	24.8 - 29.8	79.64	29.14	50.5
Onsite	Perched Zone	PW-01	7-Jun-21	399064.799	2049654.303	11 - 21	149.55	14.97	134.58
Onsite	Surficial Aquifer	PW-02	7-Jun-21	399779.064	2050649.466	50 - 60	146.43	54.38	92.05
Onsite	Surficial Aquifer	PW-03	7-Jun-21	397339.809	2050765.319	35 - 45	147.97	41.7	106.27
Onsite	Surficial Aquifer	PW-04	7-Jun-21	394659.549	2050940.657	17 - 27	97.75	25.62	72.13
Onsite	Surficial Aquifer	PW-05	7-Jun-21	395873.1	2047812.929	65 - 75	150.34	26.84	123.5
Onsite	Surficial Aquifer	PW-06	7-Jun-21	392868	2045288.765	19 - 29	147.69	18.78	128.91
Onsite	Surficial Aquifer	PW-07	7-Jun-21	390847.706	2049258.256	28 - 38	148.16	34.44	113.72
Onsite	Black Creek Aquifer	PW-09	7-Jun-21	402000.079	2048979.111	44 - 54	72.93	24.85	48.08
Onsite	Black Creek Aquifer	PW-10R	7-Jun-21	398516.115	2051936.585	57 - 67	75.90	27.46	48.44
Onsite	Black Creek Aquifer	PW-11	7-Jun-21	394354.363	2052226.721	53 - 63	73.26	36.4	36.86
Onsite	Black Creek Aquifer	PW-12	7-Jun-21	399500.447	2047063.51	109 - 119	150.61	56.02	94.59
Onsite	Black Creek Aquifer	PW-13	7-Jun-21	397584.263	2048029.184	120 - 130	149.36	29.5	119.86
Onsite	Black Creek Aquifer	PW-14	7-Jun-21	397325.648	2050766.359	136 - 146	147.97	60.23	87.74
Onsite	Black Creek Aquifer	PW-15R	7-Jun-21	398900.875	2051011.753	110 - 120	136.14	57.98	78.16
Onsite	Perched Zone	PZ-11	7-Jun-21	398646.2549	2049820.937	15-20	151.03	10.42	140.61
Onsite	Perched Zone	PZ-12	7-Jun-21	399091.19	2048978.89	15.1-20.1	149.89	19.83	130.06
Onsite	Perched Zone	PZ-13	7-Jun-21	397707.82	2050985.25	7.1-12.1	148.14	10.71	137.43
Onsite	Perched Zone	PZ-14	7-Jun-21	397589.9185	2050618.271	9.0-14.0	148.38	12.01	136.37
Onsite	Perched Zone	PZ-15	7-Jun-21	396806.39	2050107.5	10.2-15.2	147.76	12.95	134.81
Onsite	Perched Zone	PZ-17	7-Jun-21	396614.815	2048872.689	21.1-26.1	150.08	28.24	121.84
Onsite	Perched Zone	PZ-19R	7-Jun-21	397998.663	2049919.516	16-21	150.05	13.02	137.03
Onsite	Perched Zone	PZ-20R	7-Jun-21	398185.809	2049784.598	15-20	151.29	14.49	136.8
Onsite	Perched Zone	PZ-21R	7-Jun-21	398445.157	2049883.125	17-22	150.67	12.87	137.8
Onsite	Black Creek Aquifer	PZ-22	7-Jun-21	397271.94	2052585.34	42.5-47.5	50.70	7.76	42.94
Onsite	Perched Zone	PZ-24	7-Jun-21	396117.94	2050744.07	11 - 16	147.53	13.93	133.6
Onsite	Perched Zone	PZ-25R	7-Jun-21	395971.54	2050748.23	6 to 16	147.51	19.02	128.49
Onsite	Perched Zone	PZ-26	7-Jun-21	396059.78	2050382.35	11 - 16	147.70	10.63	137.07
Onsite	Perched Zone	PZ-27	7-Jun-21	395922.11	2050376.76	12 - 17	147.17	14.02	133.15
Onsite	Perched Zone	PZ-28	7-Jun-21	396304.55	2049933.79	13 - 18	148.64	13.03	135.61

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Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Onsite	Perched Zone	PZ-29	7-Jun-21	396377.59	2049771.59	12 - 18	147.74	14.4	133.34
Onsite	Perched Zone	PZ-31	7-Jun-21	396428.73	2049594.355	14 - 19	148.00	17.98	130.02
Onsite	Perched Zone	PZ-32	7-Jun-21	396418.471	2049713.787	13 - 18	148.47	15.31	133.16
Onsite	Perched Zone	PZ-33	7-Jun-21	396308.915	2049707.661	12.5-17.5	146.72	14.02	132.7
Onsite	Perched Zone	PZ-34	7-Jun-21	396292.05	2049595.039	13.5-18.5	147.70	15.89	131.8
Onsite	Perched Zone	PZ-35	7-Jun-21	398232.643	2050020.494	13 - 18	150.43	12.44	137.99
Onsite	Perched Zone	PZ-36	7-Jun-21	396086.17	2051331.44	5 - 8.5	135.20	2.72	132.48
Onsite	Perched Zone	PZ-37	7-Jun-21	396042.4	2051050.05	5 - 8	135.56	2.53	133.03
Onsite	Perched Zone	PZ-38	7-Jun-21	395970.01	2050569.66	5 - 9	137.34	7.02	130.32
Onsite	Perched Zone	PZ-39	7-Jun-21	395921.87	2050238.18	5 - 10	137.93	3.61	134.32
Onsite	Perched Zone	PZ-40	7-Jun-21	395943.02	2050031.9	5 - 9	138.51	3.91	134.6
Onsite	Perched Zone	PZ-41	7-Jun-21	395979.29	2050048.97	5 - 8.5	138.13	3.05	135.08
Onsite	Perched Zone	PZ-42	7-Jun-21	395961.73	2050230.23	3 - 7	138.17	2.88	135.29
Onsite	Perched Zone	PZ-43	7-Jun-21	396011.61	2050567.89	5 - 9	137.06	5	132.06
Onsite	Perched Zone	PZ-44	7-Jun-21	396082.75	2051045.25	5 - 7	136.26	3.13	133.13
Onsite	Perched Zone	PZ-45	7-Jun-21	396124.41	2051323.03	2 - 4	135.69	2.63	133.06
Onsite	Surficial Aquifer	PZ-L	7-Jun-21	396745.804	2048684.008	13-28	147.86	30.03	117.83
Onsite	Surficial Aquifer	SMW-01	7-Jun-21	395297.97	2043688.29	5.0-15.0	150.58	12.42	138.16
Onsite	Perched Zone	SMW-02	7-Jun-21	399982.23	2050655.91	5.0-20.0	144.59	13.53	131.06
Onsite	Surficial Aquifer	SMW-02B	7-Jun-21	399983.75	2050654.77	43.0-53.0	147.93	55.61	92.32
Onsite	Perched Zone	SMW-03	7-Jun-21	399779.32	2049445.32	10.0-20.0	151.09	Dry	--
Onsite	Black Creek Aquifer	SMW-03B	7-Jun-21	399785.752	2049421.539	72 - 82	150.43	54.51	95.92
Onsite	Perched Zone	SMW-04A	7-Jun-21	399668.71	2048387.57	19.5-34.5	148.09	37.11	110.98
Onsite	Surficial Aquifer	SMW-04B	7-Jun-21	399666.21	2048392.37	43.0-53.0	147.65	43.25	104.4
Onsite	Perched Zone	SMW-05	7-Jun-21	399334.0651	2048557.335	10.0-20.0	148.10	22.92	125.18
Onsite	Surficial Aquifer	SMW-05P	7-Jun-21	399391.46	2049235.07	45.0-60.0	149.66	42.02	107.64
Onsite	Perched Zone	SMW-06	7-Jun-21	399172.346	2048759.478	12.0-22.0	150.97	Dry	--
Onsite	Surficial Aquifer	SMW-06B	7-Jun-21	399144.744	2048764.939	58 - 68	150.32	45.3	105.02
Onsite	Perched Zone	SMW-07	7-Jun-21	398931.13	2048611.74	13.0-23.0	146.79	19.48	127.31
Onsite	Perched Zone	SMW-08	7-Jun-21	399064.972	2048468.783	21.0-31.0	151.02	Dry	--
Onsite	Surficial Aquifer	SMW-08B	7-Jun-21	399058.325	2048478.84	58 - 68	148.81	38.67	110.14
Onsite	Surficial Aquifer	SMW-09	7-Jun-21	401076.889	2050017.409	52 - 62	141.43	53.66	87.77
Onsite	Surficial Aquifer	SMW-10	7-Jun-21	402307.305	2047923.84	39 - 49	76.26	29.32	46.94
Onsite	Surficial Aquifer	SMW-11	7-Jun-21	401996.154	2048975.382	13 - 23	71.95	12.61	59.34
Onsite	Black Creek Aquifer	SMW-12	7-Jun-21	401314.202	2051007.222	88 - 98	118.22	83.21	35.01
Offsite	Black Creek Aquifer	Bladen-1D	7-Jun-21	387522.245	2050247.399	37 - 47	76.96	19.55	57.41
Offsite	Surficial Aquifer	Bladen-1S	7-Jun-21	387518.967	2050233.347	5 - 10	76.74	9.79	66.95
Offsite	Black Creek Aquifer	Bladen-2D	7-Jun-21	368827.094	2042878.344	70 - 75	138.27	17.83	120.44
Offsite	Surficial Aquifer	Bladen-2S	7-Jun-21	368821.463	2042882.917	10 - 20	138.04	5.56	132.48
Offsite	Black Creek Aquifer	Bladen-3D	7-Jun-21	396856.978	2059006.562	33.75 - 43.75	75.52	9.4	66.12
Offsite	Surficial Aquifer	Bladen-3S	7-Jun-21	396862.307	2059012.932	5 - 15	74.27	8.96	65.31
Offsite	Black Creek Aquifer	Bladen-4D	7-Jun-21	363255.115	2087636.869	46.75 - 51.75	59.66	1.15	58.51
Offsite	Surficial Aquifer	Bladen-4S	7-Jun-21	363263.191	2087637.461	4.75 - 14.75	59.68	5.72	53.96

TABLE A6
GROUNDWATER ELEVATIONS - Q2 2021
Chemours Fayetteville Works, North Carolina

Area[1]	Water Bearing Unit[2]	Well ID	Gauging Date	Northing (ft, SPCS NAD83)[3]	Easting (ft, SPCS NAD83)[3]	Screened Interval (ft)	TOC Elevation (NAVD 88)[4]	Depth to Water (from TOC)	Water Level (ft NAVD88)
Offsite	Black Creek Aquifer	Cumberland-1D	7-Jun-21	431459.947	2011071.39	40 - 50	174.60	4.08	170.52
Offsite	Surficial Aquifer	Cumberland-1S	7-Jun-21	431459.947	2011071.39	15 - 25	174.73	3.69	171.04
Offsite	Black Creek Aquifer	Cumberland-2D	7-Jun-21	449987.54	2074019.139	47 - 57	129.23	3.78	125.45
Offsite	Surficial Aquifer	Cumberland-2S	7-Jun-21	449979.1	2074020.858	7 - 17	129.06	2.97	126.09
Offsite	Black Creek Aquifer	Cumberland-3D	7-Jun-21	423248.115	2060409.157	22 - 27	78.79	7.25	71.54
Offsite	Surficial Aquifer	Cumberland-3S	7-Jun-21	423254.641	2060413.302	9 - 14	79.06	7.21	71.85
Offsite	Black Creek Aquifer	Cumberland-4D	7-Jun-21	413095.774	2078249.953	57 - 67	119.22	12.41	106.81
Offsite	Surficial Aquifer	Cumberland-4S	7-Jun-21	413086.626	2078255.528	10 - 20	119.36	7.21	112.15
Offsite	Black Creek Aquifer	Cumberland-5D	7-Jun-21	405619.17	2138238.586	52 - 57	106.67	7.91	98.76
Offsite	Surficial Aquifer	Cumberland-5S	7-Jun-21	405623.274	2138233.369	14 - 24	106.65	3.17	103.48
Offsite	Black Creek Aquifer	Robeson-1D	7-Jun-21	381416.282	2020158.933	42.75 - 52.75	156.36	11.78	144.58
Offsite	Surficial Aquifer	Robeson-1S	7-Jun-21	381408.19	2020156.855	17 - 27	156.66	8.7	147.96

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.
-- - not calculated because the well was either not measured or dry
NM - not measured
ft - feet
NAVD88 - North American Vertical Datum of 1988
SPCS NAD83 - State Plane Coordinate System North American Datum 1983
TOC - top of casing

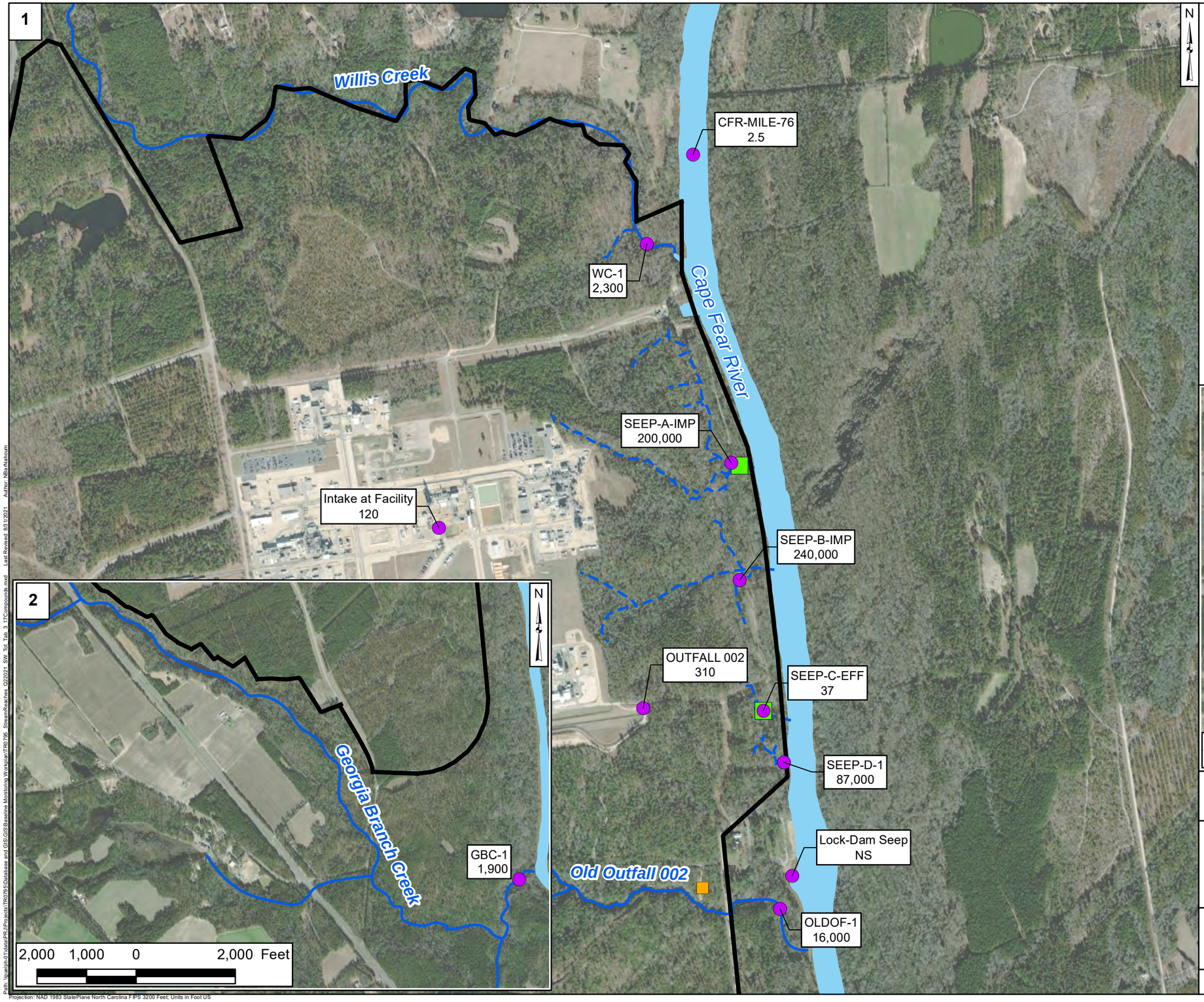
TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

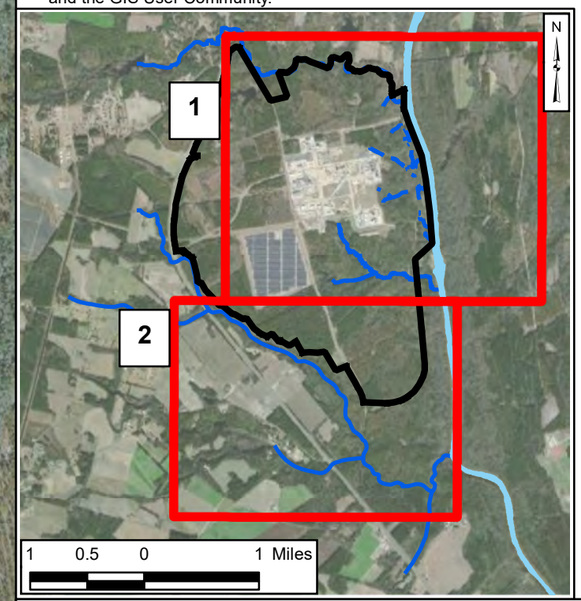
Location	Date	Time	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (µS/cm)	Temperature (°C)
LTW-01	4/30/2021	11:10	3.4	0.1	441	0.22	126	16.5
LTW-02	4/29/2021	15:50	4.4	0.09	162	2.4	63	22.2
LTW-03	4/22/2021	12:55	4.4	0.06	278	3.1	91	17.4
LTW-04	4/22/2021	11:00	4.1	0.8	341	4.2	99	13.4
LTW-05	4/27/2021	15:30	3.6	0.2	341	4.3	114	19.7
PIW-1D	4/16/2021	9:30	3.6	0.04	341	6.8	172	16.6
PIW-1S	4/16/2021	10:25	4.2	2.6	374	4.5	120	15.2
PIW-3D	4/29/2021	12:15	3.7	0.1	-24	4.6	86	19.4
PIW-7D	4/22/2021	8:45	4.1	0.4	300	0.15	98	14.1
PIW-7S	4/22/2021	8:40	5.1	0.08	112	4.3	122	13.1
PW-04	4/14/2021	12:55	3.5	0.2	399	1.4	220	22.6
PW-06	4/14/2021	10:35	4.5	3.4	220	0.01	44	17.2
PW-07	4/14/2021	11:30	4.5	7.2	341	0.85	24	20.3
PW-09	4/13/2021	12:45	11.2	0.2	-107	9.7	629	19.5
PZ-22	4/22/2021	11:10	4.5	0.2	168	0.00	89	15.5
SMW-10	4/27/2021	17:00	5.2	0.05	-22	3.5	79	19.0
SMW-11	4/13/2021	15:33	4.4	5.7	233	0.00	32	15.7
SMW-12	4/15/2021	13:55	3.7	0.5	4	1.9	226	17.3
LTW-01	5/17/2021	12:45	3.4	0.2	390	0.97	123	16.6
LTW-02	5/17/2021	11:20	4.8	0.05	143	0.36	74	17.2
LTW-03	5/18/2021	13:20	4.4	0.5	228	17	95	17.9
LTW-04	5/19/2021	11:05	4.3	0.09	224	5.9	78	17.9
LTW-05	5/18/2021	15:30	4.3	0.05	183	2.4	122	20.7
PIW-1D	5/17/2021	11:35	3.7	0.09	314	0.81	167	18.8
PIW-3D	5/17/2021	16:00	4.4	0.04	105	2.2	86	17.1
PIW-7D	5/19/2021	14:45	3.7	0.05	130	3.5	93	18.9
PIW-7S	5/19/2021	15:35	5.3	0.05	11	14	129	18.8
PW-04	5/10/2021	13:25	3.6	0.6	373	3.0	194	26.5
PW-06	5/10/2021	11:35	5.0	2.2	254	0.56	51	18.1
PW-07	5/7/2021	12:25	4.9	6.6	195	1.2	33	18.7
PW-09	5/13/2021	15:25	7.1	0.08	-140	108	87	20.1
PZ-22	5/19/2021	11:55	4.6	0.08	138	5.3	84	19.2
SMW-10	5/21/2021	11:15	5.3	0.03	-24	0.69	89	18.5
SMW-11	5/12/2021	14:40	4.4	5.5	120	0.00	33	13.8
SMW-12	5/21/2021	11:40	3.6	0.07	-46	4.7	226	18.2

TABLE A7
GROUNDWATER FIELD PARAMETERS
Chemours Fayetteville Works, North Carolina

Location	Date	Time	pH (S.U.)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Specific Conductance (µS/cm)	Temperature (°C)
LTW-01	6/23/2021	16:00	3.8	0.1	299	1.6	121	17.8
LTW-02	6/23/2021	16:55	4.9	0.05	171	4.9	69	18.4
LTW-03	6/24/2021	13:55	4.5	0.02	206	0.00	84	18.3
LTW-04	6/24/2021	11:20	4.7	0.07	227	7.2	82	17.3
LTW-05	6/22/2021	13:05	4.3	0.05	65	15	113	19.3
PIW-1D	6/3/2021	11:55	3.7	0.04	366	12	139	21.3
PIW-1S	6/21/2021	10:30	4.4	3.4	242	7.0	164	25.3
PIW-1S	6/21/2021	15:20	4.5	5.0	335	30	168	28.7
PIW-1S	6/22/2021	10:30	4.5	7.2	282	16	154	24.4
PIW-1S	6/22/2021	15:50	4.3	5.0	258	7.5	108	22.6
PIW-3D	6/23/2021	15:10	4.2	0.02	46	11	87	17.6
PIW_7D	6/24/2021	14:40	4.2	0.07	200	0.06	84	18.3
PIW-7S	6/24/2021	14:35	5.6	0.02	9	4.8	126	18.3
PW-04	6/21/2021	14:50	3.2	0.2	381	6.8	138	21.7
PW-06	6/3/2021	10:55	4.5	2.8	157	1.3	40	19.6
PW-07	6/21/2021	13:15	4.5	7.7	281	16	30	26.5
PW-09	6/23/2021	14:50	7.1	2.2	-26	297	73	24.4
PZ-22	6/24/2021	11:20	4.5	0.06	104	0.00	82	17.4
SMW-10	6/4/2021	11:30	5.4	0.5	43	9.0	70	19.0
SMW-11	6/4/2021	13:15	3.9	4.9	268	14	28	16.8
SMW-12	6/23/2021	11:20	3.7	0.04	-7	1.6	227	18.7

Notes:
NS - not sampled
> - greater than
°C - degrees Celsius
mg/L - milligrams per liter
µS/cm - microsiemens per centimeter
mV- millivolts
NTU - nephelometric Turbidity Unit
S.U. - Standard Units
1 - samples collected at PW-09 were field filtered before lab analysis due to high turbidity.





Legend

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

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

Notes:
HFPO-DA - hexafluoropropylene oxide dimer acid

1. Seep A flow-through cell became operational on 28 April 2021, after the April 2021 seep sampling.
2. Lock and Dam Seep was not sampled during the April 2021 event.
3. All results are in nanograms per liter (ng/L).
4. 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.
5. Non-detect values were not included in sum of total Table 3+ results.
6. Total Table 3+ results include J-qualified data.
7. 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.
8. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - April 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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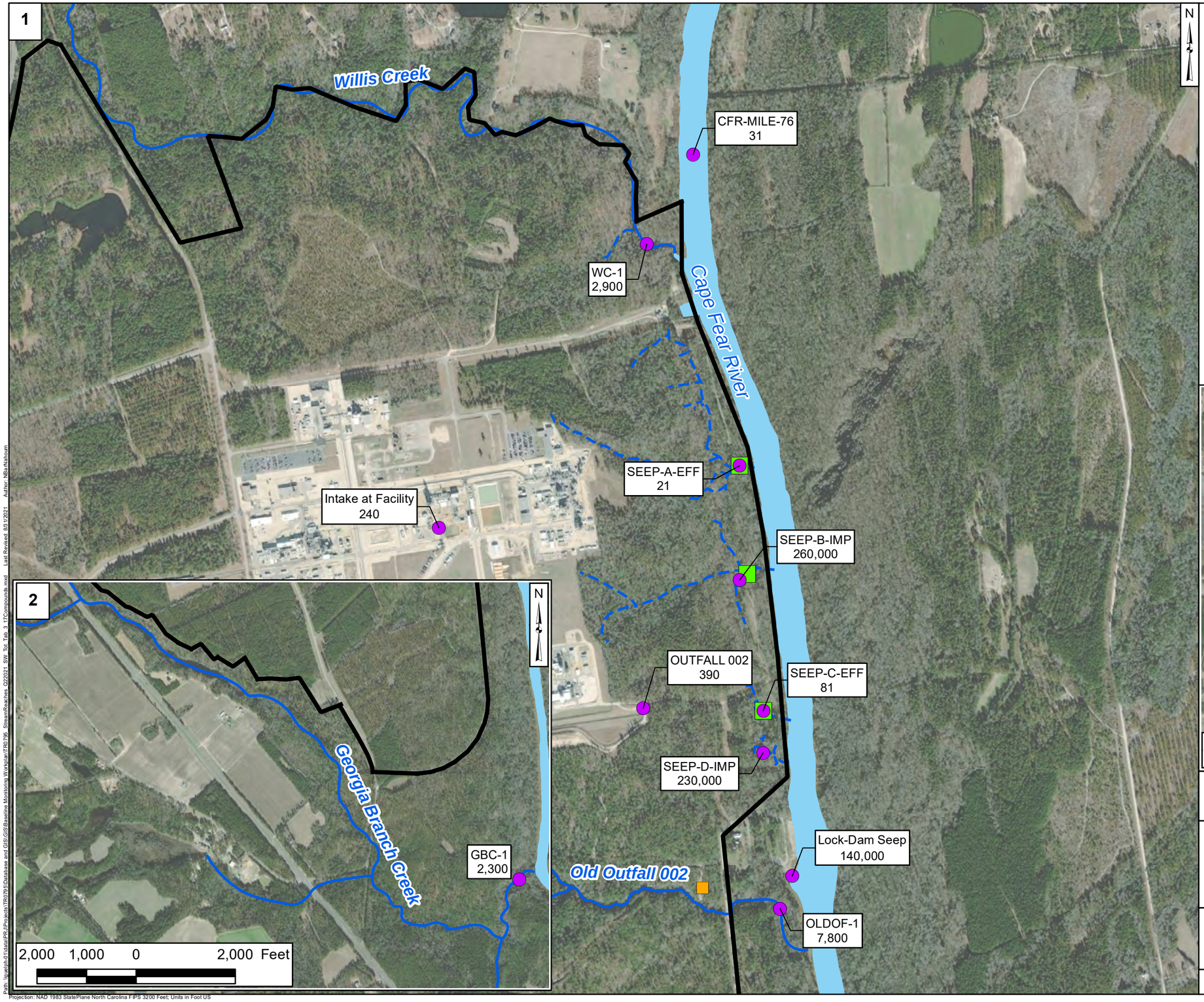
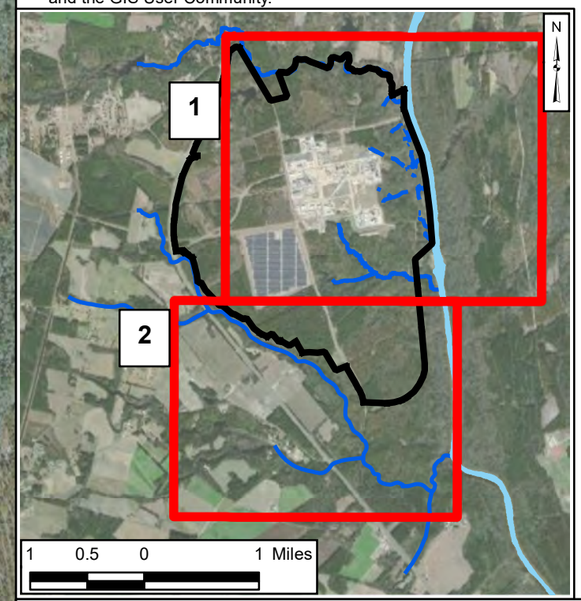
Figure
A1-1

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_StreamReaches_Q22021_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 8/31/2021 Author: NBarNahoum

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





Legend

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

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

Notes:
HFPO-DA - hexafluoropropylene oxide dimer acid

1. Seep B flow-through cell became operational on 8 June 2021, after the May 2021 sampling event.
2. All results are in nanograms per liter (ng/L).
3. Total Table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
4. Non-detect values were not included in sum of total Table 3+ results.
5. Total Table 3+ results include J-qualified data.
6. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
7. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - May 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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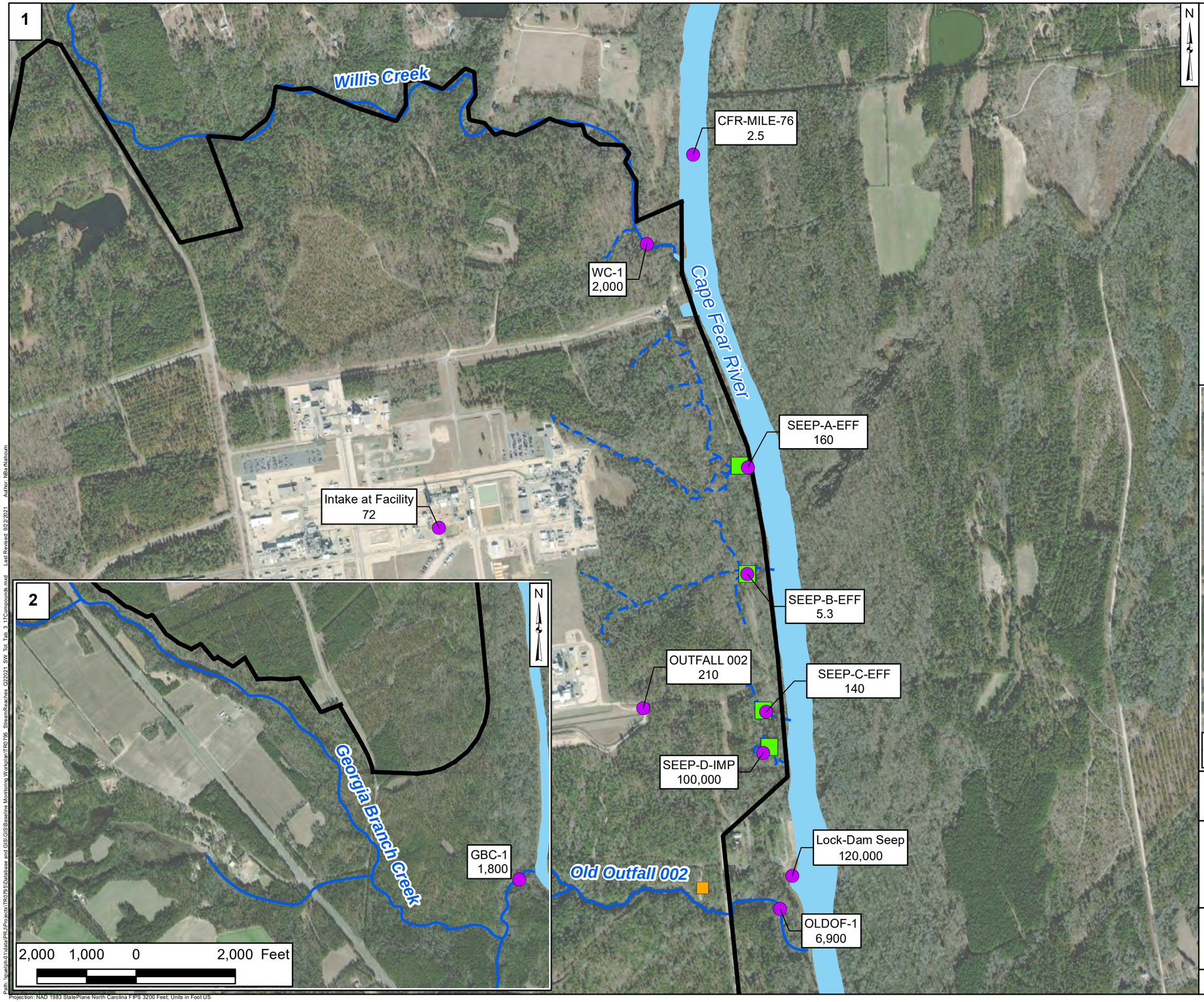
Figure
A1-2

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0796_StreamReaches_Q22021_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 8/31/2021 Author: NBarNahoum
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



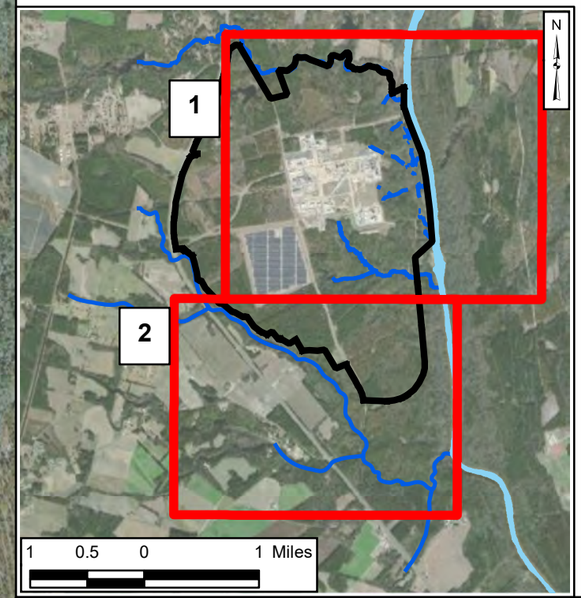
Legend

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

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

Notes:
HFPO-DA - hexafluoropropylene oxide dimer acid

1. Seep D flow-through cell became operational on 24 June 2021, after the June 2021 seep sampling.
2. All results are in nanograms per liter (ng/L).
3. Total Table 3+ concentration includes HFPO-DA results evaluated by EPA Method 537 Mod and does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
4. Non-detect values were not included in sum of total Table 3+ results.
5. Total Table 3+ results include J-qualified data.
6. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
7. Basemap sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



1,000 500 0 1,000 Feet

Total Table 3+ Concentrations (17 Compounds) in Surface Water - June 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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Figure **A1-3**

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

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_StreamReaches_Q22021_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 9/22/2021 Author: NBarNahoum

1

CFR-MILE-54
--
26
--

CFR-MILE-76
2.5
31
2.5

CFR-BLADEN
100
200
53

CFR-TARHEEL*
110 / 140 / 160
95 / 150 / --
50 / 55 / --

2 - Upstream

HAW-RIVER-END
--
18
--

DEEP-RIVER-END
--
16
--

2,000 1,000 0 2,000 Feet

3 - Downstream

CFR-KINGS
97
130
69

2 1 0 2 Miles

N

Legend

- Sample Location
- Cape Fear River
- Site Boundary
- Other Rivers

CFR-BLADEN
100
200
53

- Location Name
- April 2021
- May 2021
- June 2021

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

1
2
3

30 15 0 30 Miles

2 1 0 2 Miles

Cape Fear River Total Table 3+ Concentrations (17 Compounds) - Q2 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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Raleigh | September 2021

Figure
A2

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring\Workplan\TR0795_RiverSamples Q22021_SW_Tot_Tab_3_17Compounds.mxd Last Revised: 8/27/2021 Author: Tlp

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

1

CFR-MILE-54
--
<2 UJ
--

N

2 - Upstream

N

HAW-RIVER-END
--
<2 UJ
--

DEEP-RIVER-END
--
<2 UJ
--

2,000 1,000 0 2,000 Feet

3 - Downstream

N

CFR-KINGS
12
18
6.7

2 1 0 2 Miles

CFR-MILE-76
<2
2 J
<2 UJ

CFR-BLADEN
13
23 J
7.2

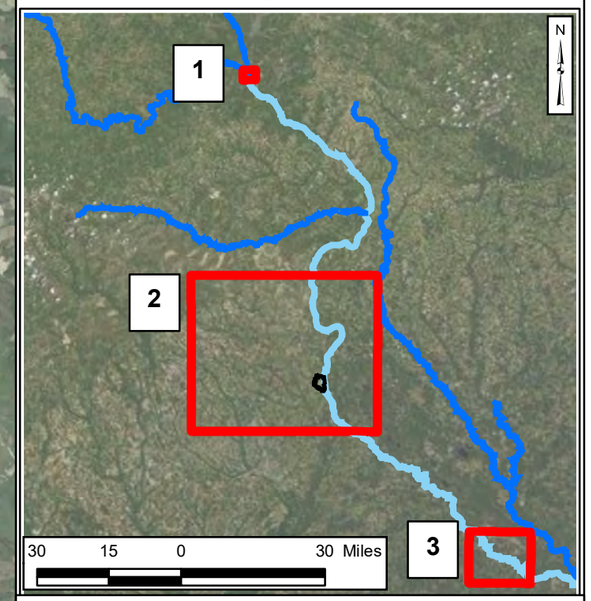
CFR-TARHEEL*
15 / 23 / 25
18 / 21 / --
7.2 / 6.6 / --

Legend

- Sample Location
- Cape Fear River
- Site Boundary
- Other Rivers

CFR-BLADEN ← Location Name
13 ← April 2021
23 J ← May 2021
7.2 ← June 2021

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



2 1 0 2 Miles

Cape Fear River HFPO-DA Concentrations - Q2 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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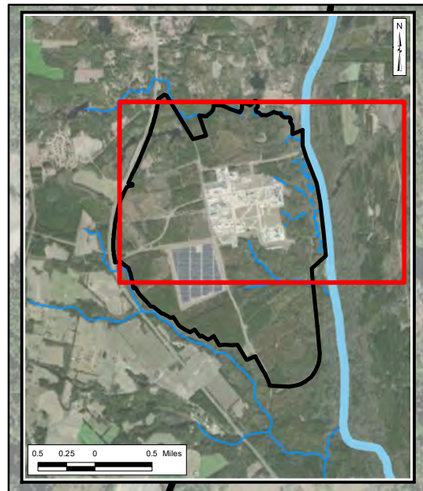
Figure A3

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring\Workplan\TR0795_RiverSamples Q22021_SW_HFPODA.mxd Last Revised: 8/27/2021 Author: Tlp

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



Willis Creek

Cape Fear River

Seep A

Seep B

Seep C

Seep D

SMW-03 Dry
SMW-02 132.84
SMW-04A 111.35
SMW-06 Dry
SMW-05 125.2
PZ-12 130.97
PW-01 135.84
NAF-03 140.75
NAF-07 140.69
NAF-06 134.03
SMW-08 Dry
PZ-11 142.14
NAF-02 141.04
NAF-11A 135.84
PZ-21R 139.07
NAF-04 141.12
SMW-07 127.47
PZ-35 139.06
FTA-01 133.49
PZ-20R 139.83
NAF-12 140.68
NAF-08A 140.06
FTA-02 131.93
NAF-01 141.24
PZ-13 137.56
NAF-10 138.45
FTA-03 132.79
PZ-19R 137.98
NAF-09 137.52
MW-7S 137.76
MW-24 129.25
MW-12S 131.63
MW-8S NM
MW-30 135.2
PZ-14 138.75
MW-1S 130.4
MW-9S 133.64
PZ-15 134.82
MW-25 134.3
MW-26 136.42
PZ-17 121.85
PZ-28 135.56
MW-23 134.43
PZ-45 133.21
MW-11 125.06
PZ-41 134.92
PZ-42 134.74
MW-27 132.12
PZ-40 134.46
PZ-36 132.56
PZ-39 134.29
PZ-26 135.65
PZ-44 133.28
PZ-27 132.97
PZ-37 132.88
PZ-43 130.6
MW-28 130.55
PZ-38 Dry
PZ-24 133.44
PZ-25R Dry

130
135
140

Pilot Test Area for Plum eStop™

PZ-31 129.94
PZ-32 132.96
MW-31 131.64
PZ-29 133.08
MW-34 131.97
PZ-33 132.51
MW-35 132.06
MW-33 132.31
PZ-34 131.7
MW-36 132.12
MW-32 132.8

70 35 0 70 Feet

Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on April 8, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - April 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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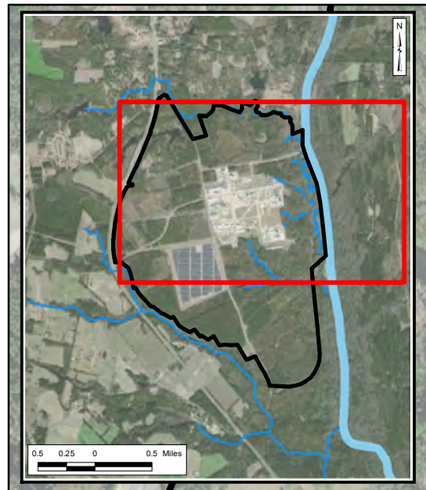
Figure
A4-1

Path: \\quelph-01\vol\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Perched Q22021.mxd Last Revised: 8/10/2021 Author: NBaeNahoum

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



Willis Creek

SMW-10
47.46

SMW-11
60.21

INSITU-02
Dry

INSITU-01
84.66

MW-19D
91.15

SMW-09
88.55

MW-20D
92.45

MW-18D
90.75

SMW-02B
93.28

PW-02
92.58

SMW-04B
105.29

MW-21D
109.91

SMW-05P
108.21

SMW-06B
105.45

NAF-11B
94.49

MW-22D
115.87

SMW-08B
110.46

MW-15DRR
104.58

PIW-5S
61.87

MW-17D
120.8

MW-16D
115.09

NAF-08B
94.77

Cape Fear River

Seep A

Seep B

PW-03
106.62

MW-13D
105.48

MW-14D
112.04

PZ-L
117.82

PIW-16S
136.79

PIW-9S
51.97

Seep C

PW-05
125.13

Seep D

SMW-01
139.27

PIW-10S
57.75

PW-04
74.7

60 70 80 90 100 110 120 130 140 120 100 90 80 60 70

N

Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on April 8, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - April 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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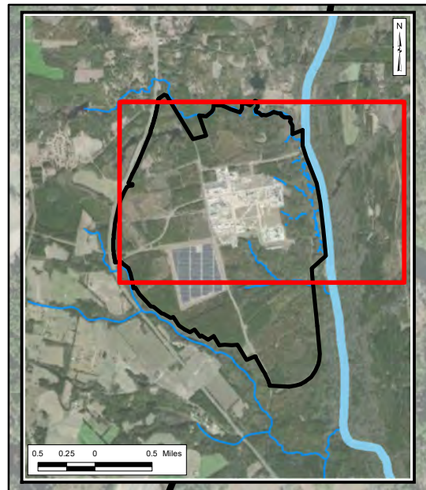
Figure
A4-2

Path: P:\PR\J\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_Surficial_Q22021.mxd Last Revised: 7/27/2021 Author: NBarNahoum

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



Willis Creek

PW-09 48.62
PIW-11 45.89
PIW-12 35.88
PIW-13 36.79
SMW-12 36.67
PIW-14 37.65
PIW-15 35.4
PIW-1S 34.53
PIW-1D 35.96
PIW-3D 37.52
LTW-01 37.45
OW-1 60.59
OW-10 60.67
EW-1 60.41
PIW-2D 60.51
BCA-01 87.27
SMW-03B 96.88
PW-12 95.56
PW-15R 76.18
LTW-02 42.05
PIW-4D 42.47
BCA-03R 102.87
EW-4 50.74
OW-2 50.46
OW-3 50.24
PW-10R 49.29
PIW-6S 39.91
LTW-03 39.83
PW-13 120.03
PW-14 88.17
PZ-22 41.39
LTW-04 41.24
EW-5 44.45
OW-7 44.38
OW-8 43.62
PIW-7S 42.16
PIW-7D 42.63
LTW-05 41.39
PIW-16D 133.21
PIW-8D 41.46
BCA-02 76.06
PIW-9D 42.19
EW-2 44.96
OW-6 42.57
BCA-04 125.49
PIW-10DR 62.88
EW-3 62.77
OW-4 62.77
OW-5 62.94
OW-9 62.9
PW-11 43.56

Cape Fear River

Seep A
Seep B
Seep C
Seep D

40 50 60 70 80 90

N

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on April 8, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - April 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | September 2021

Figure
A4-3

Path: \\gueiph-01\dat\#PDJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q2\2021.mxd Last Revised: 7/22/2021 Author: NBarhoum

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

Willis Creek

Cape Fear River

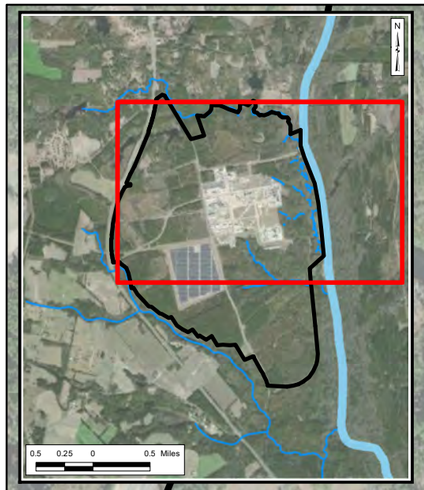
Seep A

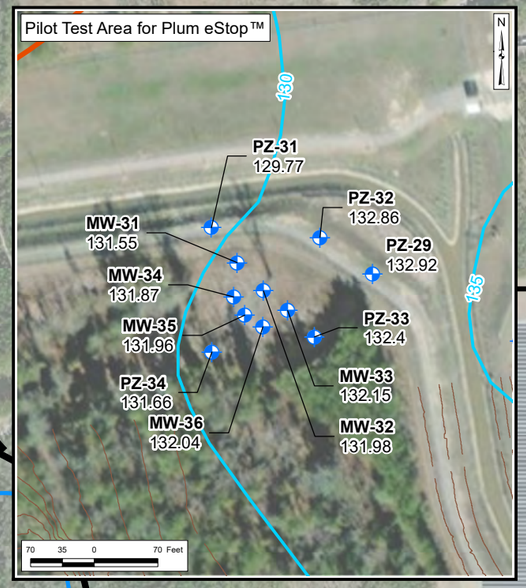
Seep B

Seep C

Seep D

SMW-03 Dry
SMW-02 131.99
SMW-04A 111.01
SMW-05 Dry
SMW-06 Dry
SMW-08 116.8
SMW-07 127.35
PZ-12 130.53
PW-01 134.97
PZ-11 141.33
PZ-21R 138.36
PZ-35 138.42
PZ-20R 137.27
FTA-01 133.08
FTA-02 131.76
FTA-03 132.55
MW-24 129
MW-1S 130.01
PZ-17 121.82
MW-11 125.13
PZ-41 135.12
PZ-40 134.48
PZ-39 134.27
PZ-26 136.99
PZ-27 133.08
PZ-43 131.44
PZ-38 128.48
PZ-25R 128.5
PZ-24 133.61
MW-28 130.35
PZ-37 132.51
PZ-44 133.2
PZ-36 132.12
MW-27 131.78
PZ-45 133.04
MW-26 136.2
MW-25 133.91
MW-23 134.14
PZ-42 135.51
PZ-28 135.18
PZ-15 134.8
MW-9S 133.32
MW-8S Dry
MW-12S 131.23
MW-7S 137.24
PZ-19R 137.41
NAF-10 137.62
NAF-01 140.51
NAF-12 139.82
NAF-08A 138.89
NAF-04 140.31
NAF-02 140.22
NAF-07 139.8
NAF-03 140
NAF-06 133.75
NAF-11A 134.81
PZ-13 136.83
NAF-09 136.79
MW-30 134.53
PZ-14 137.89
130
135
140





Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on May 3, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - May 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

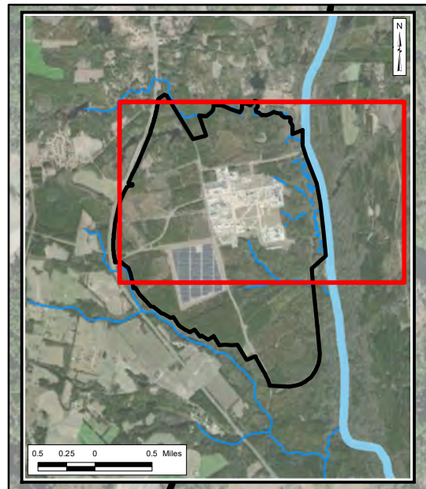
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | September 2021

Figure
A5-1

Path: \\raleph-01\vol4\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Perched Q22021.mxd Last Revised: 8/10/2021 Author: NBaeNahoum

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



Willis Creek

SMW-11
59.8

SMW-10
47.09

INSITU-02
Dry

INSITU-01
84.2

MW-19D
90.6

SMW-09
88.37

MW-20D
92.1

MW-18D
90.35

SMW-02B
92.72

PW-02
92.56

SMW-04B
105.01

MW-21D
109.42

SMW-05P
108.15

SMW-06B
105.45

NAF-11B
94.36

MW-22D
116

SMW-08B
110.55

MW-15DRR
104.9

PIW-5S
61.61

MW-17D
120.6

MW-16D
115.26

NAF-08B
94.88

Cape Fear River

Seep A

Seep B

PW-03
106.45

MW-13D
105.48

MW-14D
111.98

PZ-L
117.83

PIW-16S
135.95

PIW-9S
51.1

PW-05
124.47

Seep C

Seep D

SMW-01
138.68

PIW-10S
57.74

PW-04
73.43

80 90 100 110 120 130 60 70 110 100 90 80 70 60 130 120

N

Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on May 3, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - May 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

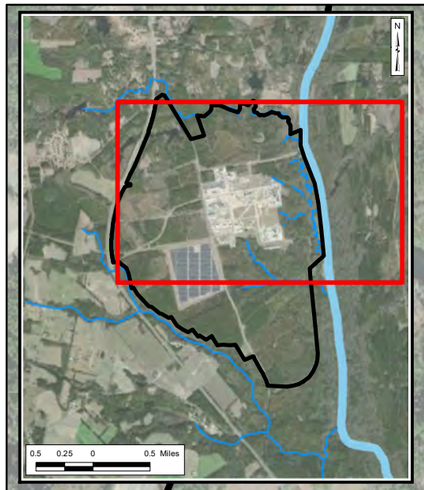
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | September 2021

Figure
A5-2

Path: \\gulph-01\#af\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Mass_Surficial_Q22021.mxd Last Revised: 8/10/2021 Author: NBarNahoum

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



Willis Creek

PW-09 48.28
PIW-11 45.55
PIW-12 35.25
PIW-13 35.91
SMW-12 35.78
PIW-14 36.76
PIW-15 34.34
PIW-1S 33.19
PIW-1D 34.19
PIW-3D 36.76
LTW-01 36.83
OW-1 60.54
OW-10 60.6
EW-1 60.37
PIW-2D 60.48
BCA-01 86.94
SMW-03B 96.63
PW-12 95.2
PW-15R 76.18
LTW-02 42.06
PIW-4D 42.39
BCA-03R 103.04
EW-4 49.6
PW-10R 47.95
OW-2 49.23
OW-3 48.98
PIW-6S 38.74
LTW-03 38.62
PW-13 120.09
PZ-22 40.27
LTW-04 39.96
PW-14 87.92
EW-5 42.99
OW-7 42.89
OW-8 42.16
PIW-7S 40.81
PIW-7D 41.39
LTW-05 40.43
PIW-16D 132.52
PIW-8D 40.49
BCA-02 75.91
PIW-9D 41.23
EW-2 44
OW-6 41.52
BCA-04 124.98
PIW-10DR 62.35
EW-3 62.51
OW-4 62.51
OW-5 62.72
OW-9 62.65
PW-11 42.66

Cape Fear River

Seep A
Seep B
Seep C
Seep D

50 60 70 80 90

N

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on May 3, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - May 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | September 2021

Figure
A5-3

Path: \\gueiph-01\dat\#PDJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q220121.mxd Last Revised: 7/22/2021 Author: NBarhoum

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

Willis Creek

Cape Fear River

Seep A

Seep B

Seep C

Seep D

SMW-03
Dry

SMW-02
131.06

SMW-04A
110.98

SMW-05
125.18

SMW-06
Dry

SMW-08
Dry

SMW-07
127.31

PZ-12
130.06

PW-01
134.58

NAF-07
139.88

NAF-03
137.74

NAF-06
133.99

NAF-11A
134.17

PZ-11
140.61

NAF-02
139.69

PZ-21R
137.8

NAF-04
139.94

PZ-35
137.99

NAF-12
NM

FTA-01
133.87

PZ-20R
136.8

NAF-08A
139.43

FTA-02
131.77

NAF-01
139.98

PZ-13
137.43

NAF-10
137.44

FTA-03
132.65

PZ-19R
137.03

NAF-09
136.44

MW-24
128.62

MW-7S
137.08

MW-12S
130.87

MW-8S
Dry

MW-30
134.28

PZ-14
136.37

MW-1S
129.87

MW-9S
133.25

PZ-15
134.81

MW-25
133.71

MW-26
135.86

PZ-17
121.84

PZ-28
135.61

MW-23
133.97

PZ-42
135.29

PZ-45
133.06

MW-11
125.14

PZ-41
135.08

MW-27
131.89

PZ-40
134.6

PZ-36
132.48

PZ-39
134.32

PZ-44
133.13

PZ-26
137.07

PZ-37
133.03

PZ-27
133.15

MW-28
130.59

PZ-43
132.06

PZ-24
133.6

PZ-38
130.32

PZ-25R
128.49

130

135

140

0.5 0.25 0 0.5 Miles

N

Pilot Test Area for Plum eStop™

PZ-31
130.02

PZ-32
133.16

PZ-29
133.34

MW-31
131.76

MW-34
132.08

MW-35
132.19

PZ-33
132.7

MW-33
132.47

PZ-34
131.8

MW-36
132.24

MW-32
132.22

70 35 0 70 Feet

Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on June 7, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
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5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Perched Zone - June 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

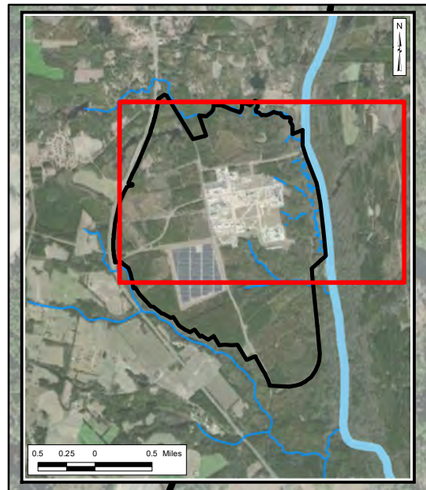
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | September 2021

Figure
A6-1

Path: \\qualph-01\staff\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795 GW Contours Maps Perched Q22021.mxd Last Revised: 8/10/2021 Author: NBaeNahoum

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



Willis Creek

SMW-10
46.94

SMW-11
59.34

INSITU-02
Dry

INSITU-01
83.88

MW-19D
89.9

SMW-09
87.77

MW-20D
92

MW-18D
89.72

SMW-02B
92.32

PW-02
92.05

SMW-04B
104.4

MW-21D
108.51

SMW-05P
107.64

SMW-06B
105.02

NAF-11B
94.25

MW-22D
115.63

SMW-08B
110.14

MW-15DRR
104.67

PIW-5S
61.42

MW-17D
119.81

MW-16D
114.85

NAF-08B
95.03

Cape Fear River

Seep A

Seep B

PW-03
106.27

MW-13D
105.19

MW-14D
NM

PZ-L
117.83

PIW-16S
134.78

PIW-9S
50.5

PW-05
123.5

Seep C

Seep D

SMW-01
138.16

PIW-10S
57.7

PW-04
72.13

60 70 80 90 100 110 120 130 140

Legend

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

Notes:
NM - Not measured
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on June 7, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Surficial Aquifer - June 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

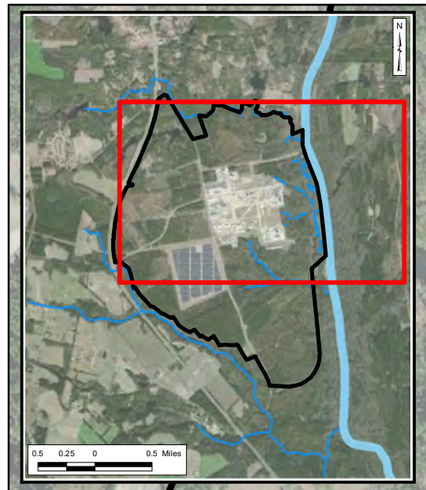
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | September 2021

Figure
A6-2

Path: \\gultph-01\#AFPRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Mass_Surficial_Q22021.mxd Last Revised: 8/10/2021 Author: NBarNahoum

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



Willis Creek

PW-09 48.08
PIW-11 45.52
PIW-12 34.86
PIW-13 35.23
SMW-12 35.01
PIW-14 36.04
PIW-15 33.94
PIW-1S 32.99
PIW-1D 33.87
PIW-3D 36.48
LTW-01 36.67
OW-1 60.29
OW-10 60.35
EW-1 60.12
PIW-2D 60.24
BCA-01 89.01
SMW-03B 95.92
PW-12 94.59
PW-15R 78.16
LTW-02 42.51
PIW-4D 42.83
BCA-03R 102.79
EW-4 49.85
PW-10R 48.44
OW-2 49.5
OW-3 49.3
PIW-6S 39.12
LTW-03 39.02
PW-13 119.86
PZ-22 42.94
LTW-04 42.32
PW-14 87.74
EW-5 44.7
OW-7 44.7
OW-8 43.94
PIW-7S 42.28
PIW-7D 43.04
LTW-05 41.2
PIW-16D 131.62
PIW-8D 41.24
BCA-02 75.59
PIW-9D 41.69
EW-2 44.59
OW-6 42.32
BCA-04 124.17
PIW-10DR 62.04
EW-3 62.11
OW-4 62.11
OW-5 62.3
OW-9 62.24
PW-11 36.86

Cape Fear River

Seep A
Seep B
Seep C
Seep D

40 50 60 70 80 90

N

Legend

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

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on June 7, 2021.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
5. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map
Black Creek Aquifer - June 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

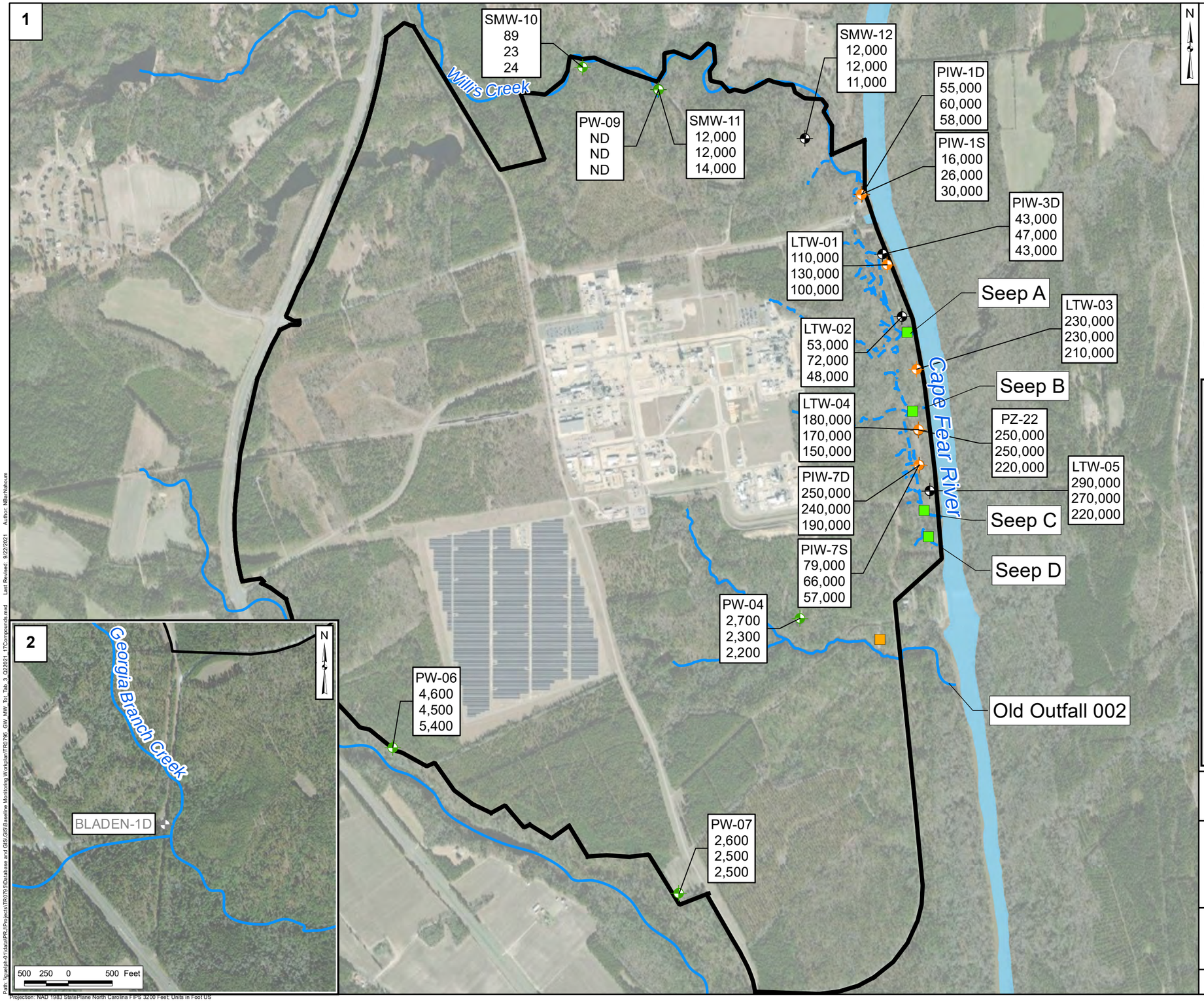
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Raleigh | September 2021

Figure
A6-3

Path: \\gsuleh-01\data\PROJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Contours_Maps_BlackCreek_Q2\21.mxd Last Revised: 7/22/2021 Author: NBarkhaoum

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



Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Damaged
- Flow-Through Cell
- Old Outfall 002 Treatment System
- Observed Seep
- Nearby Tributary
- Site Boundary

PIW-1D
55,000 — April 2021
60,000 — May 2021
58,000 — June 2021

Notes:
HFPO-DA - hexafluoropropylene oxide dimer acid
ND - no Table 3+ analytes (17 compounds) were detected above the associated reporting limits

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

Total Table 3+ Concentrations (17 Compounds) in Groundwater - Q2 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Raleigh | September 2021

Figure **A7**

Path: \\gueiph-01\data\PR_J\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_MW_Tot_Tab_3_Q22021_17Compounds.mxd Last Revised: 9/22/2021 Author: NBarNahoum

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

APPENDIX B

Supplemental Tables

Geosyntec consultants

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

Supplemental Flow Tables

TABLE B1
SEEP A FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/25/2021	12:00:00 AM	1.345	0.45	85.19	2,556
5/25/2021	12:30:00 AM	1.346	0.45	85.36	2,561
5/25/2021	1:00:00 AM	1.355	0.45	86.87	2,606
5/25/2021	1:30:00 AM	1.347	0.45	85.53	2,566
5/25/2021	2:00:00 AM	1.339	0.45	84.20	2,526
5/25/2021	2:30:00 AM	1.29	0.43	76.33	2,290
5/25/2021	3:00:00 AM	1.362	0.46	88.05	2,642
5/25/2021	3:30:00 AM	1.375	0.46	90.28	2,708
5/25/2021	4:00:00 AM	1.366	0.46	88.74	2,662
5/25/2021	4:30:00 AM	1.389	0.46	92.72	2,782
5/25/2021	5:00:00 AM	1.379	0.46	90.97	2,729
5/25/2021	5:30:00 AM	1.431	0.48	100.28	3,008
5/25/2021	6:00:00 AM	1.381	0.46	91.32	2,740
5/25/2021	6:30:00 AM	1.438	0.48	101.57	3,047
5/25/2021	7:00:00 AM	1.383	0.46	91.67	2,750
5/25/2021	7:30:00 AM	1.418	0.47	97.90	2,937
5/25/2021	8:00:00 AM	1.377	0.46	90.63	2,719
5/25/2021	8:30:00 AM	1.446	0.48	103.06	3,092
5/25/2021	9:00:00 AM	1.379	0.46	90.97	2,729
5/25/2021	9:30:00 AM	1.414	0.47	97.17	2,915
5/25/2021	10:00:00 AM	1.36	0.46	87.71	2,631
5/25/2021	10:30:00 AM	1.366	0.46	88.74	2,662
5/25/2021	11:00:00 AM	1.366	0.46	88.74	2,662
5/25/2021	11:30:00 AM	1.347	0.45	85.53	2,566
5/25/2021	12:00:00 PM	1.374	0.46	90.11	2,703
5/25/2021	12:30:00 PM	1.354	0.45	86.70	2,601
5/25/2021	1:00:00 PM	1.378	0.46	90.80	2,724
5/25/2021	1:30:00 PM	1.341	0.45	84.53	2,536
5/25/2021	2:00:00 PM	1.357	0.45	87.21	2,616
5/25/2021	2:30:00 PM	1.281	0.43	74.94	2,248
5/25/2021	3:00:00 PM	1.368	0.46	89.08	2,672
5/25/2021	3:30:00 PM	1.26	0.42	71.75	2,153
5/25/2021	4:00:00 PM	1.384	0.46	91.84	2,755
5/25/2021	4:30:00 PM	1.317	0.44	80.61	2,418
5/25/2021	5:00:00 PM	1.43	0.48	100.09	3,003
5/25/2021	5:30:00 PM	1.41	0.47	96.45	2,894
5/25/2021	6:00:00 PM	1.412	0.47	96.81	2,904
5/25/2021	6:30:00 PM	1.381	0.46	91.32	2,740
5/25/2021	7:00:00 PM	1.432	0.48	100.46	3,014
5/25/2021	7:30:00 PM	1.471	0.49	107.82	3,234
5/25/2021	8:00:00 PM	1.416	0.47	97.53	2,926
5/25/2021	8:30:00 PM	1.478	0.49	109.17	3,275
5/25/2021	9:00:00 PM	1.401	0.47	94.84	2,845
5/25/2021	9:30:00 PM	1.482	0.50	109.95	3,298
5/25/2021	10:00:00 PM	1.394	0.47	93.60	2,808
5/25/2021	10:30:00 PM	1.41	0.47	96.45	2,894
5/25/2021	11:00:00 PM	1.368	0.46	89.08	2,672
5/25/2021	11:30:00 PM	1.338	0.45	84.03	2,521
5/26/2021	12:00:00 AM	1.356	0.45	87.04	2,611
5/26/2021	12:30:00 AM	1.342	0.45	84.69	2,541
5/26/2021	1:00:00 AM	1.361	0.46	87.88	2,637
5/26/2021	1:30:00 AM	1.328	0.44	82.39	2,472
5/26/2021	2:00:00 AM	1.351	0.45	86.20	2,586

TABLE B1
SEEP A FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/26/2021	2:30:00 AM	1.324	0.44	81.74	2,452
5/26/2021	3:00:00 AM	1.356	0.45	87.04	2,611
5/26/2021	3:30:00 AM	1.359	0.45	87.54	2,626
5/26/2021	4:00:00 AM	1.371	0.46	89.59	2,688
5/26/2021	4:30:00 AM	1.381	0.46	91.32	2,740
5/26/2021	5:00:00 AM	1.37	0.46	89.42	2,683
5/26/2021	5:30:00 AM	1.386	0.46	92.19	2,766
5/26/2021	6:00:00 AM	1.37	0.46	89.42	2,683
5/26/2021	6:30:00 AM	1.4	0.47	94.66	2,840
5/26/2021	7:00:00 AM	1.373	0.46	89.94	2,698
5/26/2021	7:30:00 AM	1.415	0.47	97.35	2,921
5/26/2021	8:00:00 AM	1.374	0.46	90.11	2,703
5/26/2021	8:30:00 AM	1.38	0.46	91.15	2,734
5/26/2021	9:00:00 AM	1.36	0.46	87.71	2,631
5/26/2021	9:30:00 AM	1.311	0.44	79.64	2,389
5/26/2021	10:00:00 AM	1.375	0.46	90.28	2,708
5/26/2021	10:30:00 AM	1.318	0.44	80.77	2,423
5/26/2021	11:00:00 AM	1.388	0.46	92.54	2,776
5/26/2021	11:30:00 AM	1.351	0.45	86.20	2,586
5/26/2021	12:00:00 PM	1.391	0.47	93.07	2,792
5/26/2021	12:30:00 PM	1.34	0.45	84.36	2,531
5/26/2021	1:00:00 PM	1.375	0.46	90.28	2,708
5/26/2021	1:30:00 PM	1.26	0.42	71.75	2,153
5/26/2021	2:00:00 PM	1.364	0.46	88.39	2,652
5/26/2021	2:30:00 PM	1.236	0.41	68.21	2,046
5/26/2021	3:00:00 PM	1.383	0.46	91.67	2,750
5/26/2021	3:30:00 PM	1.319	0.44	80.93	2,428
5/26/2021	4:00:00 PM	1.372	0.46	89.76	2,693
5/26/2021	4:30:00 PM	1.3	0.43	77.90	2,337
5/26/2021	5:00:00 PM	1.397	0.47	94.13	2,824
5/26/2021	5:30:00 PM	1.366	0.46	88.74	2,662
5/26/2021	6:00:00 PM	1.401	0.47	94.84	2,845
5/26/2021	6:30:00 PM	1.364	0.46	88.39	2,652
5/26/2021	7:00:00 PM	1.402	0.47	95.02	2,851
5/26/2021	7:30:00 PM	1.422	0.48	98.63	2,959
5/26/2021	8:00:00 PM	1.413	0.47	96.99	2,910
5/26/2021	8:30:00 PM	1.459	0.49	105.52	3,166
5/26/2021	9:00:00 PM	1.378	0.46	90.80	2,724
5/26/2021	9:30:00 PM	1.423	0.48	98.81	2,964
5/26/2021	10:00:00 PM	1.358	0.45	87.38	2,621
5/26/2021	10:30:00 PM	1.391	0.47	93.07	2,792
5/26/2021	11:00:00 PM	1.344	0.45	85.03	2,551
5/26/2021	11:30:00 PM	1.348	0.45	85.69	2,571
Total					**127,877**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B2
SEEP A FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/15/2021	12:01:15 AM	0.752	0.25	18.46	554
6/15/2021	12:31:15 AM	0.707	0.24	15.70	471
6/15/2021	1:01:15 AM	0.688	0.23	14.61	438
6/15/2021	1:31:15 AM	0.508	0.17	6.58	197
6/15/2021	2:01:15 AM	0.727	0.24	16.89	507
6/15/2021	2:31:15 AM	0.715	0.24	16.17	485
6/15/2021	3:01:15 AM	0.715	0.24	16.17	485
6/15/2021	3:31:15 AM	0.699	0.23	15.23	457
6/15/2021	4:01:15 AM	0.717	0.24	16.29	489
6/15/2021	4:31:15 AM	0.692	0.23	14.84	445
6/15/2021	5:01:15 AM	0.748	0.25	18.21	546
6/15/2021	5:31:15 AM	0.782	0.26	20.46	614
6/15/2021	6:01:15 AM	0.781	0.26	20.40	612
6/15/2021	6:31:15 AM	0.803	0.27	21.94	658
6/15/2021	7:01:15 AM	0.773	0.26	19.85	596
6/15/2021	7:31:15 AM	1.311	0.44	79.64	2,389
6/15/2021	8:01:15 AM	1.402	0.47	95.02	2,851
6/15/2021	8:31:15 AM	1.432	0.48	100.46	3,014
6/15/2021	9:01:15 AM	1.406	0.47	95.73	2,872
6/15/2021	9:31:15 AM	1.385	0.46	92.02	2,761
6/15/2021	10:01:15 AM	1.424	0.48	98.99	2,970
6/15/2021	10:31:15 AM	1.383	0.46	91.67	2,750
6/15/2021	11:01:15 AM	1.447	0.48	103.25	3,098
6/15/2021	11:31:15 AM	1.445	0.48	102.88	3,086
6/15/2021	12:01:15 PM	1.42	0.48	98.26	2,948
6/15/2021	12:31:15 PM	1.402	0.47	95.02	2,851
6/15/2021	1:01:15 PM	1.426	0.48	99.36	2,981
6/15/2021	1:31:15 PM	1.42	0.48	98.26	2,948
6/15/2021	2:01:15 PM	1.388	0.46	92.54	2,776
6/15/2021	2:31:15 PM	1.365	0.46	88.56	2,657
6/15/2021	3:01:15 PM	1.357	0.45	87.21	2,616
6/15/2021	3:31:15 PM	1.289	0.43	76.18	2,285
6/15/2021	4:01:15 PM	1.391	0.47	93.07	2,792
6/15/2021	4:31:15 PM	1.42	0.48	98.26	2,948
6/15/2021	5:01:15 PM	1.388	0.46	92.54	2,776
6/15/2021	5:31:15 PM	1.457	0.49	105.14	3,154
6/15/2021	6:01:15 PM	1.368	0.46	89.08	2,672
6/15/2021	6:31:15 PM	1.381	0.46	91.32	2,740
6/15/2021	7:01:15 PM	1.371	0.46	89.59	2,688
6/15/2021	7:31:15 PM	1.439	0.48	101.76	3,053
6/15/2021	8:01:15 PM	1.37	0.46	89.42	2,683
6/15/2021	8:31:15 PM	1.447	0.48	103.25	3,098
6/15/2021	9:01:15 PM	1.384	0.46	91.84	2,755
6/15/2021	9:31:15 PM	1.451	0.49	104.00	3,120
6/15/2021	10:01:15 PM	1.345	0.45	85.19	2,556
6/15/2021	10:31:15 PM	1.386	0.46	92.19	2,766
6/15/2021	11:01:15 PM	1.333	0.45	83.21	2,496
6/15/2021	11:31:15 PM	1.349	0.45	85.86	2,576
6/16/2021	12:01:15 AM	1.374	0.46	90.11	2,703
6/16/2021	12:31:15 AM	1.423	0.48	98.81	2,964
6/16/2021	1:01:15 AM	1.325	0.44	81.90	2,457
6/16/2021	1:31:15 AM	1.327	0.44	82.23	2,467
6/16/2021	2:01:15 AM	1.378	0.46	90.80	2,724

TABLE B2
SEEP A FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/16/2021	2:31:15 AM	1.384	0.46	91.84	2,755
6/16/2021	3:01:15 AM	1.365	0.46	88.56	2,657
6/16/2021	3:31:15 AM	1.423	0.48	98.81	2,964
6/16/2021	4:01:15 AM	1.386	0.46	92.19	2,766
6/16/2021	4:31:15 AM	1.381	0.46	91.32	2,740
6/16/2021	5:01:15 AM	1.39	0.47	92.89	2,787
6/16/2021	5:31:15 AM	1.434	0.48	100.83	3,025
6/16/2021	6:01:15 AM	1.409	0.47	96.27	2,888
6/16/2021	6:31:15 AM	1.456	0.49	104.95	3,148
6/16/2021	7:01:15 AM	1.402	0.47	95.02	2,851
6/16/2021	7:31:15 AM	1.421	0.48	98.44	2,953
6/16/2021	8:01:15 AM	1.408	0.47	96.09	2,883
6/16/2021	8:31:15 AM	1.401	0.47	94.84	2,845
6/16/2021	9:01:15 AM	1.417	0.47	97.72	2,931
6/16/2021	9:31:15 AM	1.447	0.48	103.25	3,098
6/16/2021	10:01:15 AM	1.322	0.44	81.41	2,442
6/16/2021	10:31:15 AM	1.487	0.50	110.93	3,328
6/16/2021	11:01:15 AM	1.637	0.55	142.83	4,285
6/16/2021	11:31:15 AM	1.626	0.54	140.32	4,210
6/16/2021	12:01:15 PM	1.551	0.52	123.93	3,718
6/16/2021	12:31:15 PM	1.49	0.50	111.52	3,346
6/16/2021	1:01:15 PM	1.434	0.48	100.83	3,025
6/16/2021	1:31:15 PM	1.338	0.45	84.03	2,521
6/16/2021	2:01:15 PM	1.388	0.46	92.54	2,776
6/16/2021	2:31:15 PM	1.336	0.45	83.70	2,511
6/16/2021	3:01:15 PM	1.284	0.43	75.40	2,262
6/16/2021	3:31:15 PM	1.486	0.50	110.73	3,322
6/16/2021	4:01:15 PM	1.685	0.56	154.11	4,623
6/16/2021	4:31:15 PM	1.895	0.63	209.88	6,296
6/16/2021	5:01:15 PM	1.983	0.66	236.49	7,095
6/16/2021	5:31:15 PM	1.94	0.65	223.24	6,697
6/16/2021	6:01:15 PM	1.951	0.65	226.59	6,798
6/16/2021	6:31:15 PM	1.914	0.64	215.46	6,464
6/16/2021	7:01:15 PM	1.913	0.64	215.17	6,455
6/16/2021	7:31:15 PM	1.95	0.65	226.28	6,789
6/16/2021	8:01:15 PM	1.874	0.63	203.82	6,115
6/16/2021	8:31:15 PM	1.901	0.64	211.63	6,349
6/16/2021	9:01:15 PM	1.783	0.60	178.81	5,364
6/16/2021	9:31:15 PM	1.823	0.61	189.55	5,687
6/16/2021	10:01:15 PM	1.718	0.57	162.17	4,865
6/16/2021	10:31:15 PM	1.718	0.57	162.17	4,865
6/16/2021	11:01:15 PM	1.668	0.56	150.05	4,502
6/16/2021	11:31:15 PM	1.65	0.55	145.83	4,375
Total					**132,333**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B3
SEEP B FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/15/2021	12:00:00 AM	1.332	0.45	83.04	2,491
6/15/2021	12:30:00 AM	1.291	0.43	76.49	2,295
6/15/2021	1:00:00 AM	1.281	0.43	74.94	2,248
6/15/2021	1:30:00 AM	1.099	0.37	50.08	1,502
6/15/2021	2:00:00 AM	1.308	0.44	79.17	2,375
6/15/2021	2:30:00 AM	1.292	0.43	76.64	2,299
6/15/2021	3:00:00 AM	1.281	0.43	74.94	2,248
6/15/2021	3:30:00 AM	1.277	0.43	74.33	2,230
6/15/2021	4:00:00 AM	1.278	0.43	74.48	2,234
6/15/2021	4:30:00 AM	1.247	0.42	69.82	2,095
6/15/2021	5:00:00 AM	1.307	0.44	79.01	2,370
6/15/2021	5:30:00 AM	1.322	0.44	81.41	2,442
6/15/2021	6:00:00 AM	1.317	0.44	80.61	2,418
6/15/2021	6:30:00 AM	1.34	0.45	84.36	2,531
6/15/2021	7:00:00 AM	1.315	0.44	80.29	2,409
6/15/2021	7:30:00 AM	1.293	0.43	76.80	2,304
6/15/2021	8:00:00 AM	1.318	0.44	80.77	2,423
6/15/2021	8:30:00 AM	1.657	0.55	147.46	4,424
6/15/2021	9:00:00 AM	1.636	0.55	142.60	4,278
6/15/2021	9:30:00 AM	1.608	0.54	136.27	4,088
6/15/2021	10:00:00 AM	1.66	0.56	148.17	4,445
6/15/2021	10:30:00 AM	1.621	0.54	139.18	4,176
6/15/2021	11:00:00 AM	1.69	0.57	155.31	4,659
6/15/2021	11:30:00 AM	1.694	0.57	156.28	4,688
6/15/2021	12:00:00 PM	1.674	0.56	151.47	4,544
6/15/2021	12:30:00 PM	1.664	0.56	149.11	4,473
6/15/2021	1:00:00 PM	1.682	0.56	153.39	4,602
6/15/2021	1:30:00 PM	1.682	0.56	153.39	4,602
6/15/2021	2:00:00 PM	1.665	0.56	149.34	4,480
6/15/2021	2:30:00 PM	1.637	0.55	142.83	4,285
6/15/2021	3:00:00 PM	1.642	0.55	143.98	4,319
6/15/2021	3:30:00 PM	1.576	0.53	129.25	3,878
6/15/2021	4:00:00 PM	1.672	0.56	151.00	4,530
6/15/2021	4:30:00 PM	1.725	0.58	163.91	4,917
6/15/2021	5:00:00 PM	1.69	0.57	155.31	4,659
6/15/2021	5:30:00 PM	1.754	0.59	171.26	5,138
6/15/2021	6:00:00 PM	1.668	0.56	150.05	4,502
6/15/2021	6:30:00 PM	1.673	0.56	151.24	4,537
6/15/2021	7:00:00 PM	1.664	0.56	149.11	4,473
6/15/2021	7:30:00 PM	1.727	0.58	164.42	4,932
6/15/2021	8:00:00 PM	1.658	0.55	147.70	4,431
6/15/2021	8:30:00 PM	1.731	0.58	165.42	4,963
6/15/2021	9:00:00 PM	1.659	0.56	147.93	4,438
6/15/2021	9:30:00 PM	1.726	0.58	164.16	4,925
6/15/2021	10:00:00 PM	1.618	0.54	138.51	4,155
6/15/2021	10:30:00 PM	1.645	0.55	144.67	4,340
6/15/2021	11:00:00 PM	1.596	0.53	133.61	4,008
6/15/2021	11:30:00 PM	1.604	0.54	135.38	4,061
6/16/2021	12:00:00 AM	1.626	0.54	140.32	4,210
6/16/2021	12:30:00 AM	1.67	0.56	150.52	4,516
6/16/2021	1:00:00 AM	1.574	0.53	128.82	3,865
6/16/2021	1:30:00 AM	1.564	0.52	126.68	3,800
6/16/2021	2:00:00 AM	1.61	0.54	136.71	4,101

TABLE B3
SEEP B FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/16/2021	2:30:00 AM	1.612	0.54	137.16	4,115
6/16/2021	3:00:00 AM	1.586	0.53	131.42	3,943
6/16/2021	3:30:00 AM	1.642	0.55	143.98	4,319
6/16/2021	4:00:00 AM	1.598	0.53	134.05	4,022
6/16/2021	4:30:00 AM	1.6	0.54	134.49	4,035
6/16/2021	5:00:00 AM	1.603	0.54	135.16	4,055
6/16/2021	5:30:00 AM	1.65	0.55	145.83	4,375
6/16/2021	6:00:00 AM	1.619	0.54	138.73	4,162
6/16/2021	6:30:00 AM	1.655	0.55	146.99	4,410
6/16/2021	7:00:00 AM	1.601	0.54	134.71	4,041
6/16/2021	7:30:00 AM	1.622	0.54	139.41	4,182
6/16/2021	8:00:00 AM	1.607	0.54	136.05	4,081
6/16/2021	8:30:00 AM	1.606	0.54	135.82	4,075
6/16/2021	9:00:00 AM	1.617	0.54	138.28	4,149
6/16/2021	9:30:00 AM	1.652	0.55	146.29	4,389
6/16/2021	10:00:00 AM	1.62	0.54	138.96	4,169
6/16/2021	10:30:00 AM	1.654	0.55	146.76	4,403
6/16/2021	11:00:00 AM	1.624	0.54	139.86	4,196
6/16/2021	11:30:00 AM	1.623	0.54	139.64	4,189
6/16/2021	12:00:00 PM	1.627	0.54	140.54	4,216
6/16/2021	12:30:00 PM	1.606	0.54	135.82	4,075
6/16/2021	1:00:00 PM	1.6	0.54	134.49	4,035
6/16/2021	1:30:00 PM	1.532	0.51	119.98	3,599
6/16/2021	2:00:00 PM	1.609	0.54	136.49	4,095
6/16/2021	2:30:00 PM	1.58	0.53	130.12	3,903
6/16/2021	3:00:00 PM	1.612	0.54	137.16	4,115
6/16/2021	3:30:00 PM	1.576	0.53	129.25	3,878
6/16/2021	4:00:00 PM	1.614	0.54	137.61	4,128
6/16/2021	4:30:00 PM	1.576	0.53	129.25	3,878
6/16/2021	5:00:00 PM	1.623	0.54	139.64	4,189
6/16/2021	5:30:00 PM	1.599	0.54	134.27	4,028
6/16/2021	6:00:00 PM	1.622	0.54	139.41	4,182
6/16/2021	6:30:00 PM	1.608	0.54	136.27	4,088
6/16/2021	7:00:00 PM	1.624	0.54	139.86	4,196
6/16/2021	7:30:00 PM	1.68	0.56	152.91	4,587
6/16/2021	8:00:00 PM	1.629	0.55	141.00	4,230
6/16/2021	8:30:00 PM	1.682	0.56	153.39	4,602
6/16/2021	9:00:00 PM	1.586	0.53	131.42	3,943
6/16/2021	9:30:00 PM	1.648	0.55	145.37	4,361
6/16/2021	10:00:00 PM	1.566	0.52	127.11	3,813
6/16/2021	10:30:00 PM	1.586	0.53	131.42	3,943
6/16/2021	11:00:00 PM	1.56	0.52	125.83	3,775
6/16/2021	11:30:00 PM	1.571	0.53	128.18	3,845
Total					**205,101**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B4
SEEP C FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/25/2021	12:15:22 AM	0.864	0.29	26.60	798
5/25/2021	12:45:22 AM	0.879	0.29	27.83	835
5/25/2021	1:15:22 AM	0.879	0.29	27.83	835
5/25/2021	1:45:22 AM	0.848	0.28	25.32	760
5/25/2021	2:15:22 AM	0.853	0.29	25.72	772
5/25/2021	2:45:22 AM	0.817	0.27	22.96	689
5/25/2021	3:15:22 AM	0.906	0.30	30.14	904
5/25/2021	3:45:22 AM	0.926	0.31	31.92	958
5/25/2021	4:15:22 AM	0.912	0.31	30.67	920
5/25/2021	4:45:22 AM	0.938	0.31	33.02	991
5/25/2021	5:15:22 AM	0.931	0.31	32.37	971
5/25/2021	5:45:22 AM	0.999	0.33	38.97	1,169
5/25/2021	6:15:22 AM	0.936	0.31	32.83	985
5/25/2021	6:45:22 AM	0.992	0.33	38.26	1,148
5/25/2021	7:15:22 AM	0.932	0.31	32.47	974
5/25/2021	7:45:22 AM	0.971	0.32	36.16	1,085
5/25/2021	8:15:22 AM	0.945	0.32	33.67	1,010
5/25/2021	8:45:22 AM	1.003	0.34	39.38	1,181
5/25/2021	9:15:22 AM	0.944	0.32	33.58	1,007
5/25/2021	9:45:22 AM	0.977	0.33	36.75	1,103
5/25/2021	10:15:22 AM	0.927	0.31	32.01	960
5/25/2021	10:45:22 AM	0.941	0.31	33.30	999
5/25/2021	11:15:22 AM	0.957	0.32	34.81	1,044
5/25/2021	11:45:22 AM	0.965	0.32	35.58	1,067
5/25/2021	12:15:22 PM	0.984	0.33	37.45	1,123
5/25/2021	12:45:22 PM	0.988	0.33	37.85	1,136
5/25/2021	1:15:22 PM	1.031	0.34	42.34	1,270
5/25/2021	1:45:22 PM	0.981	0.33	37.15	1,114
5/25/2021	2:15:22 PM	0.986	0.33	37.65	1,129
5/25/2021	2:45:22 PM	0.906	0.30	30.14	904
5/25/2021	3:15:22 PM	0.973	0.33	36.36	1,091
5/25/2021	3:45:22 PM	0.887	0.30	28.50	855
5/25/2021	4:15:22 PM	1.024	0.34	41.59	1,248
5/25/2021	4:45:22 PM	0.971	0.32	36.16	1,085
5/25/2021	5:15:22 PM	1.113	0.37	51.78	1,553
5/25/2021	5:45:22 PM	1.077	0.36	47.49	1,425
5/25/2021	6:15:22 PM	1.056	0.35	45.09	1,353
5/25/2021	6:45:22 PM	1.007	0.34	39.80	1,194
5/25/2021	7:15:22 PM	1.016	0.34	40.74	1,222
5/25/2021	7:45:22 PM	1.011	0.34	40.21	1,206
5/25/2021	8:15:22 PM	0.957	0.32	34.81	1,044
5/25/2021	8:45:22 PM	1.014	0.34	40.53	1,216
5/25/2021	9:15:22 PM	0.95	0.32	34.14	1,024
5/25/2021	9:45:22 PM	1.015	0.34	40.63	1,219
5/25/2021	10:15:22 PM	0.892	0.30	28.93	868
5/25/2021	10:45:22 PM	0.917	0.31	31.11	933
5/25/2021	11:15:22 PM	0.859	0.29	26.20	786
5/25/2021	11:45:22 PM	0.832	0.28	24.09	723
5/26/2021	12:15:22 AM	0.847	0.28	25.25	757
5/26/2021	12:45:22 AM	0.82	0.27	23.18	696
5/26/2021	1:15:22 AM	0.848	0.28	25.32	760
5/26/2021	1:45:22 AM	0.82	0.27	23.18	696
5/26/2021	2:15:22 AM	0.853	0.29	25.72	772

TABLE B4
SEEP C FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/26/2021	2:45:22 AM	0.812	0.27	22.59	678
5/26/2021	3:15:22 AM	0.862	0.29	26.44	793
5/26/2021	3:45:22 AM	0.868	0.29	26.93	808
5/26/2021	4:15:22 AM	0.883	0.30	28.17	845
5/26/2021	4:45:22 AM	0.901	0.30	29.70	891
5/26/2021	5:15:22 AM	0.888	0.30	28.59	858
5/26/2021	5:45:22 AM	0.911	0.30	30.58	917
5/26/2021	6:15:22 AM	0.9	0.30	29.62	888
5/26/2021	6:45:22 AM	0.917	0.31	31.11	933
5/26/2021	7:15:22 AM	0.89	0.30	28.76	863
5/26/2021	7:45:22 AM	0.936	0.31	32.83	985
5/26/2021	8:15:22 AM	0.889	0.30	28.67	860
5/26/2021	8:45:22 AM	0.906	0.30	30.14	904
5/26/2021	9:15:22 AM	0.879	0.29	27.83	835
5/26/2021	9:45:22 AM	0.855	0.29	25.88	776
5/26/2021	10:15:22 AM	0.929	0.31	32.19	966
5/26/2021	10:45:22 AM	0.902	0.30	29.79	894
5/26/2021	11:15:22 AM	0.999	0.33	38.97	1,169
5/26/2021	11:45:22 AM	0.967	0.32	35.77	1,073
5/26/2021	12:15:22 PM	1.014	0.34	40.53	1,216
5/26/2021	12:45:22 PM	0.969	0.32	35.97	1,079
5/26/2021	1:15:22 PM	0.973	0.33	36.36	1,091
5/26/2021	1:45:22 PM	0.853	0.29	25.72	772
5/26/2021	2:15:22 PM	0.976	0.33	36.65	1,100
5/26/2021	2:45:22 PM	0.85	0.28	25.48	764
5/26/2021	3:15:22 PM	1.033	0.35	42.55	1,277
5/26/2021	3:45:22 PM	0.947	0.32	33.86	1,016
5/26/2021	4:15:22 PM	1.017	0.34	40.84	1,225
5/26/2021	4:45:22 PM	0.938	0.31	33.02	991
5/26/2021	5:15:22 PM	1.059	0.35	45.43	1,363
5/26/2021	5:45:22 PM	1.014	0.34	40.53	1,216
5/26/2021	6:15:22 PM	1.036	0.35	42.88	1,286
5/26/2021	6:45:22 PM	0.995	0.33	38.56	1,157
5/26/2021	7:15:22 PM	0.982	0.33	37.25	1,117
5/26/2021	7:45:22 PM	0.935	0.31	32.74	982
5/26/2021	8:15:22 PM	0.916	0.31	31.02	931
5/26/2021	8:45:22 PM	0.969	0.32	35.97	1,079
5/26/2021	9:15:22 PM	0.884	0.30	28.25	848
5/26/2021	9:45:22 PM	0.917	0.31	31.11	933
5/26/2021	10:15:22 PM	0.854	0.29	25.80	774
5/26/2021	10:45:22 PM	0.88	0.29	27.92	837
5/26/2021	11:15:22 PM	0.828	0.28	23.78	714
5/26/2021	11:45:22 PM	0.839	0.28	24.62	739
Total					**46,347**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B5
SEEP C FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/15/2021	12:23:46 AM	0.974	0.33	36.46	1,094
6/15/2021	12:53:46 AM	0.985	0.33	37.55	1,126
6/15/2021	1:23:46 AM	0.845	0.28	25.09	753
6/15/2021	1:53:46 AM	1.018	0.34	40.95	1,228
6/15/2021	2:23:46 AM	0.994	0.33	38.46	1,154
6/15/2021	2:53:46 AM	0.994	0.33	38.46	1,154
6/15/2021	3:23:46 AM	0.971	0.32	36.16	1,085
6/15/2021	3:53:46 AM	0.996	0.33	38.66	1,160
6/15/2021	4:23:46 AM	0.962	0.32	35.29	1,059
6/15/2021	4:53:46 AM	1.015	0.34	40.63	1,219
6/15/2021	5:23:46 AM	1.026	0.34	41.80	1,254
6/15/2021	5:53:46 AM	1.012	0.34	40.32	1,210
6/15/2021	6:23:46 AM	1.038	0.35	43.10	1,293
6/15/2021	6:53:46 AM	1.002	0.34	39.28	1,178
6/15/2021	7:23:46 AM	1.003	0.34	39.38	1,181
6/15/2021	7:53:46 AM	1.03	0.34	42.23	1,267
6/15/2021	8:23:46 AM	1.077	0.36	47.49	1,425
6/15/2021	8:53:46 AM	1.068	0.36	46.45	1,394
6/15/2021	9:23:46 AM	1.051	0.35	44.53	1,336
6/15/2021	9:53:46 AM	1.098	0.37	49.96	1,499
6/15/2021	10:23:46 AM	1.084	0.36	48.30	1,449
6/15/2021	10:53:46 AM	1.16	0.39	57.73	1,732
6/15/2021	11:23:46 AM	1.19	0.40	61.74	1,852
6/15/2021	11:53:46 AM	1.18	0.39	60.38	1,811
6/15/2021	12:23:46 PM	1.191	0.40	61.87	1,856
6/15/2021	12:53:46 PM	1.193	0.40	62.15	1,864
6/15/2021	1:23:46 PM	1.418	0.47	97.90	2,937
6/15/2021	1:53:46 PM	1.284	0.43	75.40	2,262
6/15/2021	2:23:46 PM	1.21	0.40	64.50	1,935
6/15/2021	2:53:46 PM	1.177	0.39	59.98	1,799
6/15/2021	3:23:46 PM	1.324	0.44	81.74	2,452
6/15/2021	3:53:46 PM	1.414	0.47	97.17	2,915
6/15/2021	4:23:46 PM	1.42	0.48	98.26	2,948
6/15/2021	4:53:46 PM	1.186	0.40	61.19	1,836
6/15/2021	5:23:46 PM	1.093	0.37	49.37	1,481
6/15/2021	5:53:46 PM	0.938	0.31	33.02	991
6/15/2021	6:23:46 PM	0.937	0.31	32.93	988
6/15/2021	6:53:46 PM	0.914	0.31	30.84	925
6/15/2021	7:23:46 PM	0.927	0.31	32.01	960
6/15/2021	7:53:46 PM	0.829	0.28	23.86	716
6/15/2021	8:23:46 PM	0.88	0.29	27.92	837
6/15/2021	8:53:46 PM	0.808	0.27	22.30	669
6/15/2021	9:23:46 PM	0.879	0.29	27.83	835
6/15/2021	9:53:46 PM	0.782	0.26	20.46	614
6/15/2021	10:23:46 PM	0.815	0.27	22.81	684
6/15/2021	10:53:46 PM	0.773	0.26	19.85	596
6/15/2021	11:23:46 PM	0.783	0.26	20.53	616
6/15/2021	11:53:46 PM	0.793	0.27	21.23	637
6/16/2021	12:23:46 AM	0.838	0.28	24.55	736
6/16/2021	12:53:46 AM	0.772	0.26	19.78	593
6/16/2021	1:23:46 AM	0.769	0.26	19.58	587
6/16/2021	1:53:46 AM	0.831	0.28	24.01	720
6/16/2021	2:23:46 AM	0.877	0.29	27.67	830

TABLE B5
SEEP C FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/16/2021	2:53:46 AM	0.875	0.29	27.50	825
6/16/2021	3:23:46 AM	0.93	0.31	32.28	968
6/16/2021	3:53:46 AM	0.904	0.30	29.96	899
6/16/2021	4:23:46 AM	0.938	0.31	33.02	991
6/16/2021	4:53:46 AM	0.938	0.31	33.02	991
6/16/2021	5:23:46 AM	0.982	0.33	37.25	1,117
6/16/2021	5:53:46 AM	0.951	0.32	34.24	1,027
6/16/2021	6:23:46 AM	0.987	0.33	37.75	1,132
6/16/2021	6:53:46 AM	0.939	0.31	33.11	993
6/16/2021	7:23:46 AM	0.969	0.32	35.97	1,079
6/16/2021	7:53:46 AM	0.964	0.32	35.48	1,064
6/16/2021	8:23:46 AM	0.978	0.33	36.85	1,106
6/16/2021	8:53:46 AM	1.006	0.34	39.69	1,191
6/16/2021	9:23:46 AM	1.052	0.35	44.64	1,339
6/16/2021	9:53:46 AM	1.039	0.35	43.21	1,296
6/16/2021	10:23:46 AM	1.105	0.37	50.80	1,524
6/16/2021	10:53:46 AM	1.102	0.37	50.44	1,513
6/16/2021	11:23:46 AM	1.119	0.37	52.52	1,575
6/16/2021	11:53:46 AM	1.12	0.37	52.64	1,579
6/16/2021	12:23:46 PM	1.122	0.38	52.89	1,587
6/16/2021	12:53:46 PM	1.133	0.38	54.26	1,628
6/16/2021	1:23:46 PM	1.053	0.35	44.76	1,343
6/16/2021	1:53:46 PM	1.11	0.37	51.41	1,542
6/16/2021	2:23:46 PM	1.074	0.36	47.14	1,414
6/16/2021	2:53:46 PM	1.099	0.37	50.08	1,502
6/16/2021	3:23:46 PM	1.039	0.35	43.21	1,296
6/16/2021	3:53:46 PM	1.074	0.36	47.14	1,414
6/16/2021	4:23:46 PM	1.03	0.34	42.23	1,267
6/16/2021	4:53:46 PM	1.082	0.36	48.07	1,442
6/16/2021	5:23:46 PM	1.067	0.36	46.34	1,390
6/16/2021	5:53:46 PM	1.086	0.36	48.54	1,456
6/16/2021	6:23:46 PM	1.064	0.36	46.00	1,380
6/16/2021	6:53:46 PM	1.128	0.38	53.63	1,609
6/16/2021	7:23:46 PM	1.255	0.42	71.01	2,130
6/16/2021	7:53:46 PM	1.209	0.40	64.36	1,931
6/16/2021	8:23:46 PM	1.264	0.42	72.35	2,171
6/16/2021	8:53:46 PM	1.152	0.39	56.69	1,701
6/16/2021	9:23:46 PM	1.206	0.40	63.94	1,918
6/16/2021	9:53:46 PM	1.127	0.38	53.51	1,605
6/16/2021	10:23:46 PM	1.136	0.38	54.64	1,639
6/16/2021	10:53:46 PM	1.106	0.37	50.93	1,528
6/16/2021	11:23:46 PM	1.113	0.37	51.78	1,553
6/16/2021	11:53:46 PM	1.079	0.36	47.72	1,432
Total					**59,982**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B6
SEEP D FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/25/2021	12:28:40 AM	1.8	0.60	183.33	5,500
5/25/2021	12:58:40 AM	1.8	0.60	183.33	5,500
5/25/2021	1:28:40 AM	1.799	0.60	183.06	5,492
5/25/2021	1:58:40 AM	1.794	0.60	181.73	5,452
5/25/2021	2:28:40 AM	1.753	0.59	171.01	5,130
5/25/2021	2:58:40 AM	1.804	0.60	184.40	5,532
5/25/2021	3:28:40 AM	1.821	0.61	189.01	5,670
5/25/2021	3:58:40 AM	1.81	0.61	186.02	5,581
5/25/2021	4:28:40 AM	1.843	0.62	195.07	5,852
5/25/2021	4:58:40 AM	1.824	0.61	189.83	5,695
5/25/2021	5:28:40 AM	1.886	0.63	207.27	6,218
5/25/2021	5:58:40 AM	1.82	0.61	188.73	5,662
5/25/2021	6:28:40 AM	1.883	0.63	206.40	6,192
5/25/2021	6:58:40 AM	1.835	0.61	192.85	5,786
5/25/2021	7:28:40 AM	1.873	0.63	203.53	6,106
5/25/2021	7:58:40 AM	1.439	0.48	101.76	3,053
5/25/2021	8:28:40 AM	1.342	0.45	84.69	2,541
5/25/2021	8:58:40 AM	1.17	0.39	59.05	1,771
5/25/2021	9:28:40 AM	1.111	0.37	51.53	1,546
5/25/2021	9:58:40 AM	0.976	0.33	36.65	1,100
5/25/2021	10:28:40 AM	0.907	0.30	30.23	907
5/25/2021	10:58:40 AM	0.882	0.30	28.08	842
5/25/2021	11:28:40 AM	0.847	0.28	25.25	757
5/25/2021	11:58:40 AM	0.861	0.29	26.36	791
5/25/2021	12:28:40 PM	0.825	0.28	23.56	707
5/25/2021	12:58:40 PM	0.851	0.28	25.56	767
5/25/2021	1:28:40 PM	0.816	0.27	22.89	687
5/25/2021	1:58:40 PM	0.834	0.28	24.24	727
5/25/2021	2:28:40 PM	0.76	0.25	18.98	570
5/25/2021	2:58:40 PM	0.835	0.28	24.32	729
5/25/2021	3:28:40 PM	0.729	0.24	17.02	510
5/25/2021	3:58:40 PM	0.851	0.28	25.56	767
5/25/2021	4:28:40 PM	0.777	0.26	20.12	604
5/25/2021	4:58:40 PM	0.884	0.30	28.25	848
5/25/2021	5:28:40 PM	2.89	0.97	636.83	38,210
5/25/2021	6:28:40 PM	2.379	0.80	381.75	11,453
5/25/2021	6:58:40 PM	1.919	0.64	216.95	6,508
5/25/2021	7:28:40 PM	1.936	0.65	222.04	6,661
5/25/2021	7:58:40 PM	1.862	0.62	200.41	6,012
5/25/2021	8:28:40 PM	1.903	0.64	212.22	6,367
5/25/2021	8:58:40 PM	1.824	0.61	189.83	5,695
5/25/2021	9:28:40 PM	1.912	0.64	214.87	6,446
5/25/2021	9:58:40 PM	1.825	0.61	190.10	5,703
5/25/2021	10:28:40 PM	1.832	0.61	192.02	5,761
5/25/2021	10:58:40 PM	1.794	0.60	181.73	5,452
5/25/2021	11:28:40 PM	1.785	0.60	179.34	5,380
5/25/2021	11:58:40 PM	1.803	0.60	184.13	5,524
5/26/2021	12:28:40 AM	1.785	0.60	179.34	5,380
5/26/2021	12:58:40 AM	1.793	0.60	181.46	5,444
5/26/2021	1:28:40 AM	1.77	0.59	175.40	5,262
5/26/2021	1:58:40 AM	1.805	0.60	184.67	5,540
5/26/2021	2:28:40 AM	1.772	0.59	175.92	5,278
5/26/2021	2:58:40 AM	1.803	0.60	184.13	5,524

TABLE B6
SEEP D FLUME DATA - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
5/26/2021	3:28:40 AM	1.788	0.60	180.13	5,404
5/26/2021	3:58:40 AM	1.801	0.60	183.60	5,508
5/26/2021	4:28:40 AM	1.819	0.61	188.46	5,654
5/26/2021	4:58:40 AM	1.801	0.60	183.60	5,508
5/26/2021	5:28:40 AM	1.815	0.61	187.37	5,621
5/26/2021	5:58:40 AM	1.808	0.60	185.48	5,564
5/26/2021	6:28:40 AM	1.825	0.61	190.10	5,703
5/26/2021	6:58:40 AM	1.808	0.60	185.48	5,564
5/26/2021	7:28:40 AM	1.831	0.61	191.75	5,752
5/26/2021	7:58:40 AM	1.6	0.54	134.49	4,035
5/26/2021	8:28:40 AM	1.31	0.44	79.49	2,385
5/26/2021	8:58:40 AM	1.174	0.39	59.58	1,787
5/26/2021	9:28:40 AM	1.025	0.34	41.69	1,251
5/26/2021	9:58:40 AM	1.006	0.34	39.69	1,191
5/26/2021	10:28:40 AM	0.885	0.30	28.34	850
5/26/2021	10:58:40 AM	0.909	0.30	30.40	912
5/26/2021	11:28:40 AM	0.852	0.29	25.64	769
5/26/2021	11:58:40 AM	0.88	0.29	27.92	837
5/26/2021	12:28:40 PM	0.831	0.28	24.01	720
5/26/2021	12:58:40 PM	0.861	0.29	26.36	791
5/26/2021	1:28:40 PM	0.745	0.25	18.01	540
5/26/2021	1:58:40 PM	0.846	0.28	25.17	755
5/26/2021	2:28:40 PM	0.724	0.24	16.71	501
5/26/2021	2:58:40 PM	0.876	0.29	27.58	828
5/26/2021	3:28:40 PM	0.8	0.27	21.73	652
5/26/2021	3:58:40 PM	0.856	0.29	25.96	779
5/26/2021	4:28:40 PM	0.785	0.26	20.67	620
5/26/2021	4:58:40 PM	0.887	0.30	28.50	2,565
5/26/2021	6:28:40 PM	2.101	0.70	275.32	8,260
5/26/2021	6:58:40 PM	1.914	0.64	215.46	6,464
5/26/2021	7:28:40 PM	1.899	0.64	211.05	6,331
5/26/2021	7:58:40 PM	1.858	0.62	199.28	5,978
5/26/2021	8:28:40 PM	1.897	0.63	210.46	6,314
5/26/2021	8:58:40 PM	1.836	0.61	193.13	5,794
5/26/2021	9:28:40 PM	1.885	0.63	206.98	6,209
5/26/2021	9:58:40 PM	1.819	0.61	188.46	5,654
5/26/2021	10:28:40 PM	1.853	0.62	197.87	5,936
5/26/2021	10:58:40 PM	1.813	0.61	186.83	5,605
5/26/2021	11:28:40 PM	1.819	0.61	188.46	5,654
5/26/2021	11:58:40 PM	1.807	0.60	185.21	5,556
Total					**163,215**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B7
SEEP D FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/16/2021	12:13:57 AM	1.88	0.63	205.54	6,166
6/16/2021	12:43:57 AM	1.868	0.63	202.11	6,063
6/16/2021	1:13:57 AM	1.708	0.57	159.70	4,791
6/16/2021	1:43:57 AM	1.759	0.59	172.55	5,176
6/16/2021	2:13:57 AM	1.749	0.59	169.98	5,099
6/16/2021	2:43:57 AM	1.781	0.60	178.28	5,348
6/16/2021	3:13:57 AM	1.761	0.59	173.07	5,192
6/16/2021	3:43:57 AM	1.807	0.60	185.21	5,556
6/16/2021	4:13:57 AM	1.734	0.58	166.17	4,985
6/16/2021	4:43:57 AM	1.745	0.58	168.96	5,069
6/16/2021	5:13:57 AM	1.789	0.60	180.40	5,412
6/16/2021	5:43:57 AM	1.812	0.61	186.56	5,597
6/16/2021	6:13:57 AM	1.747	0.58	169.47	5,084
6/16/2021	6:43:57 AM	1.849	0.62	196.75	5,902
6/16/2021	7:13:57 AM	1.771	0.59	175.66	5,270
6/16/2021	7:43:57 AM	1.576	0.53	129.25	3,878
6/16/2021	8:13:57 AM	1.326	0.44	82.06	2,462
6/16/2021	8:43:57 AM	1.26	0.42	71.75	2,153
6/16/2021	9:13:57 AM	1.222	0.41	66.20	1,986
6/16/2021	9:43:57 AM	1.221	0.41	66.06	1,982
6/16/2021	10:13:57 AM	1.161	0.39	57.86	1,736
6/16/2021	10:43:57 AM	1.158	0.39	57.47	1,724
6/16/2021	11:13:57 AM	1.095	0.37	49.60	1,488
6/16/2021	11:43:57 AM	1.08	0.36	47.84	1,435
6/16/2021	12:13:57 PM	1.065	0.36	46.11	1,383
6/16/2021	12:43:57 PM	1.044	0.35	43.76	1,313
6/16/2021	1:13:57 PM	1.029	0.34	42.12	1,264
6/16/2021	1:43:57 PM	0.952	0.32	34.33	1,030
6/16/2021	2:13:57 PM	1.037	0.35	42.99	1,290
6/16/2021	2:43:57 PM	0.997	0.33	38.76	1,163
6/16/2021	3:13:57 PM	1.024	0.34	41.59	1,248
6/16/2021	3:43:57 PM	0.986	0.33	37.65	1,129
6/16/2021	4:13:57 PM	1.02	0.34	41.16	1,235
6/16/2021	4:43:57 PM	0.959	0.32	35.00	1,050
6/16/2021	5:13:57 PM	0.995	0.33	38.56	1,157
6/16/2021	5:43:57 PM	1.766	0.59	174.36	5,231
6/16/2021	6:13:57 PM	1.775	0.59	176.71	5,301
6/16/2021	6:43:57 PM	1.755	0.59	171.52	5,146
6/16/2021	7:13:57 PM	1.822	0.61	189.28	5,678
6/16/2021	7:43:57 PM	1.913	0.64	215.17	6,455
6/16/2021	8:13:57 PM	1.86	0.62	199.84	5,995
6/16/2021	8:43:57 PM	1.926	0.64	219.03	6,571
6/16/2021	9:13:57 PM	1.845	0.62	195.63	5,869
6/16/2021	9:43:57 PM	1.921	0.64	217.54	6,526
6/16/2021	10:13:57 PM	1.827	0.61	190.65	5,719
6/16/2021	10:43:57 PM	1.867	0.62	201.82	6,055
6/16/2021	11:13:57 PM	1.846	0.62	195.91	5,877
6/16/2021	11:43:57 PM	1.844	0.62	195.35	5,861
6/17/2021	12:13:57 AM	1.799	0.60	183.06	5,492
6/17/2021	12:43:57 AM	1.757	0.59	172.03	5,161
6/17/2021	1:13:57 AM	1.802	0.60	183.86	5,516
6/17/2021	1:43:57 AM	1.778	0.59	177.49	5,325
6/17/2021	2:13:57 AM	1.82	0.61	188.73	5,662

TABLE B7
SEEP D FLUME DATA - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Time	Water Level (kPa)	Water Level (ft)	Flow Rate (gpm)	Flow Volume (Gallon)
6/17/2021	2:43:57 AM	1.838	0.61	193.68	5,810
6/17/2021	3:13:57 AM	1.795	0.60	181.99	5,460
6/17/2021	3:43:57 AM	1.809	0.61	185.75	5,572
6/17/2021	4:13:57 AM	1.815	0.61	187.37	5,621
6/17/2021	4:43:57 AM	1.825	0.61	190.10	5,703
6/17/2021	5:13:57 AM	1.817	0.61	187.92	5,638
6/17/2021	5:43:57 AM	1.857	0.62	198.99	5,970
6/17/2021	6:13:57 AM	1.836	0.61	193.13	5,794
6/17/2021	6:43:57 AM	1.878	0.63	204.97	6,149
6/17/2021	7:13:57 AM	1.808	0.60	185.48	5,564
6/17/2021	7:43:57 AM	1.813	0.61	186.83	5,605
6/17/2021	8:13:57 AM	1.385	0.46	92.02	2,761
6/17/2021	8:43:57 AM	1.311	0.44	79.64	2,389
6/17/2021	9:13:57 AM	1.214	0.41	65.07	1,952
6/17/2021	9:43:57 AM	1.191	0.40	61.87	1,856
6/17/2021	10:13:57 AM	1.101	0.37	50.32	1,510
6/17/2021	10:43:57 AM	1.048	0.35	44.20	1,326
6/17/2021	11:13:57 AM	1.116	0.37	52.15	1,564
6/17/2021	11:43:57 AM	1.137	0.38	54.77	1,643
6/17/2021	12:13:57 PM	1.059	0.35	45.43	1,363
6/17/2021	12:43:57 PM	1.05	0.35	44.42	1,333
6/17/2021	1:13:57 PM	1.06	0.35	45.54	1,366
6/17/2021	1:43:57 PM	1.058	0.35	45.32	1,360
6/17/2021	2:13:57 PM	1.034	0.35	42.66	1,280
6/17/2021	2:43:57 PM	0.962	0.32	35.29	1,059
6/17/2021	3:13:57 PM	0.967	0.32	35.77	1,073
6/17/2021	3:43:57 PM	0.916	0.31	31.02	931
6/17/2021	4:13:57 PM	0.979	0.33	36.95	1,109
6/17/2021	4:43:57 PM	0.945	0.32	33.67	1,010
6/17/2021	5:13:57 PM	0.94	0.31	33.20	996
6/17/2021	5:43:57 PM	0.926	0.31	31.92	958
6/17/2021	6:13:57 PM	0.892	0.30	28.93	868
6/17/2021	6:43:57 PM	2.371	0.79	378.38	11,352
6/17/2021	7:13:57 PM	2.812	0.94	592.62	17,778
6/17/2021	7:43:57 PM	2.894	0.97	639.15	19,175
6/17/2021	8:13:57 PM	2.744	0.92	555.66	16,670
6/17/2021	8:43:57 PM	2.774	0.93	571.79	17,154
6/17/2021	9:13:57 PM	2.374	0.79	379.64	11,389
6/17/2021	9:43:57 PM	2.11	0.71	278.44	8,353
6/17/2021	10:13:57 PM	1.952	0.65	226.89	6,807
6/17/2021	10:43:57 PM	1.994	0.67	239.96	7,199
6/17/2021	11:13:57 PM	1.881	0.63	205.83	6,175
6/17/2021	11:43:57 PM	1.933	0.65	221.13	6,634
Total					**193,847**

Acronyms:
ft - feet
gal - gallons
gpm - gallons per minute
kPa - kilopascals
* - Flow volumes are calculated as the total volume of flow passing through the flume for the duration of the interval where the interval duration is calculated as the time between the present recording and the previous recording.

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/1/2020 0:00	221	0.49	3.9
4/1/2020 0:30	225	0.50	3.9
4/1/2020 1:00	216	0.48	3.8
4/1/2020 1:30	227	0.51	3.8
4/1/2020 2:00	199	0.44	3.8
4/1/2020 2:30	209	0.47	3.8
4/1/2020 3:00	200	0.45	3.8
4/1/2020 3:30	213	0.48	3.8
4/1/2020 4:00	228	0.51	3.8
4/1/2020 4:30	249	0.56	3.8
4/1/2020 5:00	194	0.43	3.8
4/1/2020 5:30	209	0.47	3.8
4/1/2020 6:00	163	0.36	3.8
4/1/2020 6:30	197	0.44	3.8
4/1/2020 7:00	167	0.37	3.8
4/1/2020 7:30	196	0.44	3.8
4/1/2020 8:00	185	0.41	3.8
4/1/2020 8:30	213	0.48	3.8
4/1/2020 9:00	180	0.40	3.8
4/1/2020 9:30	194	0.43	3.8
4/1/2020 10:00	165	0.37	3.8
4/1/2020 10:30	181	0.40	3.8
4/1/2020 11:00	178	0.40	3.8
4/1/2020 11:30	182	0.41	3.8
4/1/2020 12:00	193	0.43	3.8
4/1/2020 12:30	191	0.43	3.8
4/1/2020 13:00	199	0.44	3.8
4/1/2020 13:30	197	0.44	3.8
4/1/2020 14:00	190	0.42	3.7
4/1/2020 14:30	178	0.40	3.8
4/1/2020 15:00	198	0.44	3.8
4/1/2020 15:30	202	0.45	3.7
4/1/2020 16:00	190	0.42	3.7
4/1/2020 16:30	187	0.42	3.8
4/1/2020 17:00	190	0.42	3.8
4/1/2020 17:30	205	0.46	3.7
4/1/2020 18:00	169	0.38	3.7
4/1/2020 18:30	193	0.43	3.7
4/1/2020 19:00	163	0.36	3.7
4/1/2020 19:30	187	0.42	3.7
4/1/2020 20:00	147	0.33	3.7
4/1/2020 20:30	163	0.36	3.7
4/1/2020 21:00	159	0.35	3.7
4/1/2020 21:30	181	0.40	3.7
4/1/2020 22:00	167	0.37	3.7
4/1/2020 22:30	174	0.39	3.7
4/1/2020 23:00	165	0.37	3.7
4/1/2020 23:30	173	0.38	3.7
4/2/2020 0:00	178	0.40	3.7
4/2/2020 0:30	182	0.41	3.7
4/2/2020 1:00	172	0.38	3.7
4/2/2020 1:30	172	0.38	3.7
4/2/2020 2:00	178	0.40	3.7
4/2/2020 2:30	178	0.40	3.7
4/2/2020 3:00	183	0.41	3.7
4/6/2020 21:00	132	0.29	2.1
4/6/2020 21:30	134	0.30	2.2
4/6/2020 22:00	136	0.30	2.2
4/6/2020 22:30	130	0.29	2.1
4/6/2020 23:00	126	0.28	2.2
4/6/2020 23:30	127	0.28	2.1

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/7/2020 0:00	124	0.28	2.2
4/7/2020 0:30	136	0.30	2.1
4/7/2020 1:00	129	0.29	2.1
4/7/2020 1:30	141	0.31	2.1
4/7/2020 2:00	132	0.29	2.1
4/7/2020 2:30	141	0.31	2.1
4/7/2020 3:00	139	0.31	2.1
4/7/2020 3:30	124	0.28	2.1
4/7/2020 4:00	125	0.28	2.1
4/7/2020 4:30	116	0.26	2.1
4/7/2020 5:00	119	0.26	2.1
4/7/2020 5:30	113	0.25	2.1
4/7/2020 6:00	115	0.26	2.1
4/7/2020 6:30	109	0.24	2.1
4/7/2020 7:00	110	0.24	2.1
4/7/2020 7:30	116	0.26	2.1
4/7/2020 8:00	119	0.27	2.1
4/7/2020 8:30	126	0.28	2.1
4/7/2020 9:00	130	0.29	2.1
4/7/2020 9:30	131	0.29	2.1
4/7/2020 10:00	120	0.27	2.1
4/7/2020 10:30	143	0.32	2.1
4/7/2020 11:00	133	0.30	2.1
4/7/2020 11:30	161	0.36	2.1
4/7/2020 12:00	142	0.32	2.1
4/7/2020 12:30	167	0.37	2.1
4/7/2020 13:00	143	0.32	2.1
4/7/2020 13:30	161	0.36	2.1
4/7/2020 14:00	137	0.31	2.1
4/7/2020 14:30	156	0.35	2.1
4/7/2020 15:00	148	0.33	2.1
4/7/2020 15:30	138	0.31	2.1
4/7/2020 16:00	119	0.26	2.1
4/7/2020 16:30	144	0.32	2.1
4/7/2020 17:00	138	0.31	2.1
4/7/2020 17:30	140	0.31	2.1
4/7/2020 18:00	130	0.29	2.1
4/7/2020 18:30	126	0.28	2.1
4/7/2020 19:00	129	0.29	2.1
4/7/2020 19:30	122	0.27	2.1
4/7/2020 20:00	121	0.27	2.1
4/7/2020 20:30	109	0.24	2.1
4/8/2020 21:30	204	0.45	2.1
4/8/2020 22:00	250	0.56	2.1
4/8/2020 22:30	258	0.58	2.1
4/8/2020 23:00	202	0.45	2.1
4/8/2020 23:30	253	0.56	2.1
4/9/2020 0:00	224	0.50	2.1
4/9/2020 0:30	204	0.46	2.2
4/9/2020 1:00	188	0.42	2.1
4/9/2020 1:30	193	0.43	2.1
4/9/2020 2:00	179	0.40	2.2
4/9/2020 2:30	199	0.44	2.1
4/9/2020 3:00	166	0.37	2.1
4/9/2020 3:30	189	0.42	2.2
4/9/2020 4:00	170	0.38	2.2
4/9/2020 4:30	190	0.42	2.2
4/9/2020 5:00	208	0.46	2.2
4/9/2020 5:30	106	0.24	2.2
4/9/2020 6:00	107	0.24	2.2
4/9/2020 6:30	102	0.23	2.2

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/9/2020 7:00	99	0.22	2.2
4/9/2020 7:30	180	0.40	2.2
4/9/2020 8:00	220	0.49	2.2
4/9/2020 8:30	159	0.35	2.2
4/9/2020 9:00	161	0.36	2.2
4/9/2020 9:30	173	0.38	2.2
4/9/2020 10:00	155	0.34	2.2
4/9/2020 10:30	205	0.46	2.2
4/9/2020 11:00	190	0.42	2.2
4/9/2020 11:30	214	0.48	2.2
4/9/2020 12:00	188	0.42	2.2
4/9/2020 12:30	181	0.40	2.2
4/9/2020 13:00	160	0.36	2.2
4/9/2020 13:30	173	0.38	2.2
4/9/2020 14:00	149	0.33	2.2
4/9/2020 14:30	194	0.43	2.2
4/9/2020 15:00	179	0.40	2.2
4/9/2020 15:30	172	0.38	2.3
4/9/2020 16:00	154	0.34	2.2
4/9/2020 16:30	139	0.31	2.2
4/9/2020 17:00	132	0.29	2.2
4/9/2020 17:30	130	0.29	2.2
4/9/2020 18:00	133	0.30	2.2
4/9/2020 18:30	130	0.29	2.2
4/9/2020 19:00	141	0.31	2.2
4/9/2020 19:30	100	0.22	2.2
4/9/2020 20:00	109	0.24	2.2
4/9/2020 20:30	87	0.19	2.2
4/9/2020 21:00	100	0.22	2.2
4/9/2020 21:30	101	0.22	2.2
4/9/2020 22:00	117	0.26	2.2
4/9/2020 22:30	98	0.22	2.2
4/9/2020 23:00	115	0.26	2.2
4/9/2020 23:30	80	0.18	2.2
4/10/2020 0:00	90	0.20	2.2
4/10/2020 0:30	94	0.21	2.2
4/10/2020 1:00	112	0.25	2.2
4/10/2020 1:30	95	0.21	2.2
4/10/2020 2:00	107	0.24	2.2
4/10/2020 2:30	95	0.21	2.3
4/10/2020 3:00	99	0.22	2.3
4/10/2020 3:30	98	0.22	2.3
4/10/2020 4:00	112	0.25	2.3
4/10/2020 4:30	104	0.23	2.2
4/10/2020 5:00	114	0.25	2.3
4/10/2020 5:30	100	0.22	2.2
4/10/2020 6:00	113	0.25	2.2
4/10/2020 6:30	86	0.19	2.2
4/10/2020 7:00	103	0.23	2.3
4/10/2020 7:30	74	0.16	2.3
4/10/2020 8:00	93	0.21	2.3
4/10/2020 8:30	78	0.17	2.3
4/13/2020 7:30	217	0.48	2.1
4/13/2020 8:00	357	0.80	2.1
4/13/2020 8:30	208	0.46	2.1
4/13/2020 9:00	162	0.36	2.1
4/13/2020 9:30	179	0.40	2.1
4/13/2020 10:00	173	0.38	2.2
4/13/2020 10:30	193	0.43	2.2
4/13/2020 11:00	207	0.46	2.2
4/13/2020 11:30	163	0.36	2.2

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/13/2020 12:00	158	0.35	2.2
4/13/2020 12:30	175	0.39	2.2
4/13/2020 13:00	187	0.42	2.3
4/13/2020 13:30	160	0.36	2.3
4/13/2020 14:00	153	0.34	2.3
4/13/2020 14:30	152	0.34	2.3
4/13/2020 15:00	160	0.36	2.3
4/13/2020 15:30	152	0.34	2.3
4/13/2020 16:00	168	0.37	2.3
4/13/2020 16:30	112	0.25	2.4
4/13/2020 17:00	124	0.28	2.4
4/13/2020 17:30	101	0.23	2.4
4/13/2020 18:00	129	0.29	2.4
4/13/2020 18:30	107	0.24	2.4
4/13/2020 19:00	121	0.27	2.4
4/13/2020 19:30	92	0.20	2.4
4/13/2020 20:00	108	0.24	2.4
4/13/2020 20:30	87	0.19	2.4
4/13/2020 21:00	103	0.23	2.4
4/13/2020 21:30	102	0.23	2.4
4/13/2020 22:00	112	0.25	2.4
4/13/2020 22:30	114	0.25	2.4
4/13/2020 23:00	119	0.26	2.4
4/13/2020 23:30	111	0.25	2.4
4/14/2020 0:00	115	0.26	2.4
4/14/2020 0:30	106	0.24	2.4
4/14/2020 1:00	109	0.24	2.4
4/14/2020 1:30	121	0.27	2.4
4/14/2020 2:00	134	0.30	2.4
4/14/2020 2:30	118	0.26	2.4
4/14/2020 3:00	120	0.27	2.4
4/14/2020 3:30	96	0.21	2.4
4/14/2020 4:00	105	0.23	2.4
4/14/2020 4:30	95	0.21	2.4
4/14/2020 5:00	110	0.25	2.4
4/14/2020 5:30	87	0.19	2.4
4/14/2020 6:00	91	0.20	2.4
4/14/2020 6:30	98	0.22	2.4
4/14/2020 7:00	107	0.24	2.4
4/14/2020 7:30	125	0.28	2.5
4/14/2020 8:00	121	0.27	2.5
4/14/2020 8:30	129	0.29	2.5
4/18/2020 11:30	164	0.36	3.7
4/18/2020 12:00	179	0.40	3.6
4/18/2020 12:30	154	0.34	3.6
4/18/2020 13:00	145	0.32	3.6
4/18/2020 13:30	142	0.32	3.6
4/18/2020 14:00	142	0.32	3.6
4/18/2020 14:30	163	0.36	3.6
4/18/2020 15:00	167	0.37	3.6
4/18/2020 15:30	154	0.34	3.6
4/18/2020 17:00	136	0.30	3.6
4/18/2020 17:30	119	0.27	3.6
4/18/2020 18:00	134	0.30	3.5
4/18/2020 18:30	126	0.28	3.5
4/18/2020 19:00	147	0.33	3.5
4/18/2020 19:30	121	0.27	3.5
4/18/2020 20:00	137	0.31	3.5
4/18/2020 20:30	117	0.26	3.5
4/18/2020 21:00	128	0.29	3.5
4/18/2020 21:30	127	0.28	3.4

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/18/2020 22:00	139	0.31	3.4
4/18/2020 22:30	141	0.31	3.4
4/18/2020 23:00	150	0.33	3.4
4/18/2020 23:30	133	0.30	3.4
4/19/2020 0:00	129	0.29	3.4
4/19/2020 0:30	140	0.31	3.4
4/19/2020 1:00	143	0.32	3.4
4/19/2020 1:30	143	0.32	3.3
4/19/2020 2:00	149	0.33	3.3
4/19/2020 2:30	147	0.33	3.3
4/19/2020 3:00	147	0.33	3.3
4/19/2020 3:30	144	0.32	3.3
4/19/2020 4:00	140	0.31	3.3
4/19/2020 4:30	164	0.36	3.3
4/19/2020 5:00	172	0.38	3.3
4/19/2020 5:30	150	0.33	3.3
4/19/2020 6:00	134	0.30	3.3
4/19/2020 6:30	153	0.34	3.3
4/19/2020 7:00	150	0.33	3.2
4/19/2020 7:30	168	0.38	3.2
4/19/2020 8:00	154	0.34	3.2
4/19/2020 8:30	188	0.42	3.2
4/19/2020 9:00	180	0.40	3.2
4/19/2020 9:30	158	0.35	3.2
4/19/2020 10:00	134	0.30	3.2
4/19/2020 10:30	176	0.39	3.2
4/19/2020 11:00	180	0.40	3.2
4/20/2020 2:00	176	0.39	2.8
4/20/2020 2:30	201	0.45	2.8
4/20/2020 3:00	170	0.38	2.8
4/20/2020 3:30	185	0.41	2.8
4/20/2020 4:00	161	0.36	2.8
4/20/2020 4:30	244	0.54	2.8
4/20/2020 5:00	225	0.50	2.8
4/20/2020 5:30	258	0.58	2.8
4/20/2020 6:00	231	0.51	2.8
4/20/2020 6:30	231	0.52	2.8
4/20/2020 7:00	221	0.49	2.7
4/20/2020 7:30	235	0.52	2.7
4/20/2020 8:00	211	0.47	2.7
4/20/2020 8:30	213	0.47	2.7
4/20/2020 9:00	232	0.52	2.7
4/20/2020 9:30	172	0.38	2.7
4/20/2020 10:00	220	0.49	2.7
4/20/2020 10:30	179	0.40	2.7
4/20/2020 11:00	188	0.42	2.7
4/20/2020 11:30	337	0.75	2.7
4/20/2020 12:00	384	0.86	2.7
4/20/2020 12:30	625	1.39	2.7
4/20/2020 13:00	463	1.03	2.7
4/20/2020 13:30	347	0.77	2.7
4/20/2020 14:00	370	0.82	2.7
4/20/2020 14:30	300	0.67	2.7
4/20/2020 15:00	326	0.73	2.7
4/20/2020 15:30	234	0.52	2.7
4/20/2020 17:00	203	0.45	2.7
4/20/2020 17:30	162	0.36	2.7
4/20/2020 18:00	172	0.38	2.7
4/20/2020 18:30	158	0.35	2.7
4/20/2020 19:00	177	0.39	2.7
4/20/2020 19:30	151	0.34	2.7

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/20/2020 20:00	163	0.36	2.7
4/20/2020 20:30	136	0.30	2.7
4/20/2020 21:00	142	0.32	2.7
4/20/2020 21:30	160	0.36	2.7
4/20/2020 22:00	172	0.38	2.7
4/20/2020 22:30	181	0.40	2.7
4/20/2020 23:00	175	0.39	2.7
4/20/2020 23:30	176	0.39	2.7
4/21/2020 0:00	171	0.38	2.7
4/21/2020 0:30	162	0.36	2.7
4/21/2020 1:00	153	0.34	2.7
4/21/2020 1:30	185	0.41	2.7
4/21/2020 2:00	190	0.42	2.7
4/21/2020 2:30	166	0.37	2.7
4/21/2020 3:00	157	0.35	2.7
4/21/2020 3:30	157	0.35	2.7
4/21/2020 4:00	162	0.36	2.7
4/21/2020 4:30	154	0.34	2.7
4/21/2020 5:00	155	0.35	2.7
4/21/2020 5:30	151	0.34	2.7
4/21/2020 6:00	151	0.34	2.7
4/21/2020 6:30	154	0.34	2.7
4/21/2020 7:00	157	0.35	2.7
4/21/2020 7:30	165	0.37	2.7
4/21/2020 8:00	163	0.36	2.7
4/21/2020 8:30	180	0.40	2.7
4/21/2020 9:00	172	0.38	2.7
4/21/2020 9:30	185	0.41	2.7
4/21/2020 10:00	175	0.39	2.7
4/21/2020 10:30	189	0.42	2.7
4/21/2020 11:00	163	0.36	2.7
4/21/2020 11:30	220	0.49	2.7
4/21/2020 12:00	197	0.44	2.8
4/23/2020 11:30	143	0.32	3.1
4/23/2020 12:00	154	0.34	3.1
4/23/2020 12:30	128	0.29	3.1
4/23/2020 13:00	157	0.35	3.1
4/23/2020 13:30	79	0.18	3.1
4/23/2020 14:00	162	0.36	3.1
4/23/2020 14:30	137	0.31	3.1
4/23/2020 15:00	160	0.36	3.1
4/23/2020 15:30	105	0.23	3.1
4/23/2020 17:00	156	0.35	3.1
4/23/2020 17:30	161	0.36	3.1
4/23/2020 18:00	157	0.35	3.1
4/23/2020 18:30	131	0.29	3.1
4/23/2020 19:00	157	0.35	3.1
4/23/2020 19:30	109	0.24	3.1
4/23/2020 20:00	157	0.35	3.1
4/23/2020 20:30	195	0.43	3.1
4/23/2020 21:00	160	0.36	3.1
4/23/2020 21:30	203	0.45	3.1
4/23/2020 22:00	176	0.39	3.0
4/23/2020 22:30	170	0.38	3.1
4/23/2020 23:00	201	0.45	3.0
4/23/2020 23:30	185	0.41	3.0
4/24/2020 0:00	218	0.49	3.0
4/24/2020 0:30	169	0.38	3.0
4/24/2020 1:00	214	0.48	3.0
4/24/2020 1:30	194	0.43	3.0
4/24/2020 2:00	204	0.45	3.0

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/24/2020 2:30	197	0.44	3.0
4/24/2020 3:00	197	0.44	3.0
4/24/2020 3:30	202	0.45	3.0
4/24/2020 4:00	191	0.43	3.0
4/24/2020 4:30	184	0.41	3.0
4/24/2020 5:00	187	0.42	3.0
4/24/2020 5:30	184	0.41	3.0
4/24/2020 6:00	183	0.41	3.0
4/24/2020 6:30	165	0.37	3.0
4/24/2020 7:00	181	0.40	3.0
4/24/2020 7:30	182	0.41	3.0
4/24/2020 8:00	176	0.39	3.0
4/24/2020 8:30	175	0.39	3.0
4/24/2020 9:00	178	0.40	2.9
4/24/2020 9:30	177	0.39	2.9
4/24/2020 10:00	171	0.38	2.9
4/24/2020 10:30	166	0.37	2.9
4/24/2020 11:00	174	0.39	2.9
4/24/2020 11:30	174	0.39	2.9
4/24/2020 12:00	173	0.39	2.9
4/24/2020 12:30	160	0.36	2.9
4/24/2020 13:00	169	0.38	2.9
4/24/2020 13:30	168	0.37	2.9
4/24/2020 14:15	125	0.28	2.9
4/24/2020 14:45	110	0.24	2.9
4/24/2020 15:15	121	0.27	2.9
4/24/2020 15:45	114	0.25	2.9
4/24/2020 16:45	125	0.28	2.9
4/24/2020 17:15	124	0.28	2.9
4/24/2020 17:45	126	0.28	2.8
4/24/2020 18:15	132	0.29	2.8
4/24/2020 18:45	144	0.32	2.8
4/24/2020 19:15	131	0.29	2.8
4/24/2020 19:45	149	0.33	2.8
4/24/2020 20:15	130	0.29	2.8
4/24/2020 20:45	154	0.34	2.8
4/24/2020 21:15	133	0.30	2.8
4/24/2020 21:45	156	0.35	2.8
4/24/2020 22:15	129	0.29	2.8
4/24/2020 22:45	137	0.31	2.8
4/24/2020 23:15	134	0.30	2.8
4/24/2020 23:45	147	0.33	2.8
4/25/2020 0:15	125	0.28	2.8
4/30/2020 5:15	146	0.33	2.7
4/30/2020 5:45	142	0.32	2.7
4/30/2020 6:15	724	1.61	2.7
4/30/2020 6:45	1137	2.53	2.7
4/30/2020 7:15	1048	2.34	2.7
4/30/2020 7:45	1302	2.90	2.7
4/30/2020 8:15	1067	2.38	2.7
4/30/2020 8:45	1164	2.59	2.6
4/30/2020 9:15	1218	2.71	2.7
4/30/2020 9:45	1235	2.75	2.7
4/30/2020 10:15	1051	2.34	2.7
4/30/2020 10:45	918	2.05	2.7
4/30/2020 11:15	1002	2.23	2.7
4/30/2020 11:45	886	1.97	2.8
4/30/2020 12:15	852	1.90	2.8
4/30/2020 12:45	760	1.69	2.8
4/30/2020 13:15	658	1.47	2.8
4/30/2020 13:45	590	1.31	2.8

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/30/2020 14:15	495	1.10	2.8
4/30/2020 14:45	532	1.19	2.9
4/30/2020 15:15	438	0.98	2.9
4/30/2020 15:45	359	0.80	2.9
4/30/2020 16:45	309	0.69	3.0
4/30/2020 17:15	309	0.69	3.0
4/30/2020 17:45	298	0.66	3.0
4/30/2020 18:15	288	0.64	3.1
4/30/2020 18:45	264	0.59	3.1
4/30/2020 19:15	274	0.61	3.1
4/30/2020 19:45	285	0.64	3.1
4/30/2020 20:15	253	0.56	3.2
4/30/2020 20:45	258	0.58	3.2
4/30/2020 21:15	246	0.55	3.2
4/30/2020 21:45	271	0.60	3.2
4/30/2020 22:15	234	0.52	3.3
4/30/2020 22:45	237	0.53	3.3
4/30/2020 23:15	215	0.48	3.3
4/30/2020 23:45	216	0.48	3.3
5/1/2020 0:15	221	0.49	3.3
5/1/2020 0:45	235	0.52	3.4
5/1/2020 1:15	211	0.47	3.4
5/1/2020 1:45	211	0.47	3.4
5/1/2020 2:15	204	0.45	3.4
5/1/2020 2:45	196	0.44	3.4
5/1/2020 3:15	206	0.46	3.5
5/1/2020 3:45	214	0.48	3.5
5/1/2020 4:15	200	0.44	3.5
5/1/2020 4:45	202	0.45	3.5
5/1/2020 5:15	206	0.46	3.5
5/1/2020 5:45	232	0.52	3.6
5/1/2020 6:15	203	0.45	3.6
5/1/2020 6:45	224	0.50	3.6
5/1/2020 7:15	196	0.44	3.6
5/1/2020 7:45	224	0.50	3.7
5/1/2020 8:15	195	0.43	3.7
5/1/2020 8:45	203	0.45	3.7
5/1/2020 9:15	190	0.42	3.7
5/1/2020 9:45	194	0.43	3.8
5/1/2020 10:15	192	0.43	3.8
5/1/2020 10:45	200	0.45	3.8
5/1/2020 11:15	187	0.42	3.9
5/6/2020 12:45	209	0.47	4.5
5/6/2020 13:15	208	0.46	4.5
5/6/2020 13:45	205	0.46	4.5
5/6/2020 14:15	213	0.47	4.5
5/6/2020 14:45	227	0.51	4.5
5/6/2020 15:15	232	0.52	4.5
5/6/2020 15:45	218	0.49	4.5
5/6/2020 16:45	222	0.49	4.5
5/6/2020 17:15	206	0.46	4.5
5/6/2020 17:45	212	0.47	4.5
5/6/2020 18:15	216	0.48	4.5
5/6/2020 18:45	218	0.49	4.5
5/6/2020 19:15	338	0.75	4.5
5/6/2020 19:45	200	0.45	4.5
5/6/2020 20:15	199	0.44	4.5
5/6/2020 20:45	204	0.45	4.5
5/6/2020 21:15	260	0.58	4.5
5/6/2020 21:45	205	0.46	4.5
5/6/2020 22:15	237	0.53	4.5

TABLE B8-1
HISTORICAL SEEP A FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/6/2020 22:45	190	0.42	4.5
5/6/2020 23:15	193	0.43	4.5
5/6/2020 23:45	194	0.43	4.5
5/7/2020 0:15	201	0.45	4.5
5/7/2020 0:45	189	0.42	4.4
5/7/2020 1:15	206	0.46	4.4
5/7/2020 1:45	183	0.41	4.5
5/7/2020 2:15	176	0.39	4.4
5/7/2020 2:45	185	0.41	4.4
5/7/2020 3:15	182	0.41	4.4
5/7/2020 3:45	187	0.42	4.4
5/7/2020 4:15	190	0.42	4.4
5/7/2020 4:45	190	0.42	4.4
5/7/2020 5:15	201	0.45	4.4
5/7/2020 5:45	191	0.43	4.4
5/7/2020 6:15	210	0.47	4.4
5/7/2020 6:45	190	0.42	4.4
5/7/2020 7:15	220	0.49	4.4
5/7/2020 7:45	183	0.41	4.4
5/7/2020 8:15	188	0.42	4.3
5/7/2020 8:45	189	0.42	4.3
5/7/2020 9:15	210	0.47	4.3
5/7/2020 9:45	190	0.42	4.3
5/7/2020 10:15	197	0.44	4.3
5/7/2020 10:45	187	0.42	4.3
5/7/2020 11:15	191	0.43	4.2
5/7/2020 11:45	183	0.41	4.2
5/7/2020 12:15	171	0.38	4.2
5/7/2020 12:45	179	0.40	4.2
5/7/2020 13:15	162	0.36	4.1
5/7/2020 13:45	176	0.39	4.1
5/7/2020 14:15	165	0.37	4.1
5/7/2020 14:45	171	0.38	4.1
5/7/2020 15:15	161	0.36	4.1
5/7/2020 15:45	170	0.38	4.1
5/7/2020 16:45	174	0.39	4.0
5/7/2020 17:15	177	0.40	4.0
5/7/2020 17:45	178	0.40	4.0
5/7/2020 18:15	184	0.41	4.0
5/7/2020 18:45	173	0.39	3.9
5/7/2020 19:15	190	0.42	3.9
5/7/2020 19:45	180	0.40	3.9
5/7/2020 20:15	203	0.45	3.9
5/7/2020 20:45	176	0.39	3.9
5/18/2020 21:00	219	0.49	1.5
5/18/2020 21:30	224	0.50	1.5
5/18/2020 22:00	232	0.52	1.5
5/18/2020 22:30	254	0.57	1.5
5/18/2020 23:00	220	0.49	1.5
5/18/2020 23:30	220	0.49	1.5
Median Flow Rate	172	0.38	

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

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/1/2020 0:00	106	0.24	3.9
4/1/2020 0:30	91	0.20	3.9
4/1/2020 1:00	107	0.24	3.8
4/1/2020 1:30	84	0.19	3.8
4/1/2020 2:00	89	0.20	3.8
4/1/2020 2:30	89	0.20	3.8
4/1/2020 3:00	96	0.21	3.8
4/1/2020 3:30	98	0.22	3.8
4/1/2020 4:00	112	0.25	3.8
4/1/2020 4:30	76	0.17	3.8
4/1/2020 5:00	88	0.20	3.8
4/1/2020 5:30	61	0.14	3.8
4/1/2020 6:00	75	0.17	3.8
4/1/2020 6:30	67	0.15	3.8
4/1/2020 7:00	75	0.17	3.8
4/1/2020 7:30	72	0.16	3.8
4/1/2020 8:00	90	0.20	3.8
4/1/2020 8:30	71	0.16	3.8
4/1/2020 9:00	84	0.19	3.8
4/1/2020 9:30	65	0.14	3.8
4/1/2020 10:00	76	0.17	3.8
4/1/2020 10:30	75	0.17	3.8
4/1/2020 11:00	81	0.18	3.8
4/1/2020 11:30	89	0.20	3.8
4/1/2020 12:00	91	0.20	3.8
4/1/2020 12:30	98	0.22	3.8
4/1/2020 13:00	96	0.21	3.8
4/1/2020 13:30	95	0.21	3.8
4/1/2020 14:00	92	0.21	3.7
4/1/2020 14:30	100	0.22	3.8
4/1/2020 15:00	101	0.23	3.8
4/1/2020 15:30	93	0.21	3.7
4/1/2020 16:00	93	0.21	3.7
4/1/2020 16:30	87	0.19	3.8
4/1/2020 17:00	95	0.21	3.8
4/1/2020 17:30	76	0.17	3.7
4/1/2020 18:00	85	0.19	3.7
4/1/2020 18:30	64	0.14	3.7
4/1/2020 19:00	82	0.18	3.7
4/1/2020 19:30	60	0.13	3.7
4/1/2020 20:00	69	0.15	3.7
4/1/2020 20:30	66	0.15	3.7
4/1/2020 21:00	78	0.17	3.7
4/1/2020 21:30	74	0.16	3.7
4/1/2020 22:00	78	0.17	3.7
4/1/2020 22:30	75	0.17	3.7
4/1/2020 23:00	77	0.17	3.7
4/1/2020 23:30	80	0.18	3.7
4/2/2020 0:00	86	0.19	3.7
4/2/2020 0:30	78	0.17	3.7
4/2/2020 1:00	84	0.19	3.7
4/2/2020 1:30	85	0.19	3.7
4/2/2020 2:00	87	0.19	3.7
4/2/2020 2:30	88	0.20	3.7
4/2/2020 3:00	89	0.20	3.7
4/6/2020 21:00	94	0.21	2.1
4/6/2020 21:30	96	0.21	2.2
4/6/2020 22:00	99	0.22	2.2
4/6/2020 22:30	105	0.23	2.1
4/6/2020 23:00	104	0.23	2.2
4/6/2020 23:30	102	0.23	2.1

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/7/2020 0:00	97	0.22	2.2
4/7/2020 0:30	108	0.24	2.1
4/7/2020 1:00	102	0.23	2.1
4/7/2020 1:30	110	0.24	2.1
4/7/2020 2:00	102	0.23	2.1
4/7/2020 2:30	108	0.24	2.1
4/7/2020 3:00	105	0.23	2.1
4/7/2020 3:30	94	0.21	2.1
4/7/2020 4:00	94	0.21	2.1
4/7/2020 4:30	85	0.19	2.1
4/7/2020 5:00	86	0.19	2.1
4/7/2020 5:30	81	0.18	2.1
4/7/2020 6:00	87	0.19	2.1
4/7/2020 6:30	77	0.17	2.1
4/7/2020 7:00	81	0.18	2.1
4/7/2020 7:30	86	0.19	2.1
4/7/2020 8:00	87	0.19	2.1
4/7/2020 8:30	96	0.21	2.1
4/7/2020 9:00	94	0.21	2.1
4/7/2020 9:30	101	0.23	2.1
4/7/2020 10:00	95	0.21	2.1
4/7/2020 10:30	116	0.26	2.1
4/7/2020 11:00	108	0.24	2.1
4/7/2020 11:30	135	0.30	2.1
4/7/2020 12:00	118	0.26	2.1
4/7/2020 12:30	142	0.32	2.1
4/7/2020 13:00	121	0.27	2.1
4/7/2020 14:00	128	0.28	2.1
4/7/2020 14:30	150	0.33	2.1
4/7/2020 15:00	137	0.31	2.1
4/7/2020 15:30	126	0.28	2.1
4/7/2020 16:00	108	0.24	2.1
4/7/2020 16:30	130	0.29	2.1
4/7/2020 17:00	126	0.28	2.1
4/7/2020 17:30	127	0.28	2.1
4/7/2020 18:00	118	0.26	2.1
4/7/2020 18:30	117	0.26	2.1
4/7/2020 19:00	118	0.26	2.1
4/7/2020 19:30	112	0.25	2.1
4/7/2020 20:00	112	0.25	2.1
4/7/2020 20:30	102	0.23	2.1
4/8/2020 21:30	178	0.40	2.1
4/8/2020 22:00	155	0.35	2.1
4/8/2020 22:30	159	0.35	2.1
4/8/2020 23:00	174	0.39	2.1
4/8/2020 23:30	240	0.54	2.1
4/9/2020 0:00	210	0.47	2.1
4/9/2020 0:30	180	0.40	2.2
4/9/2020 1:00	163	0.36	2.1
4/9/2020 1:30	155	0.35	2.1
4/9/2020 2:00	142	0.32	2.2
4/9/2020 2:30	158	0.35	2.1
4/9/2020 3:00	132	0.29	2.1
4/9/2020 3:30	154	0.34	2.2
4/9/2020 4:00	138	0.31	2.2
4/9/2020 4:30	155	0.35	2.2
4/9/2020 5:00	170	0.38	2.2
4/9/2020 5:30	84	0.19	2.2
4/9/2020 6:00	85	0.19	2.2
4/9/2020 6:30	82	0.18	2.2
4/9/2020 7:00	79	0.17	2.2

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/9/2020 7:30	152	0.34	2.2
4/9/2020 8:00	192	0.43	2.2
4/9/2020 8:30	121	0.27	2.2
4/9/2020 9:00	106	0.24	2.2
4/9/2020 9:30	128	0.29	2.2
4/9/2020 10:00	127	0.28	2.2
4/9/2020 10:30	181	0.40	2.2
4/9/2020 11:00	167	0.37	2.2
4/9/2020 11:30	190	0.42	2.2
4/9/2020 12:00	162	0.36	2.2
4/9/2020 12:30	154	0.34	2.2
4/9/2020 13:00	136	0.30	2.2
4/9/2020 13:30	144	0.32	2.2
4/9/2020 14:00	123	0.27	2.2
4/9/2020 14:30	158	0.35	2.2
4/9/2020 15:00	147	0.33	2.2
4/9/2020 15:30	144	0.32	2.3
4/9/2020 16:00	131	0.29	2.2
4/9/2020 16:30	115	0.26	2.2
4/9/2020 17:00	111	0.25	2.2
4/9/2020 17:30	112	0.25	2.2
4/9/2020 18:00	113	0.25	2.2
4/9/2020 18:30	112	0.25	2.2
4/9/2020 19:00	121	0.27	2.2
4/9/2020 19:30	86	0.19	2.2
4/9/2020 20:00	95	0.21	2.2
4/9/2020 20:30	74	0.17	2.2
4/9/2020 21:00	87	0.19	2.2
4/9/2020 21:30	88	0.20	2.2
4/9/2020 22:00	104	0.23	2.2
4/9/2020 22:30	87	0.19	2.2
4/9/2020 23:00	100	0.22	2.2
4/9/2020 23:30	70	0.16	2.2
4/10/2020 0:00	81	0.18	2.2
4/10/2020 0:30	86	0.19	2.2
4/10/2020 1:00	101	0.22	2.2
4/10/2020 1:30	85	0.19	2.2
4/10/2020 2:00	96	0.21	2.2
4/10/2020 2:30	86	0.19	2.3
4/10/2020 3:00	88	0.20	2.3
4/10/2020 3:30	87	0.19	2.3
4/10/2020 4:00	100	0.22	2.3
4/10/2020 4:30	92	0.21	2.2
4/10/2020 5:00	100	0.22	2.3
4/10/2020 5:30	86	0.19	2.2
4/10/2020 6:00	95	0.21	2.2
4/10/2020 6:30	74	0.17	2.2
4/10/2020 7:00	87	0.19	2.3
4/10/2020 7:30	63	0.14	2.3
4/10/2020 8:00	77	0.17	2.3
4/10/2020 8:30	65	0.14	2.3
4/13/2020 7:30	198	0.44	2.1
4/13/2020 8:00	313	0.70	2.1
4/13/2020 8:30	125	0.28	2.1
4/13/2020 9:00	121	0.27	2.1
4/13/2020 9:30	160	0.36	2.1
4/13/2020 10:00	153	0.34	2.2
4/13/2020 10:30	167	0.37	2.2
4/13/2020 11:00	170	0.38	2.2
4/13/2020 11:30	122	0.27	2.2
4/13/2020 12:00	115	0.26	2.2

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/13/2020 12:30	134	0.30	2.2
4/13/2020 13:00	140	0.31	2.3
4/13/2020 13:30	118	0.26	2.3
4/13/2020 14:00	115	0.26	2.3
4/13/2020 14:30	117	0.26	2.3
4/13/2020 15:00	123	0.27	2.3
4/13/2020 15:30	120	0.27	2.3
4/13/2020 16:00	134	0.30	2.3
4/13/2020 16:30	89	0.20	2.4
4/13/2020 17:00	97	0.22	2.4
4/13/2020 17:30	78	0.17	2.4
4/13/2020 18:00	103	0.23	2.4
4/13/2020 18:30	85	0.19	2.4
4/13/2020 19:00	99	0.22	2.4
4/13/2020 19:30	78	0.17	2.4
4/13/2020 20:00	95	0.21	2.4
4/13/2020 20:30	76	0.17	2.4
4/13/2020 21:00	90	0.20	2.4
4/13/2020 21:30	87	0.19	2.4
4/13/2020 22:00	96	0.21	2.4
4/13/2020 22:30	98	0.22	2.4
4/13/2020 23:00	103	0.23	2.4
4/13/2020 23:30	95	0.21	2.4
4/14/2020 0:00	99	0.22	2.4
4/14/2020 0:30	90	0.20	2.4
4/14/2020 1:00	92	0.21	2.4
4/14/2020 1:30	103	0.23	2.4
4/14/2020 2:00	114	0.25	2.4
4/14/2020 2:30	102	0.23	2.4
4/14/2020 3:00	104	0.23	2.4
4/14/2020 3:30	82	0.18	2.4
4/14/2020 4:00	88	0.20	2.4
4/14/2020 4:30	81	0.18	2.4
4/14/2020 5:00	95	0.21	2.4
4/14/2020 5:30	73	0.16	2.4
4/14/2020 6:00	76	0.17	2.4
4/14/2020 6:30	80	0.18	2.4
4/14/2020 7:00	89	0.20	2.4
4/14/2020 7:30	107	0.24	2.5
4/14/2020 8:00	101	0.23	2.5
4/14/2020 8:30	109	0.24	2.5
4/18/2020 11:30	103	0.23	3.7
4/18/2020 12:00	118	0.26	3.6
4/18/2020 12:30	98	0.22	3.6
4/18/2020 13:00	92	0.21	3.6
4/18/2020 13:30	92	0.20	3.6
4/18/2020 14:00	91	0.20	3.6
4/18/2020 14:30	106	0.24	3.6
4/18/2020 15:00	111	0.25	3.6
4/18/2020 15:30	103	0.23	3.6
4/18/2020 17:00	85	0.19	3.6
4/18/2020 17:30	71	0.16	3.6
4/18/2020 18:00	82	0.18	3.5
4/18/2020 18:30	76	0.17	3.5
4/18/2020 19:00	90	0.20	3.5
4/18/2020 19:30	69	0.15	3.5
4/18/2020 20:00	80	0.18	3.5
4/18/2020 20:30	65	0.14	3.5
4/18/2020 21:00	72	0.16	3.5
4/18/2020 21:30	70	0.16	3.4
4/18/2020 22:00	79	0.18	3.4

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/18/2020 22:30	79	0.18	3.4
4/18/2020 23:00	86	0.19	3.4
4/18/2020 23:30	72	0.16	3.4
4/19/2020 0:00	73	0.16	3.4
4/19/2020 0:30	79	0.18	3.4
4/19/2020 1:00	81	0.18	3.4
4/19/2020 1:30	83	0.19	3.3
4/19/2020 2:00	85	0.19	3.3
4/19/2020 2:30	81	0.18	3.3
4/19/2020 3:00	83	0.19	3.3
4/19/2020 3:30	83	0.18	3.3
4/19/2020 4:00	77	0.17	3.3
4/19/2020 4:30	93	0.21	3.3
4/19/2020 5:00	99	0.22	3.3
4/19/2020 5:30	84	0.19	3.3
4/19/2020 6:00	73	0.16	3.3
4/19/2020 6:30	85	0.19	3.3
4/19/2020 7:00	85	0.19	3.2
4/19/2020 7:30	97	0.22	3.2
4/19/2020 8:00	88	0.20	3.2
4/19/2020 8:30	108	0.24	3.2
4/19/2020 9:00	105	0.23	3.2
4/19/2020 9:30	91	0.20	3.2
4/19/2020 10:00	80	0.18	3.2
4/19/2020 10:30	108	0.24	3.2
4/19/2020 11:00	117	0.26	3.2
4/20/2020 2:00	105	0.23	2.8
4/20/2020 2:30	122	0.27	2.8
4/20/2020 3:00	95	0.21	2.8
4/20/2020 3:30	105	0.23	2.8
4/20/2020 4:00	85	0.19	2.8
4/20/2020 4:30	142	0.32	2.8
4/20/2020 5:00	124	0.28	2.8
4/20/2020 5:30	153	0.34	2.8
4/20/2020 6:00	130	0.29	2.8
4/20/2020 6:30	138	0.31	2.8
4/20/2020 7:00	125	0.28	2.7
4/20/2020 7:30	135	0.30	2.7
4/20/2020 8:00	122	0.27	2.7
4/20/2020 8:30	125	0.28	2.7
4/20/2020 9:00	139	0.31	2.7
4/20/2020 9:30	97	0.22	2.7
4/20/2020 10:00	133	0.30	2.7
4/20/2020 10:30	79	0.18	2.7
4/20/2020 11:00	90	0.20	2.7
4/20/2020 11:30	154	0.34	2.7
4/20/2020 12:00	157	0.35	2.7
4/20/2020 12:30	240	0.53	2.7
4/20/2020 13:00	221	0.49	2.7
4/20/2020 13:30	154	0.34	2.7
4/20/2020 14:00	176	0.39	2.7
4/20/2020 14:30	134	0.30	2.7
4/20/2020 15:00	163	0.36	2.7
4/20/2020 15:30	118	0.26	2.7
4/20/2020 17:00	113	0.25	2.7
4/20/2020 17:30	90	0.20	2.7
4/20/2020 18:00	98	0.22	2.7
4/20/2020 18:30	89	0.20	2.7
4/20/2020 19:00	104	0.23	2.7
4/20/2020 19:30	86	0.19	2.7
4/20/2020 20:00	95	0.21	2.7

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/20/2020 20:30	75	0.17	2.7
4/20/2020 21:00	79	0.18	2.7
4/20/2020 21:30	93	0.21	2.7
4/20/2020 22:00	98	0.22	2.7
4/20/2020 22:30	108	0.24	2.7
4/20/2020 23:00	101	0.23	2.7
4/20/2020 23:30	101	0.23	2.7
4/21/2020 0:00	98	0.22	2.7
4/21/2020 0:30	91	0.20	2.7
4/21/2020 1:00	87	0.19	2.7
4/21/2020 1:30	109	0.24	2.7
4/21/2020 2:00	114	0.25	2.7
4/21/2020 2:30	96	0.21	2.7
4/21/2020 3:00	89	0.20	2.7
4/21/2020 3:30	89	0.20	2.7
4/21/2020 4:00	92	0.20	2.7
4/21/2020 4:30	88	0.20	2.7
4/21/2020 5:00	90	0.20	2.7
4/21/2020 5:30	85	0.19	2.7
4/21/2020 6:00	85	0.19	2.7
4/21/2020 6:30	87	0.19	2.7
4/21/2020 7:00	91	0.20	2.7
4/21/2020 7:30	97	0.22	2.7
4/21/2020 8:00	94	0.21	2.7
4/21/2020 8:30	107	0.24	2.7
4/21/2020 9:00	105	0.23	2.7
4/21/2020 9:30	117	0.26	2.7
4/21/2020 10:00	113	0.25	2.7
4/21/2020 10:30	128	0.28	2.7
4/21/2020 11:00	108	0.24	2.7
4/21/2020 11:30	150	0.33	2.7
4/21/2020 12:00	130	0.29	2.8
4/23/2020 11:30	84	0.19	3.1
4/23/2020 12:00	90	0.20	3.1
4/23/2020 12:30	71	0.16	3.1
4/23/2020 13:00	95	0.21	3.1
4/23/2020 13:30	40	0.09	3.1
4/23/2020 14:00	96	0.21	3.1
4/23/2020 14:30	81	0.18	3.1
4/23/2020 15:00	97	0.22	3.1
4/23/2020 15:30	59	0.13	3.1
4/23/2020 17:00	100	0.22	3.1
4/23/2020 17:30	100	0.22	3.1
4/23/2020 18:00	98	0.22	3.1
4/23/2020 18:30	79	0.17	3.1
4/23/2020 19:00	98	0.22	3.1
4/23/2020 19:30	62	0.14	3.1
4/23/2020 20:00	98	0.22	3.1
4/23/2020 20:30	124	0.28	3.1
4/23/2020 21:00	99	0.22	3.1
4/23/2020 21:30	133	0.30	3.1
4/23/2020 22:00	104	0.23	3.0
4/23/2020 22:30	89	0.20	3.1
4/23/2020 23:00	106	0.24	3.0
4/23/2020 23:30	102	0.23	3.0
4/24/2020 0:00	126	0.28	3.0
4/24/2020 0:30	88	0.20	3.0
4/24/2020 1:00	126	0.28	3.0
4/24/2020 1:30	118	0.26	3.0
4/24/2020 2:00	132	0.29	3.0
4/24/2020 2:30	121	0.27	3.0

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/24/2020 3:00	120	0.27	3.0
4/24/2020 3:30	124	0.28	3.0
4/24/2020 4:00	114	0.25	3.0
4/24/2020 4:30	111	0.25	3.0
4/24/2020 5:00	112	0.25	3.0
4/24/2020 5:30	110	0.25	3.0
4/24/2020 6:00	110	0.25	3.0
4/24/2020 6:30	99	0.22	3.0
4/24/2020 7:00	104	0.23	3.0
4/24/2020 7:30	109	0.24	3.0
4/24/2020 8:00	109	0.24	3.0
4/24/2020 8:30	105	0.23	3.0
4/24/2020 9:00	105	0.23	2.9
4/24/2020 9:30	106	0.24	2.9
4/24/2020 10:00	103	0.23	2.9
4/24/2020 10:30	103	0.23	2.9
4/24/2020 11:00	109	0.24	2.9
4/24/2020 11:30	113	0.25	2.9
4/24/2020 12:00	107	0.24	2.9
4/24/2020 12:45	88	0.20	2.9
4/24/2020 13:15	102	0.23	2.9
4/24/2020 13:45	99	0.22	2.9
4/24/2020 14:15	94	0.21	2.9
4/24/2020 14:45	83	0.19	2.9
4/24/2020 15:15	91	0.20	2.9
4/24/2020 15:45	84	0.19	2.9
4/24/2020 16:45	94	0.21	2.9
4/24/2020 17:15	90	0.20	2.9
4/24/2020 17:45	91	0.20	2.8
4/24/2020 18:15	93	0.21	2.8
4/24/2020 18:45	102	0.23	2.8
4/24/2020 19:15	91	0.20	2.8
4/24/2020 19:45	108	0.24	2.8
4/24/2020 20:15	92	0.20	2.8
4/24/2020 20:45	111	0.25	2.8
4/24/2020 21:15	95	0.21	2.8
4/24/2020 21:45	114	0.25	2.8
4/24/2020 22:15	92	0.20	2.8
4/24/2020 22:45	100	0.22	2.8
4/24/2020 23:15	99	0.22	2.8
4/24/2020 23:45	110	0.24	2.8
4/25/2020 0:15	93	0.21	2.8
4/30/2020 5:15	93	0.21	2.7
4/30/2020 5:45	83	0.19	2.7
4/30/2020 6:15	320	0.71	2.7
4/30/2020 6:45	189	0.42	2.7
4/30/2020 7:15	457	1.02	2.7
4/30/2020 7:45	473	1.05	2.7
4/30/2020 8:15	525	1.17	2.7
4/30/2020 8:45	410	0.91	2.6
4/30/2020 9:15	437	0.97	2.7
4/30/2020 9:45	436	0.97	2.7
4/30/2020 10:15	391	0.87	2.7
4/30/2020 10:45	325	0.72	2.7
4/30/2020 11:15	371	0.83	2.7
4/30/2020 11:45	337	0.75	2.8
4/30/2020 12:15	317	0.71	2.8
4/30/2020 12:45	296	0.66	2.8
4/30/2020 13:15	285	0.64	2.8
4/30/2020 13:45	275	0.61	2.8
4/30/2020 14:15	244	0.54	2.8

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/30/2020 14:45	223	0.50	2.9
4/30/2020 15:15	219	0.49	2.9
4/30/2020 15:45	196	0.44	2.9
4/30/2020 16:45	182	0.41	3.0
4/30/2020 17:15	196	0.44	3.0
4/30/2020 17:45	191	0.43	3.0
4/30/2020 18:15	192	0.43	3.1
4/30/2020 18:45	173	0.39	3.1
4/30/2020 19:15	182	0.41	3.1
4/30/2020 19:45	192	0.43	3.1
4/30/2020 20:15	167	0.37	3.2
4/30/2020 20:45	171	0.38	3.2
4/30/2020 21:15	162	0.36	3.2
4/30/2020 21:45	181	0.40	3.2
4/30/2020 22:15	150	0.33	3.3
4/30/2020 22:45	153	0.34	3.3
4/30/2020 23:15	139	0.31	3.3
4/30/2020 23:45	137	0.31	3.3
5/1/2020 0:15	141	0.31	3.3
5/1/2020 0:45	148	0.33	3.4
5/1/2020 1:15	130	0.29	3.4
5/1/2020 1:45	126	0.28	3.4
5/1/2020 2:15	122	0.27	3.4
5/1/2020 2:45	117	0.26	3.4
5/1/2020 3:15	125	0.28	3.5
5/1/2020 3:45	129	0.29	3.5
5/1/2020 4:15	121	0.27	3.5
5/1/2020 4:45	121	0.27	3.5
5/1/2020 5:15	126	0.28	3.5
5/1/2020 5:45	144	0.32	3.6
5/1/2020 6:15	124	0.28	3.6
5/1/2020 6:45	135	0.30	3.6
5/1/2020 7:15	114	0.25	3.6
5/1/2020 7:45	136	0.30	3.7
5/1/2020 8:15	112	0.25	3.7
5/1/2020 8:45	120	0.27	3.7
5/1/2020 9:15	114	0.25	3.7
5/1/2020 9:45	115	0.26	3.8
5/1/2020 10:15	121	0.27	3.8
5/1/2020 10:45	153	0.34	3.8
5/1/2020 11:15	135	0.30	3.9
5/6/2020 12:45	109	0.24	4.5
5/6/2020 13:15	108	0.24	4.5
5/6/2020 13:45	109	0.24	4.5
5/6/2020 14:15	114	0.25	4.5
5/6/2020 14:45	119	0.27	4.5
5/6/2020 15:15	113	0.25	4.5
5/6/2020 15:45	106	0.24	4.5
5/6/2020 16:45	110	0.24	4.5
5/6/2020 17:15	101	0.22	4.5
5/6/2020 17:45	109	0.24	4.5
5/6/2020 18:15	113	0.25	4.5
5/6/2020 18:45	146	0.32	4.5
5/6/2020 19:15	214	0.48	4.5
5/6/2020 19:45	103	0.23	4.5
5/6/2020 20:15	96	0.21	4.5
5/6/2020 20:45	116	0.26	4.5
5/6/2020 21:15	146	0.32	4.5
5/6/2020 21:45	114	0.25	4.5
5/6/2020 22:15	139	0.31	4.5
5/6/2020 22:45	95	0.21	4.5

TABLE B8-2
HISTORICAL SEEP B FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/6/2020 23:15	97	0.22	4.5
5/6/2020 23:45	95	0.21	4.5
5/7/2020 0:15	101	0.22	4.5
5/7/2020 0:45	95	0.21	4.4
5/7/2020 1:15	105	0.23	4.4
5/7/2020 1:45	89	0.20	4.5
5/7/2020 2:15	83	0.18	4.4
5/7/2020 2:45	88	0.20	4.4
5/7/2020 3:15	88	0.20	4.4
5/7/2020 3:45	90	0.20	4.4
5/7/2020 4:15	93	0.21	4.4
5/7/2020 4:45	95	0.21	4.4
5/7/2020 5:15	105	0.23	4.4
5/7/2020 5:45	96	0.21	4.4
5/7/2020 6:15	108	0.24	4.4
5/7/2020 6:45	96	0.21	4.4
5/7/2020 7:15	112	0.25	4.4
5/7/2020 7:45	88	0.20	4.4
5/7/2020 8:15	93	0.21	4.3
5/7/2020 8:45	95	0.21	4.3
5/7/2020 9:15	106	0.24	4.3
5/7/2020 9:45	93	0.21	4.3
5/7/2020 10:15	99	0.22	4.3
5/7/2020 10:45	101	0.23	4.3
5/7/2020 11:15	97	0.22	4.2
5/7/2020 11:45	88	0.20	4.2
5/7/2020 12:15	82	0.18	4.2
5/7/2020 12:45	87	0.19	4.2
5/7/2020 13:15	81	0.18	4.1
5/7/2020 13:45	87	0.19	4.1
5/7/2020 14:15	83	0.19	4.1
5/7/2020 14:45	87	0.19	4.1
5/7/2020 15:15	79	0.18	4.1
5/7/2020 15:45	85	0.19	4.1
5/7/2020 16:45	88	0.20	4.0
5/7/2020 17:15	90	0.20	4.0
5/7/2020 17:45	88	0.20	4.0
5/7/2020 18:15	91	0.20	4.0
5/7/2020 18:45	87	0.19	3.9
5/7/2020 19:15	96	0.21	3.9
5/7/2020 19:45	91	0.20	3.9
5/7/2020 20:15	107	0.24	3.9
5/7/2020 20:45	88	0.20	3.9
5/18/2020 20:45	103	0.23	1.5
5/18/2020 21:15	112	0.25	1.5
5/18/2020 21:45	102	0.23	1.5
5/18/2020 22:15	124	0.28	1.5
5/18/2020 22:45	108	0.24	1.5
5/18/2020 23:15	104	0.23	1.5
5/18/2020 23:45	102	0.23	1.5
Median Flow Rate	101	0.23	

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

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/1/2020 0:00	65	0.15	3.9
4/1/2020 0:30	56	0.13	3.9
4/1/2020 1:00	66	0.15	3.8
4/1/2020 1:30	56	0.12	3.8
4/1/2020 2:00	57	0.13	3.8
4/1/2020 2:30	54	0.12	3.8
4/1/2020 3:00	58	0.13	3.8
4/1/2020 3:30	59	0.13	3.8
4/1/2020 4:00	73	0.16	3.8
4/1/2020 4:30	46	0.10	3.8
4/1/2020 5:00	54	0.12	3.8
4/1/2020 5:30	35	0.08	3.8
4/1/2020 6:00	46	0.10	3.8
4/1/2020 6:30	39	0.09	3.8
4/1/2020 7:00	47	0.10	3.8
4/1/2020 7:30	46	0.10	3.8
4/1/2020 8:00	57	0.13	3.8
4/1/2020 8:30	45	0.10	3.8
4/1/2020 9:00	52	0.12	3.8
4/1/2020 9:30	40	0.09	3.8
4/1/2020 10:00	48	0.11	3.8
4/1/2020 10:30	47	0.11	3.8
4/1/2020 11:00	53	0.12	3.8
4/1/2020 11:30	58	0.13	3.8
4/1/2020 12:00	60	0.13	3.8
4/1/2020 12:30	66	0.15	3.8
4/1/2020 13:00	65	0.14	3.8
4/1/2020 13:30	62	0.14	3.8
4/1/2020 14:00	62	0.14	3.7
4/1/2020 14:30	66	0.15	3.8
4/1/2020 15:00	68	0.15	3.8
4/1/2020 15:30	62	0.14	3.7
4/1/2020 16:00	61	0.14	3.7
4/1/2020 16:30	57	0.13	3.8
4/1/2020 17:00	65	0.14	3.8
4/1/2020 17:30	48	0.11	3.7
4/1/2020 18:00	56	0.12	3.7
4/1/2020 18:30	42	0.09	3.7
4/1/2020 19:00	54	0.12	3.7
4/1/2020 19:30	38	0.08	3.7
4/1/2020 20:00	45	0.10	3.7
4/1/2020 20:30	43	0.10	3.7
4/1/2020 21:00	52	0.12	3.7
4/1/2020 21:30	49	0.11	3.7
4/1/2020 22:00	55	0.12	3.7
4/1/2020 22:30	51	0.11	3.7
4/1/2020 23:00	54	0.12	3.7
4/1/2020 23:30	56	0.12	3.7
4/2/2020 0:00	61	0.14	3.7
4/2/2020 0:30	56	0.12	3.7
4/2/2020 1:00	57	0.13	3.7
4/2/2020 1:30	58	0.13	3.7
4/2/2020 2:00	60	0.13	3.7
4/2/2020 2:30	62	0.14	3.7
4/2/2020 3:00	62	0.14	3.7
4/6/2020 21:00	54	0.12	2.1
4/6/2020 21:30	59	0.13	2.2
4/6/2020 22:00	58	0.13	2.2
4/6/2020 22:30	54	0.12	2.1
4/6/2020 23:00	53	0.12	2.2
4/6/2020 23:30	53	0.12	2.1

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/7/2020 0:00	51	0.11	2.2
4/7/2020 0:30	60	0.13	2.1
4/7/2020 1:00	57	0.13	2.1
4/7/2020 1:30	63	0.14	2.1
4/7/2020 2:00	59	0.13	2.1
4/7/2020 2:30	62	0.14	2.1
4/7/2020 3:00	60	0.13	2.1
4/7/2020 3:30	51	0.11	2.1
4/7/2020 4:00	52	0.12	2.1
4/7/2020 4:30	48	0.11	2.1
4/7/2020 5:00	48	0.11	2.1
4/7/2020 5:30	46	0.10	2.1
4/7/2020 6:00	48	0.11	2.1
4/7/2020 6:30	43	0.10	2.1
4/7/2020 7:00	45	0.10	2.1
4/7/2020 7:30	49	0.11	2.1
4/7/2020 8:00	51	0.11	2.1
4/7/2020 8:30	55	0.12	2.1
4/7/2020 9:00	56	0.12	2.1
4/7/2020 9:30	60	0.13	2.1
4/7/2020 10:00	53	0.12	2.1
4/7/2020 10:30	69	0.15	2.1
4/7/2020 11:00	62	0.14	2.1
4/7/2020 11:30	80	0.18	2.1
4/7/2020 12:00	66	0.15	2.1
4/7/2020 12:30	84	0.19	2.1
4/7/2020 13:00	69	0.15	2.1
4/7/2020 13:30	81	0.18	2.1
4/7/2020 14:00	35	0.08	2.1
4/7/2020 14:30	76	0.17	2.1
4/7/2020 15:00	70	0.16	2.1
4/7/2020 15:30	63	0.14	2.1
4/7/2020 16:00	51	0.11	2.1
4/7/2020 16:30	69	0.15	2.1
4/7/2020 17:00	65	0.14	2.1
4/7/2020 17:30	66	0.15	2.1
4/7/2020 18:00	60	0.13	2.1
4/7/2020 18:30	58	0.13	2.1
4/7/2020 19:00	60	0.13	2.1
4/7/2020 19:30	55	0.12	2.1
4/7/2020 20:00	55	0.12	2.1
4/7/2020 20:30	48	0.11	2.1
4/8/2020 21:30	108	0.24	2.1
4/8/2020 22:00	133	0.30	2.1
4/8/2020 22:30	108	0.24	2.1
4/8/2020 23:00	68	0.15	2.1
4/8/2020 23:30	95	0.21	2.1
4/9/2020 0:00	82	0.18	2.1
4/9/2020 0:30	72	0.16	2.2
4/9/2020 1:00	64	0.14	2.1
4/9/2020 1:30	69	0.15	2.1
4/9/2020 2:00	61	0.14	2.2
4/9/2020 2:30	74	0.16	2.1
4/9/2020 3:00	59	0.13	2.1
4/9/2020 3:30	74	0.16	2.2
4/9/2020 4:00	65	0.14	2.2
4/9/2020 4:30	78	0.17	2.2
4/9/2020 5:00	89	0.20	2.2
4/9/2020 5:30	34	0.07	2.2
4/9/2020 6:00	35	0.08	2.2
4/9/2020 6:30	33	0.07	2.2

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/9/2020 7:00	32	0.07	2.2
4/9/2020 7:30	78	0.17	2.2
4/9/2020 8:00	107	0.24	2.2
4/9/2020 8:30	69	0.15	2.2
4/9/2020 9:00	62	0.14	2.2
4/9/2020 9:30	60	0.13	2.2
4/9/2020 10:00	50	0.11	2.2
4/9/2020 10:30	76	0.17	2.2
4/9/2020 11:00	71	0.16	2.2
4/9/2020 11:30	86	0.19	2.2
4/9/2020 12:00	72	0.16	2.2
4/9/2020 12:30	70	0.16	2.2
4/9/2020 13:00	59	0.13	2.2
4/9/2020 13:30	68	0.15	2.2
4/9/2020 14:00	54	0.12	2.2
4/9/2020 14:30	79	0.18	2.2
4/9/2020 15:00	71	0.16	2.2
4/9/2020 15:30	68	0.15	2.3
4/9/2020 16:00	61	0.14	2.2
4/9/2020 16:30	54	0.12	2.2
4/9/2020 17:00	51	0.11	2.2
4/9/2020 17:30	51	0.11	2.2
4/9/2020 18:00	53	0.12	2.2
4/9/2020 18:30	52	0.12	2.2
4/9/2020 19:00	61	0.14	2.2
4/9/2020 19:30	37	0.08	2.2
4/9/2020 20:00	43	0.10	2.2
4/9/2020 20:30	31	0.07	2.2
4/9/2020 21:00	39	0.09	2.2
4/9/2020 21:30	39	0.09	2.2
4/9/2020 22:00	49	0.11	2.2
4/9/2020 22:30	39	0.09	2.2
4/9/2020 23:00	47	0.11	2.2
4/9/2020 23:30	29	0.06	2.2
4/10/2020 0:00	34	0.08	2.2
4/10/2020 0:30	38	0.08	2.2
4/10/2020 1:00	47	0.10	2.2
4/10/2020 1:30	37	0.08	2.2
4/10/2020 2:00	44	0.10	2.2
4/10/2020 2:30	38	0.09	2.3
4/10/2020 3:00	41	0.09	2.3
4/10/2020 3:30	41	0.09	2.3
4/10/2020 4:00	49	0.11	2.3
4/10/2020 4:30	45	0.10	2.2
4/10/2020 5:00	50	0.11	2.3
4/10/2020 5:30	42	0.09	2.2
4/10/2020 6:00	50	0.11	2.2
4/10/2020 6:30	34	0.08	2.2
4/10/2020 7:00	45	0.10	2.3
4/10/2020 7:30	28	0.06	2.3
4/10/2020 8:00	38	0.09	2.3
4/10/2020 8:30	30	0.07	2.3
4/13/2020 7:30	110	0.25	2.1
4/13/2020 8:00	194	0.43	2.1
4/13/2020 8:30	97	0.22	2.1
4/13/2020 9:00	51	0.11	2.1
4/13/2020 9:30	55	0.12	2.1
4/13/2020 10:00	52	0.12	2.2
4/13/2020 10:30	61	0.14	2.2
4/13/2020 11:00	63	0.14	2.2
4/13/2020 11:30	44	0.10	2.2

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/13/2020 12:00	44	0.10	2.2
4/13/2020 12:30	55	0.12	2.2
4/13/2020 13:00	63	0.14	2.3
4/13/2020 13:30	49	0.11	2.3
4/13/2020 14:00	49	0.11	2.3
4/13/2020 14:30	51	0.11	2.3
4/13/2020 15:00	58	0.13	2.3
4/13/2020 15:30	54	0.12	2.3
4/13/2020 16:00	64	0.14	2.3
4/13/2020 16:30	36	0.08	2.4
4/13/2020 17:00	44	0.10	2.4
4/13/2020 17:30	33	0.07	2.4
4/13/2020 18:00	48	0.11	2.4
4/13/2020 18:30	37	0.08	2.4
4/13/2020 19:00	46	0.10	2.4
4/13/2020 19:30	35	0.08	2.4
4/13/2020 20:00	45	0.10	2.4
4/13/2020 20:30	34	0.07	2.4
4/13/2020 21:00	42	0.09	2.4
4/13/2020 21:30	41	0.09	2.4
4/13/2020 22:00	46	0.10	2.4
4/13/2020 22:30	47	0.10	2.4
4/13/2020 23:00	51	0.11	2.4
4/13/2020 23:30	46	0.10	2.4
4/14/2020 0:00	48	0.11	2.4
4/14/2020 0:30	43	0.10	2.4
4/14/2020 1:00	46	0.10	2.4
4/14/2020 1:30	53	0.12	2.4
4/14/2020 2:00	61	0.14	2.4
4/14/2020 2:30	51	0.11	2.4
4/14/2020 3:00	54	0.12	2.4
4/14/2020 3:30	39	0.09	2.4
4/14/2020 4:00	44	0.10	2.4
4/14/2020 4:30	39	0.09	2.4
4/14/2020 5:00	48	0.11	2.4
4/14/2020 5:30	34	0.08	2.4
4/14/2020 6:00	36	0.08	2.4
4/14/2020 6:30	40	0.09	2.4
4/14/2020 7:00	45	0.10	2.4
4/14/2020 7:30	57	0.13	2.5
4/14/2020 8:00	54	0.12	2.5
4/14/2020 8:30	59	0.13	2.5
4/18/2020 11:30	51	0.11	3.7
4/18/2020 12:00	58	0.13	3.6
4/18/2020 12:30	47	0.11	3.6
4/18/2020 13:00	43	0.10	3.6
4/18/2020 13:30	43	0.10	3.6
4/18/2020 14:00	43	0.09	3.6
4/18/2020 14:30	52	0.12	3.6
4/18/2020 15:00	55	0.12	3.6
4/18/2020 15:30	49	0.11	3.6
4/18/2020 17:00	40	0.09	3.6
4/18/2020 17:30	32	0.07	3.6
4/18/2020 18:00	40	0.09	3.5
4/18/2020 18:30	37	0.08	3.5
4/18/2020 19:00	46	0.10	3.5
4/18/2020 19:30	33	0.07	3.5
4/18/2020 20:00	40	0.09	3.5
4/18/2020 20:30	31	0.07	3.5
4/18/2020 21:00	37	0.08	3.5
4/18/2020 21:30	36	0.08	3.4

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/18/2020 22:00	42	0.09	3.4
4/18/2020 22:30	44	0.10	3.4
4/18/2020 23:00	47	0.11	3.4
4/18/2020 23:30	39	0.09	3.4
4/19/2020 0:00	37	0.08	3.4
4/19/2020 0:30	42	0.09	3.4
4/19/2020 1:00	43	0.10	3.4
4/19/2020 1:30	44	0.10	3.3
4/19/2020 2:00	46	0.10	3.3
4/19/2020 2:30	46	0.10	3.3
4/19/2020 3:00	45	0.10	3.3
4/19/2020 3:30	43	0.10	3.3
4/19/2020 4:00	41	0.09	3.3
4/19/2020 4:30	55	0.12	3.3
4/19/2020 5:00	57	0.13	3.3
4/19/2020 5:30	46	0.10	3.3
4/19/2020 6:00	39	0.09	3.3
4/19/2020 6:30	48	0.11	3.3
4/19/2020 7:00	47	0.11	3.2
4/19/2020 7:30	56	0.12	3.2
4/19/2020 8:00	48	0.11	3.2
4/19/2020 8:30	64	0.14	3.2
4/19/2020 9:00	60	0.13	3.2
4/19/2020 9:30	50	0.11	3.2
4/19/2020 10:00	39	0.09	3.2
4/19/2020 10:30	60	0.13	3.2
4/19/2020 11:00	64	0.14	3.2
4/20/2020 2:00	58	0.13	2.8
4/20/2020 2:30	68	0.15	2.8
4/20/2020 3:00	52	0.12	2.8
4/20/2020 3:30	59	0.13	2.8
4/20/2020 4:00	47	0.11	2.8
4/20/2020 4:30	85	0.19	2.8
4/20/2020 5:00	73	0.16	2.8
4/20/2020 5:30	90	0.20	2.8
4/20/2020 6:00	74	0.16	2.8
4/20/2020 6:30	73	0.16	2.8
4/20/2020 7:00	63	0.14	2.7
4/20/2020 7:30	71	0.16	2.7
4/20/2020 8:00	57	0.13	2.7
4/20/2020 8:30	59	0.13	2.7
4/20/2020 9:00	67	0.15	2.7
4/20/2020 9:30	42	0.09	2.7
4/20/2020 10:00	67	0.15	2.7
4/20/2020 10:30	53	0.12	2.7
4/20/2020 11:00	48	0.11	2.7
4/20/2020 11:30	120	0.27	2.7
4/20/2020 12:00	141	0.31	2.7
4/20/2020 12:30	87	0.19	2.7
4/20/2020 13:00	80	0.18	2.7
4/20/2020 13:30	51	0.11	2.7
4/20/2020 14:00	64	0.14	2.7
4/20/2020 14:30	51	0.11	2.7
4/20/2020 15:00	70	0.15	2.7
4/20/2020 15:30	45	0.10	2.7
4/20/2020 17:00	48	0.11	2.7
4/20/2020 17:30	35	0.08	2.7
4/20/2020 18:00	41	0.09	2.7
4/20/2020 18:30	38	0.08	2.7
4/20/2020 19:00	47	0.10	2.7
4/20/2020 19:30	37	0.08	2.7

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/20/2020 20:00	43	0.10	2.7
4/20/2020 20:30	33	0.07	2.7
4/20/2020 21:00	36	0.08	2.7
4/20/2020 21:30	44	0.10	2.7
4/20/2020 22:00	46	0.10	2.7
4/20/2020 22:30	53	0.12	2.7
4/20/2020 23:00	50	0.11	2.7
4/20/2020 23:30	50	0.11	2.7
4/21/2020 0:00	48	0.11	2.7
4/21/2020 0:30	44	0.10	2.7
4/21/2020 1:00	42	0.09	2.7
4/21/2020 1:30	56	0.13	2.7
4/21/2020 2:00	59	0.13	2.7
4/21/2020 2:30	47	0.11	2.7
4/21/2020 3:00	45	0.10	2.7
4/21/2020 3:30	44	0.10	2.7
4/21/2020 4:00	47	0.10	2.7
4/21/2020 4:30	42	0.09	2.7
4/21/2020 5:00	44	0.10	2.7
4/21/2020 5:30	42	0.09	2.7
4/21/2020 6:00	42	0.09	2.7
4/21/2020 6:30	43	0.10	2.7
4/21/2020 7:00	45	0.10	2.7
4/21/2020 7:30	48	0.11	2.7
4/21/2020 8:00	47	0.10	2.7
4/21/2020 8:30	56	0.13	2.7
4/21/2020 9:00	52	0.12	2.7
4/21/2020 9:30	59	0.13	2.7
4/21/2020 10:00	55	0.12	2.7
4/21/2020 10:30	61	0.14	2.7
4/21/2020 11:00	50	0.11	2.7
4/21/2020 11:30	81	0.18	2.7
4/21/2020 12:00	69	0.15	2.8
4/21/2020 12:30	66	0.15	2.8
4/21/2020 13:00	49	0.11	2.8
4/21/2020 13:30	37	0.08	2.8
4/21/2020 14:00	30	0.07	2.8
4/21/2020 14:30	24	0.05	2.8
4/21/2020 15:00	19	0.04	2.8
4/21/2020 15:30	46	0.10	2.8
4/23/2020 11:30	43	0.09	3.1
4/23/2020 12:00	48	0.11	3.1
4/23/2020 12:30	34	0.08	3.1
4/23/2020 13:00	49	0.11	3.1
4/23/2020 13:30	15	0.03	3.1
4/23/2020 14:00	50	0.11	3.1
4/23/2020 14:30	39	0.09	3.1
4/23/2020 15:00	50	0.11	3.1
4/23/2020 15:30	24	0.05	3.1
4/23/2020 17:00	48	0.11	3.1
4/23/2020 17:30	50	0.11	3.1
4/23/2020 18:00	49	0.11	3.1
4/23/2020 18:30	36	0.08	3.1
4/23/2020 19:00	50	0.11	3.1
4/23/2020 19:30	28	0.06	3.1
4/23/2020 20:00	49	0.11	3.1
4/23/2020 20:30	68	0.15	3.1
4/23/2020 21:00	51	0.11	3.1
4/23/2020 21:30	75	0.17	3.1
4/23/2020 22:00	55	0.12	3.0
4/23/2020 22:30	53	0.12	3.1

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/23/2020 23:00	65	0.14	3.0
4/23/2020 23:30	56	0.12	3.0
4/24/2020 0:00	69	0.15	3.0
4/24/2020 0:30	42	0.09	3.0
4/24/2020 1:00	59	0.13	3.0
4/24/2020 1:30	49	0.11	3.0
4/24/2020 2:00	54	0.12	3.0
4/24/2020 2:30	53	0.12	3.0
4/24/2020 3:00	54	0.12	3.0
4/24/2020 3:30	56	0.12	3.0
4/24/2020 4:00	51	0.11	3.0
4/24/2020 4:30	49	0.11	3.0
4/24/2020 5:00	51	0.11	3.0
4/24/2020 5:30	50	0.11	3.0
4/24/2020 6:00	50	0.11	3.0
4/24/2020 6:30	43	0.10	3.0
4/24/2020 7:00	50	0.11	3.0
4/24/2020 7:30	51	0.11	3.0
4/24/2020 8:00	50	0.11	3.0
4/24/2020 8:30	50	0.11	3.0
4/24/2020 9:00	52	0.12	2.9
4/24/2020 9:30	52	0.12	2.9
4/24/2020 10:00	49	0.11	2.9
4/24/2020 10:30	47	0.11	2.9
4/24/2020 11:00	51	0.11	2.9
4/24/2020 11:30	54	0.12	2.9
4/24/2020 12:15	54	0.12	2.9
4/24/2020 12:45	47	0.10	2.9
4/24/2020 13:15	57	0.13	2.9
4/24/2020 13:45	56	0.12	2.9
4/24/2020 14:15	53	0.12	2.9
4/24/2020 14:45	44	0.10	2.9
4/24/2020 15:15	52	0.12	2.9
4/24/2020 15:45	49	0.11	2.9
4/24/2020 16:45	58	0.13	2.9
4/24/2020 17:15	55	0.12	2.9
4/24/2020 17:45	56	0.12	2.8
4/24/2020 18:15	59	0.13	2.8
4/24/2020 18:45	67	0.15	2.8
4/24/2020 19:15	58	0.13	2.8
4/24/2020 19:45	70	0.16	2.8
4/24/2020 20:15	58	0.13	2.8
4/24/2020 20:45	71	0.16	2.8
4/24/2020 21:15	59	0.13	2.8
4/24/2020 21:45	73	0.16	2.8
4/24/2020 22:15	58	0.13	2.8
4/24/2020 22:45	62	0.14	2.8
4/24/2020 23:15	60	0.13	2.8
4/24/2020 23:45	68	0.15	2.8
4/25/2020 0:15	55	0.12	2.8
4/25/2020 0:45	62	0.14	2.8
4/25/2020 1:15	57	0.13	2.8
4/25/2020 1:45	69	0.15	2.8
4/25/2020 2:15	54	0.12	2.8
4/25/2020 2:45	56	0.12	2.7
4/25/2020 3:15	55	0.12	2.7
4/30/2020 5:15	54	0.12	2.7
4/30/2020 5:45	51	0.11	2.7
4/30/2020 6:15	332	0.74	2.7
4/30/2020 6:45	316	0.70	2.7
4/30/2020 7:15	284	0.63	2.7

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
4/30/2020 8:15	437	0.97	2.7
4/30/2020 8:45	337	0.75	2.6
4/30/2020 9:15	375	0.84	2.7
4/30/2020 9:45	521	1.16	2.7
4/30/2020 10:15	329	0.73	2.7
4/30/2020 10:45	284	0.63	2.7
4/30/2020 11:15	329	0.73	2.7
4/30/2020 11:45	251	0.56	2.8
4/30/2020 12:15	215	0.48	2.8
4/30/2020 12:45	180	0.40	2.8
4/30/2020 13:15	166	0.37	2.8
4/30/2020 13:45	161	0.36	2.8
4/30/2020 14:15	140	0.31	2.8
4/30/2020 14:45	128	0.28	2.9
4/30/2020 15:15	126	0.28	2.9
4/30/2020 15:45	106	0.24	2.9
4/30/2020 16:45	97	0.22	3.0
4/30/2020 17:15	106	0.24	3.0
4/30/2020 17:45	103	0.23	3.0
4/30/2020 18:15	101	0.22	3.1
4/30/2020 18:45	90	0.20	3.1
4/30/2020 19:15	97	0.22	3.1
4/30/2020 19:45	105	0.23	3.1
4/30/2020 20:15	89	0.20	3.2
4/30/2020 20:45	92	0.21	3.2
4/30/2020 21:15	87	0.19	3.2
4/30/2020 21:45	100	0.22	3.2
4/30/2020 22:15	80	0.18	3.3
4/30/2020 22:45	82	0.18	3.3
4/30/2020 23:15	73	0.16	3.3
4/30/2020 23:45	72	0.16	3.3
5/1/2020 0:15	76	0.17	3.3
5/1/2020 0:45	81	0.18	3.4
5/1/2020 1:15	69	0.15	3.4
5/1/2020 1:45	69	0.15	3.4
5/1/2020 2:15	65	0.15	3.4
5/1/2020 2:45	62	0.14	3.4
5/1/2020 3:15	67	0.15	3.5
5/1/2020 3:45	72	0.16	3.5
5/1/2020 4:15	65	0.14	3.5
5/1/2020 4:45	66	0.15	3.5
5/1/2020 5:15	67	0.15	3.5
5/1/2020 5:45	80	0.18	3.6
5/1/2020 6:15	65	0.14	3.6
5/1/2020 6:45	76	0.17	3.6
5/1/2020 7:15	62	0.14	3.6
5/1/2020 7:45	75	0.17	3.7
5/1/2020 8:15	61	0.14	3.7
5/1/2020 8:45	67	0.15	3.7
5/1/2020 9:15	63	0.14	3.7
5/1/2020 9:45	62	0.14	3.8
5/1/2020 10:15	62	0.14	3.8
5/1/2020 10:45	68	0.15	3.8
5/1/2020 11:15	64	0.14	3.9
5/1/2020 11:45	64	0.14	3.9
5/1/2020 12:15	63	0.14	3.9
5/1/2020 12:45	61	0.14	4.0
5/1/2020 13:15	66	0.15	4.1
5/1/2020 13:45	67	0.15	4.1
5/1/2020 14:15	63	0.14	4.2
5/1/2020 14:45	58	0.13	4.2

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/6/2020 13:00	50	0.11	4.5
5/6/2020 13:30	50	0.11	4.5
5/6/2020 14:00	55	0.12	4.5
5/6/2020 14:30	61	0.13	4.5
5/6/2020 15:00	62	0.14	4.5
5/6/2020 15:30	60	0.13	4.5
5/6/2020 17:00	57	0.13	4.5
5/6/2020 17:30	51	0.11	4.5
5/6/2020 18:00	62	0.14	4.5
5/6/2020 18:30	64	0.14	4.5
5/6/2020 19:00	122	0.27	4.5
5/6/2020 19:30	177	0.39	4.5
5/6/2020 20:00	66	0.15	4.5
5/6/2020 20:30	65	0.15	4.5
5/6/2020 21:00	86	0.19	4.5
5/6/2020 21:30	109	0.24	4.5
5/6/2020 22:00	77	0.17	4.5
5/6/2020 22:30	106	0.24	4.5
5/6/2020 23:00	57	0.13	4.5
5/6/2020 23:30	59	0.13	4.5
5/7/2020 0:00	60	0.13	4.5
5/7/2020 0:30	63	0.14	4.5
5/7/2020 1:00	63	0.14	4.4
5/7/2020 1:30	70	0.16	4.5
5/7/2020 2:00	53	0.12	4.4
5/7/2020 2:30	47	0.11	4.4
5/7/2020 3:00	55	0.12	4.4
5/7/2020 3:30	57	0.13	4.4
5/7/2020 4:00	58	0.13	4.4
5/7/2020 4:30	61	0.14	4.4
5/7/2020 5:00	66	0.15	4.4
5/7/2020 5:30	72	0.16	4.4
5/7/2020 6:00	65	0.15	4.4
5/7/2020 6:30	78	0.17	4.4
5/7/2020 7:00	70	0.16	4.4
5/7/2020 7:30	85	0.19	4.4
5/7/2020 8:00	56	0.13	4.4
5/7/2020 8:30	63	0.14	4.3
5/7/2020 9:00	65	0.15	4.3
5/7/2020 9:30	71	0.16	4.3
5/7/2020 10:00	61	0.14	4.3
5/7/2020 10:30	64	0.14	4.3
5/7/2020 11:00	59	0.13	4.2
5/7/2020 11:30	58	0.13	4.2
5/7/2020 12:00	53	0.12	4.2
5/7/2020 12:30	48	0.11	4.2
5/7/2020 13:00	54	0.12	4.2
5/7/2020 13:30	48	0.11	4.1
5/7/2020 14:00	52	0.12	4.1
5/7/2020 14:30	48	0.11	4.1
5/7/2020 15:00	50	0.11	4.1
5/7/2020 15:30	46	0.10	4.1
5/7/2020 17:00	57	0.13	4.0
5/7/2020 17:30	56	0.12	4.0
5/7/2020 18:00	59	0.13	4.0
5/7/2020 18:30	60	0.13	3.9
5/7/2020 19:00	61	0.14	3.9
5/7/2020 19:30	69	0.15	3.9
5/7/2020 20:00	67	0.15	3.9
5/7/2020 20:30	80	0.18	3.9
5/7/2020 21:00	61	0.13	3.9

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/7/2020 21:30	73	0.16	3.8
5/7/2020 22:00	57	0.13	3.8
5/7/2020 22:30	60	0.13	3.8
5/7/2020 23:00	50	0.11	3.8
5/7/2020 23:30	47	0.11	3.8
5/8/2020 0:00	51	0.11	3.8
5/8/2020 0:30	46	0.10	3.8
5/8/2020 1:00	52	0.12	3.8
5/18/2020 21:00	71	0.16	1.5
5/18/2020 21:30	73	0.16	1.5
5/18/2020 22:00	71	0.16	1.5
5/18/2020 22:30	77	0.17	1.5
5/18/2020 23:00	64	0.14	1.5
5/18/2020 23:30	57	0.13	1.5
5/19/2020 0:00	50	0.11	1.5
5/19/2020 0:30	83	0.18	1.5
5/19/2020 1:00	93	0.21	1.5
5/19/2020 1:30	62	0.14	1.5
5/19/2020 2:00	49	0.11	1.5
5/19/2020 2:30	41	0.09	1.5
5/19/2020 3:00	48	0.11	1.5
5/19/2020 3:30	46	0.10	1.5
5/19/2020 4:00	61	0.14	1.5
5/19/2020 4:30	143	0.32	1.5
5/19/2020 5:00	125	0.28	1.5
5/19/2020 5:30	90	0.20	1.5
5/19/2020 6:00	76	0.17	1.5
5/19/2020 6:30	73	0.16	1.5
5/19/2020 7:00	74	0.16	1.5
5/19/2020 7:30	77	0.17	1.5
5/19/2020 8:00	63	0.14	1.5
5/19/2020 8:30	67	0.15	1.5
5/19/2020 9:00	58	0.13	1.5
5/19/2020 9:30	61	0.14	1.5
5/19/2020 10:00	55	0.12	1.5
5/19/2020 10:30	56	0.12	1.5
5/19/2020 11:00	49	0.11	1.6
5/19/2020 11:30	49	0.11	1.6
5/19/2020 12:00	48	0.11	1.6
5/19/2020 12:30	46	0.10	1.6
5/19/2020 13:00	52	0.12	1.6
5/19/2020 13:30	51	0.11	1.6
5/19/2020 14:00	45	0.10	1.6
5/19/2020 14:30	45	0.10	1.6
5/19/2020 15:00	47	0.10	1.6
5/19/2020 15:30	45	0.10	1.6
5/19/2020 17:00	47	0.10	1.6
5/19/2020 17:30	51	0.11	1.6
5/19/2020 18:00	57	0.13	1.6
5/19/2020 18:30	66	0.15	1.6
5/19/2020 19:00	56	0.13	1.6
5/19/2020 19:30	63	0.14	1.6
5/19/2020 20:00	57	0.13	1.6
5/19/2020 20:30	67	0.15	1.7
5/19/2020 21:00	61	0.14	1.7
5/19/2020 21:30	72	0.16	1.7
5/19/2020 22:00	58	0.13	1.7
5/19/2020 22:30	65	0.15	1.7
5/19/2020 23:00	55	0.12	1.7
5/19/2020 23:30	61	0.14	1.7
5/20/2020 0:00	55	0.12	1.7

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/20/2020 0:30	49	0.11	1.7
5/20/2020 1:00	53	0.12	1.7
5/20/2020 1:30	60	0.13	1.7
5/20/2020 2:00	48	0.11	1.7
5/20/2020 2:30	38	0.08	1.8
5/20/2020 3:00	47	0.11	1.8
5/20/2020 3:30	43	0.10	1.8
5/20/2020 4:00	55	0.12	1.8
5/20/2020 4:30	60	0.13	1.8
5/20/2020 5:00	58	0.13	1.8
5/20/2020 5:30	69	0.15	1.8
5/20/2020 6:00	70	0.16	1.8
5/20/2020 6:30	76	0.17	1.8
5/20/2020 7:00	46	0.10	1.8
5/20/2020 7:30	44	0.10	1.9
5/20/2020 8:00	52	0.12	1.9
5/20/2020 8:30	52	0.12	1.9
5/20/2020 9:00	50	0.11	1.9
5/20/2020 9:30	54	0.12	1.9
5/20/2020 10:00	61	0.14	1.9
5/20/2020 10:30	68	0.15	1.9
5/20/2020 11:00	48	0.11	1.9
5/20/2020 11:30	50	0.11	1.9
5/20/2020 12:00	50	0.11	2.0
5/20/2020 12:30	53	0.12	2.0
5/20/2020 13:00	47	0.10	2.0
5/20/2020 13:30	46	0.10	2.0
5/20/2020 14:00	34	0.08	2.0
5/20/2020 14:30	28	0.06	2.0
5/20/2020 15:00	39	0.09	2.0
5/20/2020 15:30	34	0.08	2.0
5/20/2020 17:00	38	0.08	2.0
5/20/2020 17:30	36	0.08	2.0
5/20/2020 18:00	51	0.11	2.1
5/20/2020 18:30	91	0.20	2.1
5/20/2020 19:00	119	0.26	2.1
5/20/2020 19:30	164	0.37	2.1
5/20/2020 20:00	259	0.58	2.1
5/20/2020 21:00	650	1.45	2.1
5/20/2020 21:30	350	0.78	2.1
5/20/2020 22:00	414	0.92	2.1
5/20/2020 23:00	560	1.25	2.1
5/20/2020 23:30	352	0.78	2.1
5/21/2020 0:00	313	0.70	2.1
5/21/2020 0:30	252	0.56	2.1
5/21/2020 1:00	203	0.45	2.1
5/21/2020 1:30	206	0.46	2.2
5/21/2020 2:00	231	0.51	2.2
5/21/2020 2:30	212	0.47	2.2
5/21/2020 3:00	269	0.60	2.3
5/21/2020 3:30	272	0.60	2.3
5/21/2020 4:00	228	0.51	2.4
5/21/2020 4:30	186	0.41	2.4
5/21/2020 5:00	200	0.44	2.5
5/21/2020 5:30	198	0.44	2.6
5/21/2020 6:00	174	0.39	2.7
5/21/2020 6:30	180	0.40	2.7
5/21/2020 7:00	149	0.33	2.8
5/21/2020 7:30	158	0.35	2.9
5/21/2020 8:00	162	0.36	3.0
5/21/2020 8:30	164	0.36	3.1

TABLE B8-3
HISTORICAL SEEP C FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/21/2020 9:00	119	0.27	3.1
5/21/2020 9:30	119	0.26	3.2
5/21/2020 10:00	121	0.27	3.3
5/21/2020 10:30	120	0.27	3.4
Median Flow Rate	56	0.12	

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

TABLE B8-4
HISTORICAL SEEP D FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/18/2020 21:00	201	0.45	1.5
5/18/2020 21:30	191	0.43	1.5
5/18/2020 22:00	197	0.44	1.5
5/18/2020 22:30	208	0.46	1.5
5/18/2020 23:00	171	0.38	1.5
5/18/2020 23:30	162	0.36	1.5
5/19/2020 0:00	157	0.35	1.5
5/19/2020 0:30	195	0.43	1.5
5/19/2020 1:00	180	0.40	1.5
5/19/2020 1:30	147	0.33	1.5
5/19/2020 2:00	136	0.30	1.5
5/19/2020 2:30	129	0.29	1.5
5/19/2020 3:00	151	0.34	1.5
5/19/2020 3:30	146	0.32	1.5
5/19/2020 4:00	184	0.41	1.5
5/19/2020 4:30	294	0.65	1.5
5/19/2020 5:00	202	0.45	1.5
5/19/2020 5:30	180	0.40	1.5
5/19/2020 6:00	178	0.40	1.5
5/19/2020 6:30	184	0.41	1.5
5/19/2020 7:00	194	0.43	1.5
5/19/2020 7:30	204	0.45	1.5
5/19/2020 8:00	182	0.41	1.5
5/19/2020 8:30	192	0.43	1.5
5/19/2020 9:00	174	0.39	1.5
5/19/2020 9:30	180	0.40	1.5
5/19/2020 10:00	169	0.38	1.5
5/19/2020 10:30	169	0.38	1.5
5/19/2020 11:00	157	0.35	1.6
5/19/2020 11:30	156	0.35	1.6
5/19/2020 12:00	158	0.35	1.6
5/19/2020 12:30	152	0.34	1.6
5/19/2020 13:00	162	0.36	1.6
5/19/2020 13:30	167	0.37	1.6
5/19/2020 14:00	154	0.34	1.6
5/19/2020 14:30	152	0.34	1.6
5/19/2020 15:00	157	0.35	1.6
5/19/2020 15:30	152	0.34	1.6
5/19/2020 17:00	159	0.36	1.6
5/19/2020 17:30	169	0.38	1.6
5/19/2020 18:00	181	0.40	1.6
5/19/2020 18:30	205	0.46	1.6
5/19/2020 19:00	184	0.41	1.6
5/19/2020 19:30	196	0.44	1.6
5/19/2020 20:00	188	0.42	1.6
5/19/2020 20:30	206	0.46	1.7
5/19/2020 21:00	196	0.44	1.7
5/19/2020 21:30	216	0.48	1.7
5/19/2020 22:00	188	0.42	1.7
5/19/2020 22:30	200	0.45	1.7
5/19/2020 23:00	172	0.38	1.7
5/19/2020 23:30	163	0.36	1.7
5/20/2020 0:00	156	0.35	1.7
5/20/2020 0:30	150	0.33	1.7
5/20/2020 1:00	160	0.36	1.7
5/20/2020 1:30	173	0.39	1.7
5/20/2020 2:00	138	0.31	1.7
5/20/2020 2:30	124	0.28	1.8
5/20/2020 3:00	143	0.32	1.8
5/20/2020 3:30	138	0.31	1.8
5/20/2020 4:00	170	0.38	1.8
5/20/2020 4:30	178	0.40	1.8
5/20/2020 5:00	176	0.39	1.8
5/20/2020 5:30	203	0.45	1.8
5/20/2020 6:00	204	0.45	1.8

TABLE B8-4
HISTORICAL SEEP D FLUME DATA - Q2 2020 WET WEATHER EVENTS
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (gpm)	Flow Rate (ft^3/s)	Gage Height (ft)
5/20/2020 6:30	215	0.48	1.8
5/20/2020 7:00	150	0.33	1.8
5/20/2020 7:30	148	0.33	1.9
5/20/2020 8:00	165	0.37	1.9
5/20/2020 8:30	162	0.36	1.9
5/20/2020 9:00	167	0.37	1.9
5/20/2020 9:30	174	0.39	1.9
5/20/2020 10:00	191	0.43	1.9
5/20/2020 10:30	201	0.45	1.9
5/20/2020 11:00	159	0.35	1.9
5/20/2020 11:30	163	0.36	1.9
5/20/2020 12:00	170	0.38	2.0
5/20/2020 12:30	171	0.38	2.0
5/20/2020 13:00	162	0.36	2.0
5/20/2020 13:30	158	0.35	2.0
5/20/2020 14:00	123	0.27	2.0
5/20/2020 14:30	113	0.25	2.0
5/20/2020 15:00	141	0.32	2.0
5/20/2020 15:30	131	0.29	2.0
5/20/2020 17:00	142	0.32	2.0
5/20/2020 17:30	137	0.31	2.0
5/20/2020 18:00	179	0.40	2.1
5/20/2020 18:30	211	0.47	2.1
5/20/2020 19:00	248	0.55	2.1
5/20/2020 19:30	239	0.53	2.1
5/20/2020 20:00	386	0.86	2.1
5/20/2020 20:30	629	1.40	2.1
5/20/2020 21:00	365	0.81	2.1
5/20/2020 21:30	324	0.72	2.1
5/20/2020 22:00	349	0.78	2.1
5/20/2020 22:30	603	1.34	2.1
5/20/2020 23:00	290	0.65	2.1
5/20/2020 23:30	193	0.43	2.1
5/21/2020 0:00	200	0.45	2.1
5/21/2020 0:30	190	0.42	2.1
5/21/2020 1:00	186	0.42	2.1
5/21/2020 1:30	224	0.50	2.2
5/21/2020 2:00	207	0.46	2.2
5/21/2020 2:30	200	0.45	2.2
5/21/2020 3:00	244	0.54	2.3
5/21/2020 3:30	216	0.48	2.3
5/21/2020 4:00	185	0.41	2.4
5/21/2020 4:30	180	0.40	2.4
5/21/2020 5:00	212	0.47	2.5
5/21/2020 5:30	227	0.51	2.6
5/21/2020 6:00	214	0.48	2.7
5/21/2020 6:30	229	0.51	2.7
5/21/2020 7:00	203	0.45	2.8
5/21/2020 7:30	225	0.50	2.9
5/21/2020 8:00	225	0.50	3.0
5/21/2020 8:30	232	0.52	3.1
5/21/2020 9:00	180	0.40	3.1
5/21/2020 9:30	184	0.41	3.2
5/21/2020 10:00	193	0.43	3.3
5/21/2020 10:30	193	0.43	3.4
Median Flow Rate	180	0.40	

Notes

Measurements are recorded from the flume at Seep D.
The current flume at Seep D was installed in May 2020.
ft^3/sec - cubic feet per second
ft - feet
gpm - gallons per minute

TABLE B9-1
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - APRIL 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
West Bank	0	0.00	0.02	0.00	0.12	0.00
Bottom	0.5	0.08	0.06	0.12	0.47	0.03
Top	0.5	0.00		0.36		
Bottom	1	0.17	0.09	0.43	0.76	0.07
Middle	1	0.08		0.70		
Top	1	0.00		0.75		
Bottom	1.5	0.21	0.11	0.62	0.89	0.10
Middle	1.5	0.10		0.81		
Top	1.5	0.00		0.93		
Bottom	2	0.25	0.13	0.71	1.09	0.14
Middle	2	0.13		0.96		
Top	2	0.00		1.13		
Bottom	2.5	0.25	0.14	0.55	1.05	0.14
Middle	2.5	0.13		1.22		
Top	2.5	0.00		1.15		
Bottom	3	0.29	0.16	0.42	1.06	0.16
Middle	3	0.15		0.87		
Top	3	0.00		0.95		
Bottom	3.5	0.33	0.18	0.33	1.15	0.20
Middle	3.5	0.17		1.24		
Top	3.5	0.00		1.22		
Bottom	4	0.38	0.20	0.56	1.13	0.22
Middle	4	0.19		1.05		
Top	4	0.00		1.08		
Bottom	4.5	0.42	0.21	0.15	1.26	0.26
Middle	4.5	0.21		1.21		
Top	4.5	0.00		1.38		
Bottom	5	0.42	0.17	0.73	1.06	0.18
Middle	5	0.21		1.31		
Top	5	0.00		1.49		
Bottom	5.5	0.25	0.09	0.28	0.51	0.05
Middle	5.5	0.13		0.81		
Top	5.5	0.00		0.78		
Bottom	6	0.13	0.06	0.11	0.11	0.01
Top	6	0.00		0.32		
Top	6.5	0.00		0.02		
East Bank	7	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	1.6
(gpm)	703
(L/s)	44

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

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

Notes

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

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

TABLE B9-2
OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - MAY 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.03	0.00	0.11	0.00
Top	0.5	0.10	0.05	0.22	0.26	0.01
Top	1	0.10	0.08	0.30	0.20	0.01
Top	1.5	0.20	0.11	0.09	0.39	0.04
Bottom	2	0.25	0.16	0.61	0.81	0.13
Top	2	0.00		0.78		
Bottom	2.5	0.40	0.20	0.85	0.78	0.16
Middle	2.5	0.20		0.92		
Top	2.5	0.00		0.61		
Bottom	3	0.40	0.18	0.51	0.52	0.09
Middle	3	0.20		0.64		
Top	3	0.00		0.17		
Bottom	3.5	0.30	0.10	0.77	0.84	0.08
Middle	3.5	0.15		0.39		
Top	3.5	0.00		0.13		
Top	4	0.10	0.15	1.29	1.26	0.19
Bottom	4.5	0.50	0.25	0.40	1.20	0.30
Middle	4.5	0.25		1.22		
Top	4.5	0.00		1.61		
Bottom	5	0.50	0.20	0.61	1.19	0.24
Middle	5	0.25		1.18		
Top	5	0.00		0.44		
Bottom	5.5	0.30	0.23	0.79	0.60	0.13
Middle	5.5	0.15		1.19		
Top	5.5	0.00		0.91		
Muddy Embankment	6	0.00		0.00		
North Bank	7	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	1.4
(gpm)	626
(L/s)	39

Associated Measurement Notes
Location: Chemours Fayetteville
Station: OLDOF-1
Date: May 25, 2021

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

Notes

1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between Measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B9-3

OLD OUTFALL 002 VOLUMETRIC DISCHARGE CALCULATIONS - JUNE 2021

Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
North Bank	0	0.00	0.10	0.00	0.25	0.03
Bottom	0.5	0.40	0.18	0.26	0.64	0.11
Top	0.5	0.00		0.75		
Bottom	1	0.30	0.16	0.63	0.83	0.14
Top	1	0.00		0.90		
Bottom	1.5	0.35	0.15	0.30	1.15	0.17
Top	1.5	0.00		1.50		
Bottom	2	0.25	0.11	1.40	1.41	0.16
Bottom	2.5	0.20	0.10	1.41	1.51	0.15
Bottom	3	0.20	0.10	1.60	1.65	0.165
Bottom	3.5	0.20	0.13	1.70	1.45	0.18
Bottom	4	0.30	0.125	1.08	1.31	0.16
Top	4	0.00		1.31		
Bottom	4.5	0.20	0.11	1.42	1.27	0.14
Bottom	5	0.25	0.15	1.12	1.05	0.16
Bottom	5.5	0.35	0.19	0.75	0.85	0.16
Top	5.5	0.00		1.20		
Bottom	6	0.40		0.75		
Top / South Bank	6	0.00		0.70		

Total Volumetric Discharge	
(ft^3/s)	1.7
(gpm)	773
(L/s)	49

Associated Measurement Notes

Location: Chemours Fayetteville

Station: OLDOF-1

Date: June 15, 2021

Acronyms

- - data not measured or calculated

ft - feet

ft^2 - square feet

ft^3/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

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

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

TABLE B10-1
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - APRIL 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
West Bank	0	0.00	0.13	0.00	0.72	0.09
Bottom	1	0.25	0.25	0.41	1.56	0.39
Middle	1	0.13		1.44		
Top	1	0.00		1.46		
Bottom	2	0.25	0.58	1.34	1.52	0.89
Middle	2	0.13		1.67		
Top	2	0.00		1.39		
Bottom	4	0.33	0.46	0.67	1.27	0.58
Middle	4	0.17		1.37		
Top	4	0.00		1.16		
Bottom	6	0.13	0.29	1.26	1.02	0.30
Top	6	0.00		1.07		
Bottom	8	0.17	0.25	0.99	0.98	0.24
Top	8	0.00		0.76		
Bottom	10	0.08	0.33	1.22	1.38	0.46
Top	10	0.00		0.94		
Bottom	12	0.25	1.25	1.43	1.20	1.50
Middle	12	0.13		1.67		
Top	12	0.00		1.73		
Bottom	14	1.00	1.50	0.05	1.02	1.53
Middle	14	0.50		0.73		
Top	14	0.00		1.20		
Bottom	16	0.50	0.67	0.99	0.92	0.62
Middle	16	0.25		1.31		
Top	16	0.00		0.38		
Bottom	18	0.17	0.58	0.45	0.87	0.51
Top	18	0.00		0.62		
Bottom	20	0.42	0.83	0.35	1.16	0.97
Middle	20	0.21		1.20		
Top	20	0.00		1.68		
Bottom	22	0.42	0.92	0.58	1.47	1.34
Middle	22	0.21		1.12		
Top	22	0.00		1.18		
Bottom	24	0.50	1.00	0.03	1.73	1.73
Middle	24	0.25		1.81		
Top	24	0.00		1.69		
Bottom	26	0.50	0.50	0.26	0.83	0.41
Middle	26	0.25		1.65		
Top	26	0.00		1.65		
East Bank	28	0.00		0.00		
			Total Volumetric Discharge			
			(ft^3/s)			12
			(gpm)			5184
			(L/s)			327

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

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

Notes

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

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

TABLE B10-2
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - MAY 2021
Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.50	0.00	0.60	0.30
Bottom	2.5	0.40	1.13	0.84	1.17	1.31
Middle	2.5	0.20		1.20		
Top	2.5	0.00		1.40		
Bottom	5	0.50	1.25	0.95	1.31	1.64
Middle	5	0.25		1.13		
Top	5	0.00		1.10		
Bottom	7.5	0.50	1.13	1.30	1.43	1.61
Middle	7.5	0.25		1.49		
Top	7.5	0.00		1.41		
Bottom	10	0.40	0.75	1.18	1.29	0.96
Middle	10	0.20		1.37		
Top	10	0.00		1.17		
Bottom	12.5	0.20	0.50	0.78	1.08	0.54
Middle	12.5	0.10		1.20		
Top	12.5	0.00		1.08		
Bottom	15	0.20	0.63	0.61	0.79	0.49
Middle	15	0.10		0.95		
Top	15	0.00		1.15		
Bottom	17.5	0.30	0.23	0.42	0.32	0.07
Middle	17.5	0.15		0.63		
Top	17.5	0.00		0.82		
North Bank	19	0.00		0.00		

Total Volumetric Discharge		
	(ft^3/s)	6.9
	(gpm)	3107
	(L/s)	196

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: May 25, 2021

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

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

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

TABLE B10-3
WILLIS CREEK VOLUMETRIC DISCHARGE CALCULATIONS - JUNE 2021
Chemours Fayetteville Works, North Carolina

Measurement Point	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	3.75	0.00	0.08	0.28
Bottom	5	1.50	7.25	0.02	0.24	1.74
Middle	5	0.75		0.15		
Top	5	0.00		0.17		
Bottom	10	1.40	6.00	0.10	0.42	2.52
Middle	10	0.70		0.33		
Top	10	0.00		0.38		
Bottom	15	1.00	6.00	0.28	0.49	2.94
Middle	15	0.50		0.51		
Top	15	0.00		0.50		
Bottom	20	1.40	7.00	0.20	0.47	3.26
Middle	20	0.70		0.47		
Top	20	0.00		0.44		
Bottom	25	1.40	6.75	0.20	0.38	2.57
Middle	25	0.70		0.46		
Top	25	0.00		0.45		
Bottom	30	1.30	6.75	0.18	0.18	1.22
Middle	30	0.65		0.30		
Top	30	0.00		0.35		
Bottom	35	1.40	5.50	0.01	0.12	0.63
Middle	35	0.70		0.06		
Top	35	0.00		0.00		
Bottom	40	0.80	4.50	0.01	0.15	0.65
Middle	40	0.40		0.17		
Top	40	0.00		0.18		
Bottom	45	1.00	1.75	0.00	0.06	0.11
Middle	45	0.50		0.12		
Top	45	0.00		0.17		
North Bank	48.5	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	16
(gpm)	7139
(L/s)	450

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Willis Creek 01 (SW-WC-01)
Date: June 15, 2021

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

Notes

1 - Discharge is calculated as product of creek velocity measured at the mid-depth (feet per second) times the cross sectional area of each measurement cell.
2 - Measurement cell areas are calculated assuming a trapezoidal geometry based on distances between Measurement points and the measured water column depths. A measurement cell is an areal section from the width of the river channel.

TABLE B11-1

GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - APRIL 2021

Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.50	0.00	0.44	0.22
Bottom	1	1.00	1.00	0.16	0.78	0.78
Middle	1	0.50		0.88		
Top	1	0.00		1.10		
Bottom	2	1.00	1.00	0.04	1.05	1.05
Middle	2	0.50		0.68		
Top	2	0.00		1.28		
Bottom	3	1.00	1.04	0.51	1.42	1.47
Middle	3	0.50		1.41		
Top	3	0.00		1.25		
Bottom	4	1.08	0.88	0.13	1.51	1.32
Middle	4	0.54		1.42		
Top	4	0.00		1.31		
Bottom	5	0.67	0.63	0.71	1.57	0.98
Middle	5	0.33		1.59		
Top	5	0.00		1.38		
Bottom	6	0.58	0.54	0.21	1.60	0.86
Middle	6	0.29		1.54		
Top	6	0.00		1.42		
Bottom	7	0.50	0.46	0.44	1.51	0.69
Middle	7	0.25		1.65		
Top	7	0.00		1.47		
Bottom	8	0.42	0.21	0.12	0.69	0.14
Middle	8	0.21		1.37		
Top	8	0.00		1.23		
North Bank	9	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	7.5
(gpm)	3372
(L/s)	213

Associated Measurement Notes

Location: Chemours Fayetteville

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

Date: April 20, 2021

Acronyms

- - data not measured or calculated

ft - feet

ft^2 - square feet

ft^3/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the 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 B11-2
GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - MAY 2021
Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.20	0.00	0.27	0.05
Bottom	1	0.40	0.45	0.11	0.87	0.39
Middle	1	0.20		0.54		
Top	1	0.00		0.55		
Bottom	2	0.50	0.55	1.16	1.61	0.89
Middle	2	0.25		1.19		
Top	2	0.00		1.74		
Bottom	3	0.60	0.65	0.96	2.01	1.30
Middle	3	0.30		2.03		
Top	3	0.00		1.22		
Bottom	4	0.70	0.70	0.66	2.02	1.41
Middle	4	0.35		1.98		
Top	4	0.00		1.94		
Bottom	5	0.70	0.70	1.51	1.71	1.19
Middle	5	0.35		2.05		
Top	5	0.00		1.60		
Bottom	6	0.70	0.45	0.44	1.07	0.48
Middle	6	0.35		1.36		
Top	6	0.00		1.26		
Bottom	7	0.20	0.15	0.80	0.82	0.12
Top	7	0.00		0.75		
Bottom	8	0.10	0.15	0.98	0.69	0.10
Top	8	0.00		0.76		
Bottom	9	0.20	0.10	0.49	0.26	0.03
Top	9	0.00		0.53		
North Bank	10	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	6.0
(gpm)	2679
(L/s)	169

Associated Measurement Notes
Location: Chemours Fayetteville
Station: Georgia Branch 01 (SW-GB-01)
Date: May 25, 2021

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

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

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

TABLE B11-3

GEORGIA BRANCH CREEK VOLUMETRIC DISCHARGE CALCULATIONS - JUNE 2021

Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
South Bank	0	0.00	0.83	0.00	0.67	0.55
Bottom	2.75	0.60	1.79	0.90	1.33	2.37
Middle	2.75	0.30		1.33		
Top	2.75	0.00		1.41		
Bottom	5.5	0.70	1.93	0.18	1.17	2.25
Middle	5.5	0.35		1.32		
Top	5.5	0.00		1.49		
Bottom	8.25	0.70	2.13	0.11	0.86	1.83
Middle	8.25	0.35		1.02		
Top	8.25	0.00		1.30		
Bottom	11	0.85	2.23	0.12	0.47	1.05
Middle	11	0.43		0.70		
Top	11	0.00		0.88		
Bottom	13.75	0.78	0.10	0.02	0.12	0.01
Middle	13.75	0.40		0.24		
Top	13.75	0.00		0.19		
North Bank	14	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	8.1
(gpm)	3619
(L/s)	228

Associated Measurement Notes

Location: Chemours Fayetteville

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

Date: June 15, 2021

Acronyms

- - data not measured or calculated

ft - feet

ft^2 - square feet

ft^3/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the 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 B12

LOCK AND DAM SEEP VOLUMETRIC DISCHARGE CALCULATIONS - JUNE 2021

Chemours Fayetteville Works, North Carolina

Location	Distance Along Measured Cross Section	Measured Water Column Depth	Calculated Creek Cell Area[2]	Measured Creek Velocity	Cell Velocity	Calculated Discharge Through Creek Cell Area[1]
	(ft)	(ft)	(ft^2)	(ft/s)	(ft/s)	(ft^3/s)
North Bank	0	0.00	0.04	0.00	0.07	0.00
Bottom	0.4	0.20	0.08	0.14	0.24	0.02
Bottom	0.8	0.20	0.08	0.33	0.21	0.02
Bottom	1.2	0.20	0.02	0.08	0.04	0.00
South Bank	1.4	0.00		0.00		

Total Volumetric Discharge	
(ft^3/s)	0.04
(gpm)	17
(L/s)	1.1

Associated Measurement Notes

Location: Chemours Fayetteville

Station: Lock and Dam Seep

Date: June 15, 2021

Acronyms

- - data not measured or calculated

ft - feet

ft^2 - square feet

ft^3/s - cubic feet per second

gpm - gallons per minute

L/s - liters per second

Notes

1 - Discharge is calculated as product of creek velocity measured at the 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 B13
OUTFALL 002 FLOW RATE - Q2 2021
Chemours Fayetteville Works, North Carolina

Q2 2021 Monthly Event	Date	Outfall 002 Flow (MGD)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
April 2021[1]	04/20/2021	12.919	12,919,000	15.20	8,182,033
	04/21/2021	15.714	15,714,000	8.80	5,761,800
	4/20/2021 8:48 am to 4/21/2021 8:48 am			24	13,943,833
May 2021[2]	5/25/2021	14.275	14,275,000	14.1	8,386,563
	5/26/2021	19.428	19,428,000	8.9	7,204,550
	5/25/2021 9:54 am to 5/26/2021 8:54 am			23	15,591,113
June 2021[3]	6/15/2021	19.727	19,727,000	15.3	12,575,963
	6/16/2021	19.286	19,286,000	7.7	6,187,592
	6/15/2021 8:42 am to 6/16/2021 7:42 am			23	18,763,554

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 7:48 am on 4/21/2021 approximated based on flow rates for 4/20/2021 and 4/21/2021

2 - Total flow volume for 24-hour temporal composite sample collected at 8:54 am on 5/26/2021 approximated based on flow rates for 5/25/2021 and 5/26/2021

3 - Total flow volume for 24-hour temporal composite sample collected at 7:42 am on 6/16/2021 approximated based on flow rates for 6/15/2021 and 6/16/2021

Acronyms:

gal - gallons

MGD - millions of gallons per day

TABLE B14-1
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - Q2 2021
Chemours Fayetteville Works, North Carolina

Q2 2021 Monthly Event	Pathway/ Location	Sample Collection Timepoint	Flow Gauging Location[1]	Travel Time Offset (hr)[2]	Adjusted Flow Gauging Timepoint	Composite Sample 24-Hour Flow Volume (MGD)[3]	Grab Sample Instantaneous Flow Rate (ft^3/s)[4]
April 2021	Upstream River Water and Groundwater	4/20/2021 9:30	William O Huske Lock and Dam	--	4/20/2021 9:30	--	2,870
	Tarheel (Composite Sample)	4/22/2021 13:20	William O Huske Lock and Dam	7	4/22/2021 4:45	1,310	--
	Tarheel (Composite Sample)[5]	4/21/2021 14:48	William O Huske Lock and Dam	7	4/21/2021 7:00	--	2,315
	Tarheel (Grab Sample)	4/20/2021 15:00	William O Huske Lock and Dam	7	4/20/2021 8:30	--	2,900
	Bladen Bluff	4/20/2021 13:55	William O Huske Lock and Dam	5	4/20/2021 9:15	--	2,890
	Kings Bluff	4/23/2021 11:40	Cape Fear River Lock and Dam #1	--	4/23/2021 11:45	--	2,230
May 2021	Upstream River Water and Groundwater	5/25/2021 11:35	William O Huske Lock and Dam	--	5/25/2021 11:30	--	1,180
	Tarheel (Composite Sample)	5/27/2021 13:18	William O Huske Lock and Dam	7	5/27/2021 0:30	780	--
	Tarheel (Grab Sample)	5/26/2021 11:25	William O Huske Lock and Dam	7	5/25/2021 22:30	--	1,240
	Bladen Bluff	5/26/2021 10:45	William O Huske Lock and Dam	5	5/26/2021 2:00	--	1,230
	Kings Bluff	5/28/2021 13:32	Cape Fear River Lock and Dam #1	--	5/28/2021 13:30	--	1,510
June 2021	Upstream River Water and Groundwater	6/15/2021 8:55	William O Huske Lock and Dam	--	6/15/2021 9:00	--	4,430
	Tarheel (Composite Sample)	6/16/2021 14:35	William O Huske Lock and Dam	7	6/16/2021 9:30	2,930	--
	Tarheel (Grab Sample)	6/15/2021 14:25	William O Huske Lock and Dam	7	6/15/2021 9:30	--	4,480
	Bladen Bluff	6/15/2021 12:40	William O Huske Lock and Dam	5	6/15/2021 9:15	--	4,450
	Kings Bluff	6/17/2021 15:45	Cape Fear River Lock and Dam #1	--	6/17/2021 15:45	--	4,290

Notes:

1 - Flow rate measured at USGS gauging station #02105500 located at William O Huske Lock & Dam and USGS gauging station # 02105769 located at Lock and Dam #1 near Kelly, North Carolina.

2 - Flow rates measured at William O Huske Lock and Dam were used for mass loading assessments at Tarheel and Bladen Bluff sample locations. Travel times between William O Huske Lock and Dam and the downstream locations were estimated based on the results of a numerical model of the Cape Fear River developed by Geosyntec which developed a regression curve between the USGS reported gage heights at William O Huske Lock and Dam and travel times.

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

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

5 - Instantaneous flow rate for this 5-hr composite sample is the recorded flow rate at the time of composite sample collection.

Acronyms:

ft_3/s - cubic feet per second
hr - hours
MGD - millions of gallons per day

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/20/2021 0:00	3,050	20,533,973	2.71	0.00
4/20/2021 0:15	3,050	20,533,973	2.71	0.00
4/20/2021 0:30	3,030	20,399,324	2.7	0.00
4/20/2021 0:45	3,030	20,399,324	2.7	0.00
4/20/2021 1:00	3,050	20,533,973	2.71	0.00
4/20/2021 1:15	3,030	20,399,324	2.7	0.00
4/20/2021 1:30	3,030	20,399,324	2.7	0.00
4/20/2021 1:45	3,030	20,399,324	2.7	0.00
4/20/2021 2:00	3,020	20,331,999	2.69	0.00
4/20/2021 2:15	3,030	20,399,324	2.7	0.00
4/20/2021 2:30	3,030	20,399,324	2.7	0.00
4/20/2021 2:45	3,020	20,331,999	2.69	0.00
4/20/2021 3:00	3,020	20,331,999	2.69	0.00
4/20/2021 3:15	3,020	20,331,999	2.69	0.00
4/20/2021 3:30	3,020	20,331,999	2.69	0.00
4/20/2021 3:45	3,020	20,331,999	2.69	0.00
4/20/2021 4:00	3,020	20,331,999	2.69	0.00
4/20/2021 4:15	3,020	20,331,999	2.69	0.00
4/20/2021 4:30	3,000	20,197,350	2.68	0.00
4/20/2021 4:45	3,000	20,197,350	2.68	0.00
4/20/2021 5:00	3,000	20,197,350	2.68	0.00
4/20/2021 5:15	2,980	20,062,701	2.67	0.00
4/20/2021 5:30	2,980	20,062,701	2.67	0.00
4/20/2021 5:45	2,960	19,928,052	2.66	0.00
4/20/2021 6:00	2,980	20,062,701	2.67	0.00
4/20/2021 6:15	2,960	19,928,052	2.66	0.00
4/20/2021 6:30	2,960	19,928,052	2.66	0.00
4/20/2021 6:45	2,940	19,793,403	2.65	0.00
4/20/2021 7:00	2,940	19,793,403	2.65	0.00
4/20/2021 7:15	2,940	19,793,403	2.65	0.00
4/20/2021 7:30	2,920	19,658,754	2.64	0.00
4/20/2021 7:45	2,920	19,658,754	2.64	0.00
4/20/2021 8:00	2,900	19,524,105	2.63	0.00
4/20/2021 8:15	2,900	19,524,105	2.63	0.00
4/20/2021 8:30	2,900	19,524,105	2.63	0.00
4/20/2021 8:45	2,890	19,456,781	2.62	0.00
4/20/2021 9:00	2,890	19,456,781	2.62	0.00
4/20/2021 9:15	2,890	19,456,781	2.62	0.00
4/20/2021 9:30	2,870	19,322,132	2.61	0.00
4/20/2021 9:45	2,850	19,187,483	2.6	0.00
4/20/2021 10:00	2,850	19,187,483	2.6	0.00
4/20/2021 10:15	2,830	19,052,834	2.59	0.00
4/20/2021 10:30	2,830	19,052,834	2.59	0.00
4/20/2021 10:45	2,810	18,918,185	2.58	0.00
4/20/2021 11:00	2,810	18,918,185	2.58	0.00
4/20/2021 11:15	2,790	18,783,536	2.57	0.00
4/20/2021 11:30	2,790	18,783,536	2.57	0.00
4/20/2021 11:45	2,780	18,716,211	2.56	0.00
4/20/2021 12:00	2,760	18,581,562	2.55	0.00
4/20/2021 12:15	2,760	18,581,562	2.55	0.00
4/20/2021 12:30	2,740	18,446,913	2.54	0.00

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/20/2021 12:45	2,740	18,446,913	2.54	0.00
4/20/2021 13:00	2,720	18,312,264	2.53	0.00
4/20/2021 13:15	2,720	18,312,264	2.53	0.00
4/20/2021 13:30	2,710	18,244,940	2.52	0.00
4/20/2021 13:45	2,710	18,244,940	2.52	0.00
4/20/2021 14:00	2,710	18,244,940	2.52	0.00
4/20/2021 14:15	2,670	17,975,642	2.5	0.00
4/20/2021 14:30	2,670	17,975,642	2.5	0.00
4/20/2021 14:45	2,650	17,840,993	2.49	0.00
4/20/2021 15:00	2,650	17,840,993	2.49	0.00
4/20/2021 15:15	2,630	17,706,344	2.48	0.00
4/20/2021 15:30	2,630	17,706,344	2.48	0.00
4/20/2021 15:45	2,630	17,706,344	2.48	0.00
4/20/2021 16:00	2,620	17,639,019	2.47	0.00
4/20/2021 16:15	2,620	17,639,019	2.47	0.00
4/20/2021 16:30	2,600	17,504,370	2.46	0.00
4/20/2021 16:45	2,580	17,369,721	2.45	0.00
4/20/2021 17:00	2,570	17,302,397	2.44	0.00
4/20/2021 17:15	2,550	17,167,748	2.43	0.00
4/20/2021 17:30	2,550	17,167,748	2.43	0.00
4/20/2021 17:45	2,530	17,033,099	2.42	0.00
4/20/2021 18:00	2,530	17,033,099	2.42	0.00
4/20/2021 18:15	2,510	16,898,450	2.41	0.00
4/20/2021 18:30	2,510	16,898,450	2.41	0.00
4/20/2021 18:45	2,500	16,831,125	2.4	0.00
4/20/2021 19:00	2,500	16,831,125	2.4	0.00
4/20/2021 19:15	2,500	16,831,125	2.4	0.00
4/20/2021 19:30	2,500	16,831,125	2.4	0.00
4/20/2021 19:45	2,480	16,696,476	2.39	0.00
4/20/2021 20:00	2,480	16,696,476	2.39	0.00
4/20/2021 20:15	2,460	16,561,827	2.38	0.00
4/20/2021 20:30	2,460	16,561,827	2.38	0.00
4/20/2021 20:45	2,460	16,561,827	2.38	0.00
4/20/2021 21:00	2,450	16,494,503	2.37	0.00
4/20/2021 21:15	2,450	16,494,503	2.37	0.00
4/20/2021 21:30	2,450	16,494,503	2.37	0.00
4/20/2021 21:45	2,430	16,359,854	2.36	0.00
4/20/2021 22:00	2,430	16,359,854	2.36	0.00
4/20/2021 22:15	2,410	16,225,205	2.35	0.00
4/20/2021 22:30	2,410	16,225,205	2.35	0.00
4/20/2021 22:45	2,410	16,225,205	2.35	0.00
4/20/2021 23:00	2,410	16,225,205	2.35	0.00
4/20/2021 23:15	2,400	16,157,880	2.34	0.00
4/20/2021 23:30	2,400	16,157,880	2.34	0.00
4/20/2021 23:45	2,400	16,157,880	2.34	0.00
4/21/2021 0:00	2,400	16,157,880	2.34	0.00
4/21/2021 0:15	2,380	16,023,231	2.33	0.00
4/21/2021 0:30	2,380	16,023,231	2.33	0.00
4/21/2021 0:45	2,380	16,023,231	2.33	0.00
4/21/2021 1:00	2,360	15,888,582	2.32	0.00
4/21/2021 1:15	2,360	15,888,582	2.32	0.00

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/21/2021 1:30	2,360	15,888,582	2.32	0.00
4/21/2021 1:45	2,360	15,888,582	2.32	0.00
4/21/2021 2:00	2,360	15,888,582	2.32	0.00
4/21/2021 2:15	2,350	15,821,258	2.31	0.00
4/21/2021 2:30	2,350	15,821,258	2.31	0.00
4/21/2021 2:45	2,350	15,821,258	2.31	0.00
4/21/2021 3:00	2,350	15,821,258	2.31	0.00
4/21/2021 3:15	2,330	15,686,609	2.3	0.00
4/21/2021 3:30	2,330	15,686,609	2.3	0.00
4/21/2021 3:45	2,330	15,686,609	2.3	0.00
4/21/2021 4:00	2,330	15,686,609	2.3	0.00
4/21/2021 4:15	2,310	15,551,960	2.29	0.00
4/21/2021 4:30	2,330	15,686,609	2.3	0.00
4/21/2021 4:45	2,310	15,551,960	2.29	0.00
4/21/2021 5:00	2,310	15,551,960	2.29	0.00
4/21/2021 5:15	2,310	15,551,960	2.29	0.00
4/21/2021 5:30	2,300	15,484,635	2.28	0.00
4/21/2021 5:45	2,310	15,551,960	2.29	0.00
4/21/2021 6:00	2,300	15,484,635	2.28	0.00
4/21/2021 6:15	2,300	15,484,635	2.28	0.00
4/21/2021 6:30	2,300	15,484,635	2.28	0.00
4/21/2021 6:45	2,300	15,484,635	2.28	0.00
4/21/2021 7:00	2,300	15,484,635	2.28	0.00
4/21/2021 7:15	2,280	15,349,986	2.27	0.00
4/21/2021 7:30	2,280	15,349,986	2.27	0.00
4/21/2021 7:45	2,270	15,282,662	2.26	0.00
4/21/2021 8:00	2,280	15,349,986	2.27	0.00
4/21/2021 8:15	2,270	15,282,662	2.26	0.00
4/21/2021 8:30	2,270	15,282,662	2.26	0.00
4/21/2021 8:45	2,270	15,282,662	2.26	0.00
4/21/2021 9:00	2,270	15,282,662	2.26	0.00
4/21/2021 9:15	2,270	15,282,662	2.26	0.00
4/21/2021 9:30	2,270	15,282,662	2.26	0.00
4/21/2021 9:45	2,250	15,148,013	2.25	0.00
4/21/2021 10:00	2,250	15,148,013	2.25	0.00
4/21/2021 10:15	2,250	15,148,013	2.25	0.00
4/21/2021 10:30	2,250	15,148,013	2.25	0.00
4/21/2021 10:45	2,250	15,148,013	2.25	0.00
4/21/2021 11:00	2,230	15,013,364	2.24	0.00
4/21/2021 11:15	2,250	15,148,013	2.25	0.00
4/21/2021 11:30	2,230	15,013,364	2.24	0.00
4/21/2021 11:45	2,220	14,946,039	2.23	0.00
4/21/2021 12:00	2,250	15,148,013	2.25	0.00
4/21/2021 12:15	2,220	14,946,039	2.23	0.00
4/21/2021 12:30	2,200	14,811,390	2.22	0.00
4/21/2021 12:45	2,230	15,013,364	2.24	0.00
4/21/2021 13:00	2,250	15,148,013	2.25	0.00
4/21/2021 13:15	2,220	14,946,039	2.23	0.00
4/21/2021 13:30	2,220	14,946,039	2.23	0.00
4/21/2021 13:45	2,250	15,148,013	2.25	0.00
4/21/2021 14:00	2,230	15,013,364	2.24	0.00

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/21/2021 14:15	2,220	14,946,039	2.23	0.00
4/21/2021 14:30	2,220	14,946,039	2.23	0.00
4/21/2021 14:45	2,220	14,946,039	2.23	0.00
4/21/2021 15:00	2,190	14,744,066	2.21	0.00
4/21/2021 15:15	2,220	14,946,039	2.23	0.00
4/21/2021 15:30	2,200	14,811,390	2.22	0.00
4/21/2021 15:45	2,220	14,946,039	2.23	0.00
4/21/2021 16:00	2,220	14,946,039	2.23	0.00
4/21/2021 16:15	2,200	14,811,390	2.22	0.00
4/21/2021 16:30	2,220	14,946,039	2.23	0.00
4/21/2021 16:45	2,170	14,609,417	2.2	0.00
4/21/2021 17:00	2,160	14,542,092	2.19	0.00
4/21/2021 17:15	2,160	14,542,092	2.19	0.00
4/21/2021 17:30	2,190	14,744,066	2.21	0.00
4/21/2021 17:45	2,190	14,744,066	2.21	0.00
4/21/2021 18:00	2,190	14,744,066	2.21	0.00
4/21/2021 18:15	2,220	14,946,039	2.23	0.00
4/21/2021 18:30	2,200	14,811,390	2.22	0.00
4/21/2021 18:45	2,190	14,744,066	2.21	0.00
4/21/2021 19:00	2,170	14,609,417	2.2	0.00
4/21/2021 19:15	2,190	14,744,066	2.21	0.00
4/21/2021 19:30	2,190	14,744,066	2.21	0.00
4/21/2021 19:45	2,140	14,407,443	2.18	0.00
4/21/2021 20:00	2,170	14,609,417	2.2	0.00
4/21/2021 20:15	2,170	14,609,417	2.2	0.00
4/21/2021 20:30	2,140	14,407,443	2.18	0.00
4/21/2021 20:45	2,120	14,272,794	2.17	0.00
4/21/2021 21:00	2,140	14,407,443	2.18	0.00
4/21/2021 21:15	2,120	14,272,794	2.17	0.00
4/21/2021 21:30	2,140	14,407,443	2.18	0.00
4/21/2021 21:45	2,120	14,272,794	2.17	0.00
4/21/2021 22:00	2,120	14,272,794	2.17	0.00
4/21/2021 22:15	2,090	14,070,821	2.15	0.00
4/21/2021 22:30	2,110	14,205,470	2.16	0.00
4/21/2021 22:45	2,110	14,205,470	2.16	0.00
4/21/2021 23:00	2,090	14,070,821	2.15	0.00
4/21/2021 23:15	2,060	13,868,847	2.13	0.00
4/21/2021 23:30	2,060	13,868,847	2.13	0.00
4/21/2021 23:45	2,060	13,868,847	2.13	0.00
4/22/2021 0:00	2,060	13,868,847	2.13	0.00
4/22/2021 0:15	2,060	13,868,847	2.13	0.00
4/22/2021 0:30	2,060	13,868,847	2.13	0.00
4/22/2021 0:45	2,050	13,801,523	2.12	0.00
4/22/2021 1:00	2,050	13,801,523	2.12	0.00
4/22/2021 1:15	2,050	13,801,523	2.12	0.00
4/22/2021 1:30	2,030	13,666,874	2.11	0.00
4/22/2021 1:45	2,030	13,666,874	2.11	0.00
4/22/2021 2:00	2,050	13,801,523	2.12	0.00
4/22/2021 2:15	2,030	13,666,874	2.11	0.00
4/22/2021 2:30	2,030	13,666,874	2.11	0.00
4/22/2021 2:45	2,020	13,599,549	2.1	0.00

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/22/2021 3:00	2,030	13,666,874	2.11	0.00
4/22/2021 3:15	2,020	13,599,549	2.1	0.00
4/22/2021 3:30	2,020	13,599,549	2.1	0.00
4/22/2021 3:45	2,030	13,666,874	2.11	0.00
4/22/2021 4:00	2,020	13,599,549	2.1	0.00
4/22/2021 4:15	2,020	13,599,549	2.1	0.00
4/22/2021 4:30	2,000	13,464,900	2.09	0.00
4/22/2021 4:45	2,020	13,599,549	2.1	0.00
4/22/2021 5:00	2,000	13,464,900	2.09	0.00
4/22/2021 5:15	2,000	13,464,900	2.09	0.00
4/22/2021 5:30	2,000	13,464,900	2.09	0.00
4/22/2021 5:45	1,990	13,397,576	2.08	0.00
4/22/2021 6:00	2,000	13,464,900	2.09	0.00
4/22/2021 6:15	1,990	13,397,576	2.08	0.00
4/22/2021 6:30	1,990	13,397,576	2.08	0.00
4/22/2021 6:45	2,000	13,464,900	2.09	0.00
4/22/2021 7:00	1,990	13,397,576	2.08	0.00
4/22/2021 7:15	1,990	13,397,576	2.08	0.00
4/22/2021 7:30	1,990	13,397,576	2.08	0.00
4/22/2021 7:45	1,990	13,397,576	2.08	0.00
4/22/2021 8:00	1,990	13,397,576	2.08	0.00
4/22/2021 8:15	1,990	13,397,576	2.08	0.00
4/22/2021 8:30	1,990	13,397,576	2.08	0.00
4/22/2021 8:45	1,990	13,397,576	2.08	0.00
4/22/2021 9:00	1,990	13,397,576	2.08	0.00
4/22/2021 9:15	1,990	13,397,576	2.08	0.00
4/22/2021 9:30	1,990	13,397,576	2.08	0.00
4/22/2021 9:45	2,000	13,464,900	2.09	0.00
4/22/2021 10:00	1,990	13,397,576	2.08	0.00
4/22/2021 10:15	1,990	13,397,576	2.08	0.00
4/22/2021 10:30	1,990	13,397,576	2.08	0.00
4/22/2021 10:45	2,000	13,464,900	2.09	0.00
4/22/2021 11:00	1,990	13,397,576	2.08	0.00
4/22/2021 11:15	1,990	13,397,576	2.08	0.00
4/22/2021 11:30	2,000	13,464,900	2.09	0.00
4/22/2021 11:45	2,000	13,464,900	2.09	0.00
4/22/2021 12:00	1,990	13,397,576	2.08	0.00
4/22/2021 12:15	1,990	13,397,576	2.08	0.00
4/22/2021 12:30	2,020	13,599,549	2.1	0.00
4/22/2021 12:45	1,990	13,397,576	2.08	0.00
4/22/2021 13:00	1,990	13,397,576	2.08	0.00
4/22/2021 13:15	1,990	13,397,576	2.08	0.00
4/22/2021 13:30	1,990	13,397,576	2.08	0.00
4/22/2021 13:45	2,030	13,666,874	2.11	0.00
4/22/2021 14:00	1,990	13,397,576	2.08	0.00
4/22/2021 14:15	2,000	13,464,900	2.09	0.00
4/22/2021 14:30	1,990	13,397,576	2.08	0.00
4/22/2021 14:45	2,000	13,464,900	2.09	0.00
4/22/2021 15:00	1,990	13,397,576	2.08	0.00
4/22/2021 15:15	1,990	13,397,576	2.08	0.00
4/22/2021 15:30	1,970	13,262,927	2.07	0.00

TABLE B14-2
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
4/22/2021 15:45	1,970	13,262,927	2.07	0.00
4/22/2021 16:00	1,960	13,195,602	2.06	0.00
4/22/2021 16:15	1,970	13,262,927	2.07	0.00
4/22/2021 16:30	1,990	13,397,576	2.08	0.00
4/22/2021 16:45	2,000	13,464,900	2.09	0.00
4/22/2021 17:00	1,960	13,195,602	2.06	0.00
4/22/2021 17:15	1,960	13,195,602	2.06	0.00
4/22/2021 17:30	1,960	13,195,602	2.06	0.00
4/22/2021 17:45	1,960	13,195,602	2.06	0.00
4/22/2021 18:00	1,940	13,060,953	2.05	0.00
4/22/2021 18:15	1,940	13,060,953	2.05	0.00
4/22/2021 18:30	1,930	12,993,629	2.04	0.00
4/22/2021 18:45	1,940	13,060,953	2.05	0.00
4/22/2021 19:00	1,910	12,858,980	2.03	0.00
4/22/2021 19:15	1,930	12,993,629	2.04	0.00
4/22/2021 19:30	1,930	12,993,629	2.04	0.00
4/22/2021 19:45	1,910	12,858,980	2.03	0.00
4/22/2021 20:00	1,910	12,858,980	2.03	0.00
4/22/2021 20:15	1,910	12,858,980	2.03	0.00
4/22/2021 20:30	1,910	12,858,980	2.03	0.00
4/22/2021 20:45	1,910	12,858,980	2.03	0.00
4/22/2021 21:00	1,900	12,791,655	2.02	0.00
4/22/2021 21:15	1,910	12,858,980	2.03	0.00
4/22/2021 21:30	1,910	12,858,980	2.03	0.00
4/22/2021 21:45	1,900	12,791,655	2.02	0.00
4/22/2021 22:00	1,910	12,858,980	2.03	0.00
4/22/2021 22:15	1,900	12,791,655	2.02	0.00
4/22/2021 22:30	1,900	12,791,655	2.02	0.00
4/22/2021 22:45	1,900	12,791,655	2.02	0.00
4/22/2021 23:00	1,900	12,791,655	2.02	0.00
4/22/2021 23:15	1,900	12,791,655	2.02	0.00
4/22/2021 23:30	1,900	12,791,655	2.02	0.00
4/22/2021 23:45	1,900	12,791,655	2.02	0.00

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 B14-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
5/25/2021 1:00	1,170	7,876,967	1.45	--
5/25/2021 1:15	1,180	7,944,291	1.46	--
5/25/2021 1:30	1,180	7,944,291	1.46	--
5/25/2021 1:45	1,170	7,876,967	1.45	--
5/25/2021 2:00	1,180	7,944,291	1.46	--
5/25/2021 2:15	1,180	7,944,291	1.46	--
5/25/2021 2:30	1,180	7,944,291	1.46	--
5/25/2021 2:45	1,200	8,078,940	1.47	--
5/25/2021 3:00	1,200	8,078,940	1.47	--
5/25/2021 3:15	1,200	8,078,940	1.47	--
5/25/2021 3:30	1,180	7,944,291	1.46	--
5/25/2021 3:45	1,200	8,078,940	1.47	--
5/25/2021 4:00	1,200	8,078,940	1.47	--
5/25/2021 4:15	1,200	8,078,940	1.47	--
5/25/2021 4:30	1,200	8,078,940	1.47	--
5/25/2021 4:45	1,200	8,078,940	1.47	--
5/25/2021 5:00	1,200	8,078,940	1.47	--
5/25/2021 5:15	1,200	8,078,940	1.47	--
5/25/2021 5:30	1,200	8,078,940	1.47	--
5/25/2021 5:45	1,200	8,078,940	1.47	--
5/25/2021 6:00	1,180	7,944,291	1.46	--
5/25/2021 6:15	1,200	8,078,940	1.47	--
5/25/2021 6:30	1,200	8,078,940	1.47	--
5/25/2021 6:45	1,200	8,078,940	1.47	--
5/25/2021 7:00	1,180	7,944,291	1.46	--
5/25/2021 7:15	1,180	7,944,291	1.46	--
5/25/2021 7:30	1,180	7,944,291	1.46	--
5/25/2021 7:45	1,180	7,944,291	1.46	--
5/25/2021 8:00	1,180	7,944,291	1.46	--
5/25/2021 8:15	1,180	7,944,291	1.46	--
5/25/2021 8:30	1,180	7,944,291	1.46	--
5/25/2021 8:45	1,180	7,944,291	1.46	--
5/25/2021 9:00	1,180	7,944,291	1.46	--
5/25/2021 9:15	1,180	7,944,291	1.46	--
5/25/2021 9:30	1,180	7,944,291	1.46	--
5/25/2021 9:45	1,200	8,078,940	1.47	--
5/25/2021 10:00	1,180	7,944,291	1.46	--
5/25/2021 10:15	1,200	8,078,940	1.47	--
5/25/2021 10:30	1,200	8,078,940	1.47	--
5/25/2021 10:45	1,200	8,078,940	1.47	--
5/25/2021 11:00	1,200	8,078,940	1.47	--
5/25/2021 11:15	1,200	8,078,940	1.47	--
5/25/2021 11:30	1,180	7,944,291	1.46	--
5/25/2021 11:45	1,200	8,078,940	1.47	--
5/25/2021 12:00	1,200	8,078,940	1.47	--
5/25/2021 12:15	1,200	8,078,940	1.47	--
5/25/2021 12:30	1,200	8,078,940	1.47	--
5/25/2021 12:45	1,200	8,078,940	1.47	--
5/25/2021 13:00	1,210	8,146,265	1.48	--
5/25/2021 13:15	1,210	8,146,264	1.48	--
5/25/2021 13:30	1,210	8,146,264	1.48	--
5/25/2021 13:45	1,210	8,146,265	1.48	--
5/25/2021 14:00	1,210	8,146,264	1.48	--

TABLE B14-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
5/25/2021 14:15	1,210	8,146,264	1.48	--
5/25/2021 14:30	1,220	8,213,589	1.49	--
5/25/2021 14:45	1,220	8,213,589	1.49	--
5/25/2021 15:00	1,220	8,213,589	1.49	--
5/25/2021 15:15	1,220	8,213,589	1.49	--
5/25/2021 15:30	1,220	8,213,589	1.49	--
5/25/2021 15:45	1,220	8,213,589	1.49	--
5/25/2021 16:00	1,220	8,213,589	1.49	--
5/25/2021 16:15	1,220	8,213,589	1.49	--
5/25/2021 16:30	1,220	8,213,589	1.49	--
5/25/2021 16:45	1,220	8,213,589	1.49	--
5/25/2021 17:00	1,220	8,213,589	1.49	--
5/25/2021 17:15	1,220	8,213,589	1.49	--
5/25/2021 17:30	1,220	8,213,589	1.49	--
5/25/2021 17:45	1,220	8,213,589	1.49	--
5/25/2021 18:00	1,230	8,280,913	1.5	--
5/25/2021 18:15	1,230	8,280,914	1.5	--
5/25/2021 18:30	1,230	8,280,913	1.5	--
5/25/2021 18:45	1,230	8,280,913	1.5	--
5/25/2021 19:00	1,230	8,280,914	1.5	--
5/25/2021 19:15	1,230	8,280,913	1.5	--
5/25/2021 19:30	1,230	8,280,913	1.5	--
5/25/2021 19:45	1,230	8,280,914	1.5	--
5/25/2021 20:00	1,230	8,280,913	1.5	--
5/25/2021 20:15	1,240	8,348,238	1.51	--
5/25/2021 20:30	1,240	8,348,238	1.51	--
5/25/2021 20:45	1,240	8,348,238	1.51	--
5/25/2021 21:00	1,240	8,348,238	1.51	--
5/25/2021 21:15	1,240	8,348,238	1.51	--
5/25/2021 21:30	1,240	8,348,238	1.51	--
5/25/2021 21:45	1,240	8,348,238	1.51	--
5/25/2021 22:00	1,230	8,280,914	1.5	--
5/25/2021 22:15	1,230	8,280,913	1.5	--
5/25/2021 22:30	1,240	8,348,238	1.51	--
5/25/2021 22:45	1,230	8,280,914	1.5	--
5/25/2021 23:00	1,230	8,280,913	1.5	--
5/25/2021 23:15	1,240	8,348,238	1.51	--
5/25/2021 23:30	1,240	8,348,238	1.51	--
5/25/2021 23:45	1,230	8,280,913	1.5	--
5/26/2021 0:00	1,240	8,348,238	1.51	--
5/26/2021 0:15	1,230	8,280,914	1.5	--
5/26/2021 0:30	1,230	8,280,913	1.5	--
5/26/2021 0:45	1,240	8,348,238	1.51	--
5/26/2021 1:00	1,230	8,280,914	1.5	--
5/26/2021 1:15	1,230	8,280,913	1.5	--
5/26/2021 1:30	1,230	8,280,913	1.5	--
5/26/2021 1:45	1,240	8,348,238	1.51	--
5/26/2021 2:00	1,230	8,280,913	1.5	--
5/26/2021 2:15	1,240	8,348,238	1.51	--
5/26/2021 2:30	1,230	8,280,914	1.5	--
5/26/2021 2:45	1,230	8,280,913	1.5	--
5/26/2021 3:00	1,230	8,280,913	1.5	--
5/26/2021 3:15	1,230	8,280,914	1.5	--

TABLE B14-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
5/26/2021 3:30	1,230	8,280,913	1.5	--
5/26/2021 3:45	1,230	8,280,913	1.5	--
5/26/2021 4:00	1,230	8,280,914	1.5	--
5/26/2021 4:15	1,230	8,280,913	1.5	--
5/26/2021 4:30	1,230	8,280,913	1.5	--
5/26/2021 4:45	1,230	8,280,914	1.5	--
5/26/2021 5:00	1,230	8,280,913	1.5	--
5/26/2021 5:15	1,230	8,280,913	1.5	--
5/26/2021 5:30	1,230	8,280,914	1.5	--
5/26/2021 5:45	1,230	8,280,913	1.5	--
5/26/2021 6:00	1,230	8,280,913	1.5	--
5/26/2021 6:15	1,230	8,280,914	1.5	--
5/26/2021 6:30	1,230	8,280,913	1.5	--
5/26/2021 6:45	1,220	8,213,589	1.49	--
5/26/2021 7:00	1,230	8,280,914	1.5	--
5/26/2021 7:15	1,230	8,280,913	1.5	--
5/26/2021 7:30	1,230	8,280,913	1.5	--
5/26/2021 7:45	1,230	8,280,914	1.5	--
5/26/2021 8:00	1,230	8,280,913	1.5	--
5/26/2021 8:15	1,230	8,280,913	1.5	--
5/26/2021 8:30	1,230	8,280,914	1.5	--
5/26/2021 8:45	1,230	8,280,913	1.5	--
5/26/2021 9:00	1,230	8,280,913	1.5	--
5/26/2021 9:15	1,230	8,280,914	1.5	--
5/26/2021 9:30	1,230	8,280,913	1.5	--
5/26/2021 9:45	1,240	8,348,238	1.51	--
5/26/2021 10:00	1,230	8,280,914	1.5	--
5/26/2021 10:15	1,230	8,280,913	1.5	--
5/26/2021 10:30	1,230	8,280,913	1.5	--
5/26/2021 10:45	1,230	8,280,914	1.5	--
5/26/2021 11:00	1,240	8,348,238	1.51	--
5/26/2021 11:15	1,240	8,348,238	1.51	--
5/26/2021 11:30	1,240	8,348,238	1.51	--
5/26/2021 11:45	1,240	8,348,238	1.51	--
5/26/2021 12:00	1,240	8,348,238	1.51	--
5/26/2021 12:15	1,240	8,348,238	1.51	--
5/26/2021 12:30	1,240	8,348,238	1.51	--
5/26/2021 12:45	1,240	8,348,238	1.51	--
5/26/2021 13:00	1,240	8,348,238	1.51	--
5/26/2021 13:15	1,240	8,348,238	1.51	--
5/26/2021 13:30	1,240	8,348,238	1.51	--
5/26/2021 13:45	1,250	8,415,563	1.52	--
5/26/2021 14:00	1,250	8,415,562	1.52	--
5/26/2021 14:15	1,240	8,348,238	1.51	--
5/26/2021 14:30	1,250	8,415,563	1.52	--
5/26/2021 14:45	1,240	8,348,238	1.51	--
5/26/2021 15:00	1,250	8,415,562	1.52	--
5/26/2021 15:15	1,240	8,348,238	1.51	--
5/26/2021 15:30	1,250	8,415,562	1.52	--
5/26/2021 15:45	1,240	8,348,238	1.51	--
5/26/2021 16:00	1,250	8,415,563	1.52	--
5/26/2021 16:15	1,240	8,348,238	1.51	--
5/26/2021 16:30	1,240	8,348,238	1.51	--

TABLE B14-3
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
5/26/2021 16:45	1,230	8,280,914	1.5	--
5/26/2021 17:00	1,250	8,415,562	1.52	--
5/26/2021 17:15	1,230	8,280,913	1.5	--
5/26/2021 17:30	1,230	8,280,914	1.5	--
5/26/2021 17:45	1,240	8,348,238	1.51	--
5/26/2021 18:00	1,240	8,348,238	1.51	--
5/26/2021 18:15	1,230	8,280,914	1.5	--
5/26/2021 18:30	1,240	8,348,238	1.51	--
5/26/2021 18:45	1,240	8,348,238	1.51	--
5/26/2021 19:00	1,240	8,348,238	1.51	--
5/26/2021 19:15	1,250	8,415,562	1.52	--
5/26/2021 19:30	1,250	8,415,562	1.52	--
5/26/2021 19:45	1,250	8,415,563	1.52	--
5/26/2021 20:00	1,250	8,415,562	1.52	--
5/26/2021 20:15	1,250	8,415,562	1.52	--
5/26/2021 20:30	1,250	8,415,563	1.52	--
5/26/2021 20:45	1,250	8,415,562	1.52	--
5/26/2021 21:00	1,250	8,415,562	1.52	--
5/26/2021 21:15	1,250	8,415,563	1.52	--
5/26/2021 21:30	1,250	8,415,562	1.52	--
5/26/2021 21:45	1,250	8,415,562	1.52	--
5/26/2021 22:00	1,250	8,415,563	1.52	--
5/26/2021 22:15	1,250	8,415,562	1.52	--
5/26/2021 22:30	1,250	8,415,562	1.52	--
5/26/2021 22:45	1,240	8,348,238	1.51	--
5/26/2021 23:00	1,250	8,415,562	1.52	--
5/26/2021 23:15	1,240	8,348,238	1.51	--
5/26/2021 23:30	1,240	8,348,238	1.51	--
5/26/2021 23:45	1,240	8,348,238	1.51	--
5/27/2021 0:00	1,240	8,348,238	1.51	--
5/27/2021 0:15	1,240	8,348,238	1.51	--
5/27/2021 0:30	1,240	8,348,238	1.51	--
5/27/2021 0:45	1,240	8,348,238	1.51	--

Notes

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

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

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

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

TABLE B14-4
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
6/15/2021 0:00	3,780	25,448,661	3.07	0.00
6/15/2021 0:15	3,740	25,179,363	3.05	0.00
6/15/2021 0:30	3,740	25,179,363	3.05	0.00
6/15/2021 0:45	3,740	25,179,363	3.05	0.00
6/15/2021 1:00	3,760	25,314,012	3.06	0.00
6/15/2021 1:15	3,740	25,179,363	3.05	0.00
6/15/2021 1:30	3,780	25,448,661	3.07	0.00
6/15/2021 1:45	3,780	25,448,661	3.07	0.00
6/15/2021 2:00	3,820	25,717,959	3.09	0.00
6/15/2021 2:15	3,820	25,717,959	3.09	0.00
6/15/2021 2:30	3,870	26,054,582	3.11	0.00
6/15/2021 2:45	3,910	26,323,879	3.13	0.00
6/15/2021 3:00	3,950	26,593,177	3.15	0.00
6/15/2021 3:15	4,000	26,929,800	3.17	0.00
6/15/2021 3:30	4,000	26,929,800	3.17	0.00
6/15/2021 3:45	4,040	27,199,098	3.19	0.00
6/15/2021 4:00	4,060	27,333,747	3.2	0.00
6/15/2021 4:15	4,090	27,535,720	3.21	0.00
6/15/2021 4:30	4,110	27,670,369	3.22	0.00
6/15/2021 4:45	4,130	27,805,019	3.23	0.00
6/15/2021 5:00	4,150	27,939,667	3.24	0.00
6/15/2021 5:15	4,180	28,141,641	3.25	0.00
6/15/2021 5:30	4,180	28,141,641	3.25	0.00
6/15/2021 5:45	4,200	28,276,290	3.26	0.00
6/15/2021 6:00	4,220	28,410,939	3.27	0.00
6/15/2021 6:15	4,250	28,612,913	3.28	0.00
6/15/2021 6:30	4,250	28,612,912	3.28	0.00
6/15/2021 6:45	4,270	28,747,561	3.29	0.00
6/15/2021 7:00	4,290	28,882,211	3.3	0.00
6/15/2021 7:15	4,290	28,882,210	3.3	0.00
6/15/2021 7:30	4,310	29,016,859	3.31	0.00
6/15/2021 7:45	4,340	29,218,833	3.32	0.00
6/15/2021 8:00	4,340	29,218,833	3.32	0.00
6/15/2021 8:15	4,380	29,488,131	3.34	0.00
6/15/2021 8:30	4,380	29,488,131	3.34	0.00
6/15/2021 8:45	4,410	29,690,104	3.35	0.00
6/15/2021 9:00	4,430	29,824,753	3.36	0.00
6/15/2021 9:15	4,450	29,959,403	3.37	0.00
6/15/2021 9:30	4,480	30,161,376	3.38	0.00
6/15/2021 9:45	4,500	30,296,025	3.39	0.00
6/15/2021 10:00	4,530	30,497,999	3.4	0.00
6/15/2021 10:15	4,550	30,632,647	3.41	0.00
6/15/2021 10:30	4,570	30,767,296	3.42	0.00
6/15/2021 10:45	4,570	30,767,297	3.42	0.00
6/15/2021 11:00	4,600	30,969,270	3.43	0.00
6/15/2021 11:15	4,620	31,103,919	3.44	0.00
6/15/2021 11:30	4,620	31,103,919	3.44	0.00
6/15/2021 11:45	4,640	31,238,568	3.45	0.00
6/15/2021 12:00	4,670	31,440,541	3.46	0.00
6/15/2021 12:15	4,670	31,440,542	3.46	0.00
6/15/2021 12:30	4,690	31,575,190	3.47	0.00

TABLE B14-4
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
6/15/2021 12:45	4,720	31,777,164	3.48	0.00
6/15/2021 13:00	4,720	31,777,164	3.48	0.00
6/15/2021 13:15	4,720	31,777,164	3.48	0.00
6/15/2021 13:30	4,740	31,911,813	3.49	0.00
6/15/2021 13:45	4,740	31,911,813	3.49	0.00
6/15/2021 14:00	4,740	31,911,813	3.49	0.00
6/15/2021 14:15	4,740	31,911,813	3.49	0.00
6/15/2021 14:30	4,770	32,113,787	3.5	0.00
6/15/2021 14:45	4,790	32,248,435	3.51	0.00
6/15/2021 15:00	4,790	32,248,435	3.51	0.00
6/15/2021 15:15	4,790	32,248,436	3.51	0.00
6/15/2021 15:30	4,840	32,585,058	3.53	0.00
6/15/2021 15:45	4,790	32,248,435	3.51	0.00
6/15/2021 16:00	4,790	32,248,436	3.51	0.00
6/15/2021 16:15	4,810	32,383,084	3.52	0.00
6/15/2021 16:30	4,790	32,248,435	3.51	0.00
6/15/2021 16:45	4,790	32,248,436	3.51	0.00
6/15/2021 17:00	4,790	32,248,435	3.51	0.00
6/15/2021 17:15	4,790	32,248,435	3.51	0.00
6/15/2021 17:30	4,790	32,248,436	3.51	0.00
6/15/2021 17:45	4,790	32,248,435	3.51	0.00
6/15/2021 18:00	4,790	32,248,435	3.51	0.00
6/15/2021 18:15	4,790	32,248,436	3.51	0.00
6/15/2021 18:30	4,790	32,248,435	3.51	0.00
6/15/2021 18:45	4,790	32,248,435	3.51	0.00
6/15/2021 19:00	4,790	32,248,436	3.51	0.00
6/15/2021 19:15	4,790	32,248,435	3.51	0.00
6/15/2021 19:30	4,790	32,248,435	3.51	0.00
6/15/2021 19:45	4,790	32,248,436	3.51	0.00
6/15/2021 20:00	4,770	32,113,786	3.5	0.00
6/15/2021 20:15	4,790	32,248,435	3.51	0.00
6/15/2021 20:30	4,790	32,248,436	3.51	0.00
6/15/2021 20:45	4,770	32,113,786	3.5	0.00
6/15/2021 21:00	4,770	32,113,786	3.5	0.00
6/15/2021 21:15	4,770	32,113,787	3.5	0.00
6/15/2021 21:30	4,770	32,113,786	3.5	0.00
6/15/2021 21:45	4,770	32,113,786	3.5	0.00
6/15/2021 22:00	4,770	32,113,787	3.5	0.00
6/15/2021 22:15	4,740	31,911,813	3.49	0.00
6/15/2021 22:30	4,740	31,911,813	3.49	0.00
6/15/2021 22:45	4,740	31,911,813	3.49	0.00
6/15/2021 23:00	4,740	31,911,813	3.49	0.00
6/15/2021 23:15	4,740	31,911,813	3.49	0.00
6/15/2021 23:30	4,740	31,911,813	3.49	0.00
6/15/2021 23:45	4,720	31,777,164	3.48	0.00
6/16/2021 0:00	4,720	31,777,164	3.48	0.00
6/16/2021 0:15	4,720	31,777,164	3.48	0.00
6/16/2021 0:30	4,690	31,575,190	3.47	0.00
6/16/2021 0:45	4,720	31,777,164	3.48	0.00
6/16/2021 1:00	4,720	31,777,164	3.48	0.00
6/16/2021 1:15	4,720	31,777,164	3.48	0.00

TABLE B14-4
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
6/16/2021 1:30	4,690	31,575,190	3.47	0.00
6/16/2021 1:45	4,690	31,575,191	3.47	0.00
6/16/2021 2:00	4,690	31,575,190	3.47	0.00
6/16/2021 2:15	4,690	31,575,190	3.47	0.00
6/16/2021 2:30	4,670	31,440,542	3.46	0.00
6/16/2021 2:45	4,670	31,440,541	3.46	0.00
6/16/2021 3:00	4,670	31,440,541	3.46	0.00
6/16/2021 3:15	4,670	31,440,542	3.46	0.00
6/16/2021 3:30	4,640	31,238,568	3.45	0.00
6/16/2021 3:45	4,640	31,238,568	3.45	0.00
6/16/2021 4:00	4,640	31,238,568	3.45	0.00
6/16/2021 4:15	4,620	31,103,919	3.44	0.00
6/16/2021 4:30	4,620	31,103,919	3.44	0.00
6/16/2021 4:45	4,620	31,103,919	3.44	0.00
6/16/2021 5:00	4,600	30,969,270	3.43	0.00
6/16/2021 5:15	4,570	30,767,296	3.42	0.00
6/16/2021 5:30	4,570	30,767,297	3.42	0.00
6/16/2021 5:45	4,550	30,632,647	3.41	0.00
6/16/2021 6:00	4,550	30,632,647	3.41	0.00
6/16/2021 6:15	4,550	30,632,648	3.41	0.00
6/16/2021 6:30	4,530	30,497,998	3.4	0.00
6/16/2021 6:45	4,530	30,497,998	3.4	0.00
6/16/2021 7:00	4,500	30,296,025	3.39	0.00
6/16/2021 7:15	4,500	30,296,025	3.39	0.00
6/16/2021 7:30	4,480	30,161,376	3.38	0.00
6/16/2021 7:45	4,480	30,161,376	3.38	0.00
6/16/2021 8:00	4,450	29,959,402	3.37	0.00
6/16/2021 8:15	4,450	29,959,402	3.37	0.00
6/16/2021 8:30	4,430	29,824,754	3.36	0.00
6/16/2021 8:45	4,430	29,824,753	3.36	0.00
6/16/2021 9:00	4,410	29,690,104	3.35	0.00
6/16/2021 9:15	4,410	29,690,105	3.35	0.00
6/16/2021 9:30	4,410	29,690,104	3.35	0.00
6/16/2021 9:45	4,380	29,488,131	3.34	0.00
6/16/2021 10:00	4,380	29,488,131	3.34	0.00
6/16/2021 10:15	4,360	29,353,482	3.33	0.00
6/16/2021 10:30	4,360	29,353,482	3.33	0.00
6/16/2021 10:45	4,360	29,353,482	3.33	0.00
6/16/2021 11:00	4,340	29,218,833	3.32	0.00
6/16/2021 11:15	4,340	29,218,833	3.32	0.00
6/16/2021 11:30	4,310	29,016,860	3.31	0.00
6/16/2021 11:45	4,310	29,016,859	3.31	0.00
6/16/2021 12:00	4,310	29,016,859	3.31	0.00
6/16/2021 12:15	4,290	28,882,211	3.3	0.00
6/16/2021 12:30	4,290	28,882,210	3.3	0.00
6/16/2021 12:45	4,290	28,882,210	3.3	0.00
6/16/2021 13:00	4,290	28,882,211	3.3	0.00
6/16/2021 13:15	4,270	28,747,561	3.29	0.00
6/16/2021 13:30	4,270	28,747,561	3.29	0.00
6/16/2021 13:45	4,270	28,747,562	3.29	0.00
6/16/2021 14:00	4,250	28,612,912	3.28	0.00

TABLE B14-4
FLOW DATA FOR W.O'HUSKE LOCK NR TARHEEL, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date and Time	Flow Rate (ft^3/sec)	Flow Volume (gal)	Gage Height (ft)	Precipitation (in)[1]
6/16/2021 14:15	4,250	28,612,912	3.28	0.00
6/16/2021 14:30	4,250	28,612,913	3.28	0.00
6/16/2021 14:45	4,220	28,410,939	3.27	0.00
6/16/2021 15:00	4,220	28,410,939	3.27	0.00
6/16/2021 15:15	4,220	28,410,939	3.27	0.00
6/16/2021 15:30	4,220	28,410,939	3.27	0.00
6/16/2021 15:45	4,200	28,276,290	3.26	0.00
6/16/2021 16:00	4,200	28,276,290	3.26	0.00
6/16/2021 16:15	4,180	28,141,641	3.25	0.00
6/16/2021 16:30	4,180	28,141,641	3.25	0.00
6/16/2021 16:45	4,180	28,141,641	3.25	0.00
6/16/2021 17:00	4,180	28,141,641	3.25	0.00
6/16/2021 17:15	4,150	27,939,667	3.24	0.00
6/16/2021 17:30	4,150	27,939,668	3.24	0.00
6/16/2021 17:45	4,150	27,939,667	3.24	0.00
6/16/2021 18:00	4,130	27,805,018	3.23	0.00
6/16/2021 18:15	4,130	27,805,019	3.23	0.00
6/16/2021 18:30	4,130	27,805,018	3.23	0.00
6/16/2021 18:45	4,130	27,805,018	3.23	0.00
6/16/2021 19:00	4,110	27,670,370	3.22	0.00
6/16/2021 19:15	4,130	27,805,018	3.23	0.00
6/16/2021 19:30	4,130	27,805,018	3.23	0.00
6/16/2021 19:45	4,130	27,805,019	3.23	0.00
6/16/2021 20:00	4,110	27,670,369	3.22	0.00
6/16/2021 20:15	4,110	27,670,369	3.22	0.00
6/16/2021 20:30	4,110	27,670,370	3.22	0.00
6/16/2021 20:45	4,110	27,670,369	3.22	0.00
6/16/2021 21:00	4,110	27,670,369	3.22	0.00
6/16/2021 21:15	4,110	27,670,370	3.22	0.00
6/16/2021 21:30	4,110	27,670,369	3.22	0.00
6/16/2021 21:45	4,090	27,535,720	3.21	0.00
6/16/2021 22:00	4,090	27,535,721	3.21	0.00
6/16/2021 22:15	4,090	27,535,720	3.21	0.00
6/16/2021 22:30	4,090	27,535,720	3.21	0.00
6/16/2021 22:45	4,090	27,535,721	3.21	0.00
6/16/2021 23:00	4,060	27,333,747	3.2	0.00
6/16/2021 23:15	4,090	27,535,720	3.21	0.00
6/16/2021 23:30	4,060	27,333,747	3.2	0.00
6/16/2021 23:45	4,060	27,333,747	3.2	0.00

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 B15-1
FLOW DATA FOR LOCK #1 NR KELLY, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
4/23/2021 0:00	2,300	15,484,635
4/23/2021 0:15	2,300	15,484,635
4/23/2021 0:30	2,300	15,484,635
4/23/2021 0:45	2,300	15,484,635
4/23/2021 1:00	2,300	15,484,635
4/23/2021 1:15	2,280	15,349,986
4/23/2021 1:30	2,280	15,349,986
4/23/2021 1:45	2,280	15,349,986
4/23/2021 2:00	2,280	15,349,986
4/23/2021 2:15	2,280	15,349,986
4/23/2021 2:30	2,280	15,349,986
4/23/2021 2:45	2,280	15,349,986
4/23/2021 3:00	2,280	15,349,986
4/23/2021 3:15	2,280	15,349,986
4/23/2021 3:30	2,280	15,349,986
4/23/2021 3:45	2,270	15,282,661
4/23/2021 4:00	2,280	15,349,986
4/23/2021 4:15	2,280	15,349,986
4/23/2021 4:30	2,300	15,484,635
4/23/2021 4:45	2,270	15,282,662
4/23/2021 5:00	2,270	15,282,661
4/23/2021 5:15	2,270	15,282,661
4/23/2021 5:30	2,270	15,282,662
4/23/2021 5:45	2,270	15,282,661
4/23/2021 6:00	2,270	15,282,661
4/23/2021 6:15	2,270	15,282,662
4/23/2021 6:30	2,250	15,148,012
4/23/2021 6:45	2,250	15,148,012
4/23/2021 7:00	2,250	15,148,013
4/23/2021 7:15	2,250	15,148,012
4/23/2021 7:30	2,250	15,148,012
4/23/2021 7:45	2,250	15,148,013
4/23/2021 8:00	2,250	15,148,012
4/23/2021 8:15	2,250	15,148,012
4/23/2021 8:30	2,230	15,013,364
4/23/2021 8:45	2,230	15,013,363
4/23/2021 9:00	2,230	15,013,363
4/23/2021 9:15	2,230	15,013,364
4/23/2021 9:30	2,230	15,013,363
4/23/2021 9:45	2,230	15,013,363
4/23/2021 10:00	2,250	15,148,013
4/23/2021 10:15	2,230	15,013,363
4/23/2021 10:30	2,230	15,013,363
4/23/2021 10:45	2,230	15,013,364
4/23/2021 11:00	2,230	15,013,363
4/23/2021 11:15	2,230	15,013,363
4/23/2021 11:30	2,230	15,013,364
4/23/2021 11:45	2,230	15,013,363
4/23/2021 12:00	2,210	14,878,714
4/23/2021 12:15	2,210	14,878,715
4/23/2021 12:30	2,210	14,878,714
4/23/2021 12:45	2,210	14,878,714
4/23/2021 13:00	2,230	15,013,364

TABLE B15-1
FLOW DATA FOR LOCK #1 NR KELLY, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
4/23/2021 13:15	2,210	14,878,714
4/23/2021 13:30	2,230	15,013,363
4/23/2021 13:45	2,210	14,878,715
4/23/2021 14:00	2,210	14,878,714
4/23/2021 14:15	2,230	15,013,363
4/23/2021 14:30	2,210	14,878,715
4/23/2021 14:45	2,200	14,811,390
4/23/2021 15:00	2,210	14,878,714
4/23/2021 15:15	2,210	14,878,715
4/23/2021 15:30	2,210	14,878,714
4/23/2021 15:45	2,210	14,878,714
4/23/2021 16:00	2,210	14,878,715
4/23/2021 16:15	2,210	14,878,714
4/23/2021 16:30	2,200	14,811,390
4/23/2021 16:45	2,200	14,811,390
4/23/2021 17:00	2,200	14,811,390
4/23/2021 17:15	2,200	14,811,390
4/23/2021 17:30	2,180	14,676,741
4/23/2021 17:45	2,200	14,811,390
4/23/2021 18:00	2,180	14,676,741
4/23/2021 18:15	2,180	14,676,741
4/23/2021 18:30	2,180	14,676,741
4/23/2021 18:45	2,160	14,542,092
4/23/2021 19:00	2,160	14,542,092
4/23/2021 19:15	2,180	14,676,741
4/23/2021 19:30	2,150	14,474,767
4/23/2021 19:45	2,160	14,542,092
4/23/2021 20:00	2,160	14,542,092
4/23/2021 20:15	2,160	14,542,092
4/23/2021 20:30	2,160	14,542,092
4/23/2021 20:45	2,160	14,542,092
4/23/2021 21:00	2,160	14,542,092
4/23/2021 21:15	2,160	14,542,092
4/23/2021 21:30	2,160	14,542,092
4/23/2021 21:45	2,160	14,542,092
4/23/2021 22:00	2,160	14,542,092
4/23/2021 22:15	2,160	14,542,092
4/23/2021 22:30	2,160	14,542,092
4/23/2021 22:45	2,160	14,542,092
4/23/2021 23:00	2,160	14,542,092
4/23/2021 23:15	2,160	14,542,092
4/23/2021 23:30	2,160	14,542,092

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 B15-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
5/28/2021 0:00	1,570	10,569,946
5/28/2021 0:15	1,560	10,502,622
5/28/2021 0:30	1,570	10,569,946
5/28/2021 0:45	1,560	10,502,622
5/28/2021 1:00	1,560	10,502,622
5/28/2021 1:15	1,560	10,502,622
5/28/2021 1:30	1,560	10,502,622
5/28/2021 1:45	1,540	10,367,973
5/28/2021 2:00	1,540	10,367,973
5/28/2021 2:15	1,540	10,367,973
5/28/2021 2:30	1,530	10,300,649
5/28/2021 2:45	1,530	10,300,648
5/28/2021 3:00	1,530	10,300,648
5/28/2021 3:15	1,530	10,300,649
5/28/2021 3:30	1,530	10,300,648
5/28/2021 3:45	1,530	10,300,648
5/28/2021 4:00	1,530	10,300,649
5/28/2021 4:15	1,510	10,165,999
5/28/2021 4:30	1,510	10,165,999
5/28/2021 4:45	1,510	10,166,000
5/28/2021 5:00	1,530	10,300,648
5/28/2021 5:15	1,510	10,165,999
5/28/2021 5:30	1,510	10,166,000
5/28/2021 5:45	1,510	10,165,999
5/28/2021 6:00	1,510	10,165,999
5/28/2021 6:15	1,510	10,166,000
5/28/2021 6:30	1,510	10,165,999
5/28/2021 6:45	1,500	10,098,675
5/28/2021 7:00	1,500	10,098,675
5/28/2021 7:15	1,500	10,098,675
5/28/2021 7:30	1,500	10,098,675
5/28/2021 7:45	1,500	10,098,675
5/28/2021 8:00	1,500	10,098,675
5/28/2021 8:15	1,500	10,098,675
5/28/2021 8:30	1,510	10,166,000
5/28/2021 8:45	1,500	10,098,675
5/28/2021 9:00	1,500	10,098,675
5/28/2021 9:15	1,510	10,166,000
5/28/2021 9:30	1,510	10,165,999
5/28/2021 9:45	1,510	10,165,999
5/28/2021 10:00	1,510	10,166,000
5/28/2021 10:15	1,510	10,165,999
5/28/2021 10:30	1,510	10,165,999
5/28/2021 10:45	1,530	10,300,649
5/28/2021 11:00	1,510	10,165,999
5/28/2021 11:15	1,510	10,165,999
5/28/2021 11:30	1,510	10,166,000
5/28/2021 11:45	1,510	10165999.5
5/28/2021 12:00	1,510	10,165,999
5/28/2021 12:15	1,530	10,300,649
5/28/2021 12:30	1,510	10,165,999
5/28/2021 12:45	1,500	10,098,675
5/28/2021 13:00	1,510	10,166,000

TABLE B15-2
FLOW DATA FOR LOCK #1 NR KELLY, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
5/28/2021 13:15	1,530	10,300,648
5/28/2021 13:30	1,510	10,165,999
5/28/2021 13:45	1,530	10,300,649
5/28/2021 14:00	1,500	10,098,675
5/28/2021 14:15	1,490	10,031,350
5/28/2021 14:30	1,510	10,166,000
5/28/2021 14:45	1,490	10,031,350
5/28/2021 15:00	1,500	10,098,675
5/28/2021 15:15	1,500	10,098,675
5/28/2021 15:30	1,490	10,031,350
5/28/2021 15:45	1,470	9,896,701
5/28/2021 16:00	1,500	10,098,675
5/28/2021 16:15	1,490	10,031,350
5/28/2021 16:30	1,490	10,031,350
5/28/2021 16:45	1,460	9,829,377
5/28/2021 17:00	1,470	9,896,701
5/28/2021 17:15	1,460	9,829,377
5/28/2021 17:30	1,470	9,896,702
5/28/2021 17:45	1,450	9,762,052
5/28/2021 18:00	1,460	9,829,377
5/28/2021 18:15	1,420	9,560,079
5/28/2021 18:30	1,420	9,560,079
5/28/2021 18:45	1,460	9,829,377
5/28/2021 19:00	1,430	9,627,404
5/28/2021 19:15	1,430	9,627,403
5/28/2021 19:30	1,430	9,627,403
5/28/2021 19:45	1,430	9,627,404
5/28/2021 20:00	1,450	9,762,052
5/28/2021 20:15	1,460	9,829,377
5/28/2021 20:30	1,460	9,829,377
5/28/2021 20:45	1,450	9,762,052
5/28/2021 21:00	1,460	9,829,377
5/28/2021 21:15	1,450	9,762,053
5/28/2021 21:30	1,460	9,829,377
5/28/2021 21:45	1,450	9,762,052
5/28/2021 22:00	1,450	9,762,053
5/28/2021 22:15	1,450	9,762,052
5/28/2021 22:30	1,430	9,627,403
5/28/2021 22:45	1,420	9,560,079
5/28/2021 23:00	1430	9,627,403
5/28/2021 23:15	1420	9,560,079
5/28/2021 23:30	1420	9,560,079

Notes

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

ft^3/sec - cubic feet per second

ft - feet

gal - gallons

USGS - United States Geological Survey

TABLE B15-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
6/17/2021 0:00	4,220	28,410,939
6/17/2021 0:15	4,220	28,410,939
6/17/2021 0:30	4,220	28,410,939
6/17/2021 0:45	4,190	28,208,965
6/17/2021 1:00	4,190	28,208,966
6/17/2021 1:15	4,190	28,208,965
6/17/2021 1:30	4,170	28,074,316
6/17/2021 1:45	4,170	28,074,317
6/17/2021 2:00	4,170	28,074,316
6/17/2021 2:15	4,170	28,074,316
6/17/2021 2:30	4,150	27,939,668
6/17/2021 2:45	4,150	27,939,667
6/17/2021 3:00	4,150	27,939,667
6/17/2021 3:15	4,150	27,939,668
6/17/2021 3:30	4,120	27,737,694
6/17/2021 3:45	4,120	27,737,694
6/17/2021 4:00	4,120	27,737,694
6/17/2021 4:15	4,120	27,737,694
6/17/2021 4:30	4,120	27,737,694
6/17/2021 4:45	4,100	27,603,045
6/17/2021 5:00	4,100	27,603,045
6/17/2021 5:15	4,100	27,603,045
6/17/2021 5:30	4,100	27,603,045
6/17/2021 5:45	4,070	27,401,071
6/17/2021 6:00	4,100	27,603,045
6/17/2021 6:15	4,070	27,401,072
6/17/2021 6:30	4,070	27,401,071
6/17/2021 6:45	4,050	27,266,422
6/17/2021 7:00	4,070	27,401,072
6/17/2021 7:15	4,050	27,266,422
6/17/2021 7:30	4,030	27,131,773
6/17/2021 7:45	4,030	27,131,774
6/17/2021 8:00	4,030	27,131,773
6/17/2021 8:15	4,030	27,131,773
6/17/2021 8:30	4,030	27,131,774
6/17/2021 8:45	4,000	26,929,800
6/17/2021 9:00	4,000	26,929,800
6/17/2021 9:15	4,030	27,131,774
6/17/2021 9:30	4,190	28,208,965
6/17/2021 9:45	4,190	28,208,965
6/17/2021 10:00	4,220	28,410,939
6/17/2021 10:15	4,240	28,545,588
6/17/2021 10:30	4,240	28,545,588
6/17/2021 10:45	4,270	28,747,562
6/17/2021 11:00	4,270	28,747,561
6/17/2021 11:15	4,290	28,882,210
6/17/2021 11:30	4,290	28,882,211
6/17/2021 11:45	4,290	28,882,210
6/17/2021 12:00	4,310	29,016,859
6/17/2021 12:15	4,290	28,882,211
6/17/2021 12:30	4,310	29,016,859
6/17/2021 12:45	4,310	29,016,859
6/17/2021 13:00	4,310	29,016,860

TABLE B15-3
FLOW DATA FOR LOCK #1 NR KELLY, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	Flow Rate (ft^3/sec)	Flow Volume (gal)
6/17/2021 13:15	4,310	29,016,859
6/17/2021 13:30	4,290	28,882,210
6/17/2021 13:45	4,290	28,882,211
6/17/2021 14:00	4,270	28,747,561
6/17/2021 14:15	4,310	29,016,859
6/17/2021 14:30	4,310	29,016,860
6/17/2021 14:45	4,290	28,882,210
6/17/2021 15:00	4,310	29,016,859
6/17/2021 15:15	4,310	29,016,860
6/17/2021 15:30	4,290	28,882,210
6/17/2021 15:45	4,290	28,882,210
6/17/2021 16:00	4,310	29,016,860
6/17/2021 16:15	4,310	29,016,859
6/17/2021 16:30	4,290	28,882,210
6/17/2021 16:45	4,290	28,882,211
6/17/2021 17:00	4,290	28,882,210
6/17/2021 17:15	4,290	28,882,210
6/17/2021 17:30	4,290	28,882,211
6/17/2021 17:45	4,290	28,882,210
6/17/2021 18:00	4,290	28,882,210
6/17/2021 18:15	4,290	28,882,211
6/17/2021 18:30	4,290	28,882,210
6/17/2021 18:45	4,270	28,747,561
6/17/2021 19:00	4,290	28,882,211
6/17/2021 19:15	4,270	28,747,561
6/17/2021 19:30	4,290	28,882,210
6/17/2021 19:45	4,290	28,882,211
6/17/2021 20:00	4,290	28,882,210
6/17/2021 20:15	4,290	28,882,210
6/17/2021 20:30	4,270	28,747,562
6/17/2021 20:45	4,270	28,747,561
6/17/2021 21:00	4,270	28,747,561
6/17/2021 21:15	4,270	28,747,562
6/17/2021 21:30	4,270	28,747,561
6/17/2021 21:45	4,270	28,747,561
6/17/2021 22:00	4,270	28,747,562
6/17/2021 22:15	4,270	28,747,561
6/17/2021 22:30	4,270	28,747,561
6/17/2021 22:45	4,270	28,747,562
6/17/2021 23:00	4,270	28,747,561
6/17/2021 23:15	4,270	28,747,561
6/17/2021 23:30	4,240	28,545,588

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 B16
CHEMOURS FACILITY INTAKE FLOW RATE - Q2 2021
Chemours Fayetteville Works, North Carolina

Q2 2021 Monthly Event	Date	Intake Flow River Water Total Daily Flow Average (gpm)	Total Daily Volume (gal)	Hours of Sample Collection	Approximate Total Volume during 24 hour Sample Collection (gal)
April 2021[1]	04/20/2021	10673.926	15,370,453	15.90	10,182,925
	04/21/2021	8370.266	12,053,183	8.10	4,067,949
	4/20/2021 8:06 am to 4/21/2021 8:06 am			24	14,250,874
May 2021[2]	5/25/2021	9747.719	13,854,423	15.9	9,178,555
	5/26/2021	10475.264	13,853,467	7.1	4,098,317
	5/25/2021 8:06 am to 5/26/2021 7:06 am			23	13,276,873
June 2021[3]	6/15/2021	10667.343	13,854,423	16	9,236,282
	6/16/2021	10720.622	13,853,467	7	4,040,595
	6/15/2021 8:00 am to 6/16/2021 7:00 am			23	13,276,877

Notes:

Daily flow rates collected from facility Discharge Monitoring Reports.

1 - Total flow volume for 24-hour temporal composite sample collected at 7:06 am on 4/21/2021 approximated based on flow rates for 4/20/2021 and 4/21/2021

2 - Total flow volume for 24-hour temporal composite sample collected at 7:06 am on 5/26/2021 approximated based on flow rates for 5/25/2021 and 5/26/2021

3 - Total flow volume for 24-hour temporal composite sample collected at 7:00 am on 6/16/2021 approximated based on flow rates for 6/15/2021 and 6/16/2021

Acronyms:

gal - gallons

gpm - gallons per minute

Geosyntec consultants

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

Supplemental Mass Loading Tables

TABLE B17
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load[2] (kg)																					
Interval ID	Start Time[1]	End Time[1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Foremerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_1_Q1	3/28/20 1:00	3/31/20 12:30	90,900,221	0.29	2.50	0.83	0.10	0	0	1.23	0	0	0	0	0.75	0	0	0	0	0.10	0	0	0	1.32	4.9	4.9	5.8
2020_2_Q1	3/31/20 12:30	4/2/20 13:30	27,756,145	0.28	1.17	0.39	0.09	0	0	0.47	0	0	0	0.22	0.39	0	0	0	0	0	0	0	0	0.33	2.4	2.4	3.0
2020_3_Q1	4/2/20 13:30	4/3/20 15:00	9,680,794	0.17	0.48	0.21	0.05	0	0	0.28	0	0	0	0.13	0.17	0	0	0	0	0.02	0	0	0	0.10	1.2	1.2	1.5
2020_4_Q1	4/3/20 15:00	4/6/20 0:00	15,145,577	0.28	1.14	0.42	0.10	0.02	0.04	0.42	0	0	0	0.18	0.39	0	0.05	0	0	0.03	0	0	0	0.06	2.4	2.5	3.1
2020_5_Q1	4/6/20 0:00	4/9/20 6:30	16,574,785	0.33	1.56	0.55	0.13	0.05	0.08	0.51	0	0	0	0.22	0.51	0	0.08	0	0	0.06	0	0	0	NA	3.2	3.3	4.1
2020_6_Q1	4/9/20 6:30	4/15/20 14:30	38,570,773	0.49	2.35	0.85	0.21	0.05	0.23	0.93	0	0	0	0.25	0.78	0	0.10	0	0	0.07	0	0	0	NA	5.1	5.2	6.3
2020_7_Q1	4/15/20 14:30	4/19/20 2:00	55,746,498	0.31	1.56	0.61	0.14	0	0.38	0.95	0	0	0	0	0.54	0	0	0	0	0	0	0	0	NA	4.0	4.0	4.5
2020_8_Q1	4/19/20 2:00	4/22/20 13:30	27,903,959	0.33	1.42	0.53	0.14	0	0.15	0.70	0	0	0	0	0.47	0	0	0	0	0	0	0	0	NA	3.3	3.3	3.8
2020_9_Q1	4/22/20 13:30	4/26/20 0:49	28,652,713	0.32	1.52	0.54	0.14	0	0	0.60	0	0	0	0.21	0.66	0	0.08	0	0	0	0	0	0	NA	3.1	3.2	4.1
2020_10_Q1	4/26/20 0:49	4/29/20 11:49	22,888,734	0.30	1.35	0.55	0.13	0	0	0.53	0	0	0	0.30	0.62	0	0.09	0	0	0.05	0	0	0	NA	2.9	2.9	3.9
2020_11_Q1	4/29/20 11:49	4/30/20 9:49	7,256,900	0.09	0.30	0.14	0.03	0	0	0.17	0	0	0	0.12	0.16	0	0.03	0	0	0.03	0	0	0	NA	0.7	0.8	1.1
2020_12_Q1	4/30/20 9:49	5/3/20 1:00	55,522,229	0.67	1.50	0.89	0.19	0	0	1.33	0	0	0	1.11	1.00	0	0.18	0	0	0.33	0	0	0	NA	4.6	4.8	7.2
2020_13_Q1	5/3/20 1:00	5/6/20 12:00	72,975,232	0.45	1.31	0.72	0.15	0	0	1.09	0	0	0	0.80	0.88	0	0	0	0	0	0	0	0	NA	3.7	3.7	5.4
2020_14_Q1	5/6/20 12:00	5/9/20 23:49	44,993,799	0.42	1.53	0.63	0.17	0	0	0.81	0	0	0	0.58	0.67	0	0.10	0	0	0.12	0	0	0	NA	3.6	3.7	5.0
Q1 2020 Totals	***3/28/20 1:00***	***5/9/20 23:49***	***514,568,356***	***4.7***	***20***	***7.8***	***1.8***	***0.12***	***0.88***	***10***	***0.00***	***0.00***	***0.00***	***4.1***	***8.0***	***0.00***	***0.72***	***0.00***	***0.00***	***0.81***	***0.00***	***0.00***	***0.00***	***1.8***	***45***	***46***	***59***
2020_1_Q2	5/9/20 23:49	5/13/20 9:49	15,999,330	0.21	1.10	0.43	0.11	0.03	0	0.35	0	0	0	0.19	0.54	0	0.05	0	0	0.08	0	0	0	NA	2.2	2.3	3.1
2020_2_Q2	5/13/20 9:49	5/13/20 20:50	1,909,858	0.04	0.18	0.07	0.02	0.005	0	0.05	0	0	0	0.03	0.09	0	0.01	0	0	0.01	0	0	0	NA	0.4	0.4	0.5
2020_3_Q2	5/13/20 20:50	5/14/20 20:50	3,563,845	0.02	0.08	0.03	0.01	0.002	0	0.02	0	0	0	0.01	0.04	0	0.004	0	0	0.01	0	0	0	NA	0.2	0.2	0.2
2020_4_Q2	5/14/20 20:50	5/16/20 20:50	6,321,849	0.12	0.59	0.23	0.05	0.02	0	0.17	0	0	0	0.09	0.30	0	0.03	0	0	0.04	0	0	0	NA	1.2	1.2	1.6
2020_5_Q2	5/16/20 20:50	5/20/20 8:49	11,021,058	0.28	1.32	0.50	0.11	0.03	0	0.35	0.22	0.02	0	0.17	0.60	0	0.04	0	0	0.09	0	0	0	NA	2.8	2.9	3.7
2020_6_Q2	5/20/20 8:49	5/25/20 10:15	216,311,428	2.92	12.98	5.10	1.08	0.32	0	3.46	2.16	0.24	0	1.62	6.21	0	0.41	0	0	1.09	0	0	0	NA	28.3	29	38
2020_7_Q2	5/25/20 10:15	5/29/20 9:10	171,453,975	0.56	0	0.75	0	0	0	0	0	0	0	0	0.29	0	0	0	0	0.17	0	0	0	NA	1.3	1.3	1.8
2020_8_Q2	5/29/20 9:10	6/1/20 14:25	171,922,902	0.56	0.49	0.83	0	0	0	0	0	0	0	0.20	0.24	0	0	0	0	0	0	0	0	NA	1.9	1.9	2.3
2020_9_Q2	6/1/20 14:25	6/5/20 11:06	172,656,875	0.57	1.27	0.83	0	0	0	2.33	0	0.00	0.00	0.20	0.71	0	0	0	0	0	0	0	0	NA	5.0	5.0	5.9
2020_10_Q2	6/5/20 11:06	6/8/20 22:06	104,412,708	0.68	1.02	0.87	0	0	0	1.78	0	0.36	0.00	0.62	0.75	0	0	0	0	0	0	0	0	NA	4.7	4.7	6.1
2020_11_Q2	6/8/20 22:06	6/12/20 9:06	58,107,953	0.58	0.99	0.76	0.20	0	0	1.45	0.19	0	0	0.49	0.53	0	0	0	0	0.22	0	0	0	NA	4.2	4.2	5.4
2020_12_Q2	6/12/20 9:06	6/15/20 20:06	58,712,971	0.88	0.82	0.76	0.18	0	0	1.59	0.19	0	0	0.28	0.47	0	0	0	0	0	0	0	0	NA	4.4	4.4	5.2
2020_13_Q2	6/15/20 20:06	6/19/20 7:06	88,876,954	1.42	0.98	1.60	0.34	0	0	3.20	0.48	0	0	0.45	0.64	0	0	0	0	0	0	0	0	NA	8.0	8.0	9.1
2020_14_Q2	6/19/20 7:06	6/22/20 18:06	120,134,505	0.70	0.59	0.96	0	0	0	2.52	0	0	0	0.67	0.49	0	0	0	0	0	0	0	0	NA	4.8	4.8	5.9
2020_15_Q2	6/22/20 18:06	6/26/20 5:06	70,462,140	0.70	2.11	0.92	0.20	0	0	1.41	0.23	0	0	0.78	0.85	0	0	0	0	0.25	0	0	0	NA	5.6	5.6	7.4
2020_16_Q2	6/26/20 5:06	6/29/20 16:06	36,712,395	0.55	1.80	0.66	0.15	0	0	0.95	0.17	0	0	0.55	0.62	0	0.09	0	0	0.18	0	0	0	NA	4.3	4.4	5.7
Q2 2020 Totals	***5/9/20 23:49***	***6/29/20 16:06***	***1,308,580,748***	***11***	***26***	***15***	***2.4***	***0.41***	***0.00***	***20***	***3.6***	***0.62***	***0.00***	***6.3***	***13***	***0.00***	***0.63***	***0.00***	***0.00***	***2.1***	***0.00***	***0.00***	***0.00***	***NA***	***79***	***80***	***102***
2020_1_Q3	6/29/20 16:06	7/2/20 8:29	16,684,371	0.32	0	0.42	0.09	0.04	0	0.45	0.09	0	0	0.07	0.20	0	0.05	0	0	0	0	0	0	NA	1.4	1.5	1.7
2020_2_Q3	7/2/20 8:29	7/3/20 8:29	5,795,071	0.11	0.35	0.15	0.03	0.01	0	0.23	0	0	0	0.13	0.16	0	0.02	0	0	0.04	0	0	0	NA	0.9	0.9	1.2
2020_3_Q3	7/3/20 8:29	7/6/20 8:29	15,030,129	0.29	1.18	0.43	0.09	0.04	0	0.52	0	0	0	0.34	0.47	0	0.06	0	0	0.09	0	0	0	NA	2.5	2.6	3.5
2020_4_Q3	7/6/20 8:29	7/7/20 7:29	4,575,096	0.09	0.44	0.14	0.03	0.01	0	0.14	0	0	0	0.11	0.16	0	0.02	0	0	0.03	0	0	0	NA	0.9	0.9	1.2
2020_5_Q3	7/7/20 7:29	7/9/20 12:01	12,348,326	0.21	1.07	0.35	0.07	0.02	0	0.35	0	0	0	0.22	0.41	0	0.05	0	0	0.06	0	0	0	NA	2.1	2.1	2.8
2020_6_Q3	7/9/20 12:01	7/10/20 11:01	5,842,473	0.09	0.45	0.15	0.03	0.00	0	0.15	0	0	0	0.07	0.19	0	0.02	0	0	0.03	0	0	0	NA	0.9	0.9	1.2
2020_7_Q3	7/10/20 11:01	7/13/20 0:01	14,776,297	0.23	1.01	0.39	0.09	0.02	0	0.39	0	0.02	0	0.25	0.47	0	0.05	0	0	0.08	0	0	0	NA	2.2	2.2	3.0
2020_8_Q3	7/13/20 0:01	7/13/20 23:01	5,890,640	0.05	0.18	0.08	0.02	0.01	0	0.08	0	0.01	0	0.06	0.09	0	0.01	0	0	0.02	0	0	0	NA	0.4	0.4	0.6
2020_9_Q3	7/13/20 23:01	7/16/20 0:01	12,180,378	0.22	0.83	0.36	0.08	0.03	0	0.34	0	0.01	0	0.21	0.34	0	0.04	0	0	0.06	0	0	0	NA	1.9	1.9	2.5
2020_10_Q3	7/16/20 0:01	7/16/20 23:01	4,890,093	0.10	0.37	0.15	0.03	0.01	0	0.14	0	0	0	0.06	0.12	0	0.02	0	0	0.02	0	0	0	NA	0.8	0.8	1.0
2020_11_Q3	7/16/20 23:01	7/20/20 0:01	12,608,784	0.29	1.11	0.38	0.10	0.05	0.02	0.18	0	0.02	0	0.08	0.15	0	0.04	0	0	0.02	0	0	0	NA	2.1	2.2	2.4
2020_12_Q3	7/20/20 0:01	7/20/20 23:01	4,441,299	0.12	0.44	0.13	0.04	0.02	0.01	0	0	0.01	0	0	0	0	0.02	0	0	0	0	0	0	NA	0.8	0.8	0.8
2020_13_Q3	7/20/20 23:01	7/22/20 0:01	5,466,058	0.13	0.27	0.16	0.05	0.02	0.01	0.08	0	0.01	0	0.04	0.08	0	0.02	0	0	0	0	0	0	NA	0.7	0.8	0.9
2020_14_Q3	7/22/20 0:01	7/22/20 23:01	4,514,442	0.10	0	0.14	0.04	0.01	0.01	0.13	0	0.01	0	0.06	0.13	0	0.02	0	0	0	0	0	0	NA	0.4	0.5	0.7
2020_15_Q3	7/22/20 23:01	7/23/20 23:01	4,066,412	0.08	0.27	0.12	0.03	0.01	0.01	0.10	0	0	0	0.07	0.12	0	0.02	0	0	0	0	0	0	NA	0.6	0.6	0.8
2020_16_Q3	7/23/20 23:01	7/27/20 0:01	20,315,242	0.35	1.10	0.49	0.11	0.03	0.02	0.24	0	0	0	0.29	0.44	0	0.08	0	0	0	0	0	0	NA	2.3	2.4	3.1

TABLE B17
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load[2] (kg)																						
Interval ID	Start Time[1]	End Time[1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Foremerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_17_Q3	7/27/20 0:01	7/27/20 11:01	3,081,921	0.04	0.13	0.06	0.01	0	0	0	0	0	0	0.04	0.04	0	0.01	0	0	0	0	0	0	NA	0.2	0.3	0.3
2020_18_Q3	7/27/20 11:01	7/28/20 16:20	8,598,694	0.12	0.34	0.16	0.04	0	0	0	0	0	0	0.05	0.06	0	0.03	0	0	0	0	0	0	NA	0.7	0.7	0.8
2020_19_Q3	7/28/20 16:20	7/29/20 0:01	2,165,219	0.03	0.09	0.04	0.01	0	0	0	0	0	0	0	0.01	0	0.01	0	0	0	0	0	0	0.01	0.2	0.2	0.2
2020_20_Q3	7/29/20 0:01	7/29/20 23:01	6,721,966	0.09	0.36	0.14	0.03	0	0	0	0	0	0	0	0.13	0	0.02	0	0	0	0	0	0	0.02	0.6	0.7	0.8
2020_21_Q3	7/29/20 23:01	7/30/20 23:01	9,491,439	0.10	0.39	0.17	0.05	0.03	0	0	0	0	0	0	0.17	0	0.03	0	0	0	0	0	0	0.03	0.7	0.8	0.9
2020_22_Q3	7/30/20 23:01	8/3/20 14:50	30,789,134	0.40	1.37	0.63	0.16	0.08	0	0.32	0	0	0	0	0.60	0	0.09	0	0	0	0	0	0	0.12	3.0	3.1	3.7
2020_23_Q3	8/3/20 14:50	8/4/20 12:30	6,376,388	0.19	0.30	0.19	0.05	0.02	0	0.21	0.04	0.01	0.01	0	0.17	0	0.02	0	0	0	0	0	0	0.03	1.0	1.0	1.2
2020_24_Q3	8/4/20 12:30	8/5/20 23:55	30,928,538	0.75	0.85	0.70	0.15	0.07	0	0.70	0.19	0.07	0.04	0	0.53	0	0.04	0	0	0	0	0	0	0.12	3.5	3.6	4.1
2020_25_Q3	8/5/20 23:55	8/6/20 22:55	20,578,759	0.10	0.17	0.17	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.4	0.4	0.5
2020_26_Q3	8/6/20 22:55	8/9/20 22:38	58,359,492	0.37	0.24	0.82	0.18	0.06	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.21	1.7	1.7	1.7
2020_27_Q3	8/9/20 22:38	8/10/20 21:56	13,933,248	0.11	0	0.28	0.08	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.5	0.5	0.5
2020_28_Q3	8/10/20 21:56	8/12/20 0:01	20,465,095	0.14	0.28	0.32	0.08	0.02	0	0	0	0	0	0.08	0.15	0	0	0	0	0.04	0	0	0	0.09	0.8	0.8	1.1
2020_29_Q3	8/12/20 0:01	8/12/20 23:01	18,224,184	0.11	0.49	0.20	0.04	0	0	0	0	0	0	0.13	0.27	0	0	0	0	0.07	0	0	0	0.07	0.8	0.8	1.3
2020_30_Q3	8/12/20 23:01	8/17/20 0:01	68,965,142	0.32	1.45	0.59	0.07	0	0	0	0	0	0	0.39	0.74	0	0	0	0	0.13	0	0	0	0.22	2.4	2.4	3.7
2020_31_Q3	8/17/20 0:01	8/17/20 23:01	29,873,707	0.10	0.45	0.19	0	0	0	0	0	0	0	0.11	0.19	0	0	0	0	0	0	0	0	0.07	0.7	0.7	1.0
2020_32_Q3	8/17/20 23:01	8/20/20 0:01	60,110,322	0.29	1.23	0.55	0.07	0	0	0	0	0	0	0.30	0.52	0	0	0	0	0	0	0	0	0.16	2.1	2.1	3.0
2020_33_Q3	8/20/20 0:01	8/20/20 23:01	20,274,466	0.13	0.53	0.24	0.05	0	0	0	0	0	0	0.12	0.22	0	0	0	0	0	0	0	0	0.06	0.9	0.9	1.3
2020_34_Q3	8/20/20 23:01	8/25/20 0:01	82,304,076	0.55	2.43	1.11	0.22	0	0	0	0	0	0	0.25	0.45	0	0	0	0	0	0	0	0	0.26	4.3	4.3	5.0
2020_35_Q3	8/25/20 0:01	8/25/20 23:01	14,273,984	0.10	0.47	0.21	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.8	0.8	0.8
2020_36_Q3	8/25/20 23:01	8/27/20 11:18	13,059,107	0.12	0.63	0.25	0.06	0.01	0	0.15	0	0	0	0.03	0.15	0	0	0	0	0.02	0	0	0	0.05	1.2	1.2	1.4
2020_37_Q3	8/27/20 11:18	8/31/20 13:30	21,797,969	0.33	1.78	0.64	0.14	0.05	0	0.59	0	0.03	0	0.17	0.66	0	0.03	0	0	0.08	0	0	0	0.10	3.6	3.6	4.5
2020_38_Q3	8/31/20 13:30	9/3/20 0:01	30,093,899	0.39	1.82	0.71	0.17	0.04	0	0.47	0	0.04	0	0.22	0.70	0	0.04	0	0	0.07	0	0	0	0.12	3.6	3.7	4.7
2020_39_Q3	9/3/20 0:01	9/3/20 23:01	13,891,707	0.11	0.29	0.17	0.05	0	0	0	0	0	0	0.05	0.12	0	0	0	0	0	0	0	0	0.03	0.6	0.6	0.8
2020_40_Q3	9/3/20 23:01	9/7/20 0:01	30,452,220	0.30	0.72	0.44	0.12	0	0	0	0	0	0	0.05	0.36	0	0	0	0	0	0	0	0	0.07	1.6	1.6	2.0
2020_41_Q3	9/7/20 0:01	9/7/20 23:01	7,001,539	0.08	0.18	0.12	0.03	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2020_42_Q3	9/7/20 23:01	9/10/20 0:01	11,457,874	0.22	0.46	0.27	0.07	0.01	0	0.17	0	0.02	0	0.08	0.32	0	0.02	0	0	0.04	0	0	0	0.04	1.2	1.2	1.7
2020_43_Q3	9/10/20 0:01	9/10/20 23:01	3,946,632	0.10	0.22	0.12	0.03	0.01	0	0.12	0	0.01	0	0.06	0.16	0	0.01	0	0	0.02	0	0	0	0.02	0.6	0.6	0.9
2020_44_Q3	9/10/20 23:01	9/14/20 0:01	15,795,194	0.35	0.72	0.44	0.10	0.02	0	0.24	0	0.03	0	0.14	0.51	0	0.06	0	0	0.05	0	0	0	0.08	1.9	1.9	2.7
2020_45_Q3	9/14/20 0:01	9/14/20 23:01	4,603,385	0.08	0.17	0.12	0.02	0	0	0	0	0	0	0.02	0.11	0	0.02	0	0	0	0	0	0	0.02	0.4	0.4	0.5
2020_46_Q3	9/14/20 23:01	9/17/20 0:01	8,296,694	0.18	0.15	0.24	0.05	0.01	0	0.14	0	0.01	0.01	0.06	0.22	0	0.04	0	0	0.01	0	0	0	0.04	0.8	0.8	1.1
2020_47_Q3	9/17/20 0:01	9/17/20 23:01	3,677,254	0.09	0	0.12	0.03	0.01	0	0.12	0	0.01	0.01	0.04	0.11	0	0.02	0	0	0.01	0	0	0	0.02	0.4	0.4	0.6
2020_48_Q3	9/17/20 23:01	9/18/20 10:01	3,161,179	0.13	0	0.12	0.03	0.01	0	0.15	0.03	0.03	0.01	0.16	0.15	0	0.02	0.008	0	0.02	0	0	0	0.01	0.5	0.5	0.9
2020_49_Q3	9/18/20 10:01	9/21/20 0:01	28,670,297	0.71	0.11	0.68	0.13	0.06	0	1.15	0.16	0.12	0.06	0.75	0.81	0	0.08	0.03	0	0.11	0	0	0	0.12	3.2	3.3	5.0
2020_50_Q3	9/21/20 0:01	9/21/20 23:01	15,482,746	0.11	0.12	0.13	0	0	0	0.53	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.06	0.9	0.9	1.0
2020_51_Q3	9/21/20 23:01	9/24/20 0:01	26,249,972	0.24	0.29	0.24	0.04	0	0	0.85	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0.13	1.7	1.7	1.9
2020_52_Q3	9/24/20 0:01	9/24/20 23:01	10,370,932	0.11	0.15	0.10	0.03	0	0	0.32	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0.06	0.7	0.7	0.8
2020_53_Q3	9/24/20 23:01	9/25/20 23:01	10,821,255	0.12	0.13	0.13	0.03	0	0	0.35	0	0	0	0	0.15	0	0	0	0	0	0	0	0	0.06	0.8	0.8	0.9
2020_54_Q3	9/25/20 23:01	9/26/20 23:01	19,919,967	0.24	0.18	0.26	0.05	0	0	0.68	0	0	0	0	0.26	0	0	0	0	0	0	0	0	0.10	1.4	1.4	1.7
2020_55_Q3	9/26/20 23:01	9/28/20 0:01	28,474,571	0.26	0.21	0.27	0.04	0	0	0.94	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0.12	1.7	1.7	2.0
2020_56_Q3	9/28/20 0:01	9/28/20 23:01	22,732,255	0.14	0.14	0.14	0	0	0	0.73	0	0	0	0	0.16	0	0	0	0	0	0	0	0	0.08	1.2	1.2	1.3
2020_57_Q3	9/28/20 23:01	9/29/20 23:01	22,444,018	0.12	0.09	0.15	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.09	0.4	0.4	0.5
2020_58_Q3	9/29/20 23:01	10/1/20 0:01	28,869,846	0.32	0.66	0.35	0.07	0	0	0.72	0	0	0	0.21	0.35	0	0	0	0	0.08	0	0	0	0.14	2.1	2.1	2.8
Q3 2020 Totals	***6/29/20 16:06***	***10/1/20 0:01***	***1,036,211,393***	***12***	***30***	***17***	***3.5***	***0.88***	***0.08***	***13***	***0.50***	***0.47***	***0.15***	***5.6***	***14***	***0.00***	***1.1***	***0.04***	***0.00***	***1.2***	***0.00***	***0.00***	***0.00***	***3.2***	***77***	***78***	***100***
2020_1_Q4	10/1/20 0:01	10/1/20 17:01	22,630,824	0.12	0.07	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.3	0.3	0.3
2020_2_Q4	10/1/20 17:01	10/6/20 15:30	94,327,975	0.63	0.32	0.78	0.10	0	0	0	0	0	0	0	0.24	0	0	0	0	0	0	0	0	0.51	1.8	1.8	2.1
2020_3_Q4	10/6/20 15:30	10/6/20 23:30	3,102,054	0.03	0.01	0.03	0.01	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0.02	0.1	0.1	0.1
2020_4_Q4	10/6/20 23:30	10/7/20 17:30	5,666,371	0.06	0.03	0.07	0.02	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.2
2020_5_Q4	10/7/20 17:30	10/8/20 16:30	6,244,374	0.08	0.05	0.09	0.02	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.03	0.2	0.2	0.3
2020_6_Q4	10/8/20 16:30	10/12/20 0:01	18,702,796	0.34	0.57	0.42	0.16	0.07	0.03	0.31	0	0.02	0	0.19	0.27	0	0.03	0	0	0.04	0	0	0	0.09	1.9	2.0	2.5

TABLE B17
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load[2] (kg)																						
Interval ID	Start Time[1]	End Time[1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Foremerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2020_7_Q4	10/12/20 0:01	10/12/20 23:01	9,731,254	0.22	0.53	0.29	0.13	0.08	0.03	0.32	0	0.02	0	0.19	0.20	0	0.03	0	0	0.05	0	0	0	0.04	1.6	1.7	2.1
2020_8_Q4	10/12/20 23:01	10/15/20 0:01	47,688,854	0.66	1.65	0.88	0.31	0.19	0.08	0.79	0	0.05	0	0.56	0.62	0	0.07	0	0	0.11	0	0	0	0.19	4.6	4.7	6.0
2020_9_Q4	10/15/20 0:01	10/15/20 23:01	20,096,070	0.09	0.30	0.14	0	0	0	0	0	0	0	0.07	0.10	0	0	0	0	0	0	0	0	0.08	0.5	0.5	0.7
2020_10_Q4	10/15/20 23:01	10/19/20 0:01	54,708,233	0.29	0.90	0.40	0	0	0	0	0	0	0	0.21	0.31	0	0	0	0	0	0	0	0	0.25	1.6	1.6	2.1
2020_11_Q4	10/19/20 0:01	10/19/20 23:01	17,102,073	0.10	0.31	0.13	0	0	0	0	0	0	0	0.07	0.11	0	0	0	0	0	0	0	0	0.09	0.5	0.5	0.7
2020_12_Q4	10/19/20 23:01	10/22/20 0:01	30,272,040	0.20	0.38	0.24	0	0	0	0.42	0	0	0	0.06	0.09	0	0	0	0	0	0	0	0	0.16	1.2	1.2	1.4
2020_13_Q4	10/22/20 0:01	10/22/20 23:01	11,426,018	0.08	0.08	0.09	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.6	0.6	0.6
2020_14_Q4	10/22/20 23:01	10/30/20 0:01	54,393,236	0.49	0.98	0.58	0.08	0	0	0.76	0	0	0	0.30	0.23	0	0.10	0	0	0.08	0	0	0	0.26	2.9	3.0	3.6
2020_15_Q4	10/30/20 0:01	10/31/20 0:01	9,159,622	0.10	0.27	0.12	0.03	0	0	0	0	0	0	0.10	0.08	0	0.03	0	0	0.03	0	0	0	0.04	0.5	0.5	0.8
2020_16_Q4	10/31/20 0:01	10/31/20 23:01	9,568,914	0.08	0.26	0.11	0.02	0	0	0.20	0	0	0	0.09	0.06	0	0.04	0	0	0.02	0	0	0	0.05	0.7	0.7	0.9
2020_17_Q4	10/31/20 23:01	11/2/20 0:01	13,443,423	0.11	0.28	0.13	0.02	0	0	0.28	0	0	0	0.06	0.07	0	0.05	0	0	0.01	0	0	0	0.07	0.8	0.9	1.0
2020_18_Q4	11/2/20 0:01	11/2/20 23:01	14,928,953	0.10	0.22	0.13	0	0	0	0.30	0	0	0	0	0.06	0	0.05	0	0	0	0	0	0	0.09	0.8	0.8	0.9
2020_19_Q4	11/2/20 23:01	11/5/20 0:01	28,761,279	0.19	0.53	0.26	0.03	0	0	0.66	0	0	0	0	0.13	0	0.05	0	0	0	0	0	0	0.16	1.7	1.7	1.8
2020_20_Q4	11/5/20 0:01	11/5/20 23:01	9,736,096	0.06	0.21	0.09	0.02	0	0	0.25	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05	0.6	0.6	0.7
2020_21_Q4	11/5/20 23:01	11/9/20 0:01	19,869,252	0.18	0.57	0.26	0.06	0	0	0.48	0	0	0	0.16	0.19	0	0.03	0	0	0.03	0	0	0	0.09	1.5	1.6	2.0
2020_22_Q4	11/9/20 0:01	11/9/20 23:01	5,385,015	0.06	0.19	0.09	0.02	0	0	0.12	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020_23_Q4	11/9/20 23:01	11/11/20 0:01	5,694,659	0.07	0.21	0.10	0.02	0	0	0.06	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.5	0.5	0.7
2020_24_Q4	11/11/20 0:01	11/12/20 0:01	5,548,629	0.08	0.21	0.10	0.02	0	0	0	0	0	0	0.09	0.08	0	0.02	0	0	0.02	0	0	0	0.02	0.4	0.4	0.6
2020_25_Q4	11/12/20 0:01	11/12/20 19:01	15,004,644	0.69	0.72	0.68	0.17	0.11	0.08	0.78	0.24	0.04	0.04	0.59	0.32	0	0.05	0.03	0	0.17	0	0	0	0.05	3.5	3.6	4.7
2020_26_Q4	11/12/20 19:01	11/13/20 14:10	43,872,706	1.07	1.05	1.06	0.24	0.16	0.12	1.14	0.35	0.06	0.06	0.86	0.46	0	0.07	0.05	0	0.24	0	0	0	0.15	5.3	5.4	7.0
2020_27_Q4	11/13/20 14:10	11/18/20 12:25	340,079,098	1.50	1.38	1.87	0	0	0	0	0	0	0	1.05	0.43	0	0	0	0	0	0	0	0	0.97	4.7	4.7	6.2
2020_28_Q4	11/18/20 12:25	11/20/20 11:06	68,070,868	0.41	0.62	0.52	0	0	0	0	0	0	0	0.45	0.25	0	0	0	0	0	0	0	0	0.20	1.5	1.5	2.2
2020_29_Q4	11/20/20 11:06	11/24/20 0:01	114,667,938	0.76	1.61	0.78	0	0	0	0	0	0	0	0.60	0.48	0	0	0	0	0	0	0	0	0.45	3.1	3.1	4.2
2020_30_Q4	11/24/20 0:01	11/24/20 23:01	26,346,560	0.19	0.47	0.16	0	0	0	0	0	0	0	0.09	0.09	0	0	0	0	0	0	0	0	0.12	0.8	0.8	1.0
2020_31_Q4	11/24/20 23:01	11/26/20 0:01	24,616,628	0.18	0.48	0.17	0	0	0	0	0	0	0	0.09	0.10	0	0	0	0	0	0	0	0	0.13	0.8	0.8	1.0
2020_32_Q4	11/26/20 0:01	11/26/20 23:01	18,652,845	0.15	0.39	0.14	0	0	0	0	0	0	0	0.08	0.08	0	0	0	0	0	0	0	0	0.11	0.7	0.7	0.8
2020_33_Q4	11/26/20 23:01	11/30/20 0:01	42,065,553	0.54	1.11	0.45	0.07	0	0	0.57	0	0	0	0.26	0.29	0	0	0	0	0.07	0	0	0	0.22	2.7	2.7	3.4
2020_34_Q4	11/30/20 0:01	11/30/20 23:01	14,786,746	0.27	0.47	0.21	0.05	0	0	0.40	0	0	0	0.12	0.14	0	0	0	0	0.05	0	0	0	0.07	1.4	1.4	1.7
2020_35_Q4	11/30/20 23:01	12/3/20 0:01	61,797,695	0.69	1.28	0.57	0.10	0	0	1.70	0	0	0	0.38	0.39	0	0	0	0	0.10	0	0	0	0.27	4.3	4.3	5.2
2020_36_Q4	12/3/20 0:01	12/3/20 23:01	29,417,522	0.13	0.28	0.13	0	0	0	0.82	0	0	0	0.11	0.09	0	0	0	0	0	0	0	0	0.12	1.4	1.4	1.6
2020_37_Q4	12/3/20 23:01	12/7/20 0:01	78,024,607	0.39	0.88	0.41	0	0	0	1.09	0	0	0	0.40	0.35	0	0	0	0	0.11	0	0	0	0.32	2.8	2.8	3.6
2020_38_Q4	12/7/20 0:01	12/7/20 23:01	24,457,855	0.13	0.32	0.15	0	0	0	0	0	0	0	0.15	0.14	0	0	0	0	0.07	0	0	0	0.11	0.6	0.6	1.0
2020_39_Q4	12/7/20 23:01	12/10/20 0:01	50,972,618	0.29	0.79	0.30	0	0	0	0	0	0	0	0.16	0.15	0	0	0	0	0.07	0	0	0	0.20	1.4	1.4	1.8
2020_40_Q4	12/10/20 0:01	12/10/20 23:01	20,430,180	0.12	0.37	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.6	0.6	0.6
2020_41_Q4	12/10/20 23:01	12/13/20 0:01	31,261,119	0.23	0.67	0.23	0	0	0	0	0	0	0	0.12	0.11	0	0	0	0	0.04	0	0	0	0.14	1.1	1.1	1.4
2020_42_Q4	12/13/20 0:01	12/13/20 23:01	11,706,864	0.11	0.29	0.11	0	0	0	0	0	0	0	0.09	0.08	0	0	0	0	0.03	0	0	0	0.06	0.5	0.5	0.7
2020_43_Q4	12/13/20 23:01	12/14/20 0:59	982,198	0.01	0.03	0.01	0	0	0	0	0	0	0	0.01	0.01	0	0	0	0	0.002	0	0	0	0.00	0.0	0.0	0.1
2020_44_Q4	12/14/20 0:59	12/14/20 11:59	5,310,853	0.05	0.14	0.05	0.01	0	0	0	0	0	0	0.04	0.04	0	0	0	0	0.01	0	0	0	0.02	0.3	0.3	0.3
2020_45_Q4	12/14/20 11:59	12/15/20 16:11	15,379,021	0.16	0.36	0.15	0.04	0	0	0.21	0	0	0	0.06	0.13	0	0	0.03	0	0.02	0	0	0	0.06	0.9	0.9	1.1
2020_46_Q4	12/15/20 16:11	12/17/20 12:29	47,125,887	0.33	0.63	0.30	0.06	0	0	0.64	0	0	0	0.10	0.27	0	0	0.10	0	0	0	0	0	0.21	2.0	2.1	2.4
2020_47_Q4	12/17/20 12:29	12/21/20 13:52	149,396,568	0.53	1.25	0.51	0	0	0	0	0	0	0	0.57	0.40	0	0	0	0	0	0	0	0	0.63	2.3	2.3	3.3
2020_48_Q4	12/21/20 13:52	12/23/20 9:30	65,902,080	0.24	0.33	0.24	0	0	0	0	0	0	0	0.11	0.21	0	0	0	0	0	0	0	0	0.24	0.8	0.8	1.1
2020_49_Q4	12/23/20 9:30	12/24/20 19:20	43,431,813	0.34	0.37	0.27	0	0	0	0	0	0	0	0.28	0.31	0	0	0	0	0	0	0	0	0.16	1.0	1.0	1.6
2020_50_Q4	12/24/20 19:20	12/28/20 15:00	183,564,524	1.38	1.56	1.06	0	0	0	0	0	0	0	1.19	1.19	0	0	0	0	0	0	0	0	0.66	4.0	4.0	6.4
2020_51_Q4	12/28/20 15:00	12/30/20 10:56	73,223,967	0.27	0.44	0.27	0	0	0	0	0	0	0	0.21	0.23	0	0	0	0	0.10	0	0	0	0.25	1.0	1.0	1.5
Q4 2020 Totals	***10/1/20 0:01***	***12/30/20 10:56***	***2,118,736,971***	***16***	***27***	***17***	***1.8***	***0.61***	***0.35***	***13***	***0.59***	***0.19***	***0.11***	***10***	***9.9***	***0.00***	***0.65***	***0.21***	***0.00***	***1.5***	***0.00***	***0.00***	***0.00***	***8.5***	***76***	***77***	***99***
2021_1_Q1	12/30/20 10:56	1/6/21 12:10	334,627,822	1.20	2.51	1.39	0	0	0	0	0	0	0	0.94	0.72	0	0	0	0	0.47	0	0	0	0.59	5.1	5.1	7.2
2021_2_Q1	1/6/21 12:10	1/7/21 11:00	45,269,293	0.14	0.07	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.4	0.4	0.4
2021_3_Q1	1/7/21 11:00	1/11/21 10:30	161,851,166	0.73	1.05	0.76	0	0	0	0	0	0	0	0.32	0.23	0	0	0	0	0	0	0	0	0.00	2.5	2.5	3.1

TABLE B17
CAPE FEAR RIVER PFAS MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details				Calculated Mass Load[2] (kg)																						
Interval ID	Start Time[1]	End Time[1]	Total River Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid (Formerly PFESA-BP1)	Hydro-PS Acid (Formerly PFESA-BP2)	R-PSDA (Formerly Byproduct 4)	Hydrolyzed PSDA (Foremerly Byproduct 5)	R-PSDCA (Formerly Byproduct 6)	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	PFHpA	Total Attachment C[3]	Total Table 3+ (17 Compounds)[4]	Total Table 3+ (20 Compounds)
2021_4_Q1	1/11/21 10:30	1/14/21 12:40	80,160,009	0.60	1.36	0.63	0.08	0	0	0	0	0	0	0.34	0.28	0	0	0	0	0	0	0	0	0.00	2.7	2.7	3.3
2021_5_Q1	1/14/21 12:40	1/21/21 0:01	101,278,798	0.95	2.13	0.93	0.10	0	0	0.71	0	0	0	0.52	0.58	0	0	0	0	0	0	0	0	0.12	4.8	4.8	5.9
2021_6_Q1	1/21/21 0:01	1/22/21 0:01	12,924,035	0.12	0.27	0.11	0	0	0	0.18	0	0	0	0.07	0.09	0	0	0	0	0	0	0	0	0.03	0.7	0.7	0.8
2021_7_Q1	1/22/21 0:01	1/22/21 23:01	11,886,280	0.12	0.27	0.10	0	0	0	0.17	0	0.00	0	0.08	0.09	0	0	0	0	0	0	0	0	0.03	0.7	0.7	0.8
2021_8_Q1	1/22/21 23:01	1/26/21 15:00	38,714,509	0.52	1.14	0.41	0.06	0	0	0.66	0	0.04	0	0.51	0.34	0	0.06	0	0	0.08	0	0	0	0.09	2.8	2.9	3.8
2021_9_Q1	1/26/21 15:00	1/26/21 16:10	630,758	0.01	0.02	0.01	0	0	0	0.01	0	0	0	0.01	0.01	0	0	0	0	0.003	0	0	0	0.00	0.1	0.1	0.1
2021_10_Q1	1/26/21 16:10	1/27/21 0:01	4,979,036	0.05	0.11	0.06	0.01	0	0	0.09	0	0	0	0.05	0.04	0	0	0	0	0.02	0	0	0	0.02	0.3	0.3	0.4
2021_11_Q1	1/27/21 0:01	1/27/21 15:10	12,789,729	0.13	0.29	0.14	0.01	0	0	0.23	0	0	0	0.10	0.09	0	0	0	0	0.04	0	0	0	0.03	0.8	0.8	1.0
2021_12_Q1	1/27/21 15:10	1/28/21 0:01	9,642,566	0.09	0.22	0.09	0	0	0	0.16	0	0	0	0.07	0.06	0	0	0	0	0.03	0	0	0	0.02	0.6	0.6	0.7
2021_13_Q1	1/28/21 0:01	1/28/21 23:01	29,998,584	0.22	0.48	0.21	0	0	0	0.42	0	0	0	0.18	0.14	0	0	0	0	0	0	0	0	0.07	1.3	1.3	1.7
2021_14_Q1	1/28/21 23:01	2/1/21 10:05	129,039,020	0.83	1.59	0.76	0	0	0	1.74	0	0	0	0.38	0.49	0	0	0	0	0	0	0	0	0.35	4.9	4.9	5.8
2021_15_Q1	2/1/21 10:05	2/4/21 16:35	157,579,853	0.79	0.68	0.74	0	0	0	1.81	0	0	0	0	0.57	0	0	0	0	0	0	0	0	0.43	4.0	4.0	4.6
2021_16_Q1	2/4/21 16:35	2/8/21 16:00	159,603,375	0.36	0	0.37	0	0	0	0.80	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0.51	1.5	1.5	1.9
2021_17_Q1	2/8/21 16:00	2/11/21 0:01	83,254,162	0.42	1.00	0.34	0	0	0	0.83	0	0	0	0.21	0.25	0	0	0	0	0	0	0	0	0.31	2.6	2.6	3.1
2021_18_Q1	2/11/21 0:01	2/12/21 14:01	32,965,312	0.33	0.79	0.27	0	0	0	0.66	0	0	0	0.17	0.20	0	0	0	0	0	0	0	0	0.12	2.1	2.1	2.4
2021_19_Q1	2/12/21 14:01	2/16/21 12:00	180,462,725	1.27	2.17	1.03	0	0	0	3.16	0	0	0	0.46	0.54	0	0	0	0	0	0	0	0	0.55	7.6	7.6	8.6
2021_20_Q1	2/16/21 12:00	2/19/21 13:35	186,467,284	1.17	0.83	0.71	0	0	0	2.89	0	0	0	0.45	0.28	0	0	0	0	0	0	0	0	0.24	5.6	5.6	6.3
2021_21_Q1	2/19/21 13:35	2/22/21 9:35	164,917,031	1.16	1.26	0.94	0.18	0	0	2.31	0.20	0	0	0.98	0.51	0	0	0	0	0.17	0	0	0	0.00	6.1	6.1	7.7
2021_22_Q1	2/22/21 9:35	2/24/21 15:15	93,018,293	0.47	0.70	0.56	0.10	0	0	0.95	0.11	0	0	0.55	0.26	0	0	0	0	0.10	0	0	0	0.00	2.9	2.9	3.8
2021_23_Q1	2/24/21 15:15	2/25/21 12:20	35,590,029	0.17	0.29	0.19	0	0	0	0.36	0	0	0	0.14	0.08	0	0	0	0	0	0	0	0	0.06	1.0	1.0	1.2
2021_24_Q1	2/25/21 12:20	3/5/21 0:01	331,411,594	1.66	3.21	1.77	0	0	0	1.99	0	0	0	1.67	1.18	0	0	0	0	0	0	0	0	1.11	8.6	8.6	11.5
2021_25_Q1	3/5/21 0:01	3/6/21 0:01	43,768,217	0.20	0.53	0.23	0	0	0	0	0	0	0	0.32	0.21	0	0	0	0	0	0	0	0	0.15	0.9	0.9	1.5
2021_26_Q1	3/6/21 0:01	3/6/21 23:01	41,150,891	1.15	0.45	0.19	0	0	0	0	0	0	0	0.26	0.16	0	0	0	0	0	0	0	0	0.16	1.8	1.8	2.2
2021_27_Q1	3/6/21 23:01	3/8/21 0:01	42,955,240	0.73	0.49	0.20	0	0	0	0	0	0	0	0.22	0.13	0	0	0	0	0	0	0	0	0.17	1.4	1.4	1.8
2021_28_Q1	3/8/21 0:01	3/8/21 23:01	38,107,963	0.22	0.46	0.17	0	0	0	0	0	0	0	0.14	0.09	0	0	0	0	0	0	0	0	0.15	0.8	0.8	1.1
2021_29_Q1	3/8/21 23:01	3/11/21 0:01	74,531,356	0.51	1.19	0.44	0	0	0	0.52	0	0	0	0.31	0.24	0	0	0	0	0	0	0	0	0.28	2.7	2.7	3.2
2021_30_Q1	3/11/21 0:01	3/11/21 23:01	25,460,186	0.20	0.51	0.18	0	0	0	0.36	0	0	0	0.11	0.11	0	0	0	0	0	0	0	0	0.09	1.3	1.3	1.5
2021_31_Q1	3/11/21 23:01	3/15/21 0:01	61,556,350	0.49	1.23	0.44	0	0	0	0.86	0	0	0	0.28	0.26	0	0	0	0	0	0	0	0	0.22	3.0	3.0	3.6
2021_32_Q1	3/15/21 0:01	3/15/21 23:01	21,039,530	0.16	0.40	0.14	0	0	0	0.25	0	0	0	0.09	0.08	0	0	0	0	0	0	0	0	0.09	0.9	0.9	1.1
2021_33_Q1	3/15/21 23:01	3/18/21 0:01	46,167,900	0.29	0.74	0.27	0	0	0	0.53	0	0	0	0.18	0.15	0	0	0	0	0	0	0	0	0.19	1.8	1.8	2.2
2021_34_Q1	3/18/21 0:01	3/18/21 23:01	30,138,753	0.15	0.39	0.16	0	0	0	0.33	0	0	0	0.11	0.09	0	0	0	0	0	0	0	0	0.11	1.0	1.0	1.2
2021_35_Q1	3/18/21 23:01	3/24/21 0:01	118,868,402	0.83	1.96	1.08	0.13	0	0	1.66	0.24	0	0	1.53	1.00	0	0	0	0	0.32	0	0	0	0.42	5.9	5.9	8.8
2021_36_Q1	3/24/21 0:01	3/24/21 23:01	19,076,663	0.06	0.15	0.09	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.4
2021_37_Q1	3/24/21 23:01	3/25/21 23:01	19,613,126	0.06	0.11	0.05	0	0	0	0	0	0	0	0.14	0.04	0	0	0	0	0	0	0	0	0.07	0.2	0.2	0.4
2021_38_Q1	3/25/21 23:01	3/29/21 0:01	63,362,994	0.09	0.17	0.07	0	0	0	0	0	0	0	0.23	0.07	0	0	0	0	0	0	0	0	0.12	0.3	0.3	0.6
2021_39_Q1	3/29/21 0:01	3/29/21 12:50	17,967,039	0.06	0.14	0.08	0	0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0.04	0.3	0.3	0.4
2021_40_Q1	3/29/21 12:50	3/29/21 23:01	15,484,784	0.05	0.10	0.05	0	0	0	0	0	0	0	0.06	0.05	0	0	0	0	0	0	0	0	0.05	0.2	0.2	0.3
2021_41_Q1	3/29/21 23:01	3/30/21 8:50	15,161,123	0.04	0.08	0.03	0	0	0	0	0	0	0	0.11	0.03	0	0	0	0	0	0	0	0	0.06	0.2	0.2	0.3
2021_42_Q1	3/30/21 8:50	3/31/21 0:01	25,026,429	0.09	0.15	0.07	0	0	0	0	0	0	0	0.10	0.07	0	0	0	0	0	0	0	0	0.08	0.3	0.3	0.5
2021_43_Q1	3/31/21 0:01	3/31/21 23:01	39,405,157	0.17	0.27	0.15	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0	0	0	0.11	0.6	0.6	0.7
Q1 2021 Totals	***12/30/20 10:56***	***3/31/21 23:01***	***3,157,903,369***	***19***	***32***	***17***	***0.68***	***0.00***	***0.00***	***25***	***0.55***	***0.04***	***0.00***	***12***	***10***	***0.00***	***0.06***	***0.00***	***0.00***	***1.2***	***0.00***	***0.00***	***0.00***	***7.3***	***94***	***94***	***118***

Notes:

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

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

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

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

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

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

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2020 Q3	CFR-TARHEEL-12-072720	7/27/20 11:01	11	78	81	110	108,840,000	--	6.1	6.3	8.4
2020 Q3	CAP3Q20-CFR-TARHEEL-072820	7/28/20 16:20	0	75	78	78	--	2,780	5.9	6.1	6.1
2020 Q3	CAP3Q20-CFR-TARHEEL-24-072920	7/29/20 23:01	24	94	97	120	247,120,000	--	7.6	7.9	9.5
2020 Q3	CFR-TARHEEL-24-073020	7/30/20 23:01	24	78	81	99	335,190,000	--	8.6	8.9	11
2020 Q3	CFR-TARHEEL-080320	8/3/20 14:50	0	110	120	140	--	2,450	7.6	8.3	9.7
2020 Q3	CFR-TARHEEL-080420	8/4/20 12:30	0	210	210	240	--	4,250	25	25	29
2020 Q3	CFR-TARHEEL-24-080620	8/6/20 22:55	24	21	21	24	760,600,000	--	5.2	5.2	5.9
2020 Q3	CFR-TARHEEL-24-081020	8/10/20 21:56	24	36	36	36	507,950,000	--	6	6	6
2020 Q3	CFR-TARHEEL-24-081220	8/12/20 23:01	24	46	46	72	672,600,000	--	10	10	16
2020 Q3	CFR-TARHEEL-24-081720	8/17/20 23:01	24	25	25	35	1,107,700,000	--	9.1	8.9	13
2020 Q3	CFR-TARHEEL-24-082020	8/20/20 23:01	24	47	47	64	750,330,000	--	12	11	16
2020 Q3	CFR-TARHEEL-24-082520	8/25/20 23:01	24	58	58	58	529,670,000	--	10	10	10
2020 Q3	CFR-TARHEEL-082720	8/27/20 11:18	0	130	130	150	--	2,850	10	10	12
2020 Q3	CFR-TARHEEL-082720-D	8/27/20 11:18	0	130	130	160	--	2,850	10	10	13
2020 Q3	CFR-TARHEEL-083120	8/31/20 13:30	0	200	200	250	--	1,840	10	10	13
2020 Q3	CFR-TARHEEL-24-090320	9/3/20 23:01	24	44	44	56	515,400,000	--	7.4	7.5	9.5
2020 Q3	CFR-TARHEEL-24-090720	9/7/20 23:01	24	59	59	74	255,760,000	--	4.9	5	6.2
2020 Q3	CFR-TARHEEL-24-091020	9/10/20 23:01	24	160	160	220	146,080,000	--	7.7	7.6	11
2020 Q3	CFR-TARHEEL-24-091420	9/14/20 23:01	24	84	88	120	170,490,000	--	4.7	4.9	6.5
2020 Q3	CFR-TARHEEL-24-091720	9/17/20 23:01	24	100	110	150	135,600,000	--	4.4	4.9	6.8
2020 Q3	CFR-TARHEEL-11-091820	9/18/20 10:01	10	160	170	280	104,290,000	--	13	14	23
2020 Q3	CFR-TARHEEL-24-092120	9/21/20 23:01	24	58	58	67	570,840,000	--	11	11	13
2020 Q3	CFR-TARHEEL-24-092420-2	9/24/20 23:01	24	69	69	80	382,980,000	--	8.7	8.6	10
2020 Q3	CFR-TARHEEL-24-092520	9/25/20 23:01	24	70	70	84	382,150,000	--	8.8	8.8	11
2020 Q3	CFR-TARHEEL-24-092620	9/26/20 23:01	24	70	70	83	703,470,000	--	16	16	19
2020 Q3	CFR-TARHEEL-24-092820	9/28/20 23:01	24	51	51	58	841,660,000	--	14	14	16
2020 Q3	CFR-TARHEEL-24-092920	9/29/20 23:01	24	16	16	22	792,600,000	--	4.2	4.2	5.6
2020 Q3	CFR-TARHEEL-24-093020	9/30/20 23:01	24	74	74	96	971,470,000	--	24	23	31
2020 Q4	CFR-TARHEEL-18-100120	10/1/20 17:01	18	15	15	15	847,260,000	--	5.6	5.5	5.5
2020 Q4	CFR-TARHEEL-9-100620	10/6/20 23:30	9	24	24	29	126,380,000	--	2.7	2.7	3.2
2020 Q4	CFR-TARHEEL-24-100820	10/8/20 16:30	24	39	39	47	231,100,000	--	3	3	3.5
2020 Q4	CFR-TARHEEL-24-101220	10/12/20 23:01	24	170	170	220	352,550,000	--	20	20	25
2020 Q4	CFR-TARHEEL-24-101520	10/15/20 23:01	24	26	26	35	745,010,000	--	6.3	6.4	8.5
2020 Q4	CFR-TARHEEL-24-101920	10/19/20 23:01	24	32	32	42	632,270,000	--	6.6	6.5	8.7
2020 Q4	CFR-TARHEEL-24-102220	10/22/20 23:01	24	51	51	51	423,540,000	--	7.1	7	7
2020 Q4	CFR-TARHEEL-12-103020	10/30/20 23:01	24	56	60	82	325,130,000	--	6	6.4	8.7
2020 Q4	CFR-TARHEEL-24-103120	10/31/20 23:01	24	70	74	92	351,490,000	--	8.1	8.5	11
2020 Q4	CFR-TARHEEL-24-110220	11/2/20 23:01	24	51	54	58	547,950,000	--	9.2	9.7	10
2020 Q4	CFR-TARHEEL-24-110520	11/5/20 23:01	24	65	65	71	362,140,000	--	7.7	7.8	8.4
2020 Q4	CFR-TARHEEL-24-110920	11/9/20 23:01	24	90	93	130	198,700,000	--	5.9	6	8.2
2020 Q4	CFR-TARHEEL-24-111120	11/11/20 23:01	24	74	77	110	193,470,000	--	4.7	4.9	7.1

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Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2020 Q4	CFR-TARHEEL-20-111220	11/12/20 19:01	20	240	240	310	538,380,000	--	51	51	66
2020 Q4	CFR-TARHEEL-111320	11/13/20 14:10	0	6.1	6.1	6.1	--	30,500	5.3	5.3	5.3
2020 Q4	CFR-TARHEEL-111820	11/18/20 12:25	0	22	22	31	--	16,200	10	10	14
2020 Q4	CFR-TARHEEL-112020	11/20/20 11:06	0	24	24	36	--	13,000	8.8	8.8	13
2020 Q4	CFR-TARHEEL-24-112420	11/24/20 23:01	24	31	31	38	975,960,000	--	9.9	10	12
2020 Q4	CFR-TARHEEL-24-112620	11/26/20 23:01	24	36	36	45	691,990,000	--	8.2	8.2	10
2020 Q4	CFR-TARHEEL-24-113020	11/30/20 23:01	24	94	94	120	541,810,000	--	17	17	20
2020 Q4	CFR-TARHEEL-24-120320	12/3/20 23:01	24	46	46	53	1,088,100,000	--	16	17	19
2020 Q4	CFR-TARHEEL-24-120720	12/7/20 23:01	24	25	25	40	899,500,000	--	7.4	7.2	12
2020 Q4	CFR-TARHEEL-24-121020	12/10/20 23:01	24	29	29	29	756,860,000	--	7.2	7.3	7.3
2020 Q4	CFR-TARHEEL-24-121320	12/13/20 23:01	24	43	43	60	427,890,000	--	6	6.1	8.4
2020 Q4	CFR-TARHEEL-12-121420	12/14/20 11:59	11	48	48	66	187,550,000	--	6.4	6.5	8.8
2020 Q4	CAP1220-TARHEEL-121620	12/15/20 16:11	0	70	74	84	--	6,270	12	13	15
2020 Q4	CFR-TARHEEL-121720	12/17/20 12:29	0	13	13	20	--	14,200	5.2	5.2	8
2020 Q4	CFR-TARHEEL-122120	12/21/20 13:52	0	18	18	24	--	14,000	7.1	7.1	9.5
2020 Q4	CFR-TARHEEL-122320	12/23/20 9:30	0	7.1	7.1	10	--	14,400	2.9	2.9	4.1
2020 Q4	CFR-TARHEEL-122420	12/24/20 19:20	0	38	38	62	--	11,100	12	12	19
2020 Q4	CFR-TARHEEL-122820	12/28/20 15:00	0	5.5	5.5	7.5	--	18,500	2.9	2.9	3.9
2020 Q4	CFR-TARHEEL-123020	12/30/20 10:56	0	21	21	34	--	14,500	8.6	8.6	14
2021 Q1	CFR-TARHEEL-010621	1/6/21 12:10	0	9.3	9.3	9.3	--	19,900	5.2	5.2	5.2
2021 Q1	CFR-TARHEEL-010721	1/7/21 11:00	0	7	7	7	--	18,900	3.7	3.7	3.7
2021 Q1	CFR-TARHEEL-011121	1/11/21 10:30	0	24	24	31	--	14,600	9.9	9.9	13
2021 Q1	CFR-TARHEEL-011421	1/14/21 12:40	0	42	42	51	--	7,500	8.9	8.9	11
2021 Q1	CFR-TARHEEL-24-012121	1/21/21 23:01	23	53	53	66	437,800,000	--	7.9	7.9	9.8
2021 Q1	CFR-TARHEEL-24-012221	1/22/21 23:01	23	55	55	70	419,760,000	--	7.9	8	10
2021 Q1	CAP0121-CFR-TARHEEL-012621	1/26/21 15:00	0	91	94	130	--	4,910	13	13	18
2021 Q1	CAP0121-CFR-TARHEEL-24-012721	1/27/21 15:10	23	67	67	88	627,500,000	--	14	14	19
2021 Q1	CFR-TARHEEL-24-012721	1/27/21 23:01	23	58	58	74	753,130,000	--	15	15	19
2021 Q1	CFR-TARHEEL-24-012821	1/28/21 23:01	23	44	44	55	1,059,400,000	--	16	16	20
2021 Q1	CFR-TARHEEL-020121	2/1/21 10:05	0	32	32	35	--	14,800	13	13	15
2021 Q1	CFR-TARHEEL-020421	2/4/21 16:35	0	19	19	24	--	18,200	9.8	9.8	12
2021 Q1	CFR-TARHEEL-020821	2/8/21 16:00	0	0	0	0	--	17,900	0	0	0
2021 Q1	CFR-TARHEEL-38-021221	2/12/21 14:01	38	62	62	73	1,164,200,000	--	15	15	18
2021 Q1	CFR-TARHEEL-021621	2/16/21 12:00	0	22	22	22	--	25,000	16	16	16
2021 Q1	CFR-TARHEEL-021921	2/19/21 13:35	0	38	38	46	--	24,200	26	26	32
2021 Q1	CFR-TARHEEL-022221	2/22/21 9:35	0	36	36	48	--	18,900	19	19	26
2021 Q1	CAP0221-CFR-TARHEEL-022421	2/24/21 15:15	0	71	75	88	--	16,900	34	36	42
2021 Q1	CFR-TARHEEL-022521	2/25/21 12:20	0	30	30	36	--	16,200	14	14	17
2021 Q1	CFR-TARHEEL-24-030521	3/5/21 23:01	23	22	22	34	1,481,400,000	--	11	11	17
2021 Q1	CFR-TARHEEL-24-030621	3/6/21 23:01	23	44	44	54	1,453,200,000	--	22	22	27
2021 Q1	CFR-TARHEEL-24-030821	3/8/21 23:01	23	22	22	28	1,345,800,000	--	10	10	13

TABLE B18
SUMMARY OF TOTAL PFAS MASS DISCHARGE AT TARHEEL FERRY ROAD BRIDGE - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Quarter	Field Sample ID	Collection Date	Hours Composited[1]	Concentrations (ng/L)			Total Volume (ft^3)[4]	Instantaneous Flow Rate (ft^3/s)[5]	Mass Discharge (mg/s)		
				Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)			Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
2021 Q1	CFR-TARHEEL-24-031121	3/11/21 23:01	23	49	49	58	899,120,000	--	15	15	18
2021 Q1	CFR-TARHEEL-24-031521	3/15/21 23:01	23	45	45	53	743,000,000	--	11	11	13
2021 Q1	CFR-TARHEEL-24-031821	3/18/21 23:01	23	34	34	41	1,064,300,000	--	12	12	15
2021 Q1	CFR-TARHEEL-24-032421	3/24/21 23:01	23	65	75	120	673,680,000	--	15	17	28
2021 Q1	CFR-TARHEEL-24-032521	3/25/21 23:01	23	58	61	90	663,150,000	--	13	14	20
2021 Q1	CAP0321-CFR-TARHEEL-032921	3/29/21 12:10	0	14	14	20	--	14,000	5.6	5.6	7.9
2021 Q1	CAP0321-CFR-TARHEEL-21-033021	3/30/21 8:50	20	11	11	20	1,082,200,000	--	4.7	4.6	8.6
2021 Q1	CFR-TARHEEL-24-032921	3/29/21 23:01	23	16	16	20	1,181,300,000	--	6.5	6.5	8.1
2021 Q1	CFR-TARHEEL-24-033121	3/31/21 23:01	23	15	15	18	1,391,600,000	--	7.1	6.9	8.4
2021 Q1	CFR-TARHEEL-24-033121-D	3/31/21 23:01	23	15	15	18	1,391,600,000	--	7.1	7.2	8.7

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

-- - not applicable
ng/L - nanograms per liter
ft_3 - cubic feet
ft_3/s - cubic feet per second
mg/s - milligrams per second

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	1771	7.5	14	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21	CAP SW Sampling Jan 2021		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0421-CFR-RM-76-042021	CAP0421-WC-1-24-042121	CAP0421-OUTFALL-002-24-042121	--	--
Sample Date and Time[2]	4/20/2021	4/21/2021	4/21/2021	--	--
Sample Delivery Group (SDG)	320-72813-1	320-72803-1	320-68081-1		
Lab Sample ID	320-72813-1	320-72803-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	ND	**0.14**	**0.04**	**0.20**	**0.25**
PFMOAA	ND	**0.22**	**0.01**	**1.8**	**2.4**
PFO2HxA	ND	**0.14**	**0.004**	**0.44**	**0.58**
PFO3OA	ND	**0.02**	**0.001**	**0.13**	**0.17**
PFO4DA	ND	**0.005**	ND	**0.07**	**0.09**
PFO5DA	ND	ND	ND	**0.009**	**0.01**
PMPA	ND	**0.17**	**0.005**	**0.11**	**0.14**
PEPA	ND	**0.05**	ND	**0.04**	**0.04**
PS Acid	ND	ND	ND	**0.003**	**0.003**
Hydro-PS Acid	ND	**0.005**	ND	**0.006**	**0.007**
R-PSDA	**0.67**	**0.03**	**0.02**	**0.008**	**0.01**
Hydrolyzed PSDA	ND	**0.07**	**0.00**	**0.01**	**0.02**
R-PSDCA	ND	ND	ND	**0.0003**	**0.0004**
NVHOS, Acid Form	**0.19**	**0.004**	**0.001**	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.0006**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.005**	**0.007**
R-EVE	ND	**0.011**	**0.00**	**0.005**	**0.007**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.00**	**0.75**	**0.12**	**2.8**	**3.7**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.19**	**0.75**	**0.12**	**2.8**	**3.8**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.85**	**0.88**	**0.00**	**2.8**	**3.8**

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	**Seep A**	**Seep B**	**Seep C**	**Seep D**	**Lock and Dam Seep**
Flow (MG)	**0.25**	**0.15**	**0.08**	**0.26**	**0.02**
Instantaneous Flow (ft3/sec)	**--**	**--**	**--**	**--**	**--**
Program	**CAP SW Sampling 04/21**	**CAP SW Sampling 04/21**	**Seep-C FTC**	**CAP SW Sampling 04/21**	**CAP SW Sampling Mar 2021**
Location ID	**SEEP-A-IMP**	**SEEP-B-IMP**	**Seep-C Influent**	**SEEP-D-1**	**Lock-Dam Seep**
Field Sample ID	**CAP0421-SEEP-A-1-6-042121**	**CAP0421-SEEP-B-1-23-042121**	**SEEP-C-Influent-336-043021**	**CAP0421-SEEP-D-1-23-042121**	**CAP0321-LOCK-DAM-SEEP-032921**
Sample Date and Time[2]	**4/21/2021**	**4/21/2021**	**4/30/2021**	**4/21/2021**	**3/29/2021**
Sample Delivery Group (SDG)	**320-72908-2**	**320-72815-1**	**320-73334-1**	**320-72815-1**	**320-72336-1**
Lab Sample ID	**320-72908-6**	**320-72815-2**	**320-73334-2**	**320-72815-4**	**320-72336-1**
Sample Type	**Composite**	**Composite**	**Composite**	**Composite**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.30**	**0.21**	**0.07**	**0.13**	**0.007**
PFMOAA	**1.09**	**0.6**	**0.27**	**0.53**	**0.09**
PFO2HxA	**0.44**	**0.19**	**0.09**	**0.17**	**0.03**
PFO3OA	**0.15**	**0.04**	**0.03**	**0.05**	**0.01**
PFO4DA	**0.09**	**0.01**	**0.01**	**0.01**	**0.001**
PFO5DA	**0.05**	**0.005**	ND	ND	**0.0001**
PMPA	**0.23**	**0.23**	**0.03**	**0.06**	**0.006**
PEPA	**0.11**	**0.12**	**0.01**	**0.03**	**0.002**
PS Acid	**0.04**	**0.03**	ND	ND	ND
Hydro-PS Acid	**0.02**	**0.009**	**0.002**	**0.002**	**0.0002**
R-PSDA	**0.02**	**0.03**	**0.003**	**0.005**	**0.001**
Hydrolyzed PSDA	**0.18**	**0.16**	**0.004**	**0.004**	**0.001**
R-PSDCA	**0.001**	**0.001**	**0.000**	ND	**0.000**
NVHOS, Acid Form	**0.01**	**0.02**	**0.003**	**0.004**	**0.001**
EVE Acid	**0.01**	**0.05**	ND	ND	ND
Hydro-EVE Acid	**0.02**	**0.02**	**0.005**	**0.004**	**0.00**
R-EVE	**0.01**	**0.02**	**0.003**	**0.006**	**0.0003**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**2.5**	**1.5**	**0.53**	**1.0**	**0.14**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**2.6**	**1.5**	**0.53**	**1.0**	**0.14**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**2.8**	**1.7**	**0.53**	**1.0**	**0.15**

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.01	4.9		
Instantaneous Flow (ft3/sec)	--	--		
Program	Old Outfall 002 Treatment System	CAP SW Sampling 04/21		
Location ID	Old Outfall 002 Influent	GBC-1		
Field Sample ID	Influent-0421-2	CAP0421-GBC-1-042021		
Sample Date and Time[2]	4/6/2021	4/20/2021		
Sample Delivery Group (SDG)	410-35110-1	320-72813-1		
Lab Sample ID	410-35110-1	320-72813-4		
Sample Type	Grab	Grab		
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***				
Hfpo Dimer Acid	**0.25**	**0.11**	**1.5**	**1.5**
PFMOAA	**1.4**	**0.02**	**6.03**	**6.7**
PFO2HxA	**0.40**	**0.07**	**2.0**	**2.1**
PFO3OA	**0.09**	**0.01**	**0.53**	**0.57**
PFO4DA	**0.04**	**0.003**	**0.24**	**0.27**
PFO5DA	**0.02**	**0.001**	**0.08**	**0.09**
PMPA	**0.18**	**0.14**	**1.2**	**1.2**
PEPA	**0.06**	**0.05**	**0.45**	**0.46**
PS Acid	**0.03**	ND	**0.11**	**0.11**
Hydro-PS Acid	**0.01**	**0.005**	**0.06**	**0.06**
R-PSDA	**0.03**	**0.02**	**0.83**	**0.83**
Hydrolyzed PSDA	**0.06**	ND	**0.50**	**0.50**
R-PSDCA	**0.0003**	ND	**0.00**	**0.00**
NVHOS, Acid Form	**0.01**	**0.001**	**0.26**	**0.27**
EVE Acid	**0.003**	ND	**0.06**	**0.06**
Hydro-EVE Acid	**0.006**	ND	**0.06**	**0.06**
R-EVE	**0.008**	**0.005**	**0.07**	**0.08**
PES	ND	ND	**0.00**	**0.00**
PFECA B	ND	ND	**0.00**	**0.00**
PFECA-G	ND	ND	**0.00**	**0.00**
Total Attachment C Mass Discharge[7,8]	**2.5**	**0.40**	**12.2**	**13.1**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**2.5**	**0.40**	**12.6**	**13.5**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**2.6**	**0.43**	**13.8**	**14.7**

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge[5]	Tar Heel Ferry Road Bridge	Tar Heel Ferry Road Bridge[5]
Flow (MG)	--	1310	--
Instantaneous Flow (ft3/sec)	2,900	--	2,315
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21	CAP SW Sampling 04/21
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0421-CFR-TARHEEL-042021	CAP0421-CFR-TARHEEL-24-042221	CAP0421-CFR-TARHEEL-5-042121
Sample Date and Time[2]	4/20/2021	4/22/2021	4/21/2021
Sample Delivery Group (SDG)	320-72813-1	320-72908-2	320-72803-1
Lab Sample ID	320-72813-3	320-72908-7	320-72803-3
Sample Type	Grab	Composite	Composite
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***			
Hfpo Dimer Acid	**1.2**	**1.3**	**1.6**
PFMOAA	**3.9**	**3.7**	**3.1**
PFO2HxA	**1.6**	**1.5**	**2.2**
PFO3OA	**0.34**	**0.41**	**0.6**
PFO4DA	ND	**0.11**	**0.2**
PFO5DA	ND	ND	ND
PMPA	**1.6**	**1.1**	**2.4**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**1.1**	**1.8**	**1.2**
Hydrolyzed PSDA	**1.3**	**19**	**2.0**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.25**	**0.20**	**0.31**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	**1.3**	**0.18**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**9.0**	**8.0**	**10.5**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**9.0**	**8.0**	**10.5**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**11.5**	**30.4**	**13.8**

TABLE B19-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--
Pathway Name	Bladen Bluff[5]	Kings Bluff[5]
Flow (MG)	--	--
Instantaneous Flow (ft3/sec)	2,890	2,230
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21
Location ID	CFR-BLADEN	CFR-KINGS
Field Sample ID	CAP0421-CFR-BLADEN-042021	CAP0421-CFR-KINGS-042321
Sample Date and Time[2]	4/20/2021	4/23/2021
Sample Delivery Group (SDG)	320-72813-1	320-72908-2
Lab Sample ID	320-72813-2	320-72908-8
Sample Type	Grab	Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)		
Hfpo Dimer Acid	**1.1**	**0.76**
PFMOAA	**3.5**	**3.0**
PFO2HxA	**1.6**	**1.1**
PFO3OA	**0.37**	**0.22**
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	**1.6**	**0.88**
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	**0.88**
Hydrolyzed PSDA	**1.1**	**2.3**
R-PSDCA	ND	ND
NVHOS, Acid Form	**0.2**	**0.2**
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	**0.56**
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge[7,8]	**8.2**	**5.9**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**8.2**	**6.1**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**9.8**	**10.1**

Notes:
1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec. 2020d).
2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff, 5-hr composite sample collected at Tar Heel Ferry Road Bridge are determined based on instantaneous flow rates.
6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables 8 and 10 and 24-hour flow volumes reported in Table 9.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table 8 and Table 10, which are rounded to two significant figures.

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

Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	1771	7.5	14	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21	CAP SW Sampling Jan 2021		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0421-CFR-RM-76-042021	CAP0421-WC-1-24-042121	CAP0421-OUTFALL-002-24-042121	--	--
Sample Date and Time[2]	4/20/2021	4/21/2021	4/21/2021	--	--
Sample Delivery Group (SDG)	320-72813-1	320-72803-1	320-68081-1		
Lab Sample ID	320-72813-1	320-72803-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	ND	**0.14**	**0.04**	**0.20**	**0.25**
PFMOAA	ND	**0.22**	**0.01**	**1.8**	**2.4**
PFO2HxA	ND	**0.14**	**0.004**	**0.44**	**0.58**
PFO3OA	ND	**0.02**	**0.001**	**0.13**	**0.17**
PFO4DA	ND	**0.005**	ND	**0.07**	**0.09**
PFO5DA	ND	ND	ND	**0.009**	**0.01**
PMPA	ND	**0.17**	**0.005**	**0.11**	**0.14**
PEPA	ND	**0.05**	ND	**0.04**	**0.04**
PS Acid	ND	ND	ND	**0.003**	**0.003**
Hydro-PS Acid	ND	**0.005**	ND	**0.006**	**0.007**
R-PSDA	**0.67**	**0.03**	**0.02**	**0.008**	**0.01**
Hydrolyzed PSDA	ND	**0.07**	**0.00**	**0.01**	**0.02**
R-PSDCA	ND	ND	ND	**0.0003**	**0.0004**
NVHOS, Acid Form	**0.19**	**0.004**	**0.001**	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.0006**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.005**	**0.007**
R-EVE	ND	**0.01**	**0.00**	**0.005**	**0.007**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.00**	**0.75**	**0.12**	**2.8**	**3.7**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.19**	**0.75**	**0.12**	**2.8**	**3.8**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.85**	**0.88**	**0.00**	**2.8**	**3.8**

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	**Seep A**	**Seep B**	**Seep C**	**Seep D**	**Lock and Dam Seep**
Flow (MG)	**0.25**	**0.15**	**0.08**	**0.26**	**0.02**
Instantaneous Flow (ft3/sec)	**--**	**--**	**--**	**--**	**--**
Program	**CAP SW Sampling 04/21**	**CAP SW Sampling 04/21**	**CAP SW Sampling 04/21**	**CAP SW Sampling 04/21**	**CAP SW Sampling Mar 2021**
Location ID	**SEEP-A-IMP**	**SEEP-B-IMP**	**SEEP-C-EFF**	**SEEP-D-1**	**Lock-Dam Seep**
Field Sample ID	**CAP0421-SEEP-A-1-6-042121**	**CAP0421-SEEP-B-1-23-042121**	**CAP0421-SEEP-C-1-20-042121**	**CAP0421-SEEP-D-1-23-042121**	**CAP0321-LOCK-DAM-SEEP-032921**
Sample Date and Time[2]	**4/21/2021**	**4/21/2021**	**4/21/2021**	**4/21/2021**	**3/29/2021**
Sample Delivery Group (SDG)	**320-72908-2**	**320-72815-1**	**320-72815-1**	**320-72815-1**	**320-72336-1**
Lab Sample ID	**320-72908-6**	**320-72815-2**	**320-72815-3**	**320-72815-4**	**320-72336-1**
Sample Type	**Composite**	**Composite**	**Composite**	**Composite**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.30**	**0.21**	ND	**0.13**	**0.007**
PFMOAA	**1.1**	**0.61**	**0.00**	**0.53**	**0.09**
PFO2HxA	**0.44**	**0.19**	**0.00**	**0.17**	**0.03**
PFO3OA	**0.15**	**0.04**	ND	**0.05**	**0.01**
PFO4DA	**0.09**	**0.01**	ND	**0.01**	**0.001**
PFO5DA	**0.05**	**0.005**	ND	ND	**0.0001**
PMPA	**0.23**	**0.23**	ND	**0.06**	**0.006**
PEPA	**0.105**	**0.12**	ND	**0.03**	**0.002**
PS Acid	**0.04**	**0.03**	ND	ND	ND
Hydro-PS Acid	**0.02**	**0.009**	ND	**0.002**	**0.0002**
R-PSDA	**0.02**	**0.03**	ND	**0.005**	**0.001**
Hydrolyzed PSDA	**0.18**	**0.16**	ND	**0.004**	**0.001**
R-PSDCA	**0.001**	**0.001**	ND	ND	**0.000**
NVHOS, Acid Form	**0.01**	**0.02**	ND	**0.004**	**0.001**
EVE Acid	**0.008**	**0.05**	ND	ND	ND
Hydro-EVE Acid	**0.02**	**0.02**	ND	**0.004**	**0.0001**
R-EVE	**0.01**	**0.02**	ND	**0.006**	**0.0003**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**2.5**	**1.5**	**0.00**	**0.98**	**0.14**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**2.6**	**1.5**	**0.00**	**0.99**	**0.14**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**2.8**	**1.7**	**0.00**	**1.0**	**0.15**

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound
Pathway Name	Old Outfall 002	Georgia Branch Creek		
Flow (MG)	1.01	4.9		
Instantaneous Flow (ft3/sec)	--	--		
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21		
Location ID	OLDOF-1	GBC-1		
Field Sample ID	CAP0421-OLDOF-1-24-042121	CAP0421-GBC-1-042021		
Sample Date and Time[2]	4/21/2021	4/20/2021		
Sample Delivery Group (SDG)	320-72803-1	320-72813-1		
Lab Sample ID	320-72803-2	320-72813-4		
Sample Type	Composite	Grab		
Table 3+ Lab SOP Mass Discharge[6] (mg/s)				
Hfpo Dimer Acid	**0.067**	**0.11**	**1.2**	**1.3**
PFMOAA	**0.42**	**0.02**	**4.80**	**5.4**
PFO2HxA	**0.11**	**0.07**	**1.6**	**1.7**
PFO3OA	**0.03**	**0.01**	**0.44**	**0.48**
PFO4DA	**0.01**	**0.003**	**0.20**	**0.22**
PFO5DA	**0.006**	**0.001**	**0.07**	**0.07**
PMPA	**0.05**	**0.14**	**1.0**	**1.0**
PEPA	**0.02**	**0.05**	**0.40**	**0.40**
PS Acid	**0.005**	ND	**0.08**	**0.08**
Hydro-PS Acid	**0.003**	**0.005**	**0.05**	**0.05**
R-PSDA	**0.003**	**0.02**	**0.80**	**0.80**
Hydrolyzed PSDA	**0.006**	ND	**0.44**	**0.45**
R-PSDCA	ND	ND	**0.00**	**0.00**
NVHOS, Acid Form	**0.004**	**0.001**	**0.25**	**0.25**
EVE Acid	**0.0003**	ND	**0.06**	**0.06**
Hydro-EVE Acid	**0.002**	ND	**0.05**	**0.05**
R-EVE	**0.002**	**0.005**	**0.06**	**0.07**
PES	ND	ND	**0.00**	**0.00**
PFECA B	ND	ND	**0.00**	**0.00**
PFECA-G	ND	ND	**0.00**	**0.00**
Total Attachment C Mass Discharge[7,8]	**0.71**	**0.40**	**9.9**	**10.8**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.71**	**0.40**	**10.3**	**11.2**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.71**	**0.43**	**11.4**	**12.3**

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	Tar Heel Ferry Road Bridge[5]	Tar Heel Ferry Road Bridge	Tar Heel Ferry Road Bridge[5]
Flow (MG)	--	1310	--
Instantaneous Flow (ft3/sec)	2,900	--	2,315
Program	CAP SW Sampling 04/21	CAP SW Sampling 04/21	CAP SW Sampling 04/21
Location ID	CFR-TARHEEL	CFR-TARHEEL	CFR-TARHEEL
Field Sample ID	CAP0421-CFR-TARHEEL-042021	CAP0421-CFR-TARHEEL-24-042221	CAP0421-CFR-TARHEEL-5-042121
Sample Date and Time[2]	4/20/2021	4/22/2021	4/21/2021
Sample Delivery Group (SDG)	320-72813-1	320-72908-2	320-72803-1
Lab Sample ID	320-72813-3	320-72908-7	320-72803-3
Sample Type	Grab	Composite	Composite
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***			
Hfpo Dimer Acid	**1.2**	**1.3**	**1.6**
PFMOAA	**3.9**	**3.7**	**3.1**
PFO2HxA	**1.6**	**1.5**	**2.2**
PFO3OA	**0.34**	**0.41**	**0.60**
PFO4DA	ND	**0.11**	**0.21**
PFO5DA	ND	ND	ND
PMPA	**1.6**	**1.1**	**2.4**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**1.1**	**1.8**	**1.2**
Hydrolyzed PSDA	**1.3**	**19**	**2.0**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.25**	**0.20**	**0.31**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	**1.3**	**0.18**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**9.0**	**8.0**	**10.5**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**9.0**	**8.0**	**10.5**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**11.5**	**30.4**	**13.8**

TABLE B19-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - APRIL 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--
Pathway Name	**Bladen Bluff[5]**	**Kings Bluff[5]**
Flow (MG)	**--**	**--**
Instantaneous Flow (ft3/sec)	**2,890**	**2,230**
Program	**CAP SW Sampling 04/21**	**CAP SW Sampling 04/21**
Location ID	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP0421-CFR-BLADEN-042021**	**CAP0421-CFR-KINGS-042321**
Sample Date and Time[2]	**4/20/2021**	**4/23/2021**
Sample Delivery Group (SDG)	**320-72813-1**	**320-72908-2**
Lab Sample ID	**320-72813-2**	**320-72908-8**
Sample Type	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)		
Hfpo Dimer Acid	**1.1**	**0.76**
PFMOAA	**3.5**	**3.0**
PFO2HxA	**1.6**	**1.1**
PFO3OA	**0.37**	**0.22**
PFO4DA	ND	ND
PFO5DA	ND	ND
PMPA	**1.6**	**0.88**
PEPA	ND	ND
PS Acid	ND	ND
Hydro-PS Acid	ND	ND
R-PSDA	ND	**0.88**
Hydrolyzed PSDA	**1.1**	**2.3**
R-PSDCA	ND	ND
NVHOS, Acid Form	**0.25**	**0.21**
EVE Acid	ND	ND
Hydro-EVE Acid	ND	ND
R-EVE	ND	**0.56**
PES	ND	ND
PFECA B	ND	ND
PFECA-G	ND	ND
Total Attachment C Mass Discharge[7,8]	**8.2**	**5.9**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**8.2**	**6.1**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**9.8**	**10.1**

Notes:
1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec. 2020d).
2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - Mass discharge values for grab samples collected at Tar Heel Ferry Road Bridge, Bladen Bluff, and Kings Bluff, 5-hr composite sample collected at Tar Heel Ferry Road Bridge are determined based on instantaneous flow rates.
6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

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

Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	772	4.5	16	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 05/21	CAP SW Sampling 05/21	CAP SW Sampling 05/21		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0521-CFR-RM-76-052521	CAP0521-WC-1-24-052621	CAP0521-OUTFALL-002-24-052621	--	--
Sample Date and Time[2]	5/25/2021	5/26/2021	5/26/2021	--	--
Sample Delivery Group (SDG)	320-74287-2	320-74317-1	320-68081-1		
Lab Sample ID	320-74287-4	320-74317-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	**0.07**	**0.09**	**0.06**	**0.20**	**0.27**
PFMOAA	ND	**0.20**	**0.000**	**1.6**	**2.2**
PFO2HxA	ND	**0.10**	**0.007**	**0.41**	**0.57**
PFO3OA	ND	**0.02**	**0.001**	**0.12**	**0.17**
PFO4DA	ND	**0.005**	ND	**0.06**	**0.09**
PFO5DA	ND	**0.001**	ND	**0.008**	**0.01**
PMPA	**0.8**	**0.12**	**0.001**	**0.16**	**0.20**
PEPA	ND	**0.03**	ND	**0.03**	**0.04**
PS Acid	ND	ND	ND	**0.002**	**0.003**
Hydro-PS Acid	ND	**0.004**	ND	**0.005**	**0.007**
R-PSDA	ND	**0.02**	**0.03**	**0.009**	**0.01**
Hydrolyzed PSDA	ND	**0.07**	**0.07**	**0.02**	**0.03**
R-PSDCA	ND	ND	ND	**0.0002**	**0.0004**
NVHOS, Acid Form	**0.14**	**0.003**	**0.000**	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.0005**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.005**	**0.007**
R-EVE	ND	**0.008**	ND	**0.006**	**0.009**
PES	ND	ND	ND	**0.00004**	**0.00005**
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.85**	**0.57**	**0.09**	**2.6**	**3.6**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.98**	**0.57**	**0.10**	**2.6**	**3.6**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.98**	**0.67**	**0.21**	**2.6**	**3.6**

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep[10]
Flow (MG)	0.13	0.15	0.05	0.16	0.02
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	Seep-A FTC	CAP SW Sampling 05/21	Seep-C FTC	CAP SW Sampling 05/21	CAP SW Sampling 05/21
Location ID	SEEP-A Influent	SEEP-B-IMP	SEEP-C INFLUENT	SEEP-D-IMP	Lock-Dam Seep
Field Sample ID	SEEP-A-Influent-336-053121	CAP0521-SEEP-B-1-24-052621	SEEP-C-Influent-24-051021	CAP0521-SEEP-D-1-18-052621	CAP0521-LOCK-DAM-SEEP-052521
Sample Date and Time[2]	5/31/2021	5/26/2021	5/10/2021	5/26/2021	5/25/2021
Sample Delivery Group (SDG)	320-74508-1	320-74316-2	320-73697-1	320-74316-1	320-74288-1
Lab Sample ID	320-74508-2	320-74316-2	320-73697-2	320-74316-4	320-74288-2
Sample Type	Composite	Composite	Composite	Composite	Grab
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	**0.18**	**0.20**	**0.04**	**0.26**	**0.009**
PFMOAA	**0.51**	**0.7**	**0.16**	**0.72**	**0.09**
PFO2HxA	**0.23**	**0.23**	**0.05**	**0.26**	**0.02**
PFO3OA	**0.08**	**0.07**	**0.02**	**0.11**	**0.01**
PFO4DA	**0.04**	**0.01**	**0.01**	**0.09**	**0.002**
PFO5DA	**0.03**	**0.002**	ND	**0.02**	**0.0001**
PMPA	**0.13**	**0.26**	**0.02**	**0.07**	**0.005**
PEPA	**0.05**	**0.12**	**0.01**	**0.03**	**0.002**
PS Acid	**0.02**	**0.004**	ND	**0.002**	ND
Hydro-PS Acid	**0.01**	**0.008**	**0.00**	**0.03**	**0.000**
R-PSDA	**0.02**	**0.02**	**0.002**	**0.05**	**0.001**
Hydrolyzed PSDA	**0.21**	**0.19**	**0.002**	**0.11**	**0.002**
R-PSDCA	**0.000**	**0.000**	ND	**0.0007**	**0.000**
NVHOS, Acid Form	**0.007**	**0.009**	**0.002**	**0.009**	**0.001**
EVE Acid	**0.003**	**0.007**	ND	ND	ND
Hydro-EVE Acid	**0.01**	**0.01**	**0.002**	**0.07**	**0.0001**
R-EVE	**0.009**	**0.02**	**0.001**	**0.04**	**0.0004**
PES	ND	**0.000**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**1.3**	**1.6**	**0.30**	**1.6**	**0.14**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**1.3**	**1.7**	**0.30**	**1.6**	**0.14**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**1.6**	**1.9**	**0.30**	**1.9**	**0.15**

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound	--
Pathway Name	Old Outfall 002	Georgia Branch Creek			Tar Heel Ferry Road Bridge[5]
Flow (MG)	0.90	3.9			--
Instantaneous Flow (ft3/sec)	--	--			1,240
Program	Old Outfall 002 Treatment System	CAP SW Sampling 05/21			CAP SW Sampling 05/21
Location ID	Old Outfall 002 Influent	GBC-1			CFR-TARHEEL
Field Sample ID	Influent-0521	CAP0521-GBC-1-052521			CAP0521-CFR-TARHEEL-052621
Sample Date and Time[2]	5/5/2021	5/25/2021			5/26/2021
Sample Delivery Group (SDG)	410-38595-1	320-74288-1			320-74300-2
Lab Sample ID	410-38595-1	320-74288-1			320-74300-1
Sample Type	Grab	Grab			Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.31**	**0.10**	**1.5**	**1.6**	**0.60**
PFMOAA	**1.74**	**0.03**	**5.7**	**6.4**	**0.8**
PFO2HxA	**0.47**	**0.07**	**1.9**	**2.0**	**0.56**
PFO3OA	**0.13**	**0.010**	**0.56**	**0.61**	**0.14**
PFO4DA	**0.06**	**0.004**	**0.27**	**0.30**	ND
PFO5DA	**0.03**	ND	**0.09**	**0.09**	ND
PMPA	**0.19**	**0.12**	**1.9**	**1.9**	**1.1**
PEPA	**0.07**	**0.05**	**0.38**	**0.39**	ND
PS Acid	**0.03**	ND	**0.06**	**0.06**	ND
Hydro-PS Acid	**0.01**	**0.005**	**0.07**	**0.07**	ND
R-PSDA	**0.02**	**0.005**	**0.17**	**0.17**	ND
Hydrolyzed PSDA	**0.04**	ND	**0.72**	**0.73**	ND
R-PSDCA	**0.0003**	ND	**0.00**	**0.00**	ND
NVHOS, Acid Form	**0.02**	ND	**0.20**	**0.20**	**0.15**
EVE Acid	**0.002**	ND	**0.01**	**0.01**	ND
Hydro-EVE Acid	**0.006**	ND	**0.11**	**0.11**	ND
R-EVE	**0.008**	**0.003**	**0.09**	**0.09**	ND
PES	ND	ND	**0.00**	**0.00**	ND
PFECA B	ND	ND	**0.00**	**0.00**	ND
PFECA-G	ND	ND	**0.00**	**0.00**	ND
Total Attachment C Mass Discharge[7,8]	**3.0**	**0.39**	**12.4**	**13.4**	**3.2**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**3.1**	**0.39**	**12.7**	**13.7**	**3.3**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**3.1**	**0.39**	**13.7**	**14.7**	**3.3**

TABLE B20-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[5]**	**Kings Bluff[5]**
Flow (MG)	**780**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**1,230**	**1,510**
Program	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP0521-CFR-TARHEEL-24-052721**	**CAP0521-CFR-BLADEN-052621**	**CAP0521-CFR-KINGS-052821**
Sample Date and Time[2]	**5/27/2021**	**5/26/2021**	**5/28/2021**
Sample Delivery Group (SDG)	**320-74588-1**	**320-74300-2**	**320-74588-1**
Lab Sample ID	**320-74588-1**	**320-74300-2**	**320-74588-2**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)			
Hfpo Dimer Acid	**0.72**	**0.80**	**0.77**
PFMOAA	**2.05**	**1.1**	**2.1**
PFO2HxA	**0.79**	**0.73**	**0.86**
PFO3OA	**0.19**	**0.19**	**0.23**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**1.1**	**1.3**	**1.4**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**0.5**	ND	**0.64**
Hydrolyzed PSDA	**0.8**	**0.19**	**0.86**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.2**	**0.17**	**0.17**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	**0.1**	ND	**0.35**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**4.8**	**4.2**	**5.6**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**5.1**	**4.2**	**5.6**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**6.5**	**4.5**	**7.3**

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec. 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - 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.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	772	4.5	16	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 05/21	CAP SW Sampling 05/21	CAP SW Sampling 05/21		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0521-CFR-RM-76-052521	CAP0521-WC-1-24-052621	CAP0521-OUTFALL-002-24-052621	--	--
Sample Date and Time[2]	5/25/2021	5/26/2021	5/26/2021	--	--
Sample Delivery Group (SDG)	320-74287-2	320-74317-1	320-68081-1		
Lab Sample ID	320-74287-4	320-74317-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	**0.07**	**0.09**	**0.06**	**0.20**	**0.27**
PFMOAA	ND	**0.20**	**0.000**	**1.6**	**2.2**
PFO2HxA	ND	**0.10**	**0.007**	**0.41**	**0.57**
PFO3OA	ND	**0.02**	**0.001**	**0.12**	**0.17**
PFO4DA	ND	**0.005**	ND	**0.06**	**0.09**
PFO5DA	ND	**0.001**	ND	**0.008**	**0.01**
PMPA	**0.8**	**0.12**	**0.001**	**0.16**	**0.20**
PEPA	ND	**0.03**	ND	**0.03**	**0.04**
PS Acid	ND	ND	ND	**0.002**	**0.003**
Hydro-PS Acid	ND	**0.004**	ND	**0.005**	**0.007**
R-PSDA	ND	**0.02**	**0.03**	**0.009**	**0.01**
Hydrolyzed PSDA	ND	**0.07**	**0.07**	**0.02**	**0.03**
R-PSDCA	ND	ND	ND	**0.0002**	**0.0004**
NVHOS, Acid Form	**0.14**	**0.003**	**0.000**	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.0005**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.005**	**0.007**
R-EVE	ND	**0.008**	ND	**0.006**	**0.009**
PES	ND	ND	ND	**0.00004**	**0.00005**
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.85**	**0.57**	**0.09**	**2.6**	**3.6**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.98**	**0.57**	**0.10**	**2.6**	**3.6**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.98**	**0.67**	**0.21**	**2.6**	**3.6**

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	**Seep A**	**Seep B**	**Seep C**	**Seep D**	**Lock and Dam Seep[10]**
Flow (MG)	**0.13**	**0.15**	**0.05**	**0.16**	**0.02**
Instantaneous Flow (ft3/sec)	**--**	**--**	**--**	**--**	**--**
Program	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**
Location ID	**SEEP-A-EFF**	**SEEP-B-IMP**	**SEEP-C-EFF**	**SEEP-D-IMP**	**Lock-Dam Seep**
Field Sample ID	**CAP0521-SEEP-A-1-24-052621**	**CAP0521-SEEP-B-1-24-052621**	**CAP0521-SEEP-C-1-24-052621**	**CAP0521-SEEP-D-1-18-052621**	**CAP0521-LOCK-DAM-SEEP-052521**
Sample Date and Time[2]	**5/26/2021**	**5/26/2021**	**5/26/2021**	**5/26/2021**	**5/25/2021**
Sample Delivery Group (SDG)	**320-74316-1**	**320-74316-2**	**320-74316-1**	**320-74316-1**	**320-74288-1**
Lab Sample ID	**320-74316-1**	**320-74316-2**	**320-74316-3**	**320-74316-4**	**320-74288-2**
Sample Type	**Composite**	**Composite**	**Composite**	**Composite**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	ND	**0.20**	**0.00**	**0.26**	**0.009**
PFMOAA	ND	**0.7**	**0.00**	**0.72**	**0.09**
PFO2HxA	ND	**0.23**	**0.00**	**0.26**	**0.02**
PFO3OA	ND	**0.07**	ND	**0.11**	**0.01**
PFO4DA	ND	**0.01**	ND	**0.09**	**0.002**
PFO5DA	ND	**0.002**	**0.00**	**0.02**	**0.0001**
PMPA	**0.00**	**0.26**	**0.00**	**0.07**	**0.005**
PEPA	ND	**0.12**	ND	**0.03**	**0.002**
PS Acid	ND	**0.004**	**0.00**	**0.002**	ND
Hydro-PS Acid	ND	**0.008**	**0.00**	**0.03**	**0.000**
R-PSDA	ND	**0.02**	ND	**0.05**	**0.001**
Hydrolyzed PSDA	ND	**0.19**	ND	**0.11**	**0.002**
R-PSDCA	ND	**0.000**	ND	**0.0007**	**0.000**
NVHOS, Acid Form	ND	**0.009**	ND	**0.009**	**0.001**
EVE Acid	ND	**0.007**	ND	ND	ND
Hydro-EVE Acid	ND	**0.01**	ND	**0.07**	**0.0001**
R-EVE	ND	**0.02**	ND	**0.04**	**0.0004**
PES	ND	**0.000**	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.00**	**1.6**	**0.00**	**1.6**	**0.14**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.00**	**1.7**	**0.00**	**1.6**	**0.14**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.00**	**1.9**	**0.00**	**1.9**	**0.15**

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound	--
Pathway Name	Old Outfall 002	Georgia Branch Creek			Tar Heel Ferry Road Bridge[5]
Flow (MG)	0.90	3.9			--
Instantaneous Flow (ft3/sec)	--	--			1,240
Program	CAP SW Sampling 05/21	CAP SW Sampling 05/21			CAP SW Sampling 05/21
Location ID	OLDOF-1	GBC-1			CFR-TARHEEL
Field Sample ID	CAP0521-OLDOF-1-23-052621	CAP0521-GBC-1-052521			CAP0521-CFR-TARHEEL-052621
Sample Date and Time[2]	5/26/2021	5/25/2021			5/26/2021
Sample Delivery Group (SDG)	320-74332-1	320-74288-1			320-74300-2
Lab Sample ID	320-74332-2	320-74288-1			320-74300-1
Sample Type	Composite	Grab			Grab
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	**0.031**	**0.10**	**1.0**	**1.1**	**0.60**
PFMOAA	**0.17**	**0.03**	**3.5**	**4.1**	**0.8**
PFO2HxA	**0.047**	**0.07**	**1.2**	**1.3**	**0.56**
PFO3OA	**0.015**	**0.010**	**0.35**	**0.40**	**0.14**
PFO4DA	**0.006**	**0.004**	**0.17**	**0.20**	ND
PFO5DA	**0.003**	ND	**0.03**	**0.04**	ND
PMPA	**0.02**	**0.12**	**1.5**	**1.6**	**1.1**
PEPA	**0.009**	**0.05**	**0.26**	**0.27**	ND
PS Acid	**0.001**	ND	**0.01**	**0.01**	ND
Hydro-PS Acid	**0.001**	**0.005**	**0.05**	**0.05**	ND
R-PSDA	**0.002**	**0.005**	**0.13**	**0.14**	ND
Hydrolyzed PSDA	**0.003**	ND	**0.47**	**0.48**	ND
R-PSDCA	ND	ND	**0.00**	**0.00**	ND
NVHOS, Acid Form	**0.002**	ND	**0.17**	**0.18**	**0.15**
EVE Acid	**0.0001**	ND	**0.01**	**0.01**	ND
Hydro-EVE Acid	**0.001**	ND	**0.09**	**0.09**	ND
R-EVE	**0.001**	**0.003**	**0.07**	**0.08**	ND
PES	ND	ND	**0.00**	**0.00**	ND
PFECA B	ND	ND	**0.00**	**0.00**	ND
PFECA-G	ND	ND	**0.00**	**0.00**	ND
Total Attachment C Mass Discharge[7,8]	**0.31**	**0.39**	**8.1**	**9.1**	**3.2**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.31**	**0.39**	**8.4**	**9.4**	**3.3**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.31**	**0.39**	**9.0**	**10.0**	**3.3**

TABLE B20-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - MAY 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[5]**	**Kings Bluff[5]**
Flow (MG)	**780**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**1,230**	**1,510**
Program	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**	**CAP SW Sampling 05/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP0521-CFR-TARHEEL-24-052721**	**CAP0521-CFR-BLADEN-052621**	**CAP0521-CFR-KINGS-052821**
Sample Date and Time[2]	**5/27/2021**	**5/26/2021**	**5/28/2021**
Sample Delivery Group (SDG)	**320-74588-1**	**320-74300-2**	**320-74588-1**
Lab Sample ID	**320-74588-1**	**320-74300-2**	**320-74588-2**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)			
Hfpo Dimer Acid	**0.72**	**0.80**	**0.77**
PFMOAA	**2.05**	**1.1**	**2.1**
PFO2HxA	**0.79**	**0.73**	**0.86**
PFO3OA	**0.19**	**0.19**	**0.23**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**1.1**	**1.3**	**1.4**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	**0.5**	ND	**0.64**
Hydrolyzed PSDA	**0.8**	**0.19**	**0.86**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	**0.2**	**0.17**	**0.17**
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	**0.1**	ND	**0.35**
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**4.8**	**4.2**	**5.6**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**5.1**	**4.2**	**5.6**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**6.5**	**4.5**	**7.3**

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec. 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - 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.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

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

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

Bold - Analyte detected above associated reporting limit

SOP - Standard Operating Procedure

mg/s - milligrams per second

ND - Analyte not detected above associated reporting limit.

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	2875	10.3	19	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 06/21	CAP SW Sampling 06/21	CAP SW Sampling 06/21		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0621-CFR-RM-76-061521	CAP0621-WC-1-24-061621	CAP0621-OUTFALL-002-24-061621	--	--
Sample Date and Time[2]	6/15/2021	6/16/2021	6/16/2021	--	--
Sample Delivery Group (SDG)	320-75234-2	320-75253-1	320-68081-1		
Lab Sample ID	320-75234-1	320-75253-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge [6] ***(mg/s)***					
Hfpo Dimer Acid	ND	**0.14**	**0.05**	**0.19**	**0.25**
PFMOAA	**0.31**	**0.27**	**0.007**	**1.4**	**2.0**
PFO2HxA	ND	**0.17**	**0.006**	**0.38**	**0.52**
PFO3OA	ND	**0.03**	**0.001**	**0.11**	**0.16**
PFO4DA	ND	**0.007**	ND	**0.06**	**0.09**
PFO5DA	ND	**0.001**	ND	**0.008**	**0.01**
PMPA	ND	**0.19**	**0.007**	**0.11**	**0.14**
PEPA	ND	**0.05**	ND	**0.03**	**0.04**
PS Acid	ND	ND	ND	**0.002**	**0.003**
Hydro-PS Acid	ND	**0.006**	ND	**0.005**	**0.007**
R-PSDA	**0.52**	**0.05**	ND	**0.008**	**0.01**
Hydrolyzed PSDA	ND	**0.10**	**0.07**	**0.01**	**0.02**
R-PSDCA	ND	ND	ND	**0.0002**	**0.0004**
NVHOS, Acid Form	ND	**0.005**	ND	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.001**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.004**	**0.006**
R-EVE	ND	**0.02**	ND	**0.005**	**0.007**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.31**	**0.86**	**0.10**	**2.3**	**3.2**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.31**	**0.90**	**0.11**	**2.3**	**3.2**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.83**	**1.0**	**0.20**	**2.3**	**3.3**

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.13	0.21	0.06	0.19	0.02
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	Seep-A FTC	Seep-B FTC	Seep-C FTC	CAP SW Sampling 06/21	CAP SW Sampling 06/21
Location ID	SEEP-A Influent	SEEP-B Influent	SEEP-C Influent	SEEP-D-IMP	Lock-Dam Seep
Field Sample ID	SEEP-A-INFLUENT-336-061421	SEEP-B-INFLUENT-24-061521	SEEP-C-INFLUENT-336-061421	CAP0621-SEEP-D-IMP-24-061721	CAP0621-LOCK-DAM-SEEP-061521
Sample Date and Time[2]	6/14/2021	6/15/2021	6/14/2021	6/17/2021	6/15/2021
Sample Delivery Group (SDG)	320-75082-1	320-75451-1	320-75081-1	320-75294-1	320-75234-1
Lab Sample ID	320-75082-1	320-75451-1	320-75081-1	320-75294-5	320-75234-4
Sample Type	Composite	Composite	Composite	Composite	Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.13**	**0.27**	**0.03**	**0.14**	**0.009**
PFMOAA	**0.39**	**0.30**	**0.09**	**0.55**	**0.07**
PFO2HxA	**0.21**	**0.13**	**0.03**	**0.20**	**0.02**
PFO3OA	**0.08**	**0.03**	**0.01**	**0.06**	**0.01**
PFO4DA	**0.04**	**0.01**	**0.003**	**0.02**	**0.002**
PFO5DA	**0.02**	**0.005**	ND	ND	**0.0001**
PMPA	**0.11**	**0.28**	**0.01**	**0.07**	**0.007**
PEPA	**0.06**	**0.12**	**0.005**	**0.02**	**0.002**
PS Acid	**0.03**	**0.02**	ND	ND	ND
Hydro-PS Acid	**0.008**	**0.007**	**0.001**	**0.002**	**0.0001**
R-PSDA	**0.01**	**0.03**	**0.001**	**0.006**	**0.001**
Hydrolyzed PSDA	**0.10**	**0.18**	**0.001**	**0.01**	**0.002**
R-PSDCA	**0.0003**	**0.0005**	ND	ND	**0.00001**
NVHOS, Acid Form	**0.006**	**0.01**	**0.001**	**0.006**	**0.001**
EVE Acid	**0.006**	**0.03**	ND	ND	ND
Hydro-EVE Acid	**0.009**	**0.02**	**0.002**	**0.008**	**0.0001**
R-EVE	**0.006**	**0.02**	**0.001**	**0.006**	**0.001**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**1.1**	**1.2**	**0.19**	**1.02**	**0.12**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**1.1**	**1.3**	**0.19**	**1.10**	**0.12**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**1.2**	**1.4**	**0.19**	**1.10**	**0.13**

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound	--
Pathway Name	Old Outfall 002	Georgia Branch Creek			Tar Heel Ferry Road Bridge[5]
Flow (MG)	1.11	5.2			--
Instantaneous Flow (ft3/sec)	--	--			4,480
Program	Old Outfall 002 Treatment System	CAP SW Sampling 06/21			CAP SW Sampling 06/21
Location ID	Old Outfall 002 Influent	GBC-1			CFR-TARHEEL
Field Sample ID	Influent-0621-1	CAP0621-GBC-1-061521			CAP0621-CFR-TARHEEL-061521
Sample Date and Time[2]	6/2/2021	6/15/2021			6/15/2021
Sample Delivery Group (SDG)	410-42145-1	320-75234-1			320-75249-1
Lab Sample ID	410-42145-1	320-75234-3			320-75249-3
Sample Type	Grab	Grab			Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.31**	**0.10**	**1.36**	**1.42**	**0.91**
PFMOAA	**2.5**	**0.02**	**5.93**	**6.51**	**1.6**
PFO2HxA	**0.63**	**0.07**	**1.85**	**2.00**	**1.0**
PFO3OA	**0.17**	**0.01**	**0.52**	**0.56**	ND
PFO4DA	**0.06**	**0.005**	**0.21**	**0.24**	ND
PFO5DA	**0.04**	**0.001**	**0.07**	**0.08**	ND
PMPA	**0.27**	**0.15**	**1.21**	**1.24**	**2.8**
PEPA	**0.09**	**0.04**	**0.41**	**0.42**	ND
PS Acid	**0.01**	ND	**0.06**	**0.07**	ND
Hydro-PS Acid	**0.02**	**0.006**	**0.05**	**0.05**	ND
R-PSDA	**0.03**	**0.02**	**0.68**	**0.68**	ND
Hydrolyzed PSDA	**0.15**	ND	**0.63**	**0.64**	ND
R-PSDCA	**0.000**	ND	**0.00**	**0.00**	ND
NVHOS, Acid Form	**0.02**	**0.001**	**0.07**	**0.07**	ND
EVE Acid	**0.001**	ND	**0.04**	**0.04**	ND
Hydro-EVE Acid	**0.009**	**0.000**	**0.05**	**0.05**	ND
R-EVE	**0.01**	**0.008**	**0.08**	**0.08**	ND
PES	ND	ND	**0.00**	**0.00**	ND
PFECA B	ND	ND	**0.00**	**0.00**	ND
PFECA-G	ND	ND	**0.00**	**0.00**	ND
Total Attachment C Mass Discharge[7,8]	**4.1**	**0.41**	**11.7**	**12.6**	**6.3**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**4.1**	**0.41**	**12.0**	**12.9**	**6.3**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**4.3**	**0.43**	**13.3**	**14.2**	**6.3**

TABLE B21-1
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY BEFORE REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	**--**	**--**	**--**
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[5]**	**Kings Bluff[5]**
Flow (MG)	**2,930**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**4,450**	**4,290**
Program	**CAP SW Sampling 06/21**	**CAP SW Sampling 06/21**	**CAP SW Sampling 06/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP0621-CFR-TARHEEL-24-061621**	**CAP0621-CFR-BLADEN-061521**	**CAP0621-CFR-KINGS-061721**
Sample Date and Time[2]	**6/16/2021**	**6/15/2021**	**6/17/2021**
Sample Delivery Group (SDG)	**320-75253-1**	**320-75249-1**	**320-75234-1**
Lab Sample ID	**320-75253-2**	**320-75249-4**	**320-75234-2**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)			
Hfpo Dimer Acid	**0.85**	**0.91**	**0.81**
PFMOAA	**1.9**	**2.3**	**1.6**
PFO2HxA	**1.3**	**1.0**	**1.1**
PFO3OA	**0.3**	ND	**0.26**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**2.7**	**2.4**	**4.6**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.6**	**0.79**	**0.85**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**7.1**	**6.7**	**8.4**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**7.1**	**6.7**	**8.4**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**7.7**	**7.4**	**9.2**

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - 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.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

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

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

Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	1	2	4	5	
Pathway Name	Upstream River Water and Groundwater	Willis Creek	Outfall 002[3]	Onsite Groundwater - Lower Bound[4]	Onsite Groundwater - Upper Bound[4]
Flow (MG)	2875	10.3	19	--	--
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	CAP SW Sampling 06/21	CAP SW Sampling 06/21	CAP SW Sampling 06/21		
Location ID	CFR-MILE-76	WC-1	OUTFALL 002	--	--
Field Sample ID	CAP0621-CFR-RM-76-061521	CAP0621-WC-1-24-061621	CAP0621-OUTFALL-002-24-061621	--	--
Sample Date and Time[2]	6/15/2021	6/16/2021	6/16/2021	--	--
Sample Delivery Group (SDG)	320-75234-2	320-75253-1	320-68081-1		
Lab Sample ID	320-75234-1	320-75253-1	320-68081-2		
Sample Type	Grab	Composite	Composite	--	--
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	ND	**0.14**	**0.05**	**0.19**	**0.25**
PFMOAA	**0.31**	**0.27**	**0.007**	**1.4**	**2.0**
PFO2HxA	ND	**0.17**	**0.006**	**0.38**	**0.52**
PFO3OA	ND	**0.03**	**0.001**	**0.11**	**0.16**
PFO4DA	ND	**0.007**	ND	**0.06**	**0.09**
PFO5DA	ND	**0.001**	ND	**0.008**	**0.01**
PMPA	ND	**0.19**	**0.007**	**0.11**	**0.14**
PEPA	ND	**0.05**	ND	**0.03**	**0.04**
PS Acid	ND	ND	ND	**0.002**	**0.003**
Hydro-PS Acid	ND	**0.006**	ND	**0.005**	**0.007**
R-PSDA	**0.52**	**0.05**	ND	**0.008**	**0.01**
Hydrolyzed PSDA	ND	**0.10**	**0.07**	**0.01**	**0.02**
R-PSDCA	ND	ND	ND	**0.0002**	**0.0004**
NVHOS, Acid Form	ND	**0.005**	ND	**0.01**	**0.02**
EVE Acid	ND	ND	ND	**0.001**	**0.001**
Hydro-EVE Acid	ND	**0.002**	ND	**0.004**	**0.006**
R-EVE	ND	**0.02**	ND	**0.005**	**0.007**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.31**	**0.86**	**0.10**	**2.3**	**3.2**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.31**	**0.90**	**0.11**	**2.3**	**3.2**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.83**	**1.0**	**0.20**	**2.3**	**3.3**

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	6A	6B	6C	6D	6E
Pathway Name	Seep A	Seep B	Seep C	Seep D	Lock and Dam Seep
Flow (MG)	0.13	0.21	0.06	0.19	0.02
Instantaneous Flow (ft3/sec)	--	--	--	--	--
Program	Seep-A FTC	CAP SW Sampling 06/21	Seep-C FTC	CAP SW Sampling 06/21	CAP SW Sampling 06/21
Location ID	SEEP-A-EFF	SEEP-B-EFF	SEEP-C-EFF	SEEP-D-IMP	Lock-Dam Seep
Field Sample ID	SEEP-A-EFFLUENT-336-061421	CAP0621-SEEP-B-EFF-24-061621	SEEP-C-EFFLUENT-336-061421	CAP0621-SEEP-D-IMP-24-061721	CAP0621-LOCK-DAM-SEEP-061521
Sample Date and Time[2]	6/14/2021	6/16/2021	6/14/2021	6/17/2021	6/15/2021
Sample Delivery Group (SDG)	320-75082-1	320-75294-1	320-75081-1	320-75294-1	320-75234-1
Lab Sample ID	320-75082-2	320-75294-2	320-75081-2	320-75294-5	320-75234-4
Sample Type	Composite	Composite	Composite	Composite	Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.0001**	ND	**0.00003**	**0.14**	**0.009**
PFMOAA	**0.0004**	**0.00005**	**0.0002**	**0.55**	**0.07**
PFO2HxA	**0.0001**	ND	**0.00004**	**0.20**	**0.02**
PFO3OA	**0.00005**	ND	**0.00001**	**0.06**	**0.01**
PFO4DA	**0.00003**	ND	ND	**0.02**	**0.002**
PFO5DA	**0.00002**	ND	ND	ND	**0.0001**
PMPA	**0.0002**	ND	**0.0001**	**0.07**	**0.007**
PEPA	ND	ND	ND	**0.02**	**0.002**
PS Acid	ND	ND	ND	ND	ND
Hydro-PS Acid	ND	ND	ND	**0.002**	**0.0001**
R-PSDA	ND	ND	ND	**0.006**	**0.001**
Hydrolyzed PSDA	**0.0001**	ND	ND	**0.01**	**0.002**
R-PSDCA	ND	ND	ND	ND	**0.00001**
NVHOS, Acid Form	ND	ND	ND	**0.006**	**0.001**
EVE Acid	ND	ND	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND	**0.008**	**0.0001**
R-EVE	ND	ND	ND	**0.006**	**0.001**
PES	ND	ND	ND	ND	ND
PFECA B	ND	ND	ND	ND	ND
PFECA-G	ND	ND	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**0.001**	**0.00005**	**0.0004**	**1.02**	**0.12**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.001**	**0.00005**	**0.0004**	**1.10**	**0.12**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.001**	**0.00005**	**0.0004**	**1.10**	**0.13**

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	7	9	Sum of All Pathways - Lower Bound	Sum of All Pathways - Upper Bound	--
Pathway Name	Old Outfall 002	Georgia Branch Creek			Tar Heel Ferry Road Bridge[5]
Flow (MG)	1.11	5.2			--
Instantaneous Flow (ft3/sec)	--	--			4,480
Program	CAP SW Sampling 06/21	CAP SW Sampling 06/21			CAP SW Sampling 06/21
Location ID	OLDOF-1	GBC-1			CFR-TARHEEL
Field Sample ID	CAP0621-OLDOF-1-24-061621	CAP0621-GBC-1-061521			CAP0621-CFR-TARHEEL-061521
Sample Date and Time[2]	6/16/2021	6/15/2021			6/15/2021
Sample Delivery Group (SDG)	320-75253-1	320-75234-1			320-75249-1
Lab Sample ID	320-75253-4	320-75234-3			320-75249-3
Sample Type	Composite	Grab			Grab
Table 3+ Lab SOP Mass Discharge[6] (mg/s)					
Hfpo Dimer Acid	**0.04**	**0.10**	**0.66**	**0.72**	**0.91**
PFMOAA	**0.18**	**0.02**	**2.84**	**3.43**	**1.6**
PFO2HxA	**0.05**	**0.07**	**0.91**	**1.05**	**1.0**
PFO3OA	**0.02**	**0.01**	**0.24**	**0.29**	ND
PFO4DA	**0.008**	**0.005**	**0.10**	**0.12**	ND
PFO5DA	**0.004**	**0.001**	**0.01**	**0.02**	ND
PMPA	**0.03**	**0.15**	**0.56**	**0.59**	**2.8**
PEPA	**0.009**	**0.04**	**0.15**	**0.15**	ND
PS Acid	**0.001**	ND	**0.00**	**0.00**	ND
Hydro-PS Acid	**0.002**	**0.006**	**0.02**	**0.02**	ND
R-PSDA	ND	**0.02**	**0.60**	**0.60**	ND
Hydrolyzed PSDA	ND	ND	**0.20**	**0.20**	ND
R-PSDCA	ND	ND	**0.00**	**0.00**	ND
NVHOS, Acid Form	ND	**0.001**	**0.03**	**0.03**	ND
EVE Acid	ND	ND	**0.00**	**0.00**	ND
Hydro-EVE Acid	**0.001**	**0.000**	**0.02**	**0.02**	ND
R-EVE	ND	**0.008**	**0.04**	**0.04**	ND
PES	ND	ND	**0.00**	**0.00**	ND
PFECA B	ND	ND	**0.00**	**0.00**	ND
PFECA-G	ND	ND	**0.00**	**0.00**	ND
Total Attachment C Mass Discharge[7,8]	**0.34**	**0.41**	**5.5**	**6.4**	**6.3**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**0.34**	**0.41**	**5.6**	**6.5**	**6.3**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**0.34**	**0.43**	**6.4**	**7.3**	**6.3**

TABLE B21-2
TABLE 3+ PFAS MASS DISCHARGE BY PATHWAY AFTER REMEDIES - JUNE 2021
Chemours Fayetteville Works, North Carolina

Pathway Number[1]	--	--	--
Pathway Name	**Tar Heel Ferry Road Bridge**	**Bladen Bluff[5]**	**Kings Bluff[5]**
Flow (MG)	**2,930**	**--**	**--**
Instantaneous Flow (ft3/sec)	**--**	**4,450**	**4,290**
Program	**CAP SW Sampling 06/21**	**CAP SW Sampling 06/21**	**CAP SW Sampling 06/21**
Location ID	**CFR-TARHEEL**	**CFR-BLADEN**	**CFR-KINGS**
Field Sample ID	**CAP0621-CFR-TARHEEL-24-061621**	**CAP0621-CFR-BLADEN-061521**	**CAP0621-CFR-KINGS-061721**
Sample Date and Time[2]	**6/16/2021**	**6/15/2021**	**6/17/2021**
Sample Delivery Group (SDG)	**320-75253-1**	**320-75249-1**	**320-75234-1**
Lab Sample ID	**320-75253-2**	**320-75249-4**	**320-75234-2**
Sample Type	**Composite**	**Grab**	**Grab**
Table 3+ Lab SOP Mass Discharge[6] (mg/s)			
Hfpo Dimer Acid	**0.85**	**0.91**	**0.81**
PFMOAA	**1.9**	**2.3**	**1.6**
PFO2HxA	**1.3**	**1.0**	**1.1**
PFO3OA	**0.3**	ND	**0.26**
PFO4DA	ND	ND	ND
PFO5DA	ND	ND	ND
PMPA	**2.7**	**2.4**	**4.6**
PEPA	ND	ND	ND
PS Acid	ND	ND	ND
Hydro-PS Acid	ND	ND	ND
R-PSDA	ND	ND	ND
Hydrolyzed PSDA	**0.6**	**0.79**	**0.85**
R-PSDCA	ND	ND	ND
NVHOS, Acid Form	ND	ND	ND
EVE Acid	ND	ND	ND
Hydro-EVE Acid	ND	ND	ND
R-EVE	ND	ND	ND
PES	ND	ND	ND
PFECA B	ND	ND	ND
PFECA-G	ND	ND	ND
Total Attachment C Mass Discharge[7,8]	**7.1**	**6.7**	**8.4**
Total Table 3+ Mass Discharge (17 compounds)[7,9]	**7.1**	**6.7**	**8.4**
Total Table 3+ Mass Discharge (20 Compounds)[7]	**7.7**	**7.4**	**9.2**

Notes:

1 - Pathway 3 (Aerial Deposition on Water Features) and Pathway 8 (Offsite Adjacent and Downstream Groundwater) are not included in this table. Loading from Pathway 3 was estimated using relative concentration ratios from offsite wells, and loading from Pathway 8 was estimated by scaling to the upstream offsite groundwater loading. Further details are provided in Appendix F and Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d).

2 - For composite samples, the end of the composite sample time period is listed as the sample date.

3 - Total Table 3+ concentrations at the Intake River Water at the Facility are subtracted from Outfall 002 concentrations to compute the mass discharge at Outfall 002.

4 - Mass discharge for Onsite Groundwater (Pathway 5) is determined using calculations described in Appendix E. The lower and upper bounds on the mass discharge was calculated using the upper and lower hydraulic gradient in the Black Creek Aquifer as described in Appendix E.

5 - 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.

6 - Mass discharge by analyte is calculated based on Table 3+ concentrations in Tables A5 and A7 and 24-hour flow volumes reported in Table A6.

7 - Total PFAS mass discharge is based on the summed Total PFAS concentrations reported in Table A5 and Table A7, which are rounded to two significant figures.

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

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

Bold - Analyte detected above associated reporting limit
SOP - Standard Operating Procedure
mg/s - milligrams per second
ND - Analyte not detected above associated reporting limit.

TABLE B22
OLD OUTFALL 002 CAPTURED MASS LOAD BY COMPOUND AND TIME INTERVAL - HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details					Calculated Captured Mass Load (kg)[1]																					
Interval ID	Start Time	End Time	Duration (hours)	Total Flow (m^3)	HFPO-DA	PFMOAA	PFO2HxA	PFO3OA	PFO4DA	PFO5DA	PMPA	PEPA	PS Acid	Hydro-PS Acid	R-PSDA	Hydrolyzed PSDA	R-PSDCA	NVHOS	EVE Acid	Hydro-EVE Acid	R-EVE	PES	PFECA B	PFECA-G	Total Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
OF003_2020_1_Q4	10/1/20 0:00	10/31/20 0:00	720	90,000	0.41	5.0	1.2	0.34	0.10	0.06	0.47	0.12	0.02	0.02	0.05	0.13	0	0.05	0.00	0.02	0.02	0	0	0	7.7	7.8	8.0
OF003_2020_2_Q4	11/1/20 0:00	11/30/20 0:00	696	80,000	0.52	4.9	1.0	0.33	0.12	0.06	0.50	0.16	0.08	0.03	0.03	0.15	0	0.05	0.00	0.02	0.02	0	0	0	7.6	7.7	7.9
OF003_2020_3_Q4	12/1/20 0:00	12/31/20 0:00	720	120,000	0.53	5.9	1.4	0.34	0.11	0.07	0.55	0.17	0.10	0.04	0.08	0.24	0	0.05	0.01	0.02	0.03	0	0	0	9.2	9.3	9.7
Q4 2020 Totals	***10/1/20 0:00***	***12/31/20 0:00***	***2,136***	***290,000***	***1.5***	***16***	***3.7***	***1.0***	***0.32***	***0.19***	***1.5***	***0.45***	***0.20***	***0.09***	***0.16***	***0.52***	***0***	***0.15***	***0.01***	***0.05***	***0.06***	***0***	***0***	***0***	***24.5***	***24.8***	***25.5***
OF003_2021_1_Q1	1/1/21 0:00	1/31/21 0:00	720	120,000	0.67	4.7	1.1	0.31	0.09	0.05	0.37	0.12	0.10	0.03	0.11	0.15	0	0.04	0.01	0.02	0.03	0	0	0	7.5	7.7	7.9
OF003_2021_2_Q1	2/1/21 0:00	2/28/21 0:00	648	100,000	0.53	4.8	1.3	0.37	0.13	0.07	0.48	0.18	0.09	0.04	0.06	0.13	0	0.05	0.01	0.02	0.02	0	0	0	8.0	8.1	8.3
OF003_2021_3_Q1	3/1/21 0:00	3/31/21 0:00	720	100,000	0.75	4.4	1.2	0.32	0.10	0.06	0.45	0.17	0.11	0.03	0.07	0.17	0	0.04	0.01	0.02	0.03	0	0	0	7.5	7.5	7.9
Q1 2021 Totals	***1/1/21 0:00***	***3/31/21 0:00***	***2,088***	***320,000***	***2.0***	***14***	***3.6***	***0.99***	***0.32***	***0.17***	***1.3***	***0.46***	***0.30***	***0.10***	***0.24***	***0.45***	***0***	***0.13***	***0.02***	***0.05***	***0.08***	***0***	***0***	***0***	***23.1***	***23.3***	***24.1***

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. Refer to the Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d) for more details.

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

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

OF003 - Outfall 003, i.e., Old Outfall 002 treatment system

TABLE B23
SEEP C FLOW THROUGH CELL CAPTURED MASS LOAD BY COMPOUND AND TIME INTERVAL-HISTORICAL RESULTS
Chemours Fayetteville Works, North Carolina

Interval Details					Calculated Captured Mass Load (kg)[1]																				
Interval ID	Start Time	End Time	Duration (hours)	Total Flow (m^3)	Hfpo Dimer Acid	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 Attachment C[2]	Total Table 3+ (17 compounds)[3]	Total Table 3+ (20 compounds)
SeepC_2020_1_Q4[4]	12/17/20 12:00	12/30/20 11:00	291	5,513	0.10	0.53	0.15	0.04	0.01	0	0.05	0.02	0	0.002	0.01	0.01	0	0.005	0	0.008	0.005	0	0	0	0.88	0.93	0.93
SeepC_2020_2_Q4	12/30/20 14:00	12/31/20 13:00	24	522	0.01	0.04	0.01	0.004	0.001	0	0.005	0.002	0	0.0002	0.0004	0.001	0	0.0004	0	0.001	0.0005	0	0	0	0.07	0.07	0.07
Q4 2020 Totals	***12/17/20 12:00***	***12/31/20 13:00***	***315***	***6,035***	***0.11***	***0.57***	***0.16***	***0.05***	***0.01***	***0***	***0.05***	***0.02***	***0***	***0.00***	***0.01***	***0.01***	***0***	***0.01***	***0***	***0.01***	***0.01***	***0***	***0***	***0***	***0.95***	***1.01***	***1.01***
SeepC_2021_1_Q1	1/1/21 0:00	1/18/21 8:00	416	4,496	0.06	0.29	0.09	0.03	0.01	0	0.04	0.01	0	0.002	0.002	0.003	0	0.003	0	0.006	0.003	0	0	0	0.54	0.54	0.54
SeepC_2021_2_Q1	1/18/21 8:01	1/29/21 14:00	270	5,571	0.09	0.42	0.12	0.03	0.01	0	0.04	0.01	0	0.001	0.004	0.006	0	0.003	0	0.006	0.004	0	0	0	0.75	0.75	0.75
SeepC_2021_3_Q1	1/29/21 14:01	2/26/21 15:59	674	8,647	0.13	0.61	0.22	0.06	0.02	0	0.07	0.03	0	0.003	0.007	0.009	0	0.006	0	0.009	0.007	0	0	0	1.12	1.12	1.21
SeepC_2021_4_Q1	2/26/21 16:00	2/28/21 23:59	56	1,068	0.01	0.02	0.01	0.003	0.001	0	0.003	0.001	0	0.0002	0.0004	0.001	0	0.0003	0	0.0004	0.0004	0	0	0	0.05	0.05	0.05
SeepC_2021_5_Q1	3/1/21 0:00	3/19/21 11:59	444	11,632	0.21	0.92	0.28	0.08	0.04	0	0.10	0.04	0	0.005	0.008	0.009	0	0.009	0	0.02	0.009	0	0	0	1.63	1.74	1.74
SeepC_2021_6_Q1	3/19/21 0:00	3/31/21 23:59	312	7,632	0.12	0.63	0.20	0.06	0.02	0	0.08	0.03	0	0.003	0.007	0.008	0	0.007	0	0.009	0.007	0	0	0	1.14	1.14	1.14
Q1 2021 Totals	***1/1/21 0:00***	***3/31/21 23:59***	***2,172***	***39,047***	***0.62***	***2.9***	***0.92***	***0.27***	***0.11***	***0***	***0.33***	***0.12***	***0***	***0.01***	***0.03***	***0.04***	***0***	***0.03***	***0***	***0.05***	***0.03***	***0***	***0***	***0***	***5.23***	***5.35***	***5.43***

Notes:

1 - The calculated captured mass load is a product of the concentration difference in the influent and the effluent samples and total flow recorded at the influent for the sampling interval. Refer to the Cape Fear River PFAS Mass Loading Calculation Protocol Version 2 (Geosyntec, 2020d) for more details.

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

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

4 - Seep C was not operation for 47 hours between December 25 and 27, 2020 due to flooding.

TABLE B24
CAPE FEAR RIVER TOTAL PFAS RELATIVE MASS DISCHRAGE PER PATHWAY
Chemours Fayetteville Works, North Carolina

Pathway[1]	April 2021				May 2021				June 2021			
	Total Attachment C[2]		Total Table 3+ (20 Compounds)		Total Attachment C[2]		Total Table 3+ (20 Compounds)		Total Attachment C[2]		Total Table 3+ (20 Compounds)	
	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper
[1] Upstream River Water and Groundwater	<1%	<1%	6%	6%	7%	6%	7%	7%	3%	2%	6%	6%
[2] Willis Creek	6%	6%	6%	6%	4%	4%	5%	4%	7%	7%	8%	7%
[3] Aerial Deposition on Water Features	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
[4] Outfall 002	1%	1%	<1%	<1%	1%	1%	2%	1%	1%	1%	1%	1%
[5] Onsite Groundwater	23%	28%	20%	25%	20%	26%	18%	24%	20%	25%	17%	22%
[6] Seeps	46%	43%	44%	41%	38%	36%	41%	38%	31%	28%	30%	28%
Seeps (After Remedies)[3]	*42%[3a]*	*39%[3a]*	*40%[3a]*	*38%[3a]*	*26%[3b]*	*24%[3b]*	*27%[3b]*	*26%[3b]*	*10%[3c]*	*9%[3c]*	*9%[3c]*	*9%[3c]*
[7] Old Outfall 002	20%	19%	18%	17%	24%	22%	22%	21%	35%	32%	32%	30%
Old Outfall 002 (After Remedies)[4]	*6%*	*5%*	*5%*	*5%*	*2%*	*2%*	*2%*	*2%*	*3%*	*3%*	*2%*	*2%*
[8] Offsite Adjacent and Downstream Groundwater	<1%	<1%	2%	2%	2%	2%	3%	2%	1%	1%	2%	2%
[9] Georgia Branch Creek	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%

Notes:

< - less than indicated value.

1 - Relative contributions were calculated using the before remedies Total Attachment C and Total Table 3+ (20 compounds) model-estimated mass discharges (Tables 8A, 9A, and 10A). These relative contributions are presented as a range, which represents the upper and lower bound model estimates.

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

3 - The Seeps (After Remedies) relative contributions for April to June 2021 were calculated using the After Remedies model-estimated mass discharges at Seeps A to D, and Lock and Dam Seep (Tables 8B, 9B, and 10B). After Remedy relative contribution changes from one month to the next based on the transient implementation of the flow-through cells (FTCs) as follows:

a) April 2021 - Seep C FTC only was operational.

b) May 2021 - Seep A and C FTCs only were operational.

c) June 2021 - Seep A, B, and C FTCs only were operational.

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

Geosyntec consultants

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

APPENDIX C

Field Forms

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|BRANDON WEIDNER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	13:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-CFR-BLADEN-042021	04-20-2021 13:55		6.67	8.11	209.00	21.01	56.99	21.98	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6.5	Distance to River Right:	20
Sampling Location:	Intake	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	62
Total Depth to Bottom of Channel (ft):	13.8	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	yd

SAMPLE SET

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

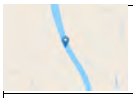
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	74.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.7723044471333
Longitude:	-78.7983047571728



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	JOHNATHAN CAUDILL|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-23-2021	Time:	11:26	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-CFR-KINGS-042321	04-23-2021 11:40		7.40	7.60	86.70	6.30	86.92	19.51	Clear	None		

Sampling Data

Sampling Method:		Tubing Depth (ft):		Distance to River Right:	72
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	41
Total Depth to Bottom of Channel (ft):	15.3	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	yd

SAMPLE SET

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

ALL PARAMETERS ANALYZED

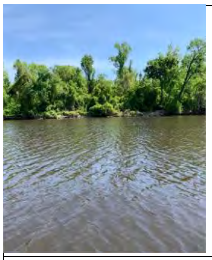
Table 3+ (21)(LL) Including HFPO-DA and PFHpA; 537 MOD (HOLD)

WEATHER CONDITIONS

Temperature (F):	60.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.4064842419511
Longitude:	-78.2948446728578

GPS Location (if collected)



River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	09:10	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-CFR-RM-76-042021	4/20/2021 9:30		7.72	7.09	50.40	6.15	113.97	18.35	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	11	Distance to River Right:	15
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	72
Total Depth to Bottom of Channel (ft):	22.3	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	yd

SAMPLE SET

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

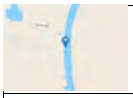
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	56.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	2

Latitude:	34.8543890849171
Longitude:	-78.8271163948638



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|BRANDON WEIDNER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	14:30	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-CFR-TARHEEL-042021	04-20-2021 15:00		7.11	8.00	121.90	12.43	82.21	20.96	Cleae	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8	Distance to River Right:	16
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	62
Total Depth to Bottom of Channel (ft):	16	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	yd

SAMPLE SET

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

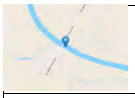
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	74.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.7442738202895
Longitude:	-78.7852889364621



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-22-2021	Time:	16:28	General Comments:	A five hour composite sample: CAP0421-CFR-TARHEEL-5-042121 was also collected. It ran from 10:48 4-21-21 to 14:48 4-21-21, with a sample time of 14:48.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-CFR-TARHEEL-24-042221	04-22-2021 13:20		6.21	8.46	357.80	16.44	87.34	17.51	None	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-21-2021 14:20	Multi Meter ID:	706682
ISCO End Date and Time:	04-22-2021 13:20		

SAMPLE SET

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

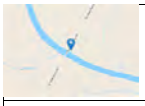
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.7449576891892
Longitude:	-78.7850864763733



GPS Location (if collected)

Isco placement

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	12:00	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-GBC-1-042021	04-20-2021	12:15	5.54	8.11	226.20	20.05	104.35	18.90	--	--		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	
		Multi Meter ID:	706682	Flow Rate Units:	

SAMPLE SET

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

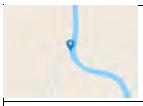
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	72.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.8149076865244
Longitude:	-78.821350307066



GPS Location (if collected)

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

Sample location

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	BEN KRAUSE|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-30-2021 Time: 10:10

WATER VOLUME CALCULATION

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

Water Volume = 2.106

Initial Depth to Water (ft.): 15.86 Depth to Well Bottom (ft.): 29.02

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:27	16.50	350.00	1750.00	3.31	0.09	473.70	6.39	140.31	17.25	Clear	None	
10:32	16.54	350.00	1750.00	3.2	0.07	474.30	5.73	135.54	17.04	Clear	None	
10:37	16.56	350.00	1750.00	3.24	0.09	462.00	5.35	130.50	17.00	Clear	No	
10:42	16.54	350.00	1750.00	3.26	0.10	457.30	10.81	129.87	16.99	Clear	None	
10:47	16.54	350.00	1750.00	3.27	0.12	453.70	29.40	128.89	16.95	Clear	None	
10:52	16.54	350.00	1750.00	3.28	0.13	449.80	30.70	129.85	16.99	Clear	None	
10:57	16.53	350.00	1750.00	3.31	0.17	444.00	0.16	126.93	16.95	Clear	None	Emptied flow through cell to clear turbidity
11:02	16.53	350.00	1750.00	3.34	0.15	440.60	0.15	126.37	16.85	Clear	None	
11:07	16.53	350.00	1750.00	3.35	0.14	440.70	0.22	126.20	16.51	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-30-2021 Time: 11:10
Field Filtered: No

Purge Start Time: 10:22
Total Volume Purged (mL): 15750

Field Parameters

STABILIZED PARAMETERS	
pH	3.35
Spec. Cond.(µS/cm)	126.20
Turbidity (NTU)	0.22
Temp.(°C)	16.51
DO (mg/L)	0.14
ORP (mV)	440.70

Screen Interval: 11.0-26.0

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

Sample ID: CAP0421-LTW-01-043021
DuplicateID: NA
QA/QC: NA

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

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

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-02	Well Diameter:	2 Inches
Samplers:	JELANI GILL|MARK GUERRA	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 32
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-29-2021 Time: 12:35

WATER VOLUME CALCULATION

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

Water Volume = 4.981

Initial Depth to Water (ft.): 9.52 Depth to Well Bottom (ft.): 40.65

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:50	9.60	200.00	-1200.00	4.4	3.34	72.50	12.17	50.53	21.01	Clear	No	
12:55	9.60	200.00	1000.00	4.26	3.33	77.10	8.86	50.56	20.64	Clear	No	
13:00	9.60	200.00	1000.00	4.22	3.28	82.40	12.49	50.52	20.55	Clear	No	
13:05	9.60	200.00	1000.00	4.2	1.26	81.90	8.42	51.37	20.69	Clear	No	
13:10	9.60	200.00	1000.00	4.56	0.37	44.00	11.42	63.41	20.96	Clear	No	
13:15	9.60	200.00	1000.00	4.63	0.25	27.30	11.73	63.65	20.43	Clear	No	
13:20	9.60	200.00	1000.00	4.74	0.19	-0.70	16.71	67.40	20.34	Clear	No	
13:25	9.60	200.00	1000.00	4.85	0.14	-30.40	12.12	67.13	21.11	Clear	No	
13:30	9.60	200.00	1000.00	4.82	0.13	-44.80	45.60	67.73	21.24	Clear	No	
13:35	9.60	200.00	1000.00	4.82	0.18	-48.80		66.07	21.33	Clear	No	
13:45	9.60	200.00	2000.00									Issue with in situ not connecting and/or reading. Begin troubleshooting
14:00			0.00									Stopped purge as insitu would not connect, will switch in situ
15:15	9.60	160.00	12000.00	4.3	0.36	219.20	2.30	59.91	22.47	Clear	No	
15:20	9.60	160.00	800.00	4.29	0.28	213.50	2.33	60.13	22.67	Clear	No	
15:25	9.60	160.00	800.00	4.27	0.38	206.70	2.14	58.83	22.84	Clear	No	
15:30	9.60	160.00	800.00	4.3	0.13	188.70	1.94	61.26	22.74	Clear	No	
15:35	9.60	160.00	800.00	4.32	0.11	179.10	1.78	59.78	22.79	Clear	No	
15:41	9.60	160.00	960.00	4.34	0.14	170.80	1.78	60.03	22.78	Clear	No	
15:45	9.60	160.00	640.00	4.38	0.09	161.70	2.43	62.63	22.24	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-29-2021 Time: 15:50
Field Filtered: No

Purge Start Time: 12:56
Total Volume Purged (mL): 26600

Field Parameters

STABILIZED PARAMETERS	
pH	4.38
Spec. Cond.(µS/cm)	62.63
Turbidity (NTU)	2.43
Temp.(°C)	22.24
DO (mg/L)	0.09
ORP (mV)	161.70

Screen Interval: 28.0-38.0

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

Sample ID: CAP0421-LTW-02-042921
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

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

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-22-2021 Time: 12:22

WATER VOLUME CALCULATION

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

Water Volume = 2.738

Initial Depth to Water (ft.): 12.89 Depth to Well Bottom (ft.): 30

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:40	13.42	200.00	3000.00	4.46	0.07	247.80	12.16	91.38	17.21	Clear	None	
12:45	13.46	200.00	1000.00	4.42	0.06	264.60	6.58	90.81	17.25	Clear	None	
12:50	13.50	200.00	1000.00	4.4	0.06	274.40	5.55	91.22	17.28	Clear	None	
12:55	13.55	200.00	1000.00	4.42	0.06	277.60	3.10	90.87	17.37	Clear	None	

Sampling Data

Zero HS:
Method: Low Flow Date: 04-22-2021 Time: 12:55
Field Filtered: No

Purge Start Time: 12:25
Total Volume Purged (mL): 6000

Field Parameters

STABILIZED PARAMETERS	
pH	4.42
Spec. Cond.(µS/cm)	90.87
Turbidity (NTU)	3.10
Temp.(°C)	17.37
DO (mg/L)	0.06
ORP (mV)	277.60

Screen Interval: 15.0-30.0

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

Sample ID: CAP0421-LTW-03-042221
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 547 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-04	Well Diameter:	2 Inches
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 18
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-22-2021 Time: 9:58

WATER VOLUME CALCULATION

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

Water Volume = 2.6

Initial Depth to Water (ft.): 10.75 Depth to Well Bottom (ft.): 27

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:50	11.98	80.00	400.00	4.08	0.85	341.30	5.29	98.94	14.03	None	None	
10:55	11.93	80.00	400.00	4.08	0.83	339.90	7.42	98.65	13.37	None	None	
11:00	11.91	80.00	400.00	4.08	0.80	340.80	4.15	98.50	13.41	None	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-22-2021 Time: 11:00
Field Filtered: No

Purge Start Time: 10:45
Total Volume Purged (mL): 1200

Field Parameters

STABILIZED PARAMETERS	
pH	4.08
Spec. Cond.(µS/cm)	98.50
Turbidity (NTU)	4.15
Temp.(°C)	13.41
DO (mg/L)	0.80
ORP (mV)	340.80

Screen Interval: 12.0-27.0

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

Sample ID: CAP0421-LTW-04-042221
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	53.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-05	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 29ft
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-27-2021 Time: 14:30

WATER VOLUME CALCULATION

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

Water Volume = 5.47

Initial Depth to Water (ft.): 10.41 Depth to Well Bottom (ft.): 44

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:55	10.61	300.00	3000.00	3.44	0.44	377.00	29.10	116.51	19.44	Cloudy	No	
15:00	10.59	300.00	1500.00	3.45	0.33	367.50	42.64	114.91	19.85	Cloudy	No	
15:05	10.57	300.00	1500.00	3.51	0.22	357.80	54.54	113.82	19.23	Cloudy	No	Cleared out cell
15:10	10.59	300.00	1500.00	3.55	0.18	363.50	1.74	114.68	19.86	Clear	No	
15:15	10.59	300.00	1500.00	3.59	0.17	350.90	1.39	114.19	20.14	Clear	No	
15:20	10.59	300.00	1500.00	3.62	0.17	341.20	4.29	114.22	19.73	Clear	No	

Sampling Data

Zero HS:
Method: Low Flow Date: 04-27-2021 Time: 15:30
Field Filtered: No

Purge Start Time: 14:45
Total Volume Purged (mL): 10500

Field Parameters

STABILIZED PARAMETERS	
pH	3.62
Spec. Cond.(µS/cm)	114.22
Turbidity (NTU)	4.29
Temp.(°C)	19.73
DO (mg/L)	0.17
ORP (mV)	341.20

Screen Interval: 29.0-44.0

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0421-LTW-05-042721
DuplicateID: CAP0421-LTW-05-042721-D
QA/QC: Dup|MS|Rep

WEATHER CONDITIONS	
Temperature (F):	81.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	13

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	Brandon Weidner, Jelani Gill	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/20/2021	Time:	10:30	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-OLDOF-1-24-042121	4/21/2021 8:18		5.06	8.64	196.40	5.46	238.77	20.11	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/21 9:18	Multi Meter ID:	706770
ISCO End Date and Time:	4/21/2021 8:18		

SAMPLE SET

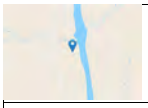
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	74
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.8317723
Longitude:	-78.8237681



GPS Location (if collected)

Sample point looking downstream.

Sample point looking upstream.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	10:30	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-OUTFALL-002-24-042121	4/21/2021 7:48		6.41	9.02	219.90	3.17	124.08	19.87	Clear	No	DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/2021 8:48	Multi Meter ID:	706751
ISCO End Date and Time:	4/21/2021 7:48		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:
Longitude:

GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

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

Samplers: ALLISON HARRIS|BRANDON WEIDNER | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 27

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-16-2021 | Time: 08:25

WATER VOLUME CALCULATION

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

Water Volume = 2.354

Initial Depth to Water (ft.): 17.01 | Depth to Well Bottom (ft.): 31.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
08:55	17.15	230.00	2300.00	3.55	0.12	330.70	50.05	172.10	16.15	Cloudy	No	
09:00	17.15	230.00	1150.00	3.57	0.08	323.40	67.47	171.95	16.48	Cloudy	No	
09:05	17.15	230.00	920.00	3.56	0.05	332.20	35.52	172.26	16.38	Cloudy	No	
09:10	17.15	230.00	1150.00	3.56	0.05	318.80	35.85	172.18	16.36	Cloudy	No	
09:15	17.15	230.00	1150.00	3.56	0.05	331.10	12.32	171.81	16.46	Clear	No	
09:20	17.15	230.00	1150.00	3.56	0.05	339.50	11.07	171.94	16.50	Clear	No	
09:25	17.15	230.00	1150.00	3.56	0.04	341.00	6.76	171.69	16.56	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 04-16-2021 | Time: 09:30

Field Filtered: No

Purge Start Time: 08:45

Total Volume Purged (mL): 8970

Field Parameters

STABILIZED PARAMETERS	
pH	3.56
Spec. Cond.(µS/cm)	171.69
Turbidity (NTU)	6.76
Temp.(°C)	16.56
DO (mg/L)	0.04
ORP (mV)	341.00

Screen Interval: 24.5 to 29.5

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

Sample ID: CAP0421-PIW-1D-041621

DuplicateID: NA

QA/QC: NA

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	50.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-16-2021 Time: 09:45

WATER VOLUME CALCULATION

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

Water Volume = 0.29

Initial Depth to Water (ft.): 20.14 Depth to Well Bottom (ft.): 21.95

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			
10:00	20.42	100.00	1000.00	4.18	2.58	402.20	82.68	111.95	15.78	Cloudy	No	
10:05	20.48	100.00	500.00	4.24	2.67	378.70	48.45	110.22	15.57	Cloudy	No	
10:10	20.56	100.00	500.00	4.25	2.56	375.00	19.91	110.78	15.26	Cloudy	No	
10:15	20.62	100.00	500.00	4.21	2.52	376.50	6.63	114.41	15.04	Clear	No	
10:20	20.71	100.00	500.00	4.19	2.56	373.90	4.45	119.60	15.18	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-16-2021 Time: 10:25
Field Filtered: No

Purge Start Time: 09:50
Total Volume Purged (mL): 3000

Field Parameters

STABILIZED PARAMETERS	
pH	4.19
Spec. Cond.(µS/cm)	119.60
Turbidity (NTU)	4.45
Temp.(°C)	15.18
DO (mg/L)	2.56
ORP (mV)	373.90

Screen Interval: 7.8 - 17.8

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0421-PIW-1S-041621
DuplicateID: NA
QA/QC: NA

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	JELANI GILL|MARK GUERRA	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-29-2021 Time: 11:35

WATER VOLUME CALCULATION

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

Water Volume = 1.2

Initial Depth to Water (ft.): 16.61 Depth to Well Bottom (ft.): 24

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:50	16.78	200.00	0.00	4	0.36	34.20	8.99	86.52	20.10	Clear	No	
11:55	16.79	200.00	1000.00	3.72	0.20	2.00	6.56	86.67	19.86	Clear	No	
12:00	16.79	200.00	1000.00	3.65	0.13	-13.20	4.78	86.18	19.60	Clear	No	
12:05	16.79	200.00	1000.00	3.65	0.13	-15.70	4.74	85.93	19.42	Clear	No	
12:10	16.79	200.00	1000.00	3.66	0.14	-23.70	4.55	86.02	19.44	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-29-2021 Time: 12:15
Field Filtered: No

Purge Start Time: 11:50
Total Volume Purged (mL): 4000

Field Parameters

STABILIZED PARAMETERS	
pH	3.66
Spec. Cond.(µS/cm)	86.02
Turbidity (NTU)	4.55
Temp.(°C)	19.44
DO (mg/L)	0.14
ORP (mV)	-23.70

Screen Interval: 19 - 24

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

Sample ID: CAP0421-PIW-3D-042921
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

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

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7D	Well Diameter:	2 Inches
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 32
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-22-2021 Time: 7:20

WATER VOLUME CALCULATION

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

Water Volume = 4.253

Initial Depth to Water (ft.): 7.42 Depth to Well Bottom (ft.): 34

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			
08:00	7.42	160.00	1440.00	4.11	1.65	299.60	12.66	85.66	13.56	None	None	
08:05	7.42	160.00	800.00	4.15	1.51	325.50	6.01	86.12	13.70	None	None	
08:10	7.42	160.00	800.00	4.15	1.29	325.40	6.84	87.89	13.98	None	None	
08:15	7.42	160.00	800.00	4.14	1.07	322.20	1.92	89.35	13.21	None	None	
08:20	7.42	160.00	800.00	4.13	0.99	328.90	2.04	89.52	14.00	None	None	
08:25	7.42	160.00	800.00	4.12	0.68	327.10	1.02	93.77	13.79	None	None	
08:30	7.42	160.00	800.00	4.13	0.64	320.90	0.84	93.32	13.93	None	None	
08:35	7.42	160.00	800.00	4.14	0.54	316.10	0.33	94.20	14.03	None	None	
08:40	7.42	160.00	800.00	4.13	0.52	312.40	0.25	95.14	14.12	None	None	
08:45	7.42	160.00	800.00	4.14	0.44	299.80	0.15	97.59	14.07	None	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-22-2021 Time: 08:45
Field Filtered: No

Purge Start Time: 7:51
Total Volume Purged (mL): 8640

Field Parameters

STABILIZED PARAMETERS	
pH	4.14
Spec. Cond.(µS/cm)	97.59
Turbidity (NTU)	0.15
Temp.(°C)	14.07
DO (mg/L)	0.44
ORP (mV)	299.80

Screen Interval: 29 - 34

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

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

Sample ID: CAP0421-PIW-7D-042221
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	43.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7S	Well Diameter:	2 Inches
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 15
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-22-2021 Time: 07:35

WATER VOLUME CALCULATION

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

Water Volume = 1.608

Initial Depth to Water (ft.): 6.95 Depth to Well Bottom (ft.): 17

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			
08:00	7.24	130.00	1430.00	4.83	0.16	139.90	10.13	131.22	12.57	Clear	None	
08:05	7.26	130.00	650.00	4.83	0.12	141.30	12.70	131.14	12.81	Clear	None	
08:10	7.28	130.00	650.00	4.83	0.10	144.20	8.50	130.90	13.10	Clear	None	
08:15	7.30	130.00	650.00	4.86	0.09	142.30	9.25	128.84	12.48	Clear	None	
08:20	7.31	130.00	650.00	4.88	0.09	133.10	8.75	127.03	13.01	Clear	None	
08:25	7.32	130.00	650.00	4.95	0.08	112.40	4.31	127.23	13.19	Clear	None	
08:30	7.33	130.00	650.00	5.01	0.08	111.40	4.20	122.23	12.90	Clear	None	
08:35	7.33	130.00	650.00	4.9	0.09	112.10	4.50	122.23	12.90	Clear	None	
08:40	7.33	130.00	650.00	5.05	0.08	112.37	4.30	121.56	13.05	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-22-2021 Time: 08:40
Field Filtered: No

Purge Start Time: 07:49
Total Volume Purged (mL): 6630

Field Parameters

STABILIZED PARAMETERS	
pH	5.05
Spec. Cond.(µS/cm)	121.56
Turbidity (NTU)	4.30
Temp.(°C)	13.05
DO (mg/L)	0.08
ORP (mV)	112.37

Screen Interval: 7 - 17

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

Sample ID: CAP0421-PIW-7S-042221
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	43.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

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

Samplers: BRANDON WEIDNER|MARK GUERRA | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 23.2

Pump Loc: within screen

Method: Peristaltic Pump | Date: 04-14-2021 | Time: 11:55

WATER VOLUME CALCULATION

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

Water Volume = 1.186

Initial Depth to Water (ft.): 23.39 | Depth to Well Bottom (ft.): 30.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:15	24.77	100.00	1000.00	3.12	0.19	469.90	3.24	314.30	20.73	Clear	None	
12:20	25.37	100.00	500.00	3.19	0.14	462.20	4.37	300.93	21.54	Clear	None	
12:25	28.68	100.00	500.00	3.26	0.16	458.90	3.69	301.76	21.79	Clear	None	
12:30	26.01	100.00	500.00	3.32	0.16	449.20	2.58	283.83	21.56	Clear	None	
12:35	26.26	100.00	500.00	3.37	0.13	439.10	1.89	267.54	21.75	Clear	None	
12:40	26.51	100.00	500.00	3.44	0.19	421.90	1.55	236.56	22.01	Clear	None	
12:45	26.75	100.00	500.00	3.51	0.17	400.30	1.31	217.46	21.75	Clear	None	
12:50	26.74	100.00	500.00	3.51	0.16	399.00	1.38	219.65	22.55	Clear	None	

Sampling Data

Zero HS:

Method: Low Flow | Date: 04-14-2021 | Time: 12:55

Field Filtered: No

Purge Start Time: 12:05

Total Volume Purged (mL): 4500

Field Parameters

STABILIZED PARAMETERS	
pH	3.51
Spec. Cond.(µS/cm)	219.65
Turbidity (NTU)	1.38
Temp.(°C)	22.55
DO (mg/L)	0.16
ORP (mV)	399.00

Screen Interval: 17 - 27

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

Sample ID: CAP0421-PW-04-041421

DuplicateID:

QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	74.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Water Quality Condition:

Water Clarity:

Water Color:

Water Odor:

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 25
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-14-2021 Time: 09:55

WATER VOLUME CALCULATION

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

Water Volume = 1.76

Initial Depth to Water (ft.): 18.15 Depth to Well Bottom (ft.): 29

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:10	19.28	260.00	1300.00	4.59	2.35	196.50	0.00	40.65	17.15	Clear	None	
10:15	19.36	260.00	1300.00	4.49	2.64	206.00	0.00	41.58	17.14	Clear	None	
10:20	19.45	260.00	1300.00	4.56	3.17	209.30	0.00	42.03	17.16	Clear	None	
10:25	19.49	260.00	1300.00	4.54	3.17	204.50	0.00	43.83	17.23	Clear	None	
10:30	19.51	260.00	1300.00	4.51	3.44	220.30	0.01	43.88	17.20	Clear	None	

Sampling Data

Zero HS:
Method: Low Flow Date: 04-14-2021 Time: 10:35
Field Filtered: No

Purge Start Time: 10:05
Total Volume Purged (mL): 6500

Field Parameters

STABILIZED PARAMETERS	
pH	4.51
Spec. Cond.(µS/cm)	43.88
Turbidity (NTU)	0.01
Temp.(°C)	17.20
DO (mg/L)	3.44
ORP (mV)	220.30

Screen Interval: 19 - 29

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

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

Sample ID: CAP0421-PW-06-041421
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Water Quality Condition:	
Water Clarity:	
Water Color:	
Water Odor:	

RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 33
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-14-2021 Time: 10:55

WATER VOLUME CALCULATION

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

Water Volume = 2.203

Initial Depth to Water (ft.): 28.62 Depth to Well Bottom (ft.): 42.39

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:15	28.79	190.00	950.00	4.42	7.09	335.00	1.06	24.35	20.20	Clear	None	
11:20	28.79	190.00	950.00	4.34	7.14	342.20	0.84	24.26	19.99	Clear	None	
11:25	28.79	190.00	950.00	4.45	7.16	340.60	0.85	24.06	20.27	Clear	None	

Sampling Data

Zero HS:
Method: Low Flow Date: 04-14-2021 Time: 11:30
Field Filtered: No

Purge Start Time: 11:10
Total Volume Purged (mL): 2850

Field Parameters

STABILIZED PARAMETERS	
pH	4.45
Spec. Cond.(µS/cm)	24.06
Turbidity (NTU)	0.85
Temp.(°C)	20.27
DO (mg/L)	7.16
ORP (mV)	340.60

Screen Interval: 28 - 38

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

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

Sample ID: CAP0421-PW-07-041421
DuplicateID:
QA/QC:

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

Water Quality Condition:	
Water Clarity:	
Water Color:	
Water Odor:	

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-09	Well Diameter:	2 Inches
Samplers:	MARK GUERRA|MATT SCHEUER	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 50
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-13-2021 Time: 11:45

WATER VOLUME CALCULATION

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

Water Volume = 5.434

Initial Depth to Water (ft.): 24.42 Depth to Well Bottom (ft.): 58.38

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:00	25.24	180.00	900.00	9.95	1.51	-0.90	6.41	253.21	19.62	Clearish	Na	-
12:05	25.53	180.00	900.00	9.92	1.36	0.60	5.43	222.93	19.69	Clearish	Na	-
12:10	25.81	180.00	900.00	9.91	1.10	2.80	4.50	162.09	19.32	Clearish	Na	-
12:15	25.95	180.00	900.00	10.5	0.30	-59.60	0.44	278.56	19.34	Clearish	Na	-
12:20	26.06	180.00	900.00	10.68	0.19	-107.80	1.05	302.03	19.23	Clearish	Na	-
12:25	26.10	150.00	750.00	11.03	0.22	-103.30	2.36	678.60	19.25	C,earish	Na	-
12:30	26.18	150.00	750.00	11.18	0.18	-104.60	4.42	678.08	19.42	Clearish	Na	-
12:35	26.11	150.00	750.00	11.26	0.24	-103.60	9.01	637.42	19.42	Clearish	Na	-
12:40	26.09	150.00	600.00	11.22	0.21	-107.40	9.74	628.79	19.48	Clearish	Na	-

Sampling Data

Zero HS:
Method: Low Flow Date: 04-13-2021 Time: 12:45
Field Filtered: No

Purge Start Time: 11:55
Total Volume Purged (mL): 7350.00

Field Parameters

STABILIZED PARAMETERS	
pH	11.22
Spec. Cond.(µS/cm)	628.79
Turbidity (NTU)	9.74
Temp.(°C)	19.48
DO (mg/L)	0.21
ORP (mV)	-107.40

Screen Interval: 44 - 54

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

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

Sample ID: CAP0421-PW-09-041321
DuplicateID: -
QA/QC: -

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	.75 Inches
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 44
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-22-2021 Time: 10:20

WATER VOLUME CALCULATION

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

Water Volume = 0.333

Initial Depth to Water (ft.): 10.51 Depth to Well Bottom (ft.): 47.5

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45		100.00	400.00	4.52	0.19	132.10	9.54	91.37	14.35	Clear	None	
10:50		100.00	500.00	4.48	0.17	151.80	0.00	89.81	15.29	Clear	No	
10:55		100.00	500.00	4.48	0.21	159.40	0.00	89.58	15.12	Clear	None	
11:00		100.00	500.00	4.48	0.17	163.40	0.00	89.26	15.32	Clear	No	
11:05		100.00	500.00	4.47	0.17	164.10	0.00	89.25	15.20	Clear	None	
11:10		100.00	500.00	4.47	0.17	167.80	0.00	89.46	15.45	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-22-2021 Time: 11:10
Field Filtered: No

Purge Start Time: 10:41
Total Volume Purged (mL): 2900

Field Parameters

STABILIZED PARAMETERS	
pH	4.47
Spec. Cond.(µS/cm)	89.46
Turbidity (NTU)	0.00
Temp.(°C)	15.45
DO (mg/L)	0.17
ORP (mV)	167.80

Screen Interval: 36.0-46.0

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

Sample ID: CAP0421-PZ-22-042221
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	51.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE2	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|JELANI GILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	04-20-2021	Time:	15:15	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-042121	04-21-2021 07:06		6.60	7.78	206.50	13.18	123.15	24.87	Clear	No	MS|REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-20-2021 08:06	Multi Meter ID:	706770
ISCO End Date and Time:	04-21-2021 07:06		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

Latitude:
Longitude:

GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-1	Project Manager:	Tracy Ovbey
Samplers:	Charles Pace, Jelani Gill	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/22/2021	Time:	13:00	General Comments:	A grab sample: CAP0421-SEEP-A-1-042121 was taken at 10:50. When it was discorved that the ISCO set to start on 4/20/21 malfunctioned and did not collect a sample.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-SEEP-A-1-6-042121	4/21/2021 18:00		4.63	7.96	301.30	12.49	117.18	23.26	Clear	No		ISCO intake line became exposed due to draw down of water level when pump around pump turned on overnight.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/21/2021 13:00	Multi Meter ID:	706770
ISCO End Date and Time:	4/21/2021 18:00		

SAMPLE SET

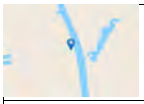
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	73
Sky:	Cloudy
Precipitation:	None
Wind (mph)	8

Latitude:	34.8451685
Longitude:	-78.8253238



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-1	Project Manager:	Tracy Ovbey
Samplers:	Chris McGinness, Johnathen Caudill	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/20/2021	Time:	9:00	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-SEEP-B-1-23-042121	4/21/2021 7:36		4.66	8.22	207.70	63.56	96.12	16.38	Clear	No		Intake line was exposed for one cycle, issue was corrected and no further issues occurred.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/2021 8:36	Multi Meter ID:	706751
ISCO End Date and Time:	4/21/2021 7:36		

SAMPLE SET

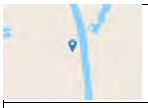
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	65.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	15

Latitude:	34.8419888
Longitude:	-78.8252119



GPS Location (if collected)

Looking upstream.

Looking downstream

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-1	Project Manager:	Tracy Ovbey
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/20/2021	Time:	12:50	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-SEEP-C-1-20-042121	4/21/2021 7:54		6.27	3.19	187.60	2.79	74.72	21.31	Clear	No		Intake line was exposed for first four cycles, issue was corrected and no further issues occurred.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/2021 8:54	Multi Meter ID:	706751
ISCO End Date and Time:	4/21/2021 7:54		

SAMPLE SET

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

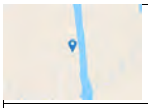
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	14

Latitude:	34.8384614
Longitude:	-78.8245504



GPS Location (if collected)

Sample collection point

Upstream from isco placement

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-1	Project Manager:	Tracy Ovbey
Samplers:	CHRIS MCGINNESS|JOHNATHAN CAUDILL|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/20/2021	Time:	14:16	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-SEEP-D-1-23-042121	4/21/2021 8:00		6.52	7.30	25.90	12.39	85.98	20.62	Clear	No		Missed one cycle due to intake line becoming exposed. Was corrected and no further issues occurred.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/2021 9:00	Multi Meter ID:	706751
ISCO End Date and Time:	4/21/2021 8:00		

SAMPLE SET

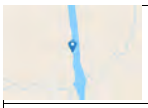
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	74.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.8371138999384
Longitude:	-78.8236936602224



GPS Location (if collected)

Downstream of Isco

Upstream from Isco

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	BRANDON WEIDNER|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 49
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-27-2021 Time: 15:12

WATER VOLUME CALCULATION

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

Water Volume = 3.683

Initial Depth to Water (ft.): 29.03 Depth to Well Bottom (ft.): 52.05

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
15:35	29.05	210.00	1050.00	4.63	0.10	48.10	65.73	88.25	20.00	Cloudy	None	
15:40	29.05	210.00	1050.00	4.55	0.08	41.80	31.98	84.48	20.30	Cloudy	None	
15:45	29.05	210.00	1050.00	4.56	0.08	36.70	26.42	82.28	20.40	Clear	None	
15:50	29.05	210.00	1050.00	4.67	0.07	25.60	19.41	81.57	20.15	Clear	None	
15:55	29.05	210.00	1050.00	4.76	0.07	17.80	14.16	81.25	20.26	Clear	None	
16:00	29.05	210.00	1050.00	4.85	0.06	6.20	18.58	81.19	20.09	Clear	None	
16:05	29.05	210.00	1050.00	4.85	0.06	7.10	14.56	80.59	20.33	Clear	None	
16:10	29.05	210.00	1050.00	4.89	0.06	2.70	13.32	80.79	20.33	Clear	None	
16:15	29.05	210.00	1050.00	4.92	0.06	-1.20	8.67	80.09	20.12	Clear	None	
16:20	29.05	210.00	1050.00	4.94	0.05	-3.80	7.46	80.16	19.83	Clear	None	
16:25	29.05	210.00	1050.00	4.95	0.05	-5.40	4.57	80.07	19.86	Clear	None	
16:30	29.05	210.00	1050.00	4.99	0.05	-8.80	6.30	79.70	19.86	Clear	None	
16:35	29.05	210.00	1050.00	5.03	0.05	-12.10	5.39	79.43	19.65	Clear	None	
16:40	29.05	210.00	1050.00	5.07	0.05	-14.70	3.74	79.35	19.77	Clear	None	
16:45	29.05	210.00	1050.00	5.1	0.05	-16.60	3.66	79.18	19.54	Clear	None	
16:50	29.05	210.00	1050.00	5.15	0.05	-20.50	6.12	79.02	19.73	Clear	None	
16:55	29.05	210.00	1050.00	5.18	0.05	-22.40	3.50	79.22	18.97	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 04-27-2021 Time: 17:00
Field Filtered: No

Purge Start Time: 15:30
Total Volume Purged (mL): 17850

Field Parameters

STABILIZED PARAMETERS	
pH	5.18
Spec. Cond.(µS/cm)	79.22
Turbidity (NTU)	3.50
Temp.(°C)	18.97
DO (mg/L)	0.05
ORP (mV)	-22.40

Screen Interval: 39 to 49

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

Sample ID: CAP0421-SMW-10-042721
DuplicateID: NA
QA/QC: NA

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	74.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Water Quality Condition:	NA
Water Clarity:	NA
Water Color:	NA
Water Odor:	NA

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	MARK GUERRA|MATT SCHEUER	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 18
Pump Loc: within screen
Method: Peristaltic Pump Date: 04-13-2021 Time: 13:25

WATER VOLUME CALCULATION

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

Water Volume = 2.243

Initial Depth to Water (ft.): 11.82 Depth to Well Bottom (ft.): 25.84

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:50	11.86	200.00	1000.00	4.96	5.72	44.60	0.68	31.02	16.33	Clearish	Na	-
13:55	11.87	200.00	1000.00	4	5.64	46.10	0.06	31.26	15.90	Clearish	Na	-
14:00	11.86	200.00	1000.00	3.94	5.67	49.00	0.04	31.12	15.61	Clearish	Na	-
14:05	11.87	200.00	1000.00	3.97	5.62	51.80	2.65	30.98	15.91	Clearish	Na	-
14:10	11.87	200.00	1000.00	3.97	5.66	61.90	3.14	31.33	15.72	Clearish	Na	-
14:15	11.86	200.00	1000.00	3.97	5.66	77.50	4.69	31.72	15.73	Clearish	Na	-
14:20	11.87	200.00	1000.00	4	5.67	81.90	4.54	31.87	15.93	Clearish	Na	-
14:25	11.87	200.00	1000.00	4.06	5.64	106.90	11.76	31.87	15.72	Clearish	Na	-
14:30	11.86	200.00	1000.00	3.97	5.62	129.40	17.93	30.83	15.98	Clearish	Na	-
14:35	11.87	175.00	875.00	4	5.65	146.50	30.32	32.21	16.37	CleDish	Na	-
14:40	11.87	175.00	875.00	4.06	5.59	163.20	38.30	32.05	16.67	Clearish	Na	-
14:45	11.86	175.00	875.00	4.13	5.58	170.80	50.04	30.95	16.57	Clearish	Na	-
14:50	11.97	500.00	2500.00	4.15	5.81	186.90	66.62	31.36	14.91	Clearish	Na	-
14:55	11.97	500.00	2500.00	4.18	5.80	199.99	0.16	32.28	15.01	Clearish	Na	Emptied and cleared out the flow cell between the previous reading and this current one.
15:00	11.89	250.00	1250.00	4.25	5.72	209.10	0.00	33.97	16.01	Clearish	Na	-
15:05	11.90	250.00	1250.00	4.32	5.66	210.20	0.00	32.28	15.87	Clearish	Na	-
15:10	11.90	250.00	1250.00	4.35	5.69	215.90	0.00	32.06	15.81	Clearish	Na	-
15:15	11.89	250.00	1250.00	4.34	5.71	220.90	0.00	32.08	15.75	Clearish	Na	-
15:20	11.89	250.00	1250.00	4.38	5.69	225.20	0.00	31.68	15.50	Clearish	Na	-
15:25	11.89	250.00	1250.00	4.37	5.70	233.30	0.00	32.25	15.66	Clearish	Na	-

Sampling Data

Zero HS:
Method: Low Flow Date: 04-13-2021 Time: 15:33
Field Filtered: No

Purge Start Time: 13:45
Total Volume Purged (mL): 24125

Field Parameters

STABILIZED PARAMETERS	
pH	4.37
Spec. Cond.(µS/cm)	32.25
Turbidity (NTU)	0.00
Temp.(°C)	15.66
DO (mg/L)	5.70
ORP (mV)	233.30

Screen Interval: 13 to 23

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

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

Sample ID: CAP0421-SMW-11-041321
DuplicateID: -
QA/QC: -

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: SMW-12 | Well Diameter: 2 Inches

Samplers: ALLISON HARRIS|BRANDON WEIDNER | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 95

Pump Loc: within screen

Method: Double valve pump | Date: 04-15-2021 | Time: 09:50

WATER VOLUME CALCULATION

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

Water Volume = 3.232

Initial Depth to Water (ft.): 81.81 | 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			
12:00	81.86	200.00	2000.00	3.64	1.68	309.40	70.26	214.68	17.91	Cloudy	None	
12:05	81.88	200.00	1000.00	3.67	1.55	335.60	74.56	218.18	17.82	Cloudy	None	
12:10	81.86	200.00	1000.00	3.7	1.50	316.10	67.54	216.50	17.77	Cloudy	None	
12:15	81.89	200.00	1000.00	3.71	1.39	302.10	62.06	215.98	17.71	Cloudy	None	
12:20	81.84	200.00	1000.00	3.72	1.25	295.80	56.05	216.12	17.62	Cloudy	None	
12:25	81.84	200.00	1000.00	3.72	1.19	290.50	47.38	217.13	17.60	Cloudy	None	
12:30	81.85	200.00	1000.00	3.72	1.13	285.30	47.07	217.83	17.64	Cloudy	None	
12:35	81.84	200.00	1000.00	3.73	1.12	280.60	39.15	217.51	18.66	Cloudy	None	
12:40	81.85	200.00	1000.00	3.72	1.16	277.80	51.81	218.35	17.41	Cloudy	None	
12:45	81.85	200.00	1000.00	3.71	0.84	120.00	17.97	220.93	17.39	Clear	None	
12:50	81.85	200.00	1000.00	3.71	1.02	55.10	14.08	221.02	17.41	Cloudy	None	
12:55	81.85	200.00	1000.00	3.71	1.02	38.00	15.05	221.00	17.39	Clear	None	
13:00	81.85	200.00	1000.00	3.71	1.02	35.40	14.98	221.55	17.32	Clear	None	
13:05	81.85	200.00	1000.00	3.71	0.90	23.10	10.87	222.11	17.35	Clear	None	
13:10	81.85	200.00	1000.00	3.71	0.83	18.30	7.40	222.42	17.31	Clear	None	
13:15	81.85	200.00	800.00	3.71	0.72	10.40	5.67	223.32	17.35	Clear	None	
13:20	81.85	200.00	1000.00	3.71	0.66	7.80	4.37	223.62	17.38	Clear	None	
13:25	81.85	200.00	1000.00	3.7	0.65	5.50	2.93	223.34	17.29	Clear	None	
13:30	81.85	200.00	1000.00	3.7	0.62	3.90	2.10	223.82	17.29	Clear	None	
13:35	81.85	200.00	1000.00	3.7	0.64	3.70	2.24	224.37	17.31	Clear	None	
13:40	81.85	200.00	1000.00	3.7	0.49	3.60	2.17	225.23	17.32	Clear	None	
13:45	81.85	200.00	1000.00	3.7	0.47	3.56	1.92	225.57	17.34	Clear	None	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 04-15-2021 | Time: 13:55

Field Filtered: No

Purge Start Time: 11:50

Total Volume Purged (mL): 22800

Field Parameters

STABILIZED PARAMETERS	
pH	3.70
Spec. Cond.(µS/cm)	225.57
Turbidity (NTU)	1.92
Temp.(°C)	17.34
DO (mg/L)	0.47
ORP (mV)	3.56

Screen Interval: 88 to 98

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

Sample ID: CAP0421-SMW-12-041521

DuplicateID: NA

QA/QC: NA

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

WEATHER CONDITIONS			
Temperature (F):	71.00	**Water Quality Condition:**	NA
Sky:	Partly Cloudy	**Water Clarity:**	NA
		Water Color:	NA

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Precipitation:	None	**Water Odor:**	NA
Wind (mph)	4		

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	Brandon Weidner, Jelani Gill	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	4/20/2021	Time:	12:05	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0421-WC-1-24-042121	4/21/2021 7:00		5.37	8.07	213.30	19.59	69.75	22.81	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/20/2021 8:00	Multi Meter ID:	706770
ISCO End Date and Time:	4/21/2021 7:00		

SAMPLE SET

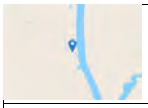
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	77
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude:	34.8511578
Longitude:	-78.8277628



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-26-2021	Time:	10:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-CFR-BLADEN-052621	05-26-2021	11:00	7.41	7.07	101.60	6.63	182.92	27.57	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	4.5	Distance to River Right:	23.6
Sampling Location:	Intake	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	49.6
Total Depth to Bottom of Channel (ft):	9.1	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

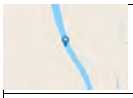
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	34.7723998
Longitude:	-78.7984335



GPS Location (if collected)

River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL[LUKE TART]	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-28-2021	Time:	13:32	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-CFR-KINGS-052821	05-28-2021 13:45		6.98	6.23	114.60	4.02	368.89	31.06	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7.7	Distance to River Right:	46.7
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	60.8
Total Depth to Bottom of Channel (ft):	15.4	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	93.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	12

Latitude:	34.4063777067548
Longitude:	-78.2945070277786

GPS Location (if collected)

River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-54	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-24-2021	Time:	10:19	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-CFR-RM-54-052421	05-24-2021 11:01		8.55	6.50	-22.10	2.75	276.38	30.99	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	4.5	Distance to River Right:	41.2
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	34.8
Total Depth to Bottom of Channel (ft):	9	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

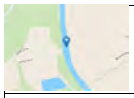
ALL PARAMETERS ANALYZED

537 MOD MAX (23 Incl Table 3 (20) + PFHpA, PPF Acid, MTP)

WEATHER CONDITIONS

Temperature (F):	90.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	35.082348
Longitude:	-78.8637492



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-25-2021	Time:	11:15	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-CFR-RM-76-052521	05-25-2021 11:35		7.37	6.97	95.40	3.70	113.49	24.83	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	10	Distance to River Right:	25
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	64
Total Depth to Bottom of Channel (ft):	20	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	ft

SAMPLE SET

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

ALL PARAMETERS ANALYZED

537 MOD MAX (23 Incl Table 3 (20) + PFHpA, PPF Acid, MTP)

WEATHER CONDITIONS

Temperature (F):	77.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

Latitude:	34.8536232
Longitude:	-78.826977

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-26-2021	Time:	11:15	General Comments:	Composite sample also collected at this location. Sample ID: CAP0521-CFR-TARHEEL-24-052721 Sample Time: 13:18 Run Time: 5/26/21 14:18-5/27/21 13:18

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-CFR-TARHEEL-052621	05-26-2021 11:25		7.30	7.17	108.50	4.89	217.16	28.61	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	7.2	Distance to River Right:	19.3
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	59.3
Total Depth to Bottom of Channel (ft):	14.4	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

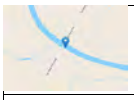
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

537 MOD MAX (23 Incl Table 3 (20) + PFHpA, PPF Acid, MTP)

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	34.7442473273638
Longitude:	-78.7854012561271



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	DEEP-RIVER-MOUTH	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-24-2021	Time:	14:15	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-DEEP-RIVER-MOUTH-052421	5/24/2021 14:30		7.64	6.77	49.90	8.80	170.49	29.72	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6	Distance to River Right:	26.1
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	45.5
Total Depth to Bottom of Channel (ft):	12	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

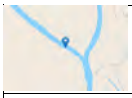
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

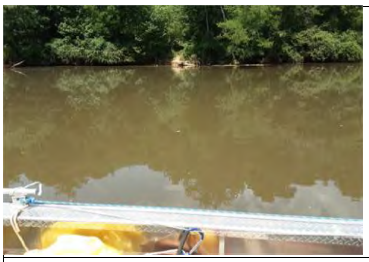
537 MOD MAX (23 Incl Table 3 (20) + PFHpA, PPF Acid, MTP)

WEATHER CONDITIONS	
Temperature (F):	92.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	35.597438
Longitude:	-79.0550702



GPS Location (if collected)



PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-25-2021	Time:	15:40	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-GBC-1-052521	05-25-2021 16:00		4.52	7.28	260.20	6.26	107.84	24.84	Cloudy	No		

Sampling Data

Sampling Method:	Bottle Grab	Tubing Depth (ft):	--	Distance to River Right:	--
Sampling Location:	--	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	--
Total Depth to Bottom of Channel (ft):	--	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	--

SAMPLE SET

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

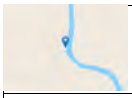
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	92.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude: 34.8150603
Longitude: -78.8215162



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	HAW-RIVER-MOUTH	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILLIMATT SCHEUERI	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-24-2021	Time:	13:30	General Comments:	Moved up stream from orginal GPS point due to orginal point being in the mixing zone of the Cape Fear and the Haw.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-HAW-RIVER-MOUTH-052421	05-24-2021 14:00		7.93	7.09	40.30	6.35	218.83	27.31	Cloudy	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	6.5	Distance to River Right:	48.6
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	33.3
Total Depth to Bottom of Channel (ft):	13	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

ALL PARAMETERS ANALYZED

537 MOD MAX (23 Incl Table 3 (20) + PFHpA, PPF Acid, MTP)

WEATHER CONDITIONS

Temperature (F):	90.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	35.5989856
Longitude:	-79.0508637

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	Lock-Dam Seep North	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-25-2021	Time:	15:00	General Comments:	No seep currently exist at location.

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

Sampling Data

Sampling Method:	--	Multi Meter Used:	--	Flow Rate:	--
		Multi Meter ID:	--	Flow Rate Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

N/A

WEATHER CONDITIONS

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

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

Looking towards river.

Looking up boat ramp.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	Lock-Dam Seep	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|MATT SCHEUER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-25-2021	Time:	14:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-LOCK-DAM-SEEP-052521	05-25-2021 14:55		6.81	7.53	52.60	18.47	126.72	25.65	Cloudy	No		

Sampling Data

Sampling Method:	Bottle Grab	Tubing Depth (ft):	--	Distance to River Right:	--
Sampling Location:	--	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	--
Total Depth to Bottom of Channel (ft):	--	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

Latitude:	--
Longitude:	--

GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	BEN KRAUSE|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 18
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-17-2021 Time: 11:52

WATER VOLUME CALCULATION

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

Water Volume = 2.051

Initial Depth to Water (ft.): 16.1 Depth to Well Bottom (ft.): 28.92

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:20	16.45	275.00	1375.00	3.75	0.25	354.60	6.62	123.20	17.03	Clear	None	
12:25	16.56	275.00	1375.00	3.34	0.14	403.70	8.06	124.34	16.60	Clear	None	
12:30	16.56	275.00	1375.00	3.3	0.14	402.40	2.71	123.49	16.67	Clear	None	
12:35	16.65	275.00	1375.00	3.39	0.17	394.20	1.48	122.72	16.64	Clear	None	
12:40	16.55	275.00	1375.00	3.43	0.16	390.00	0.97	122.55	16.62	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-17-2021 Time: 12:45
Field Filtered: No

Purge Start Time: 12:15
Total Volume Purged (mL): 6875

Field Parameters

STABILIZED PARAMETERS	
pH	3.43
Spec. Cond.(µS/cm)	122.55
Turbidity (NTU)	0.97
Temp.(°C)	16.62
DO (mg/L)	0.16
ORP (mV)	390.00

Screen Interval: 11.0-26.0

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0521-LTW-01-051721
DuplicateID:
QA/QC:

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-02	Well Diameter:	2 Inches
Samplers:	BEN KRAUSE|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 35
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-17-2021 Time: 10:27

WATER VOLUME CALCULATION

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

Water Volume = 5.048

Initial Depth to Water (ft.): 9.11 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			
10:50	9.29	275.00	1375.00	5.08	1.71	75.50	0.68	102.55	17.15	Clear	None	
10:55	9.25	275.00	1375.00	4.82	0.80	167.90	0.40	78.36	17.17	Clear	None	
11:00	9.25	275.00	1375.00	4.75	0.04	158.60	0.64	75.59	17.16	Clear	None	
11:05	9.25	275.00	1375.00	4.77	0.05	144.40	0.26	74.53	17.19	Clear	None	
11:10	9.26	275.00	1375.00	4.78	0.05	143.10	0.36	74.49	17.19	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-17-2021 Time: 11:20
Field Filtered: No
Purge Start Time: 10:45
Total Volume Purged (mL): 6875

Field Parameters

STABILIZED PARAMETERS	
pH	4.78
Spec. Cond.(µS/cm)	74.49
Turbidity (NTU)	0.36
Temp.(°C)	17.19
DO (mg/L)	0.05
ORP (mV)	143.10

Screen Interval: 28.0-38.0

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0521-LTW-02-051721
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	4

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-18-2021 Time: 12:25

WATER VOLUME CALCULATION

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

Water Volume = 3.136

Initial Depth to Water (ft.): 13.16 Depth to Well Bottom (ft.): 32.76

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:30	13.16	260.00	260.00	5.18	0.42	110.00	56.54	103.63	17.45	Clear	None	
12:35	13.75	260.00	1300.00	4.2	0.92	119.40	47.17	98.13	17.88	Cleat	None	
12:40	13.83	260.00	1300.00	4.02	0.81	118.30	24.90	97.70	17.79	Clear	None	
12:45	13.88	260.00	1300.00	4.04	0.78	180.10	24.21	96.53	17.89	Clear	None	
12:50	13.81	260.00	1300.00	4.15	0.31	202.30	14.40	95.84	17.92	Clear	None	
12:55	13.98	260.00	1300.00	4.27	0.48	221.70	16.08	95.77	17.92	Clear	No	
13:00	13.98	260.00	1300.00	4.32	0.56	224.70	18.55	95.90	17.96	Clear	No	
13:05	13.98	260.00	1300.00	4.37	0.49	227.40	18.62	95.51	17.99	Clear	No	
13:10	13.98	260.00	1300.00	4.42	0.52	228.60	19.90	94.26	18.00	Clear	No	
13:15	13.98	260.00	1300.00	4.43	0.53	228.00	17.14	95.37	17.93	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-18-2021 Time: 13:20
Field Filtered: No
Purge Start Time: 12:29
Total Volume Purged (mL): 11960

Field Parameters

STABILIZED PARAMETERS	
pH	4.43
Spec. Cond.(µS/cm)	95.37
Turbidity (NTU)	17.14
Temp.(°C)	17.93
DO (mg/L)	0.53
ORP (mV)	228.00

Screen Interval: 15.0-30.0

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

Sample ID: CAP0521-LTW-03-051821
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA,537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-04	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-19-2021 Time: 10:10

WATER VOLUME CALCULATION

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

Water Volume = 2.662

Initial Depth to Water (ft.): 9.86 Depth to Well Bottom (ft.): 26.5

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:30	12.47	350.00	1750.00	5.49	0.06	9.60	16.86	87.05	17.02	Clear	No	
10:35	13.40	250.00	1250.00	3.95	0.05	129.10	18.24	85.19	17.43	Clear	No	
10:40	13.70	250.00	1250.00	3.93	0.05	180.40	12.81	84.54	17.21	Clear	No	
10:45	14.10	200.00	1000.00	3.97	0.09	204.90	17.10	82.50	17.53	Clear	No	
10:50	14.10	200.00	1000.00	4.07	0.08	220.10	11.43	81.00	17.71	Clear	No	
10:55	14.10	200.00	1000.00	4.16	0.10	226.10	5.36	80.24	17.51	Clear	No	
11:00	14.10	200.00	1000.00	4.25	0.09	224.10	5.87	78.05	17.93	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-19-2021 Time: 11:05
Field Filtered: No

Purge Start Time: 10:25
Total Volume Purged (mL): 8250

Field Parameters

STABILIZED PARAMETERS	
pH	4.25
Spec. Cond.(µS/cm)	78.05
Turbidity (NTU)	5.87
Temp.(°C)	17.93
DO (mg/L)	0.09
ORP (mV)	224.10

Screen Interval: 12.0-27.0

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

Sample ID: CAP0521-LTW-04-051921
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-05	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-18-2021 Time: 13:45

WATER VOLUME CALCULATION

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

Water Volume = 5.917

Initial Depth to Water (ft.): 10.3 Depth to Well Bottom (ft.): 47.28

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			
14:05	10.48	380.00	1900.00	3.83	0.11	321.80	21.78	123.91	18.64	Clear	No	
14:10	10.80	380.00	1900.00	4.08	0.04	258.90	39.41	121.95	18.96	Clear	None	
14:15	10.80	380.00	1900.00	4.12	0.04	242.70	38.56	121.33	18.60	Clear	None	
14:20	10.80	380.00	1900.00	4.18	0.04	209.50	46.94	121.38	18.90	Clear	No	
14:25	10.43	260.00	1300.00	4.25	0.05	189.50	42.12	120.36	19.39	Clear	No	
14:30	10.43	260.00	1300.00	4.3	0.05	184.30	37.98	119.79	19.71	Clear	No	
14:35	10.43	260.00	1300.00	4.31	0.04	180.40	36.05	119.45	19.50	Clear	No	
14:40	10.43	260.00	1300.00	4.31	0.04	182.90	35.12	118.90	19.50	Clear	No	
14:45	10.43	260.00	1300.00	4.31	0.04	185.50	35.43	119.01	19.78	Clear	No	
14:50	10.43	260.00	1300.00	4.31	0.03	184.90	41.77	118.82	19.65	Clear	No	
14:55	10.43	260.00	1300.00	4.29	0.04	186.60	42.94	119.05	20.17	Clear	No	
15:00	10.38	200.00	1000.00	4.3	0.05	189.80	51.19	118.96	20.04	Clear	No	
15:10	10.39	200.00	2000.00	4.34	0.19	201.10	2.74	121.46	20.56	Clear	N0o	
15:15	10.39	200.00	1000.00	4.31	0.07	189.20	2.85	121.73	20.22	Clear	No	
15:20	10.39	200.00	1000.00	4.31	0.06	184.40	2.45	121.44	20.46	Clear	No	
15:25	10.39	200.00	1000.00	4.32	0.05	183.30	2.39	121.60	20.68	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-18-2021 Time: 15:30
Field Filtered: No

Purge Start Time: 14:00
Total Volume Purged (mL): 22700

Field Parameters

STABILIZED PARAMETERS	
pH	4.32
Spec. Cond.(µS/cm)	121.60
Turbidity (NTU)	2.39
Temp.(°C)	20.68
DO (mg/L)	0.05
ORP (mV)	183.30

Screen Interval: 29.0-44.0

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

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

Sample ID: CAP0521-LTW-05-051821
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	1

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

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	13:26	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-OLDOF-1-23-052621	5/26/2021 13:00		5.83	7.42	166.90	2.09	249.08	28.21	Clear	No		One cycle did not collect any volume.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 14:00	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 13:00		

SAMPLE SET

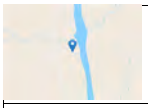
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.8318457212492
Longitude:	-78.8238145420088



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL-002	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	13:00	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-OUTFALL-002-24-052621	5/26/2021 8:54		7.77	7.05	85.30	7.13	468.15	27.16	Clear	No	DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 9:54	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 8:54		

SAMPLE SET

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

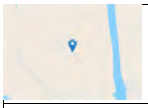
ALL PARAMETERS ANALYZED

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

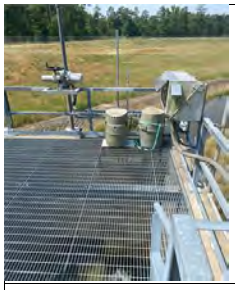
WEATHER CONDITIONS

Temperature (F):	84.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.8383112379516
Longitude:	-78.8286545675852



GPS Location (if collected)



Sample location

Tube area running into water to collect sample (no tubing in picture from Parsons ISCO)

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 28
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-17-2021 Time: 10:13

WATER VOLUME CALCULATION

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

Water Volume = 2.166

Initial Depth to Water (ft.): 18.26 Depth to Well Bottom (ft.): 31.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	18.26	280.00	1400.00	3.7	2.57	190.90	41.31	169.96	18.32	Clear	None	
10:50	18.26	280.00	1400.00	3.63	1.78	191.90	62.00	168.48	18.03	Clear	None	
10:55	18.31	280.00	1400.00	3.63	0.60	208.40	26.14	167.48	17.96	Clear	None	
11:00	18.31	280.00	1400.00	3.64	0.61	255.80	8.25	167.16	18.07	Clear	None	
11:05	18.31	280.00	1400.00	3.65	0.47	281.70	2.79	167.31	18.23	Clear	None	
11:10	18.31	280.00	1400.00	3.65	0.35	307.50	2.23	167.20	18.41	Clear	None	
11:15	18.31	280.00	1400.00	3.65	0.20	289.20	1.07	167.55	18.45	Clear	None	
11:20	18.31	280.00	1400.00	3.65	0.14	311.10	0.93	167.23	18.51	Clear	None	
11:25	0.11	18.31	91.55	3.65	0.11	318.90	1.32	166.99	18.57	Clear	None	
11:30	18.31	280.00	1400.00	3.66	0.09	313.80	0.81	167.18	18.81	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-17-2021 Time: 11:35
Field Filtered: No
Purge Start Time: 10:40
Total Volume Purged (mL): 12691.55

Field Parameters

STABILIZED PARAMETERS	
pH	3.66
Spec. Cond.(µS/cm)	167.18
Turbidity (NTU)	0.81
Temp.(°C)	18.81
DO (mg/L)	0.09
ORP (mV)	313.80

Screen Interval: 24.5 to 29.5

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

Sample ID: CAP0521-PIW-1D-051721
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	66.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	3

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	BEN KRAUSE|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-17-2021 Time: 15:15

WATER VOLUME CALCULATION

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

Water Volume = 1.466

Initial Depth to Water (ft.): 16.95 Depth to Well Bottom (ft.): 26.11

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			
15:27	17.20	240.00	1200.00	4.4	0.16	205.60	58.22	88.10	17.58	Clear	None	
15:32	17.25	240.00	1200.00	4.15	0.17	176.80	18.88	88.00	17.40	Clear	None	
15:37	17.22	240.00	1200.00	4.23	0.07	144.70	7.15	87.07	17.18	Clear	None	
15:42	17.22	240.00	1200.00	4.33	0.05	127.20	3.37	86.14	17.24	Clear	None	
15:47	17.22	240.00	1200.00	4.4	0.06	115.80	2.15	85.70	17.20	Clear	None	
15:52	17.22	240.00	1200.00	4.42	0.04	107.90	1.89	85.93	17.11	Clear	None	
15:57	17.22	240.00	1200.00	4.43	0.04	105.10	2.22	85.86	17.12	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-17-2021 Time: 16:00
Field Filtered: No

Purge Start Time: 15:22
Total Volume Purged (mL): 8400

Field Parameters

STABILIZED PARAMETERS	
pH	4.43
Spec. Cond.(µS/cm)	85.86
Turbidity (NTU)	2.22
Temp.(°C)	17.12
DO (mg/L)	0.04
ORP (mV)	105.10

Screen Interval: 19 - 24

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0521-PIW-3D-051721
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7D	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 32
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-19-2021 Time: 13:30

WATER VOLUME CALCULATION

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

Water Volume = 4.802

Initial Depth to Water (ft.): 7.01 Depth to Well Bottom (ft.): 37.02

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:10	7.02	260.00	1300.00	4.21	0.10	252.30	12.23	91.39	18.97	Clear	None	
14:15	7.02	260.00	1300.00	4.06	0.09	257.80	6.22	91.12	18.95	Clear	None	
14:20	7.05	260.00	1300.00	3.93	0.07	247.00	7.31	94.76	19.13	Clear	None	
14:25	7.05	260.00	1300.00	3.86	0.06	175.30	4.95	91.17	19.09	Clear	None	
14:30	7.05	260.00	1300.00	3.82	0.05	137.00	3.56	92.22	18.96	Clear	None	
14:35	7.05	260.00	1300.00	3.79	0.05	131.40	3.65	92.93	18.91	Clear	None	
14:40	7.05	260.00	1300.00	3.73	0.05	130.30	3.46	92.81	18.91	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-19-2021 Time: 14:45
Field Filtered: No

Purge Start Time: 14:05
Total Volume Purged (mL): 9100

Field Parameters

STABILIZED PARAMETERS	
pH	3.73
Spec. Cond.(µS/cm)	92.81
Turbidity (NTU)	3.46
Temp.(°C)	18.91
DO (mg/L)	0.05
ORP (mV)	130.30

Screen Interval: 29 - 34

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0521-PIW-7D-051921
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7S	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 12
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-19-2021 Time: 13:45

WATER VOLUME CALCULATION

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

Water Volume = 2.16

Initial Depth to Water (ft.): 6.74 Depth to Well Bottom (ft.): 20.24

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:10	7.23	250.00	500.00	4.39	0.05	148.60	101.70	139.22	17.75	Clear	No	
14:15	7.40	250.00	1250.00	4.38	0.04	157.30	79.36	141.09	18.09	Clear	No	
14:20	7.23	220.00	1100.00	4.36	0.08	157.70	36.65	139.50	19.45	Clear	No	
14:25	7.23	220.00	1100.00	4.42	0.08	126.10	25.42	137.45	19.60	Clear	No	
14:30	7.21	220.00	1100.00	4.48	0.08	99.00	19.64	135.27	19.37	Clear	No	
14:35	7.21	220.00	1100.00	4.57	0.07	73.70	16.14	133.24	19.45	Clear	No	
14:40	7.21	220.00	1100.00	4.69	0.07	56.70	15.00	131.57	19.76	Clear	No	
14:45	7.21	220.00	1100.00	4.75	0.08	57.60	17.23	130.89	19.14	Clear	No	
14:49	7.21	220.00	880.00	4.82	0.07	45.10	16.76	130.12	19.08	Clear	No	
14:55	7.21	220.00	1320.00	4.87	0.07	38.70	14.15	130.49	19.26	Clear	No	
15:00	7.21	220.00	1100.00	5	0.07	31.90	14.98	129.00	18.96	Clear	No	
15:05	7.21	220.00	1100.00	5.1	0.06	24.60	17.53	129.53	18.77	Clear	No	
15:10	7.21	220.00	1100.00	5.12	0.06	23.70	15.55	120.91	18.81	Clear	No	
15:15	7.21	220.00	1100.00	5.23	0.06	14.60	10.19	130.89	19.74	Clear	No	
15:20	7.21	220.00	1100.00	5.31	0.06	10.70	12.44	130.44	19.34	Clear	No	
15:25	7.21	220.00	1100.00	5.3	0.05	11.20	14.17	129.48	18.85	Clear	No	
15:30	7.21	220.00	1100.00	5.31	0.05	11.10	14.18	129.38	18.79	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-19-2021 Time: 15:35
Field Filtered: No

Purge Start Time: 14:08
Total Volume Purged (mL): 18250

Field Parameters

STABILIZED PARAMETERS	
pH	5.31
Spec. Cond.(µS/cm)	129.38
Turbidity (NTU)	14.18
Temp.(°C)	18.79
DO (mg/L)	0.05
ORP (mV)	11.10

Screen Interval: 7 - 17

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

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

Sample ID: CAP0521-PIW-7S-051921
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	82.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	2

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-04	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|MARK GUERRA	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 26
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-10-2021 Time: 12:50

WATER VOLUME CALCULATION

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

Water Volume = 0.986

Initial Depth to Water (ft.): 24.64 Depth to Well Bottom (ft.): 30.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55	25.48	80.00	-160.00	3.56	0.24	363.90	2.12	195.73	23.55	Clear	None	
13:00	25.49	80.00	400.00	3.56	0.21	354.30	2.19	196.44	23.44	Clear	None	
13:05	25.60	80.00	400.00	3.54	0.43	370.50	2.48	197.11	24.88	Clear	None	
13:10	25.63	80.00	400.00	3.56	0.57	371.20	2.57	197.65	25.91	Clear	None	
13:15	25.63	80.00	400.00	3.57	0.60	357.00	2.83	195.08	26.55	Clear	None	
13:20	25.62	80.00	400.00	3.57	0.62	373.10	2.99	193.94	26.45	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-10-2021 Time: 13:25
Field Filtered: No

Purge Start Time: 12:55
Total Volume Purged (mL): 1840

Field Parameters

STABILIZED PARAMETERS	
pH	3.57
Spec. Cond.(µS/cm)	193.94
Turbidity (NTU)	2.99
Temp.(°C)	26.45
DO (mg/L)	0.62
ORP (mV)	373.10

Screen Interval: 17 - 27

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

Sample ID: CAP0521-PW-04-051021
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

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

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-06	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|MARK GUERRA	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 26
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-10-2021 Time: 10:25

WATER VOLUME CALCULATION

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

Water Volume = 2.296

Initial Depth to Water (ft.): 18.5 Depth to Well Bottom (ft.): 32.85

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:45	19.25	120.00	-360.00	5.52	1.43	129.50	1.28	90.66	18.82	Clear	None	
10:50	19.29	120.00	600.00	5.34	1.54	159.40	1.03	70.29	18.55	Clear	None	
10:55	19.29	120.00	600.00	5.04	1.78	170.50	1.14	54.27	18.52	Clear	None	
11:00	19.29	120.00	600.00	4.71	1.69	209.00	0.78	51.47	18.38	Clear	None	
11:05	19.33	120.00	600.00	4.7	1.37	214.00	0.67	48.73	18.32	Clear	None	
11:10	19.33	120.00	600.00	4.7	1.34	214.50	0.58	68.71	18.32	Clear	None	
11:15	19.33	120.00	600.00	4.99	1.83	225.30	0.59	57.77	18.23	Clear	None	
11:20	19.33	120.00	600.00	4.8	2.01	248.50	0.65	52.83	18.24	Clear	None	
11:25	19.33	120.00	600.00	4.99	1.99	241.80	0.54	52.19	18.07	Clear	None	
11:30	19.33	120.00	600.00	4.97	2.18	253.70	0.56	51.07	18.06	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-10-2021 Time: 11:35
Field Filtered: No
Purge Start Time: 10:45
Total Volume Purged (mL): 5040

Field Parameters

STABILIZED PARAMETERS	
pH	4.97
Spec. Cond.(µS/cm)	51.07
Turbidity (NTU)	0.56
Temp.(°C)	18.06
DO (mg/L)	2.18
ORP (mV)	253.70

Screen Interval: 19 - 29

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

Sample ID: CAP0521-PW-06-051021
DuplicateID: CAP0521-PW-06-051021-D
QA/QC: Dup|MS|Rep

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

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

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

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 35
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-07-2021 Time: 11:20

WATER VOLUME CALCULATION

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

Water Volume = 1.912

Initial Depth to Water (ft.): 29.84 Depth to Well Bottom (ft.): 41.79

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:40	29.99	175.00	875.00	5.88	5.28	108.30	6.43	88.16	18.29	Clear	None	
11:45	29.99	175.00	875.00	7.04	2.84	84.30	8.43	225.93	18.69	Clear	None	
11:50	29.99	175.00	875.00	5.95	6.15	137.70	1.62	43.75	18.34	Clear	None	
11:55	29.99	175.00	875.00	5.06	6.30	155.60	0.86	40.51	18.59	Clear	None	
12:00	29.99	175.00	875.00	5.04	6.53	162.70	1.47	37.38	18.71	Clear	None	
12:05	29.99	175.00	875.00	4.99	6.46	174.50	1.10	39.44	18.94	Clear	None	
12:10	29.99	175.00	875.00	4.9	6.53	185.20	1.28	33.35	19.02	Clear	None	
12:15	29.99	175.00	875.00	4.85	6.59	192.70	1.47	33.33	19.26	Clear	None	
12:20	29.99	175.00	875.00	4.85	6.63	194.80	1.23	32.55	18.73	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-07-2021 Time: 12:25
Field Filtered: No

Purge Start Time: 11:35
Total Volume Purged (mL): 7875

Field Parameters

STABILIZED PARAMETERS	
pH	4.85
Spec. Cond.(µS/cm)	32.55
Turbidity (NTU)	1.23
Temp.(°C)	18.73
DO (mg/L)	6.63
ORP (mV)	194.80

Screen Interval: 28 - 38

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

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

Sample ID: CAP0521-PW-07-050721
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	61.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	6

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

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RECORD OF WELL SAMPLING

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

Samplers: ALLISON HARRIS|MARK GUERRA | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 47

Pump Loc: within screen

Method: Peristaltic Pump | Date: 05-13-2021 | Time: 11:50

WATER VOLUME CALCULATION

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

Water Volume = 5.277

Initial Depth to Water (ft.): 24.72 | Depth to Well Bottom (ft.): 57.7

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:00	24.72	250.00	1250.00	8.85	0.22	-112.60	82.44	126.33	17.77	Clear	None	Continued purging 5 well volumes. Approximately 10 gallons removed 5.12.21. Additional 15 gallons to be removed today
12:05	24.72	250.00	1250.00	8.87	0.16	-148.90	87.28	113.38	17.94	Clear	None	
12:10	24.72	250.00	1250.00	9.68	0.14	-204.30	91.00	119.92	18.04	Clear	None	
12:15	28.34	250.00	1250.00	9.96	0.12	-223.50	64.17	128.40	18.13	Clear	None	
12:20	28.34	250.00	1250.00	10.09	0.10	-228.60	66.40	130.65	18.32	Clear	None	
12:25	29.07	450.00	2250.00	9.65	0.08	-236.10	82.35	119.29	18.31	Clear	None	
12:30	29.07	450.00	2250.00	8.99	0.08	-242.90	84.35	112.75	18.59	Clear	None	
12:35	29.07	450.00	2250.00	8.84	0.09	-245.80	88.81	109.54	18.70	Clear	None	
12:40	29.07	450.00	2250.00	8.86	0.10	-252.80	97.55	110.04	19.03	Clear	No	
12:45	29.07	450.00	2250.00	8.78	0.11	-239.80	102.53	107.33	18.94	Clear	No	
12:50	29.07	450.00	2250.00	8.67	0.09	-244.90	101.55	106.04	19.26	Clear	No	
12:55	29.07	450.00	2250.00	8.61	0.06	-239.50	120.17	104.95	19.19	Clear	None	
13:00	29.07	450.00	2250.00	8.28	0.09	-219.30	84.54	102.54	19.41	Clear	None	
13:05	29.07	450.00	2250.00	8.22	0.09	-218.10	112.69	102.27	19.37	Clear	None	
13:10	29.07	450.00	2250.00	8.26	0.08	-224.00	112.94	103.07	19.53	Clear	No	
13:15	29.07	450.00	2250.00	8.16	0.10	-213.10	98.70	102.10	20.05	Clear	None	
13:25	30.85	450.00	4500.00	7.81	0.09	-178.10	117.76	99.30	20.49	Clear	No	
13:30	30.85	450.00	2250.00	7.75	0.10	-173.10	172.83	98.99	20.81	Clear	No	
13:35	30.85	450.00	2250.00	7.66	0.09	-167.60	128.85	97.96	21.08	Clear	No	
13:40	30.85	450.00	2250.00	7.59	0.10	-162.30	132.13	97.17	20.68	Clear	No	
13:45	30.85	450.00	2250.00	7.52	0.10	-159.10	123.35	96.09	20.49	Clear	None	
13:55	30.85	450.00	4500.00	7.42	0.09	-152.20	115.54	94.69	20.21	Clear	No	
14:00	30.85	450.00	2250.00	7.42	0.10	-152.60	136.12	94.57	20.26	Clear	No	
14:05	30.85	450.00	2250.00	7.37	0.11	-149.70	107.68	93.41	20.40	Clear	No	
14:10	30.85	450.00	2250.00	7.34	0.10	-146.60	174.42	92.96	20.23	Clear	No	
14:15	30.85	450.00	2250.00	7.31	0.09	-146.40	154.98	91.87	19.83	Clear	No	
14:20	30.85	450.00	2250.00	7.26	0.08	-144.60	128.77	92.00	19.73	Clear	No	
14:30	30.81	450.00	4500.00	7.24	0.06	-144.50	114.26	90.67	19.89	Clear	No	
14:40	30.81	450.00	4500.00	7.19	0.08	-142.10	89.80	89.90	20.05	Clear	No	
14:50	30.81	450.00	4500.00	7.16	0.07	-141.20	105.09	88.86	19.94	Clear	No	
15:00	30.81	450.00	4500.00	7.14	0.08	-140.10	90.86	87.94	19.94	Clear	No	
15:10	30.81	450.00	4500.00	7.12	0.08	-139.90	108.15	87.32	20.13	Clear	No	

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: 05-13-2021 | Time: 15:25

Field Filtered: Yes

Purge Start Time: 11:55

Total Volume Purged (mL): 82750

Field Parameters

STABILIZED PARAMETERS	
pH	7.12
Spec. Cond.(µS/cm)	87.32
Turbidity (NTU)	108.15
Temp.(°C)	20.13
DO (mg/L)	0.08
ORP (mV)	-139.90

Screen Interval: 44 - 54

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

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

Sample ID:	CAP0521-PW-09-051321
DuplicateID:	CAP0521-PW-09-051321-Z
QA/QC:	

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 47
Pump Loc: within screen
Method: Peristaltic Pump Date: 05-19-2021 Time: 11:15

WATER VOLUME CALCULATION

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

Water Volume = 6.637

Initial Depth to Water (ft.): 9.32 Depth to Well Bottom (ft.): 50.8

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			
11:30	9.32	180.00	0.00	4.58	0.26	202.50	114.44	83.31	18.65	Clear	No	
11:35	9.32	180.00	900.00	4.58	0.16	171.80	42.61	83.30	18.76	Clear	No	
11:40	9.32	180.00	900.00	4.6	0.10	145.80	19.07	83.36	18.43	Clear	No	
11:45	9.32	180.00	900.00	4.57	0.09	139.80	8.08	83.46	19.35	Clear	None	
11:50	9.32	180.00	900.00	4.57	0.08	138.30	5.26	83.69	19.20	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-19-2021 Time: 11:55
Field Filtered: No

Purge Start Time: 11:30
Total Volume Purged (mL): 3600

Field Parameters

STABILIZED PARAMETERS	
pH	4.57
Spec. Cond.(µS/cm)	83.69
Turbidity (NTU)	5.26
Temp.(°C)	19.20
DO (mg/L)	0.08
ORP (mV)	138.30

Screen Interval: 36.0-46.0

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

Sample ID: CAP0521-PZ-22-051921
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	0

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

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	River Water Intake2	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	11:14	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-052621	5/26/2021 7:06		7.38	7.95	119.20	10.48	184.16	25.57	Clear	No	MS/REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 8:06	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 7:06		

SAMPLE SET

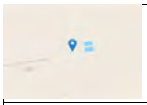
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	92.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.8435674344156
Longitude:	-78.835406612229



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-1	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	9:30	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-SEEP-A-1-24-052621	5/26/2021 8:00		4.84	4.85	390.80	0.70	144.86	22.08	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 9:00	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 8:00		

SAMPLE SET

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

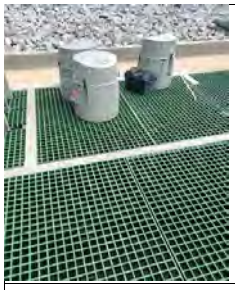
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8452021
Longitude:	-78.825298

GPS Location (if collected)



Sample point

Updtream of sample point.

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-1	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	9:45	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-SEEP- B-1-24-052621	5/26/2021 8:30		4.50	7.76	251.00	263.98	177.61	24.13	Cloudy	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 9:30	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 8:30		

SAMPLE SET

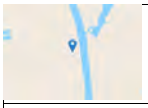
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	84.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

Latitude:	34.8422283787869
Longitude:	-78.8252344351559



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-1	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	12:50	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-SEEP-C-1-24-052621	5/26/2021 9:45		5.86	4.42	219.80	1.47	116.61	26.98	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 10:45	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 9:45		

SAMPLE SET

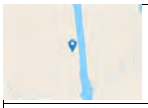
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.8383958074847
Longitude:	-78.8245312207114



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-1	Project Manager:	Tracy Ovbey
Samplers:	Luke Tart, Allison Harris	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	05-26-2021	Time:	13:13	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-SEEP-D-1-18-052621	5/26/2021 3:24		3.95	8.01	425.40	1.64	199.90	27.16	Clear	No		Power failure occurred after 18 cycles were collected.

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/25/2021 10:24	Multi Meter ID:	706682
ISCO End Date and Time:	5/26/2021 3:24		

SAMPLE SET

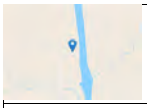
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	87.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.8371483566837
Longitude:	-78.8244917524265



GPS Location (if collected)

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-10	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 31
Pump Loc: above screen
Method: Peristaltic Pump Date: 05-21-2021 Time: 10:15

WATER VOLUME CALCULATION

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

Water Volume = 3.139

Initial Depth to Water (ft.): 29.38 Depth to Well Bottom (ft.): 49

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:25	29.39	300.00	600.00	5.86	0.31	44.20	4.56	92.07	18.72	Clear	No	
10:30	29.39	300.00	1500.00	5.1	0.08	-12.60	1.04	89.16	18.36	Clear	No	
10:35	29.39	300.00	1500.00	5.12	0.09	-4.20	2.37	87.62	18.50	Clear	No	
10:40	29.39	300.00	1500.00	5.18	0.07	-6.20	1.35	88.11	18.30	Clear	No	
10:45	29.39	300.00	1500.00	5.21	0.05	-16.50	0.91	88.18	18.40	Clear	No	
10:50	29.39	300.00	1500.00	5.24	0.04	-18.60	1.14	86.25	18.50	Clear	No	
10:55	29.39	300.00	1500.00	5.26	0.04	-20.60	0.89	87.10	18.34	Clear	No	
11:00	29.39	300.00	1500.00	5.26	0.03	-22.20	0.88	88.88	18.49	Clear	No	
11:05	29.39	300.00	1500.00	5.27	0.03	-23.00	0.85	86.42	18.54	Clear	No	
11:10	29.39	300.00	1500.00	5.29	0.03	-23.80	0.69	88.96	18.54	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-21-2021 Time: 11:15
Field Filtered: No

Purge Start Time: 10:23
Total Volume Purged (mL): 14100

Field Parameters

STABILIZED PARAMETERS	
pH	5.29
Spec. Cond.(µS/cm)	88.96
Turbidity (NTU)	0.69
Temp.(°C)	18.54
DO (mg/L)	0.03
ORP (mV)	-23.80

Screen Interval: 39 to 49

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

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

Sample ID: CAP0521-SMW-10-052121
DuplicateID:
QA/QC:

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth:	15				
Pump Loc:	within screen				
Method:	Peristaltic Pump	Date:	05-12-2021	Time:	14:05

WATER VOLUME CALCULATION

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

Water Volume =	2.16		
Initial Depth to Water (ft.):	12.34	Depth to Well Bottom (ft.):	25.84

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:35	12.34	280.00	1400.00	4.4	5.50	120.20	0.00	32.80	13.77	Clear	None	Original stabilization parameters were lost in Forms on Fire file transfer. Final stabilized parameters provided.

Sampling Data

Zero HS:	--					Purge Start Time:	14:15
Method:	Grab	Date:	05-12-2021	Time:	14:40	Total Volume Purged (mL):	5,600
Field Filtered:	No						

Field Parameters

STABILIZED PARAMETERS	
pH	4.40
Spec. Cond.(µS/cm)	32.80
Turbidity (NTU)	0.00
Temp.(°C)	13.77
DO (mg/L)	5.50
ORP (mV)	120.20

Screen Interval: 13 to 23

SAMPLE SET

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

Sample ID:	CAP0521-SMW-11-051221
DuplicateID:	
QA/QC:	

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	52.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	6

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|LUKE TART	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 96
Pump Loc: within screen
Method: Double valve pump Date: 05-21-2021 Time: 11:08

WATER VOLUME CALCULATION

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

Water Volume = 3.341

Initial Depth to Water (ft.): 83.03 Depth to Well Bottom (ft.): 103.91

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:15	83.03	200.00	600.00	3.81	0.20	22.30	17.44	224.50	18.18	Clear	None	
11:20	83.03	140.00	700.00	3.6	0.11	-40.10	11.13	226.02	18.24	Clear	None	
11:25	83.03	140.00	700.00	3.6	0.09	-50.10	6.70	226.32	18.25	Clear	None	
11:30	83.03	140.00	700.00	3.61	0.08	-48.30	6.00	226.13	18.09	Clear	None	
11:35	83.03	140.00	700.00	3.64	0.07	-46.40	4.69	226.48	18.16	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 05-21-2021 Time: 11:40
Field Filtered: No

Purge Start Time: 11:12
Total Volume Purged (mL): 3400

Field Parameters

STABILIZED PARAMETERS	
pH	3.64
Spec. Cond.(µS/cm)	226.48
Turbidity (NTU)	4.69
Temp.(°C)	18.16
DO (mg/L)	0.07
ORP (mV)	-46.40

Screen Interval: 88 to 98

SAMPLE SET

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

Sample ID: CAP0521-SMW-12-052121
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	7

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

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|BRANDON WEIDNER|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	5/25/2021	Time:	8:33	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0521-WC-1-24-052621	05-26-2021 07:00		4.99	8.29	177.90	7.73	108.23	22.89	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-25-2021 08:00	Multi Meter ID:	706682
ISCO End Date and Time:	05-26-2021 07:00		

SAMPLE SET

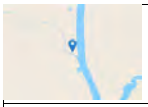
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	34.8513831898579
Longitude:	-78.8277577944016



GPS Location (if collected)

Sample location

Flow location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-BLADEN	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	12:35	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-CFR-BLADEN-061521	06-15-2021 12:40		7.55	6.60	56.20	11.65	161.61	30.77	Clear	None		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	5	Distance to River Right:	16
Sampling Location:	Intake	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	63.4
Total Depth to Bottom of Channel (ft):	10.2	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

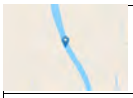
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	89.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude: 34.7722707255231
Longitude: -78.7983085444682



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-KINGS	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-17-2021	Time:	15:37	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-CFR-KINGS-061721	06-17-2021 15:45		7.82	5.81	66.30	22.10	277.76	30.31	Clear	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8	Distance to River Right:	86
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	28
Total Depth to Bottom of Channel (ft):	16	Multi Meter ID:	706682	Distance to River (Right/Left) Units:	yd

SAMPLE SET

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

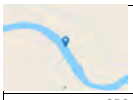
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

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

Latitude:	34.4064803
Longitude:	-78.2943084



GPS Location (if collected)

River left

River right

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-RM-76	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL[LUKE TART]	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	08:52	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-CFR-RM-76-061521	06-15-2021 08:55		7.50	6.00	56.30	12.46	146.14	28.90	Clear	none		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	11	Distance to River Right:	15.7
Sampling Location:	Thalweg	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	62.9
Total Depth to Bottom of Channel (ft):	22	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

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

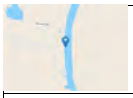
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	78.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8542207165784
Longitude:	-78.8271814302057



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL[LUKE TART]	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	14:15	General Comments:	24 hour ISCO composite sample also collected. CAP0621-CFR-TARHEEL-24-061621:15:35 06-15-21 - 14:35 06-16-21. Sample time: 14:35 06-16-21.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-CFR-TARHEEL-061521	06-15-2021 14:25		7.30	6.23	71.00	7.61	116.24	30.32	Clear	No		

Sampling Data

Sampling Method:	Peri Pump Grab	Tubing Depth (ft):	8.5	Distance to River Right:	24.3
Sampling Location:	CFR-TARHEEL	Multi Meter Used:	Insitu Aqua Troll	Distance to River Left:	58.4
Total Depth to Bottom of Channel (ft):	17	Multi Meter ID:	706751	Distance to River (Right/Left) Units:	m

SAMPLE SET

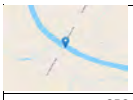
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	89.00
Sky:	Partly Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	34.7442669642179
Longitude:	-78.7853972848071



GPS Location (if collected)

River right

River left

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	GBC-1	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|LUKE TART|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	11:33	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-GBC-1-061521	06-15-2021 11:30		6.88	4.52	103.50	11.63	158.70	29.67	Clear	No		

Sampling Data

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

SAMPLE SET

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

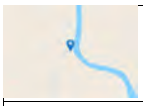
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	87.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	3

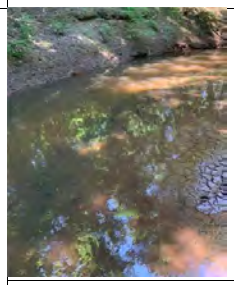
Latitude:	34.8144214880338
Longitude:	-78.8218079202543



GPS Location (if collected)

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

Sample location



Flow location

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	Lock-Dam Seep	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	10:55	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-LOCK-DAM-SEEP-061521	06-15-2021	11:10	6.38	5.59	187.70	132.97	150.93	28.35	Clear	No		

Sampling Data

Sampling Method:	Bottle Grab	Multi Meter Used:	Insitu Aqua Troll	Flow Rate:	--
		Multi Meter ID:	706682	Flow Rate Units:	--

SAMPLE SET

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

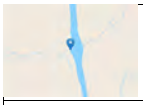
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8337594
Longitude:	-78.8236276



GPS Location (if collected)

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

Sample location

Looking towards river

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	LOCK-DAM-SEEP-NORTH	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	11:10	General Comments:	No seep at location

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

Sampling Data

Sampling Method:	--	Multi Meter Used:	--	Flow Rate:	--
		Multi Meter ID:	--	Flow Rate Units:	--

SAMPLE SET

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

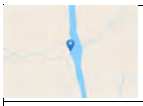
ALL PARAMETERS ANALYZED

N/A

WEATHER CONDITIONS

Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8337864
Longitude:	-78.8235158



GPS Location (if collected)

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

Looking up boat ramp

Looking towards river.

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-01	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 23
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-23-2021 Time: 15:17

WATER VOLUME CALCULATION

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

Water Volume = 1.576

Initial Depth to Water (ft.): 16.15 Depth to Well Bottom (ft.): 26

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			
15:30	16.69	475.00	950.00	3.89	0.23	160.80	12.46	124.92	18.03	Clear	No	
15:35	16.69	400.00	2000.00	3.84	0.09	223.50	21.79	125.48	17.99	Clear	No	
15:40	16.69	400.00	2000.00	3.86	0.11	275.10	6.25	118.49	17.91	Clear	No	
15:45	16.69	400.00	2000.00	3.82	0.11	289.10	3.73	120.33	17.83	Clear	No	
15:50	16.69	400.00	2000.00	3.83	0.11	299.00	1.60	120.73	17.80	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-23-2021 Time: 16:00
Field Filtered: No

Purge Start Time: 15:28
Total Volume Purged (mL): 8950

Field Parameters

STABILIZED PARAMETERS	
pH	3.83
Spec. Cond.(µS/cm)	120.73
Turbidity (NTU)	1.60
Temp.(°C)	17.80
DO (mg/L)	0.11
ORP (mV)	299.00

Screen Interval: 11.0-26.0

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

Sample ID: CAP0621-LTW-01-062321
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

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

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

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: LTW-02 | Well Diameter: 2 Inches

Samplers: CHARLES PACE|JELANI GILL | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 25

Pump Loc: above screen

Method: Peristaltic Pump | Date: 06-23-2021 | Time: 16:04

WATER VOLUME CALCULATION

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

Water Volume = 4.501

Initial Depth to Water (ft.): 8.87 | Depth to Well Bottom (ft.): 37

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			
16:15	9.02	400.00	2000.00	4.91	0.12	253.40	7.92	60.02	18.82	Clear	No	
16:20	9.02	400.00	2000.00	4.92	0.07	233.80	12.11	61.63	18.72	Clear	No	
16:25	9.02	400.00	2000.00	4.94	0.06	214.80	19.23	63.65	18.64	Clear	No	
16:30	9.02	400.00	2000.00	4.92	0.05	205.80	17.73	66.16	18.72	Clear	No	
16:35	9.02	400.00	2000.00	4.95	0.05	188.50	4.09	67.00	18.74	Clear	No	
16:40	9.02	400.00	2000.00	4.92	0.05	179.70	4.88	68.18	18.67	Clear	No	
16:45	9.02	400.00	2000.00	4.91	0.05	171.43	4.90	69.17	18.37	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 06-23-2021 | Time: 16:55

Field Filtered: No

Purge Start Time: 16:10

Total Volume Purged (mL): 14000

Field Parameters

STABILIZED PARAMETERS	
pH	4.91
Spec. Cond.(µS/cm)	69.17
Turbidity (NTU)	4.90
Temp.(°C)	18.37
DO (mg/L)	0.05
ORP (mV)	171.43

Screen Interval: 28.0-38.0

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0621-LTW-02-062321

DuplicateID:

QA/QC:

WEATHER CONDITIONS	
Temperature (F):	88.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-03	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-24-2021 Time: 13:27

WATER VOLUME CALCULATION

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

Water Volume = 2.803

Initial Depth to Water (ft.): 12.48 Depth to Well Bottom (ft.): 30

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:35	13.16	350.00	2450.00	4.18	0.06	212.80	10.90	85.08	18.34	Clear	No	
13:40	13.33	350.00	1750.00	4.22	0.04	218.10	2.82	84.03	18.33	Clear	No	
13:45	13.44	350.00	1750.00	4.4	0.02	213.20	0.00	84.23	18.43	Clear	No	
13:50	13.49	350.00	1750.00	4.48	0.02	205.70	0.00	84.19	18.34	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-24-2021 Time: 13:55
Field Filtered: No

Purge Start Time: 13:28
Total Volume Purged (mL): 7700

Field Parameters

STABILIZED PARAMETERS	
pH	4.48
Spec. Cond.(µS/cm)	84.19
Turbidity (NTU)	0.00
Temp.(°C)	18.34
DO (mg/L)	0.02
ORP (mV)	205.70

Screen Interval: 15.0-30.0

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

Sample ID: CAP0621-LTW-03-062421
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-04	Well Diameter:	2 Inches
Samplers:	LUKE TART|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 24
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-24-2021 Time: 10:00

WATER VOLUME CALCULATION

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

Water Volume = 3.355

Initial Depth to Water (ft.): 7.83 Depth to Well Bottom (ft.): 28.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:29	7.83	200.00	1400.00	4.28	0.11	254.30	20.39	70.75	17.74	Clear	No	
10:34	7.83	200.00	1000.00	4.46	0.10	246.40	18.55	85.08	17.63	Clear	No	
10:39	7.83	200.00	1000.00	4.58	0.11	238.30	19.19	83.76	17.54	Clear	No	
10:44	7.83	200.00	1000.00	4.65	0.09	233.40	30.39	83.46	17.91	Clear	No	
10:49	7.83	200.00	1000.00	4.69	0.12	232.10	24.52	83.15	18.71	Clear	No	
10:54	7.83	200.00	1000.00	4.59	0.18	253.30	22.11	84.82	17.21	Clear	No	
10:59	7.83	200.00	1000.00	4.53	0.12	238.70	17.82	83.83	17.12	Clear	No	
11:04	7.83	200.00	1000.00	4.6	0.08	235.30	19.40	82.63	17.14	Clear	No	
11:09	7.83	200.00	1000.00	4.61	0.09	233.60	23.71	81.74	17.15	Clear	O	
11:14	7.83	200.00	1000.00	4.65	0.14	229.70	9.26	82.36	17.35	Clear	No	
11:19	7.83	200.00	1000.00	4.67	0.07	226.90	7.16	82.34	17.33	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-24-2021 Time: 11:20
Field Filtered: No

Purge Start Time: 10:22
Total Volume Purged (mL): 11400

Field Parameters

STABILIZED PARAMETERS	
pH	4.67
Spec. Cond.(µS/cm)	82.34
Turbidity (NTU)	7.16
Temp.(°C)	17.33
DO (mg/L)	0.07
ORP (mV)	226.90

Screen Interval: 12.0-27.0

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

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

Sample ID: CAP0621-LTW-04-062421
DuplicateID:
QA/QC:

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	LTW-05	Well Diameter:	2 Inches
Samplers:	JELANI GILL|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 33
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-22-2021 Time: 11:25

WATER VOLUME CALCULATION

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

Water Volume = 6.069

Initial Depth to Water (ft.): 9.27 Depth to Well Bottom (ft.): 47.2

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:35	9.38	280.00	0.00	4.1	0.13	239.20	18.57	114.57	19.58	Clear	No	
11:40	9.38	280.00	1400.00	4.1	0.09	234.40	17.66	114.00	19.38	Clear	No	
11:45	9.38	280.00	1400.00	4.16	0.07	224.30	17.72	113.97	19.44	Clear	No	
11:50	9.38	280.00	1400.00	4.19	0.06	201.70	19.30	113.69	19.22	Clear	No	
11:55	9.38	280.00	1400.00	4.24	0.06	161.20	19.87	113.02	19.33	Clear	No	
12:00	9.38	280.00	1400.00	4.27	0.07	136.90	19.19	113.13	19.65	Clear	No	
12:05	9.38	280.00	1400.00	4.26	0.06	114.30	19.78	113.25	19.39	Clear	No	
12:10	9.38	280.00	1400.00	4.27	0.05	97.30	15.61	112.91	19.45	Clear	No	
12:15	9.38	280.00	1400.00	4.27	0.05	88.30	17.42	113.18	19.57	Clear	No	
12:20	9.38	280.00	1400.00	4.27	0.04	83.90	25.30	112.85	19.39	Clear	No	
12:25	9.38	280.00	1400.00	4.29	0.04	78.40	--	112.50	19.46	Clear	No	Washed out flow cell
12:30	9.38	280.00	1400.00	4.26	0.06	113.90	2.43	113.45	19.26	Clear	No	
12:35	9.38	280.00	1400.00	4.26	0.05	101.50	2.96	113.43	19.47	Clear	No	
12:40	9.38	280.00	1400.00	4.27	0.05	87.70	4.29	113.61	19.52	Clear	No	
12:45	9.38	280.00	1400.00	4.27	0.05	77.90	2.93	113.26	19.39	Clear	No	
12:50	9.38	280.00	1400.00	4.28	0.05	71.20	6.44	113.65	19.67	Clear	No	
12:55	9.38	280.00	1400.00	4.27	0.05	67.50	10.42	113.30	19.52	Clear	No	
13:00	9.38	280.00	1400.00	4.26	0.05	64.60	15.30	113.37	19.33	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-22-2021 Time: 13:05
Field Filtered: No

Purge Start Time: 11:35
Total Volume Purged (mL): 23800

Field Parameters

STABILIZED PARAMETERS	
pH	4.26
Spec. Cond.(µS/cm)	113.37
Turbidity (NTU)	15.30
Temp.(°C)	19.33
DO (mg/L)	0.05
ORP (mV)	64.60

Screen Interval: 29.0-44.0

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

Sample ID: CAP0621-LTW-05-062221
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED
Table 3+ (21)(HL) Including HFPO-DA and PFHpA, 537 MOD (HOLD)

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	14

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

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OLDOF-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	13:51	General Comments:	Confirmed with Suez that sampling is occuring while treatment plant is proccessing at average or above capcity.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-OLDOF-1-24-061621	6/16/2021 8:08		7.14	6.41	95.50	186.50	275.20	28.25	Cloudy	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	6/15/2021 9:08	Multi Meter ID:	706682
ISCO End Date and Time:	6/16/2021 8:08	Old Outfall Bypass(Yes/No):	Yes

SAMPLE SET

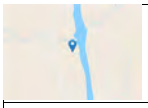
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	85.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8317931
Longitude:	-78.8237438



GPS Location (if collected)

Sample location

ISCO

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	OUTFALL 002	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	12:59	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-OUTFALL 002-24-061621	06-16-2021 07:42		7.58	7.25	109.40	34.97	194.20	31.45	Murky	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-15-2021 08:42	Multi Meter ID:	706682
ISCO End Date and Time:	06-16-2021 07:42	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

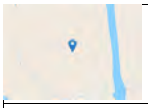
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	85.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	5

Latitude:	34.8383519
Longitude:	-78.8286075



GPS Location (if collected)

ISCO

Sample location

PARSONS

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1D	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 20
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-03-2021 Time: 11:25

WATER VOLUME CALCULATION

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

Water Volume = 2.104

Initial Depth to Water (ft.): 18.57 Depth to Well Bottom (ft.): 31.72

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
11:30	18.57	280.00	840.00	3.64	0.11	339.00	2.41	140.08	20.96	Clear	No	
11:35	18.57	280.00	1400.00	3.65	0.08	351.80	6.47	138.71	21.68	Clear	No	
11:40	18.57	280.00	1400.00	3.65	0.05	355.80	13.82	140.53	21.69	Clear	No	
11:45	18.57	280.00	1400.00	3.65	0.05	368.60	10.43	138.52	21.76	Clear	No	
11:50	18.57	280.00	1400.00	3.65	0.04	365.90	11.91	138.84	21.28	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-03-2021 Time: 11:55
Field Filtered: No

Purge Start Time: 11:27
Total Volume Purged (mL): 6440

Field Parameters

STABILIZED PARAMETERS	
pH	3.65
Spec. Cond.(µS/cm)	138.84
Turbidity (NTU)	11.91
Temp.(°C)	21.28
DO (mg/L)	0.04
ORP (mV)	365.90

Screen Interval: 24.5 to 29.5

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

Sample ID: CAP0621-PIW-1D-060321
DuplicateID:
QA/QC:

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

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

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

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 22
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 06-21-2021 Time: 10:30

WATER VOLUME CALCULATION

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

Water Volume = 0.155

Initial Depth to Water (ft.): 21.03 Depth to Well Bottom (ft.): 22

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			
10:42	21.58	280.00	1400.00	4.36	3.36	242.30	7.00	164.42	25.27	Clear	None	First purge of the well. 0.37 Gallons purged of total 0.775 Gallons to reach 5 well volumes.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --

Purge Start Time: 10:37
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	4.36
Spec. Cond.(µS/cm)	164.42
Turbidity (NTU)	7.00
Temp.(°C)	25.27
DO (mg/L)	3.36
ORP (mV)	242.30

Screen Interval: 7.8 - 17.8

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

ALL PARAMETERS ANALYZED
N/A

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

WEATHER CONDITIONS	
Temperature (F):	81.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	11

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

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RECORD OF WELL SAMPLING

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

Purging Data

Pump Depth: 22
Pump Loc: bottom of well
Method: Peristaltic Pump Date: 06-21-2021 Time: 15:20

WATER VOLUME CALCULATION

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

Water Volume = 0.158

Initial Depth to Water (ft.): 21.01 Depth to Well Bottom (ft.): 22

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			
15:32	22.00	200.00	1400.00	4.47	4.98	334.60	29.78	167.61	28.68	Clear	None	Second purge of well. More than two well volumes purged. One more purge before sample.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: -- Time: --
Field Filtered: --

Purge Start Time: 15:25
Total Volume Purged (mL):

Field Parameters

STABILIZED PARAMETERS	
pH	4.47
Spec. Cond.(µS/cm)	167.61
Turbidity (NTU)	29.78
Temp.(°C)	28.68
DO (mg/L)	4.98
ORP (mV)	334.60

Screen Interval: 7.8 - 17.8

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

ALL PARAMETERS ANALYZED
N/A

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

WEATHER CONDITIONS	
Temperature (F):	90.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	15

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	JELANI GILL|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-22-2021 Time: 10:30

WATER VOLUME CALCULATION

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

Water Volume = 0.16

Initial Depth to Water (ft.): 21 Depth to Well Bottom (ft.): 22

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	21.00	500.00	179000.00	4.46	7.24	282.10	15.83	154.01	24.40	Clear	No	Third purge of well, purged over five well volumes. Will sample on next visit.

Sampling Data

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

Purge Start Time: 16:33
Total Volume Purged (mL): 179000

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	154.01
Turbidity (NTU)	15.83
Temp.(°C)	24.40
DO (mg/L)	7.24
ORP (mV)	282.10

Screen Interval: 7.8 - 17.8

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

ALL PARAMETERS ANALYZED
N/A

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

WEATHER CONDITIONS	
Temperature (F):	78.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-1S	Well Diameter:	2 Inches
Samplers:	JELANI GILL|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 21 Ft.
Pump Loc: Bottom of Well
Method: Peristaltic Pump Date: 06-22-2021 Time: 15:40

WATER VOLUME CALCULATION

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

Water Volume = 0.16

Initial Depth to Water (ft.): 21 Depth to Well Bottom (ft.): 22

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			
15:45	21.00	250.00	750.00	4.33	4.98	258.00	7.47	107.96	22.64	Clear	No	Well has had five well volumes purged, this visit was for a sample only.

Sampling Data

Zero HS: --
Method: Five Well Volume Date: 06-22-2021 Time: 15:50
Field Filtered: No
Purge Start Time: 15:48
Total Volume Purged (mL): --

Field Parameters

STABILIZED PARAMETERS	
pH	4.33
Spec. Cond.(µS/cm)	107.96
Turbidity (NTU)	7.47
Temp.(°C)	22.64
DO (mg/L)	4.98
ORP (mV)	258.00

Screen Interval: 7.8 - 17.8

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

Sample ID: CAP0621-PIW-1S-062221
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	78.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-3D	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 22 Ft.
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-23-2021 Time: 14:00

WATER VOLUME CALCULATION

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

Water Volume = 1.282

Initial Depth to Water (ft.): 16.99 Depth to Well Bottom (ft.): 25

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:15	17.34	450.00	3150.00	3.84	0.07	309.20	27.90	91.95	17.83	Red tint	No	
14:20	17.34	450.00	2250.00	3.76	0.04	204.20	8.53	88.49	17.71	Clear	No	
14:25	17.34	450.00	2250.00	3.76	0.03	148.00	10.88	89.52	17.78	Clear	No	
14:30	17.34	450.00	2250.00	3.79	0.03	103.40	9.03	89.46	17.84	Clear	No	
14:35	17.34	450.00	2250.00	3.82	0.02	86.80	11.15	89.81	17.56	Clear	No	
14:40	17.34	450.00	2250.00	3.86	0.02	78.70	13.46	89.70	17.57	Clear	No	
14:45	17.34	450.00	2250.00	3.95	0.02	63.10	12.33	88.72	17.53	Clear	No	
14:50	17.34	450.00	2250.00	4.02	0.02	58.20	8.21	88.40	17.51	Clear	No	
14:55	17.34	450.00	2250.00	4.11	0.02	49.50	10.84	88.30	17.62	Clear	No	
15:00	17.34	450.00	2250.00	4.15	0.02	49.10	9.04	87.66	17.48	Clear	No	
15:05	17.34	450.00	2250.00	4.21	0.02	46.00	10.53	87.03	17.56	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-23-2021 Time: 15:10
Field Filtered: No

Purge Start Time: 14:08
Total Volume Purged (mL): 25650

Field Parameters

STABILIZED PARAMETERS	
pH	4.21
Spec. Cond.(µS/cm)	87.03
Turbidity (NTU)	10.53
Temp.(°C)	17.56
DO (mg/L)	0.02
ORP (mV)	46.00

Screen Interval: 19 - 24

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

Sample ID: CAP0621-PIW-3D-062321
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7D	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 25 Ft.
Pump Loc: Above Screen
Method: Peristaltic Pump Date: 06-24-2021 Time: 14:16

WATER VOLUME CALCULATION

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

Water Volume = 4.571

Initial Depth to Water (ft.): 5.43 Depth to Well Bottom (ft.): 34

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:20	5.46	400.00	800.00	4.15	0.10	238.20	2.49	82.64	16.93	Clear	No	
14:25	5.47	400.00	2000.00	3.96	0.03	222.10	4.53	82.39	18.69	Clear	No	
14:30	5.47	400.00	2000.00	4.01	0.05	221.00	0.04	83.42	18.51	Clear	No	
14:35	5.47	400.00	2000.00	4.17	0.07	200.00	0.06	83.56	18.33	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-24-2021 Time: 14:40
Field Filtered: No
Purge Start Time: 14:18
Total Volume Purged (mL): 6800

Field Parameters

STABILIZED PARAMETERS	
pH	4.17
Spec. Cond.(µS/cm)	83.56
Turbidity (NTU)	0.06
Temp.(°C)	18.33
DO (mg/L)	0.07
ORP (mV)	200.00

Screen Interval: 29 - 34

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

Sample ID: CAP0621-PIW-7D-062421
DuplicateID:
QA/QC:

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

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

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PIW-7S	Well Diameter:	2 Inches
Samplers:	LUKE TART|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 18
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-24-2021 Time: 13:12

WATER VOLUME CALCULATION

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

Water Volume = 2.392

Initial Depth to Water (ft.): 5.27 Depth to Well Bottom (ft.): 20.22

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
13:25	5.55	250.00	1250.00	4.99	0.27	177.90	40.21	126.83	19.75	Cloudy	None	
13:30	5.66	350.00	1750.00	4.82	0.25	176.50	66.89	128.21	18.70	Cloudy	None	
13:35	5.90	400.00	2000.00	4.77	0.12	164.00	36.34	127.04	18.18	Cloudy	None	
13:40	5.93	350.00	1750.00	4.7	0.09	139.80	19.13	125.99	18.26	Clear	None	
13:45	5.93	350.00	1750.00	5.02	0.07	58.60	12.97	124.24	18.25	Clear	None	
13:50	5.93	350.00	1750.00	5.24	0.05	32.10	15.55	121.86	18.29	Clear	None	
13:55	5.93	350.00	1750.00	5.36	0.05	20.90	4.69	123.77	18.29	Clear	None	
14:00	5.93	350.00	1750.00	5.55	0.02	12.30	7.40	126.47	18.36	Clear	None	
14:05	5.93	350.00	1750.00	5.53	0.03	10.80	15.03	126.14	18.17	Clear	None	
14:10	5.93	350.00	1750.00	5.57	0.03	11.00	12.28	126.66	18.32	Clear	None	
14:15	5.93	350.00	1750.00	5.59	0.04	8.60	2.79	127.91	18.30	Clear	None	
14:20	5.93	350.00	1750.00	5.62	0.04	9.00	12.47	126.54	18.28	Clear	None	
14:25	5.93	350.00	1750.00	5.62	0.02	8.90	9.33	125.85	18.35	Clear	None	
14:30	5.93	350.00	1750.00	5.6	0.02	8.90	4.78	125.66	18.27	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-24-2021 Time: 14:35
Field Filtered: No

Purge Start Time: 13:20
Total Volume Purged (mL): 24250

Field Parameters

STABILIZED PARAMETERS	
pH	5.60
Spec. Cond.(µS/cm)	125.66
Turbidity (NTU)	4.78
Temp.(°C)	18.27
DO (mg/L)	0.02
ORP (mV)	8.90

Screen Interval: 7 - 17

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

Sample ID: CAP0621-PIW-7S-062421
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-04	Well Diameter:	2 Inches
Samplers:	LUKE TART|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 30
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-21-2021 Time: 14:18

WATER VOLUME CALCULATION

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

Water Volume = 0.898

Initial Depth to Water (ft.): 25.19 Depth to Well Bottom (ft.): 30.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
14:30	25.70	100.00	500.00	3.85	0.51	284.20	48.98	137.53	23.01	Cloudy	None	
14:35	26.50	100.00	500.00	3.31	0.20	357.80	15.75	139.33	21.98	Clear	None	
14:40	26.87	100.00	500.00	3.21	0.15	377.80	7.32	138.35	21.79	Clear	None	
14:45	27.00	100.00	500.00	3.22	0.16	381.10	6.75	137.60	21.65	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-21-2021 Time: 14:50
Field Filtered: No

Purge Start Time: 14:25
Total Volume Purged (mL): 2000

Field Parameters

STABILIZED PARAMETERS	
pH	3.22
Spec. Cond.(µS/cm)	137.60
Turbidity (NTU)	6.75
Temp.(°C)	21.65
DO (mg/L)	0.16
ORP (mV)	381.10

Screen Interval: 17 - 27

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

Sample ID: CAP0621-PW-04-062121
DuplicateID:
QA/QC:

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

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-06	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 35
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-03-2021 Time: 10:00

WATER VOLUME CALCULATION

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

Water Volume = 2.256

Initial Depth to Water (ft.): 18.75 Depth to Well Bottom (ft.): 32.85

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:15	20.15	240.00	1200.00	4.73	2.23	163.00	1.66	50.41	18.78	Clear	No	
10:20	20.15	240.00	1200.00	4.63	2.48	169.40	1.14	50.40	18.89	Clear	No	
10:25	20.15	240.00	1200.00	4.34	3.02	195.70	0.82	41.69	18.68	Clear	No	
10:30	20.15	240.00	1200.00	4.3	2.98	191.60	0.69	40.60	18.63	Clear	No	
10:35	20.15	240.00	1200.00	4.36	2.77	171.70	0.78	40.02	18.63	Clear	No	
10:40	20.15	240.00	1200.00	4.42	2.89	159.50	0.66	40.36	18.97	Clear	No	
10:45	20.18	240.00	1200.00	4.44	3.06	159.90	0.97	40.36	19.61	Clear	No	
10:50	20.15	240.00	1200.00	4.51	2.84	157.20	1.33	39.66	19.63	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-03-2021 Time: 10:55
Field Filtered: No
Purge Start Time: 10:10
Total Volume Purged (mL): 9,600

Field Parameters

STABILIZED PARAMETERS	
pH	4.51
Spec. Cond.(µS/cm)	39.66
Turbidity (NTU)	1.33
Temp.(°C)	19.63
DO (mg/L)	2.84
ORP (mV)	157.20

Screen Interval: 19 - 29

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

Sample ID: CAP0621-PW-06-060321
DuplicateID:
QA/QC:

WEATHER CONDITIONS	
Temperature (F):	75.00
Sky:	Cloudy
Precipitation:	Rain
Wind (mph)	8

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

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RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PW-07	Well Diameter:	2 Inches
Samplers:	LUKE TART|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 41
Pump Loc: bottom of well
Method: Double valve pump Date: 06-21-2021 Time: 12:10

WATER VOLUME CALCULATION

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

Water Volume = 0.987

Initial Depth to Water (ft.): 35.6 Depth to Well Bottom (ft.): 41.77

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:35	35.95	90.00	450.00	4.84	6.80	206.50	347.28	50.38	28.80	Cloudy	None	
12:40	35.95	90.00	450.00	4.39	7.09	232.40	199.99	31.64	27.50	Cloudy	None	
12:45	36.05	90.00	450.00	4.31	7.63	274.00	121.11	30.93	26.70	Cloudy	None	
12:50	36.15	90.00	450.00	4.46	6.81	266.10	42.82	20.77	27.51	Cloudy	None	
12:55	36.20	90.00	450.00	4.44	7.71	273.60	27.14	30.88	26.77	Clear	None	
13:00	36.25	90.00	450.00	4.43	7.74	278.80	19.12	30.06	26.67	Clear	None	
13:05	36.25	90.00	450.00	4.5	7.74	277.30	18.05	29.87	26.87	Clear	None	
13:10	36.25	90.00	450.00	4.5	7.70	280.50	16.30	29.68	26.53	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-21-2021 Time: 13:15
Field Filtered: No

Purge Start Time: 12:30
Total Volume Purged (mL): 3600

Field Parameters

STABILIZED PARAMETERS	
pH	4.50
Spec. Cond.(µS/cm)	29.68
Turbidity (NTU)	16.30
Temp.(°C)	26.53
DO (mg/L)	7.70
ORP (mV)	280.50

Screen Interval: 28 - 38

SAMPLE SET

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

Sample ID: CAP0621-PW-07-062121
DuplicateID:
QA/QC:

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	84.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

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

RECORD OF WELL SAMPLING

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

Samplers: LUKE TART|SHAWN ANDRUKATES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 50

Pump Loc: within screen

Method: Peristaltic Pump | Date: 06-23-2021 | Time: 10:38

WATER VOLUME CALCULATION

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

Water Volume = 5.246

Initial Depth to Water (ft.): 24.93 | Depth to Well Bottom (ft.): 57.72

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			
12:57	29.50	200.00	1000.00	7.45	0.03	-142.00	71.91	81.58	19.63	Cloudy	None	Picking up from last form
13:02	29.45	200.00	1000.00	7.39	0.03	-139.50	65.15	80.67	20.04	Cloudy	None	
13:07	29.45	200.00	1000.00	7.4	0.03	-138.50	44.31	80.39	19.80	Cloudy	None	
13:12	29.45	200.00	1000.00	7.38	0.03	-138.10	51.83	80.05	19.93	Cloudy	None	
13:17	29.45	200.00	1000.00	7.36	0.03	-137.00	46.04	79.29	20.05	Cloudy	None	
13:22	29.45	200.00	1000.00	7.34	0.02	-140.40	61.94	81.31	20.11	Cloudy	None	
13:27	29.45	200.00	1000.00	8.66	0.75	-152.60	45.53	89.16	22.37	Cloudy	None	
13:32	29.90	200.00	1000.00	8.79	0.82	-148.60	72.65	86.16	21.73	Cloudy	None	
13:37	29.54	200.00	1000.00	8.9	0.03	-141.00	61.87	89.27	20.05	Cloudy	None	
13:42	29.40	200.00	1000.00	8.93	0.13	-145.00	78.81	99.12	21.35	Cloudy	None	
13:47	31.15	500.00	2500.00	10.49	0.02	-177.00	168.76	163.81	26.44	Cloudy	None	Added ISCO peristaltic for added depth and flow rate
13:52	31.50	900.00	4500.00	10.46	0.03	-165.30	137.66	162.56	28.56	Cloudy	None	
13:57	31.80	900.00	4500.00	10.42	0.03	-163.40	130.72	162.60	28.95	Cloudy	None	
14:02	32.04	900.00	4500.00	10.2	0.03	-177.30	166.30	167.50	25.32	Cloudy	None	
14:07	32.10	900.00	4500.00	10.32	0.03	-188.30	155.32	167.32	24.32	Cloudy	None	
14:12	32.15	900.00	4500.00	10.29	0.03	-177.30	166.21	154.30	25.31	Cloudy	None	
14:17	32.40	900.00	4500.00	10.21	0.21	-166.34	167.30	187.32	25.31	Cloudy	None	
14:22	31.20	0.00	0.00									ISCO pump auto shut off. Let system cool as to not overheat pump
14:27	32.62	900.00	4500.00	8.68	3.30	-68.80	180.87	84.63	24.92	Cloudy	None	Normal peristaltic pump ineffective at this depth. Switch to grab parameters
14:32	32.64	900.00	4500.00	8.29	2.74	-53.90	306.52	86.31	25.40	Cloudy	None	
14:37	32.65	900.00	4500.00	7.76	4.80	-26.80	375.25	70.71	23.05	Cloudy	None	
14:42	32.66	900.00	4500.00	7.16	2.68	-21.20	317.54	71.82	22.55	Cloudy	None	
14:47	32.66	900.00	4500.00	7.07	2.15	-25.80	296.53	73.17	24.35	Cloudy	None	

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: 06-23-2021 | Time: 14:50

Field Filtered: Yes

Purge Start Time: --

Total Volume Purged (mL): 62000

Field Parameters

STABILIZED PARAMETERS	
pH	7.07
Spec. Cond.(µS/cm)	73.17
Turbidity (NTU)	296.53
Temp.(°C)	24.35
DO (mg/L)	2.15
ORP (mV)	-25.80

Screen Interval: 44 - 54

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

Sample ID: CAP0621-PW-09-062321

DuplicateID: CAP0621-PW-09-062321-Z

QA/QC:

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

WEATHER CONDITIONS			
Temperature (F):	70.00	**Water Quality Condition:**	N/A
		Water Clarity:	N/A

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Sky:	Sunny	**Water Color:**	N/A
Precipitation:	None	**Water Odor:**	N/A
Wind (mph)	8		

RECORD OF WELL SAMPLING

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

Samplers: LUKE TART|SHAWN ANDRUKATES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 50

Pump Loc: within screen

Method: Peristaltic Pump | Date: 06-23-2021 | Time: 09:38

WATER VOLUME CALCULATION

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

Water Volume = 5.246

Initial Depth to Water (ft.): 24.93 | Depth to Well Bottom (ft.): 57.72

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			
09:57	28.50	600.00	3000.00	10.94	2.53	-51.60	31.47	526.23	18.07	Clear	None	Start by running two peri pumps because of the usual trouble with turbidity in the well
10:02	30.15	500.00	2500.00	11.3	0.46	-85.20	7.15	832.80	18.12	Clear	None	Turn both peri pumps down to be at 500mL/min.
10:07	30.10	200.00	1000.00	11.36	0.28	-105.60	20.49	603.25	18.25	Clear	None	Switch to single peri pump as readings look good for turbidity
10:12	30.10	350.00	1750.00	11.08	0.19	-118.60	76.99	267.47	18.41	Cloudy	None	Switch back to two per pumps as turbidity rises above 20NTU.
10:17	30.70	350.00	1750.00	10.74	0.19	-125.00	94.21	234.46	18.42	Cloudy	None	
10:22	30.85	300.00	1500.00	10.57	0.17	-125.20	106.05	194.06	18.39	Cloudy	None	Draw down nearing 31 ft significantly straining peri pump flow
10:27	30.20	200.00	1000.00	10.15	0.08	-140.50	130.70	145.21	18.30	Clear	None	Switch to sing peri pump to prevent head loss
10:32	29.81	200.00	1000.00	9.84	0.05	-151.80	130.70	137.16	18.26	Cloudy	None	
10:37	29.71	200.00	1000.00	9.66	0.05	-164.40	151.87	131.45	18.25	Cloudy	None	
10:42	29.65	200.00	1000.00	9.58	0.05	-180.30	139.21	124.29	18.23	Cloudy	None	
10:47	29.54	200.00	1000.00	9.92	0.38	-105.00	122.84	135.66	18.57	Cloudy	None	
10:52	29.50	200.00	1000.00	9.61	0.12	-149.60	145.45	122.77	18.59	Cloudy	None	
10:57	29.55	200.00	1000.00	9.51	0.10	-160.50	119.08	115.85	18.54	Cloudy	None	
11:02	29.49	200.00	1000.00	9.37	0.09	-172.50	100.35	115.12	18.77	Cloudy	None	
11:07	29.50	200.00	1000.00	9.25	0.07	-191.10	118.74	110.33	18.88	Cloudy	None	
11:12	29.50	200.00	1000.00	9.18	0.06	-205.70	118.84	105.36	18.67	Clear	No	
11:17	29.50	200.00	1000.00	9	0.05	-225.80	101.57	103.33	18.81	Clear	No	
11:22	29.50	200.00	1000.00	8.73	0.04	-237.00	113.49	99.18	18.73	Clear	No	
11:27	29.50	200.00	1000.00	8.58	0.03	-229.20	84.91	97.30	17.77	Clear	No	
11:31	29.50	200.00	800.00	8.45	0.03	-217.10	106.81	95.28	18.79	Clear	No	
11:37	29.50	200.00	1200.00	8.31	0.03	-204.30	76.90	93.91	18.95	Clear	No	
11:42	29.50	200.00	1000.00	8.16	0.03	-190.30	104.20	92.95	18.79	Clear	No	
11:47	29.50	200.00	1000.00	8.07	0.04	-179.10	81.18	91.86	18.76	Clear	No	
11:52	29.50	200.00	1000.00	7.96	0.03	-168.40	83.31	90.22	18.84	Clear	No	
11:57	29.50	200.00	1000.00	7.89	0.03	-166.40	74.14	89.78	19.00	Clear	No	
12:02	29.50	200.00	1000.00	7.81	0.03	-160.00	70.60	88.96	19.06	Clear	No	
12:07	29.50	200.00	1000.00	7.76	0.03	-158.10	70.17	87.65	18.98	Clear	No	
12:12	29.50	200.00	1000.00	7.74	0.03	-155.10	68.67	87.19	19.03	Clear	No	
12:17	29.50	200.00	1000.00	7.7	0.03	-151.80	81.00	86.35	19.23	Clear	No	
12:22	29.50	200.00	1000.00	7.64	0.03	-149.90	71.48	85.07	19.12	Clear	No	
12:27	29.50	200.00	1000.00	7.59	0.03	-147.70	51.73	84.61	19.06	Clear	No	
12:32	29.50	200.00	1000.00	7.59	0.03	-147.60	57.71	84.32	19.34	Clear	No	
12:37	29.50	200.00	1000.00	7.52	0.03	-142.80	58.57	83.33	19.16	Clear	No	
12:42	29.50	200.00	1000.00	7.5	0.03	-142.00	71.75	82.38	19.44	Cloudy	None	
12:47	29.50	200.00	1000.00	7.47	0.03	-142.40	57.40	82.61	19.59	Cloudy	None	
12:52	29.50	200.00	1000.00	7.44	0.03	-141.00	48.81	81.74	19.63	Cloudy	None	Uploading partial form due to too many entries slowing down phone

Sampling Data

Zero HS: --

Method: Five Well Volume | Date: 06-23-2021 | Time: --

Field Filtered: --

Purge Start Time: 09:52

Total Volume Purged (mL): 40529

Field Parameters

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

Screen Interval: 44 - 54

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

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Temp.(°C)	--
DO (mg/L)	--
ORP (mV)	--

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

PFAS	250 mL poly	NP	537 MOD (HOLD)

ALL PARAMETERS ANALYZED
N/A

WEATHER CONDITIONS	
Temperature (F):	70.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	PZ-22	Well Diameter:	.75 Inches
Samplers:	LUKE TART|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 42
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-24-2021 Time: 10:00

WATER VOLUME CALCULATION

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

Water Volume = 0.392

Initial Depth to Water (ft.): 7.21 Depth to Well Bottom (ft.): 50.8

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:25	--	300.00	600.00	4.36	0.22	199.20	132.94	81.32	17.72	Cloudy	None	Unable to take depth to water readings while purging due to small diameter well
10:30	--	250.00	1250.00	4.29	0.19	185.10	26.40	81.24	17.62	Cloudy	None	
10:35	--	250.00	1250.00	4.28	0.16	164.30	20.21	81.27	17.59	Clear	None	
10:40	--	250.00	1250.00	4.34	0.13	146.60	15.40	82.22	17.53	Clear	None	
10:45	--	250.00	1250.00	4.37	0.12	136.20	16.76	81.51	17.55	Clear	None	
10:50	--	250.00	1250.00	4.41	0.11	128.20	39.90	81.02	17.48	Cloudy	None	
10:55	--	250.00	1250.00	4.42	0.11	117.70	61.06	82.20	17.37	Cloudy	None	
11:00	--	250.00	1250.00	4.49	0.12	119.10	0.00	84.05	17.50	Clear	None	Cleared out flow through cell
11:05	--	250.00	1250.00	4.44	0.08	113.40	0.00	82.58	17.42	Clear	None	Took grab in glass vial to confirm 0 NTU turbidity and results were conclusive.
11:10	--	250.00	1250.00	4.45	0.09	107.00	0.00	82.28	17.41	Clear	None	
11:15	--	250.00	1250.00	4.46	0.06	103.50	0.00	82.43	17.38	Clear	None	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-24-2021 Time: 11:20
Field Filtered: No

Purge Start Time: 10:23
Total Volume Purged (mL): 13100

Field Parameters

STABILIZED PARAMETERS	
pH	4.46
Spec. Cond.(µS/cm)	82.43
Turbidity (NTU)	0.00
Temp.(°C)	17.38
DO (mg/L)	0.06
ORP (mV)	103.50

Screen Interval: 36.0-46.0

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

Sample ID: CAP0621-PZ-22-062421
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	71.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

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

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	RIVER WATER INTAKE2	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	15:14	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
RIVER-WATER-INTAKE2-24-061621	6/16/2021 7:00		7.87	6.85	41.30	41.05	126.15	29.97	Murky	No	MS, REP,DUP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	6/15/2021 8:00	Multi Meter ID:	706682
ISCO End Date and Time:	6/16/2021 7:00	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

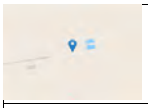
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8432836
Longitude:	-78.8355996



GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-A-BP-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	07:37	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-SEEP-A-BP-1-24-061621	06-16-2021 07:24		6.33	4.29	211.10	24.00	194.31	22.36	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-15-2021 08:24	Multi Meter ID:	706682
ISCO End Date and Time:	06-16-2021 07:24	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.8451325
Longitude:	-78.8249937

GPS Location (if collected)

Sample location

Looking at flow through cell, bypassing

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-B-EFF	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	08:50	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-SEEP-B-EFF-24-061621	06-16-2021 07:49		7.71	3.79	173.70	11.80	134.02	26.20	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-15-2021 08:49	Multi Meter ID:	706682
ISCO End Date and Time:	06-16-2021 07:49	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

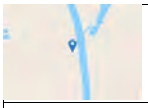
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.8421969
Longitude:	-78.8249961



GPS Location (if collected)

ISCO at effluent location

Bypass dry

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-C-BP-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	09:03	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-SEEP-C-BP-1-24-061621	06-16-2021 08:01		6.66	4.61	765.80	97.65	145.56	27.51	Murky	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-15-2021 09:01	Multi Meter ID:	706682
ISCO End Date and Time:	06-16-2021 08:01	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

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

Latitude:	34.8383504
Longitude:	-78.8243783

GPS Location (if collected)

Sample location

Cell bypassing due to storms.

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	SEEP-D-IMP	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	6/17/2021	Time:	10:53	General Comments:	ISCO malmunfunction on orginal composite sample, reset up and sampled following day. Grab sample collected and shipped: CAP0621-SEEP-D-IMP-061621, 13:01.

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-SEEP-D-IMP-24-061721	6/17/2021 14:23		6.49	1.48	143.00	26.76	340.33	28.01	Cloudy	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	6/16/2021 15:23	Multi Meter ID:	706682
ISCO End Date and Time:	6/17/2021 14:23	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

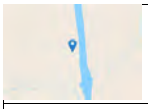
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	34.8372092
Longitude:	-78.8244708



GPS Location (if collected)

ISCO and sample location

Impoundment pond

PARSONS

RECORD OF WELL SAMPLING

Site Name: Chemours Fayetteville | Well ID: SMW-10 | Well Diameter: 2 Inches

Samplers: ALLISON HARRIS|SHAWN ANDRUKATES | Event: Monthly CAP | Project Manager: Tracy Ovbey

Purging Data

Pump Depth: 29

Pump Loc: above screen

Method: Peristaltic Pump | Date: 06-04-2021 | Time: 10:00

WATER VOLUME CALCULATION

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

Water Volume = 3.696

Initial Depth to Water (ft.): 28.95 | 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			
10:25	28.95	200.00	1000.00	6.81	2.50	127.00	1.63	182.32	19.86	Clear	No	
10:30	28.95	200.00	1000.00	7.15	2.66	128.30	5.39	76.10	20.15	Clear	No	
10:35	28.95	200.00	1000.00	5.48	3.95	222.00	6.48	67.89	19.07	Clear	No	
10:40	28.95	200.00	1000.00	5.36	3.40	212.10	8.22	68.85	19.20	Clear	No	
10:45	28.95	200.00	1000.00	5.35	1.92	185.50	7.09	68.78	19.29	Clear	No	
10:50	28.95	200.00	1000.00	5.4	1.48	170.60	9.50	69.43	19.10	Clear	No	
10:55	28.95	200.00	1000.00	5.38	1.04	139.70	9.39	69.70	19.36	Clear	No	
11:00	28.95	200.00	1000.00	5.39	0.60	99.40	12.07	70.86	19.23	Clear	No	
11:05	28.95	200.00	1000.00	5.4	0.37	69.60	14.19	70.33	19.15	Clear	No	
11:10	28.95	200.00	1000.00	5.4	0.43	51.50	10.08	70.29	19.22	Clear	No	
11:15	28.95	200.00	1000.00	5.43	0.53	41.30	6.61	70.73	19.04	Clear	No	
11:20	28.95	200.00	1000.00	5.4	0.44	39.30	4.94	70.46	19.16	Clear	No	
11:25	28.95	200.00	1000.00	5.4	0.45	43.00	8.98	70.13	19.03	Clear	No	

Sampling Data

Zero HS: --

Method: Low Flow | Date: 06-04-2021 | Time: 11:30

Field Filtered: No

Purge Start Time: 10:20

Total Volume Purged (mL): 13000

Field Parameters

STABILIZED PARAMETERS	
pH	5.40
Spec. Cond.(µS/cm)	70.13
Turbidity (NTU)	8.98
Temp.(°C)	19.03
DO (mg/L)	0.45
ORP (mV)	43.00

Screen Interval: 39 to 49

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

Sample ID: CAP0621-SMW-10-060421

DuplicateID: CAP0621-SMW-10-060421-D

QA/QC: Dup|MS|Rep

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

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

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-11	Well Diameter:	2 Inches
Samplers:	ALLISON HARRIS|SHAWN ANDRUKATES	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 17
Pump Loc: within screen
Method: Peristaltic Pump Date: 06-04-2021 Time: 12:40

WATER VOLUME CALCULATION

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

Water Volume = 2.106

Initial Depth to Water (ft.): 12.62 Depth to Well Bottom (ft.): 25.78

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
12:55	12.62	300.00	2400.00	4.06	4.85	236.00	2.72	28.74	16.79	Clear	No	
13:00	12.62	300.00	1500.00	3.9	4.90	254.50	6.98	28.30	16.87	Clear	No	
13:05	12.62	300.00	1500.00	3.87	4.90	265.00	11.66	28.15	16.81	Clear	No	
13:10	12.62	300.00	1500.00	3.92	4.92	267.80	14.42	28.03	16.79	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-04-2021 Time: 13:15
Field Filtered: No

Purge Start Time: 12:47
Total Volume Purged (mL): 6900

Field Parameters

STABILIZED PARAMETERS	
pH	3.92
Spec. Cond.(µS/cm)	28.03
Turbidity (NTU)	14.42
Temp.(°C)	16.79
DO (mg/L)	4.92
ORP (mV)	267.80

Screen Interval: 13 to 23

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

Sample ID: CAP0621-SMW-11-060421
DuplicateID:
QA/QC:

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

WEATHER CONDITIONS	
Temperature (F):	79.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	0

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

RECORD OF WELL SAMPLING

Site Name:	Chemours Fayetteville	Well ID:	SMW-12	Well Diameter:	2 Inches
Samplers:	CHARLES PACE|JELANI GILL	Event:	Monthly CAP	Project Manager:	Tracy Ovbey

Purging Data

Pump Depth: 95
Pump Loc: within screen
Method: Double valve pump Date: 06-23-2021 Time: 09:30

WATER VOLUME CALCULATION

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

Water Volume = 3.251

Initial Depth to Water (ft.): 83.43 Depth to Well Bottom (ft.): 103.75

Time	DTW	Pump Rate	Vol.	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	Comments
24 hr	ft	mL/min	mL	pH units	mg/L	mV	NTU	µS/cm	°C			
10:05	83.45	240.00	1200.00	4.14	1.18	204.20	27.41	239.50	18.91	Clear	No	
10:10	83.45	240.00	1200.00	3.62	0.13	70.70	17.59	227.53	18.33	Clear	No	
10:15	83.45	240.00	1200.00	3.63	0.10	34.40	13.05	226.97	18.29	Clear	No	
10:20	83.45	240.00	1200.00	3.66	0.07	19.40	8.81	226.68	18.43	Clear	No	
10:25	83.45	240.00	1200.00	3.7	0.06	9.00	7.24	226.87	18.38	Clear	No	
10:30	83.45	240.00	1200.00	3.71	0.06	5.70	6.28	226.67	18.22	Clear	No	
10:35	83.45	240.00	1200.00	3.71	0.05	3.20	6.32	226.58	18.22	Clear	No	
10:40	83.45	240.00	1200.00	3.71	0.05	2.40	5.55	226.55	18.28	Clear	No	
10:45	83.45	240.00	1200.00	3.73	0.04	0.60	3.61	226.61	18.48	Clear	No	
10:50	83.45	240.00	1200.00	3.74	0.04	-0.70	3.99	226.45	18.52	Clear	No	
10:55	83.45	240.00	1200.00	3.73	0.04	-2.50	2.38	226.47	18.66	Clear	No	
11:00	83.45	240.00	1200.00	3.74	0.04	-4.30	2.10	226.51	18.58	Clear	No	
11:05	83.45	240.00	1200.00	3.74	0.04	-6.30	2.00	226.62	18.76	Clear	No	
11:10	83.45	240.00	1200.00	3.72	0.03	-6.30	1.91	226.35	18.68	Clear	No	
11:15	83.45	240.00	1200.00	3.74	0.04	-6.70	1.57	226.58	18.71	Clear	No	

Sampling Data

Zero HS: --
Method: Low Flow Date: 06-23-2021 Time: 11:20
Field Filtered: No

Purge Start Time: 10:00
Total Volume Purged (mL): 18000

Field Parameters

STABILIZED PARAMETERS	
pH	3.74
Spec. Cond.(µS/cm)	226.58
Turbidity (NTU)	1.57
Temp.(°C)	18.71
DO (mg/L)	0.04
ORP (mV)	-6.70

Screen Interval: 88 to 98

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

Sample ID: CAP0621-SMW-12-062321
DuplicateID:
QA/QC:

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

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

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

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	WC-1	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|CHARLES PACE|	Sampling Event:	Monthly CAP	Event Type:	Sampling
Date:	06-15-2021	Time:	09:57	General Comments:	

Spl ID	Spl Date	Time	pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
				mg/L	mV	NTU	µS/cm	°C				
CAP0621-WC-1-24-061621	06-16-2021 07:00		5.91	6.54	131.50	220.33	101.31	28.01	Murky	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-15-2021 08:00	Multi Meter ID:	706682
ISCO End Date and Time:	06-16-2021 07:00	Old Outfall Bypass(Yes/No):	--

SAMPLE SET

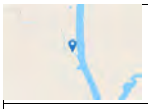
Parameter	Bottle	Pres.	Method
PFAS	2-250 mL poly	NP	537 Mod Including HFPO-DA
PFAS	250 mL poly	NP	Table 3+ (19)(LL)
PFAS	250 mL poly	NP	Table 3+ (20)(LL)
PFAS	250 mL poly	NP	Table 3+ (19)(HL)
PFAS	250 mL poly	NP	Table 3+ (21)(LL) Including HPFO-DA and PFHpA
PFAS	250 mL poly	NP	Table 3+ (21)(HL) Including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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.8512017
Longitude:	-78.8277277



GPS Location (if collected)

Sample and flow location

ISCO

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-06-2021	Time:	11:52	General Comments:	No parameters taken by field team. Samples from 4/2-4/4 collected and stored. All samples completed 24 cycles and ran from 00:01-23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-040521	04-05-2021 23:01		04-06-2021	11:54	-	-	-	-	-	-	-	-	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	-
ISCO Start Date and Time:	04-05-2021 00:01	Multi Meter ID:	-
ISCO End Date and Time:	04-05-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	91.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	3

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	3.7
Temperature Reading (degrees C):	36
Rain Reading (mm)	0

GPS Location (if collected)

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|CHRIS MCGINNESS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-09-2021	Time:	12:20	General Comments:	Sample CFR-TARHEEL-24-040621 and CFR-TARHEEL-24-040821 collected and stored(Sample Cylce 00:01-23:01).

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-040721	04-07-2021 23:01		04-09-2021	12:39	8.04	7.48	27.70	118.38	366.61	25.78	Cloudy brown	None	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/7/2021 0:01	Multi Meter ID:	706751
ISCO End Date and Time:	4/7/2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	80.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	6

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	3.7
Temperature Reading (degrees C):	35
Rain Reading (mm)	0

GPS Location (if collected)

View looking west from east Bank

View of sample location.

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|CHRIS MCGINNESS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-13-2021	Time:	14:45	General Comments:	Samples from 4/10/21 and 4/12/21 collected and stored. Samples ran from 00:01 and 23:01

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-041221	04-12-2021 23:01		04-13-2021	14:47	7.85	8.13	59.50	29.48	196.85	19.71	Clear	No	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-12-2021 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	04-12-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	77.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	4

Latitude:	34.7448817
Longitude:	-78.7851363
Staff Gauge Water Level Reading (ft):	5.2
Temperature Reading (degrees C):	28
Rain Reading (mm)	0

GPS Location (if collected)

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHRIS MCGINNESS|MARK GUERRA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-16-2021	Time:	10:12	General Comments:	Solar Panel still flashing low battery. CFR-TARHEEL-24-041421 from 00:01 to 23:01

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-041521	4/15/21 23:01		04-16-2021	10:30	7.61	8.41	107.80	10.74	95.14	19.76	Clear	Odor	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	4/15/21 0:01	Multi Meter ID:	706751
ISCO End Date and Time:	4/15/21 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

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

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	3.1
Temperature Reading (degrees C):	15
Rain Reading (mm)	0

-

GPS Location (if collected)

Water Staff Gauge

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PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	MARK GUERRA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-20-2021	Time:	14:11	General Comments:	Additional samples collected from 4/17/21 and 4/18/21 samples ran from 00:01 to 23:01 without errors.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-041921	04-19-2021 23:01		04-20-2021	15:00	7.11	8.00	121.90	12.43	82.21	20.96	Clear	None	-	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-19-2021 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	04-19-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	74.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	-
Longitude:	-
Staff Gauge Water Level Reading (ft):	3.1
Temperature Reading (degrees C):	26
Rain Reading (mm)	0

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GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BRANDON WEIDNER|LUKE TART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-27-2021	Time:	18:40	General Comments:	Maintenance and sampling. ISCO did not function over weekend due to power failure. ISCO replaced with temporary Isco to take QC samples on 4/28/21

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-042721	04-27-2021 19:10		04-27-2021	19:10	7.00	8.40	57.30	16.77	144.80	22.22	Clear	None	-	-

Sampling Data

Sampling Method:	Isco Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	-	Multi Meter ID:	706682
ISCO End Date and Time:	-		

SAMPLE SET

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

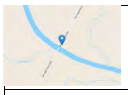
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	75.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	34.7450245703757
Longitude:	-78.7851527933203
Staff Gauge Water Level Reading (ft):	1.1
Temperature Reading (degrees C):	24
Rain Reading (mm)	0



GPS Location (if collected)

Temporary set up

River level

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS\LUKE TART\	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	04-29-2021	Time:	13:04	General Comments:	Grab sample taken for 4/29/21 due to isco solar panel needing repair.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-042821	04-28-2021 23:01		04-29-2021	13:36	6.16	7.43	218.20	12.49	0.05	28.27	Clear	None	DUP|MS|REP	-

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	04-28-2021 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	04-28-2021 23:01		

SAMPLE SET

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

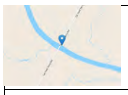
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	86.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	11

Latitude:	34.7448629923633
Longitude:	-78.785274506489
Staff Gauge Water Level Reading (ft):	1.1
Temperature Reading (degrees C):	31
Rain Reading (mm)	0



GPS Location (if collected)

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SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JOHNATHAN CAUDILL|LUKE TART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	5/4/2021	Time:	15:41	General Comments:	No weather collected

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-050321	5/3/2021 23:01		05-04-2021	15:41	7.25	6.90	125.20	12.02	127.71	27.64				

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/3/2021 0:01	Multi Meter ID:	
ISCO End Date and Time:	5/3/2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

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

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

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|MARK GUERRA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-07-2021	Time:	10:50	General Comments:	Preformed grab sample due to ISCO error.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-050621	5/6/2021 23:01		5/7/2021	11:015:00 PM	7.10	7.65	105.20	3.42	117.61	18.19	Clear	None		

Sampling Data

Sampling Method:	ISCO Grab	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:		Multi Meter ID:	706751
ISCO End Date and Time:			

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	54.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	8

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	1.3
Temperature Reading (degrees C):	12
Rain Reading (mm)	15

GPS Location (if collected)

Staff Gauge

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	BEN KRAUSE|LUKE TART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-11-2021	Time:	09:10	General Comments:	Samples from 05/09 and 05/08 also collected and ran without issue from 00:01 to 23:01

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-051021	05-10-2021 23:01		05-11-2021	09:13	7.87	7.89	51.50	4.64	183.36	21.27	Clear	None	DUP|MS|REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-10-2021 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	05-10-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	2.7
Temperature Reading (degrees C):	19
Rain Reading (mm)	0

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|LUKE TART|MARK GUERRA|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-14-2021	Time:	10:35	General Comments:	collected a composite and a grab

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-051221	05-12-2021-23:01		05-14-2021	13:00	7.71	7.66	24.30	4.06	111.88	23.03	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	5/12/2021 0:01	Multi Meter ID:	706751
ISCO End Date and Time:	5/12/2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	68.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	10

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	2.6
Temperature Reading (degrees C):	20
Rain Reading (mm)	7

GPS Location (if collected)

Water Staff Gauge

Sample Area

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|LUKE TART|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-21-2021	Time:	10:20	General Comments:	We collected 5-17 and 5-20-21. Both samples ran from 00:01 to 23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-052021	05-20-2021 23:01		05-21-2021	10:23	7.85	7.20	16.80	6.46	191.57	24.05	Clear	None		
CFR-TARHEEL-24-051721	5/17/2021 23:01													

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-20-2021 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	05-20-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

Latitude:	34.7449511536751
Longitude:	-78.7852610070992
Staff Gauge Water Level Reading (ft):	0.7
Temperature Reading (degrees C):	32
Rain Reading (mm)	0

GPS Location (if collected)

Solar controller

Water level

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	05-26-2021	Time:	11:00	General Comments:	

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-052421	05-24-2021 23:01		05-26-2021	11:20	7.30	7.17	108.50	4.89	217.16	28.61	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-24-2021 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	05-24-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	83.00
Sky:	Sunny
Precipitation:	None
Wind (mph)	9

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	0.5
Temperature Reading (degrees C):	35
Rain Reading (mm)	0

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	ALLISON HARRIS|JELANI GILL|SHAWN ANDRUKATES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-02-2021	Time:	09:58	General Comments:	No weather was collected

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-052721	05-27-2021 23:01		06-02-2021	09:58	7.57	7.35	62.70	40.18	144.34	24.81				

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	05-27-2021 00:01	Multi Meter ID:	
ISCO End Date and Time:	05-27-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

WEATHER CONDITIONS

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

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

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|JELANI GILL|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-04-2021	Time:	10:05	General Comments:	2 samples collected, both ran from 00:01 to 23:01

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-060321	06-03-2021 23:01		06-04-2021	10:22	8.36	7.13	48.40	34.04	257.63	25.63	Murky	No		
CFR-TARHEEL-24-060221	44349.96													

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-03-2021 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	06-03-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	6

Latitude:	34.7450175695446
Longitude:	-78.7852305640269
Staff Gauge Water Level Reading (ft):	2.4
Temperature Reading (degrees C):	27
Rain Reading (mm)	58

GPS Location (if collected)

ISCO set up for extra DEQ split sampling for 6/7/21

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|SCOTT SKRZYDLINSKI|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-08-2021	Time:	10:28	General Comments:	

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-060721	06-07-2021 23:01		06-08-2021	10:39	7.77	7.04	69.40	14.32	206.91	25.66	Murky	No	DUP|MS|REP	

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-07-2021 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	06-07-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS	
Temperature (F):	73.00
Sky:	Partly Cloudy
Precipitation:	None
Wind (mph)	5

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	2.1
Temperature Reading (degrees C):	27
Rain Reading (mm)	0

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-12-2021	Time:	14:15	General Comments:	No weather data collected

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-061221	06-12-2021 23:01		06-15-2021	14:25	7.30	6.25	71.00	7.61	116.24	30.32	Clear	None		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-12-2021 00:01	Multi Meter ID:	706682
ISCO End Date and Time:	06-12-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	3.75
Temperature Reading (degrees C):	36
Rain Reading (mm)	8

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	LUKE TART|SHAWN ANDRUKATES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-16-2021	Time:	14:00	General Comments:	No parameters or weather collected

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-061521	06-15-2021 23:01		07-21-2021	18:32										

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	
ISCO Start Date and Time:	06-15-2021 00:01	Multi Meter ID:	
ISCO End Date and Time:	06-15-2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

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

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

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	JELANI GILL|SHAWN ANDRUKATES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-22-2021	Time:	13:53	General Comments:	

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-061721	6/17/2021 23:01		06-22-2021	14:03	6.82	7.38	149.10	13.59	127.58	27.04	Clear	No		

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	6/17/2021 0:01	Multi Meter ID:	706682
ISCO End Date and Time:	6/17/2021 23:01		

SAMPLE SET

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

ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

Temperature (F):	79.00
Sky:	Cloudy
Precipitation:	None
Wind (mph)	12

Latitude:	
Longitude:	
Staff Gauge Water Level Reading (ft):	2
Temperature Reading (degrees C):	24
Rain Reading (mm)	20

GPS Location (if collected)

PARSONS

SURFACE WATER SAMPLING RECORD

Site Name:	Chemours Fayetteville	Location ID:	CFR-TARHEEL	Project Manager:	Tracy Ovbey
Samplers:	CHARLES PACE|SHAWN ANDRUKATES|	Sampling Event:	Weekly River	Event Type:	Sampling
Date:	06-25-2021	Time:	11:50	General Comments:	Also Collected Sample: CFR-TARHEEL-24-062221. Which ran from 6/22/21 00:01 to 6/22/21 23:01.

Spl ID	Spl Date	Time	Parameters		pH	DO	Redox	Turbidity	Spec. Cond.	Temp.	Color	Odor	QA/QC	Comments
			Date	Time		mg/L	mV	NTU	µS/cm	°C				
CFR-TARHEEL-24-062421	06-24-2021 23:01		06-25-2021	11:52	6.88	7.08	146.40	55.45	650.35	25.85	Murky	No		
CFR-TARHEEL-24-062221	06-22-2021 23:01													

Sampling Data

Sampling Method:	ISCO Composite	Multi Meter Used:	Insitu Aqua Troll
ISCO Start Date and Time:	06-24-2021 00:01	Multi Meter ID:	706751
ISCO End Date and Time:	06-24-2021 23:01		

SAMPLE SET

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

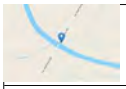
ALL PARAMETERS ANALYZED

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

WEATHER CONDITIONS

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

Latitude:	34.7449181
Longitude:	-78.7851941
Staff Gauge Water Level Reading (ft):	1.8
Temperature Reading (degrees C):	32
Rain Reading (mm)	15



GPS Location (if collected)

PARSONS

Geosyntec consultants

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

APPENDIX D

Laboratory Reports and DVM Report

ADQM Data Review

Site: Chemours Fayetteville

Project: Tarheel Sampling 2Q21 (updated)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CFR-TARHEEL-24-040521	320-72392-1	Surface Water	N	04/05/2021	23:01	FS
CFR-TARHEEL-24-040721	320-72392-2	Surface Water	N	04/07/2021	23:01	FS
CFR-TARHEEL-24-041221	320-72767-1	Surface Water	N	04/12/2021	23:01	FS
CFR-TARHEEL-24-041521	320-72767-2	Surface Water	N	04/15/2021	23:01	FS
CFR-TARHEEL-24-041821	320-73112-1	Surface Water	N	04/18/2021	23:01	FS
CFR-TARHEEL-24-041921	320-73112-2	Surface Water	N	04/19/2021	23:01	FS
CFR-TARHEEL-042721	320-73330-1	Surface Water	N	04/27/2021	19:10	FS
CFR-TARHEEL-24-042821	320-73330-2	Surface Water	N	04/28/2021	23:01	FS
CFR-TARHEEL-24-042821-D	320-73330-3	Surface Water	N	04/28/2021	23:01	DUP
CFR-TARHEEL-24-050321	320-73801-1	Surface Water	N	05/03/2021	23:01	FS
CFR-TARHEEL-24-050621	320-73801-2	Surface Water	N	05/06/2021	23:01	FS
CFR-TARHEEL-24-051021	320-73801-3	Surface Water	N	05/10/2021	23:01	FS
CFR-TARHEEL-24-051021-D	320-73801-4	Surface Water	N	05/10/2021	23:01	DUP
CFR-TARHEEL-24-051221	320-73801-5	Surface Water	N	05/12/2021	23:01	FS
CFR-TARHEEL-24-051721	320-74299-1	Surface Water	N	05/17/2021	23:01	FS
CFR-TARHEEL-24-052021	320-74299-2	Surface Water	N	05/20/2021	23:01	FS
CFR-TARHEEL-24-052421	320-74558-1	Surface Water	N	05/24/2021	23:01	FS

CFR-TARHEEL-24-052721	320-74558-2	Surface Water	N	05/27/2021	23:01	FS
CFR-TARHEEL-24-060221	320-74900-1	Surface Water	N	06/02/2021	23:01	FS
CFR-TARHEEL-24-060321	320-74900-2	Surface Water	N	06/03/2021	23:01	FS
CFR-TARHEEL-24-060721	320-75079-1	Surface Water	N	06/07/2021	23:01	FS
CFR-TARHEEL-24-060721-D	320-75079-2	Surface Water	N	06/07/2021	23:01	DUP
CFR-TARHEEL-24-061221	320-75079-3	Surface Water	N	06/12/2021	23:01	FS
CFR-TARHEEL-24-061521	320-75724-1	Surface Water	N	06/15/2021	23:01	FS
CFR-TARHEEL-24-061721	320-75724-2	Surface Water	N	06/17/2021	23:01	FS
CFR-TARHEEL-24-062221	320-75724-3	Surface Water	N	06/22/2021	23:01	FS
CFR-TARHEEL-24-062421	320-75724-4	Surface Water	N	06/24/2021	23:01	FS
CFR-TARHEEL-24-070121	320-76118-1	Surface Water	N	07/01/2021	23:01	FS
CFR-TARHEEL-24-070221	320-76118-2	Surface Water	N	07/02/2021	23:01	FS
CFR-TARHEEL-24-070721	320-76118-3	Surface Water	N	07/07/2021	23:01	FS
CFR-TARHEEL-24-070821	320-76118-4	Surface Water	N	07/08/2021	23:01	FS

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

Analytical Protocol

Laboratory	Method	Parameters
TAL – Sacramento	Cl. Spec. Table 3 Compound SOP	21 compounds incl HFPO-DA & PFHpA
TAL – Sacramento	537 Mod Max	21 compounds incl HFPO-DA & PFHpA

All samples were analyzed by the Table 3 methodology. The Tarheel samples collected on 6/2/21and 6/3/21 were reanalyzed using the 537 Mod Max method.

ADQM Data Review Checklist

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

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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

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

The DVM incorrectly assigned qualifiers for poor field duplicate precision and this updated whitebook reflects that the validation qualifiers and validation reason code were removed from R-PSDA and Hydrolyzed PSDA in CFR-TARHEEL-24-051021-D.

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

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

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-041221	04/12/2021	320-72767-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-041521	04/15/2021	320-72767-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	R-PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	R-EVE	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	Hydrolyzed PSDA	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-033121	03/31/2021	320-72329-2	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	R-PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	R-PSDA	0.016	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	PFO3OA	0.0046	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821	04/28/2021	320-73330-2	PFO3OA	0.0044	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFMOAA	0.045	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060221	06/02/2021	320-74900-1	R-EVE	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060221	06/02/2021	320-74900-1	Perfluoroheptanoic Acid	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	PMPA	0.026	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060721	06/07/2021	320-75079-1	PMPA	0.025	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-060721-D	06/07/2021	320-75079-2	PMPA	0.024	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	NVHOS, Acid Form	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	Perfluoroheptanoic Acid	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFO2HxA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PFO3OA	0.0036	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	R-EVE	0.0033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	R-PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	PMPA	0.036	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-052021	05/20/2021	320-74299-2	Hfpo Dimer Acid	0.022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	NVHOS, Acid Form	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFMOAA	0.037	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	R-EVE	0.0027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	Perfluoroheptanoic Acid	0.0066	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFO2HxA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PFO3OA	0.0040	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	R-PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	PMPA	0.038	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051721	05/17/2021	320-74299-1	Hfpo Dimer Acid	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFMOAA	0.032	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFMOAA	0.033	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021-D	05/10/2021	320-73801-4	PMPA	0.026	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021-D	05/10/2021	320-73801-4	PFMOAA	0.032	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051221	05/12/2021	320-73801-5	PMPA	0.023	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051221	05/12/2021	320-73801-5	PFMOAA	0.040	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PMPA	0.026	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PMPA	0.023	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	NVHOS, Acid Form	0.0058	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFMOAA	0.057	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	R-EVE	0.0039	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	Perfluoroheptanoic Acid	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFO2HxA	0.017	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PFO3OA	0.0031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	R-PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFMOAA	0.049	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	PMPA	0.035	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050621	05/06/2021	320-73801-2	Hfpo Dimer Acid	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	NVHOS, Acid Form	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	Perfluoroheptanoic Acid	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFO2HxA	0.014	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PFO3OA	0.0035	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	R-EVE	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	Hydrolyzed PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	PMPA	0.022	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-050321	05/03/2021	320-73801-1	Hfpo Dimer Acid	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-042721	04/27/2021	320-73330-1	Hydrolyzed PSDA	0.031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-042821-D	04/28/2021	320-73330-3	Hydrolyzed PSDA	0.019	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFO2HxA	0.0098	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFO2HxA	0.010	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFO3OA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CFR-TARHEEL-24-051021	05/10/2021	320-73801-3	PFO3OA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 01/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0121-SMW-11-011521	320-69118-1	Groundwater	N	01/15/2021	10:40	FS
CAP0121-SMW-11-011521-D	320-69118-2	Groundwater	N	01/15/2021	10:40	DUP
CAP0121-FBLK-011521	320-69118-3	Blank Water	N	01/15/2021	10:20	FB
CAP0121-EQBLK-PP-011521	320-69118-4	Blank Water	N	01/15/2021	10:00	EB
CAP0121-LTW-04-011921	320-69119-1	Groundwater	N	01/19/2021	12:35	FS
CAP0121-PZ-22-011921	320-69119-2	Groundwater	N	01/19/2021	13:45	FS
CAP0121-LTW-05-011921	320-69119-3	Groundwater	N	01/19/2021	15:55	FS
CAP0121-FBLK-011921	320-69119-4	Blank Water	N	01/19/2021	11:45	FB
CAP0121-EQBLK-PP-011921	320-69119-5	Blank Water	N	01/19/2021	16:00	EB
CAP0121-PW-04-011821	320-69182-1	Groundwater	N	01/18/2021	14:50	FS
CAP0121-PW-06-011821	320-69182-2	Groundwater	N	01/18/2021	13:15	FS
CAP0121-PW-07-011821	320-69182-3	Groundwater	N	01/18/2021	11:45	FS
CAP0121-FBLK-011821	320-69182-4	Blank Water	N	01/18/2021	11:50	FB
CAP0121-EQBLK-PP-011821	320-69182-5	Blank Water	N	01/18/2021	14:30	EB
CAP0121-PIW-1S-012721	320-69492-1	Groundwater	N	01/27/2021	14:02	FS
CAP0121-PIW-1D-012721	320-69492-2	Groundwater	N	01/27/2021	14:00	FS
CAP0121-PIW-7S-012721	320-69492-3	Groundwater	N	01/27/2021	10:48	FS
CAP0121-PIW-7D-012721	320-69492-4	Groundwater	N	01/27/2021	10:55	FS
CAP0121-EQBLK-PP-012721	320-69494-1	Blank Water	N	01/27/2021	08:15	EB
CAP0121-EQBLK-PP-012721-Z	320-69494-2	Blank Water	Y	01/27/2021	16:10	EB
CAP0121-FBLK-012721	320-69494-3	Blank Water	N	01/27/2021	10:15	FB
CAP0121-LTW-02-012721	320-69494-4	Groundwater	N	01/27/2021	12:35	FS
CAP0121-PW-09-012721-Z	320-69495-1	Groundwater	Y	01/27/2021	15:15	FS
CAP0121-SMW-12-012921	320-69610-2	Groundwater	N	01/29/2021	11:55	FS
CAP0121-PIW-3D-012921	320-69610-3	Groundwater	N	01/29/2021	12:00	FS
CAP0121-EQBLK-DV-012921	320-69610-4	Blank Water	N	01/29/2021	14:50	EB
CAP0121-FBLK-012921	320-69610-5	Blank Water	N	01/29/2021	12:15	FB
CAP0121-EQBLK-PP-012921	320-69610-6	Blank Water	N	01/29/2021	12:20	EB
CAP0121-SMW-10-012821	320-69612-1	Groundwater	N	01/28/2021	11:55	FS
CAP0121-LTW-03-012821	320-69612-2	Groundwater	N	01/28/2021	12:50	FS
CAP0121-LTW-01-012821	320-69612-3	Groundwater	N	01/28/2021	16:00	FS
CAP0121-EQBLK-DV-012821	320-69612-4	Blank Water	N	01/28/2021	12:30	EB
CAP0121-FBLK-012821	320-69612-5	Blank Water	N	01/28/2021	14:40	FB
CAP0121-EQBLK-PP-012821	320-69612-6	Blank Water	N	01/28/2021	12:15	EB

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 01/21

ADQM Data Review Checklist

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

* See DVM Narrative Report, Lab 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 is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012821	01/28/2021	320-69612-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-DV-012921	01/29/2021	320-69610-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011521	01/15/2021	320-69118-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011821	01/18/2021	320-69182-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-011921	01/19/2021	320-69119-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721	01/27/2021	320-69494-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012721-Z	01/27/2021	320-69494-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012821	01/28/2021	320-69612-6	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012921	01/29/2021	320-69610-6	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011521	01/15/2021	320-69118-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011821	01/18/2021	320-69182-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-011921	01/19/2021	320-69119-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012721	01/27/2021	320-69494-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012821	01/28/2021	320-69612-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-FBLK-012921	01/29/2021	320-69610-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-10-012821	01/28/2021	320-69612-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorononanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorodecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoroundecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorododecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorotetradecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorotridecanoic Acid (TRIAL)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	PFHxDA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorooctadecanoic acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-FBLK-011921	01/19/2021	320-69119-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorobutanoic Acid	0.017	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluoropentanoic Acid	0.053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-12-012921	01/29/2021	320-69610-2	Perfluorohexanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorobutanoic Acid	0.022	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluoroheptanoic Acid	0.013	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	PFOA	0.061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorobutanoic Acid	0.022	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoroheptanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	PFOA	0.061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluoropentanoic Acid	0.033	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521-D	01/15/2021	320-69118-2	Perfluorohexanoic Acid	0.0096	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	PFOA (trial)	0.063	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorobutanoic Acid (trial)	0.022	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoropentanoic Acid (trial)	0.033	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorohexanoic Acid (trial)	0.010	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoroheptanoic Acid (trial)	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluoropentanoic Acid	0.034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SMW-11-011521	01/15/2021	320-69118-1	Perfluorohexanoic Acid	0.0099	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorobutanoic Acid	0.12	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluoroheptanoic Acid	0.027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorobutanoic Acid	0.022	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluoroheptanoic Acid	0.0039	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	PFOA	0.0041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluoropentanoic Acid	0.93	UG/L	PQL		0.0043	J	537 Modified		3535_PFC
CAP0121-PZ-22-011921	01/19/2021	320-69119-2	Perfluorohexanoic Acid	0.019	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-09-012721-Z	01/27/2021	320-69495-1	Perfluorohexanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluoropentanoic Acid	0.016	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-07-011821	01/18/2021	320-69182-3	Perfluorohexanoic Acid	0.0031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorobutanoic Acid	0.011	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluoroheptanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	PFOA	0.0070	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorobutanoic Acid	0.0057	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluoroheptanoic Acid	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	PFOA	0.0033	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluoropentanoic Acid	0.016	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-06-011821	01/18/2021	320-69182-2	Perfluorohexanoic Acid	0.0038	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluoropentanoic Acid	0.0067	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PW-04-011821	01/18/2021	320-69182-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorobutanoic Acid	0.23	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluoroheptanoic Acid	0.079	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	PFOA	0.020	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorobutanoic Acid	0.12	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluoroheptanoic Acid	0.069	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	PFOA	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluoropentanoic Acid	0.80	UG/L	PQL		0.0023	J	537 Modified		3535_PFC
CAP0121-PIW-7S-012721	01/27/2021	320-69492-3	Perfluorohexanoic Acid	0.037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluoropentanoic Acid	1.0	UG/L	PQL		0.0023	J	537 Modified		3535_PFC
CAP0121-PIW-7D-012721	01/27/2021	320-69492-4	Perfluorohexanoic Acid	0.023	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorobutanoic Acid	0.066	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluoroheptanoic Acid	0.031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorononanoic Acid	0.0048	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	PFOA	0.040	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorobutanoic Acid	0.060	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluoroheptanoic Acid	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluoropentanoic Acid	0.15	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-3D-012921	01/29/2021	320-69610-3	Perfluorohexanoic Acid	0.018	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	PFOA	0.030	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorodecanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorobutanoic Acid	0.042	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluoroheptanoic Acid	0.016	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorononanoic Acid	0.0072	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	PFOA	0.0088	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorobutanoic Acid	0.15	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluoroheptanoic Acid	0.26	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluoropentanoic Acid	0.079	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1S-012721	01/27/2021	320-69492-1	Perfluorohexanoic Acid	0.016	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluoropentanoic Acid	0.15	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-PIW-1D-012721	01/27/2021	320-69492-2	Perfluorohexanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	PFOA	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorobutanoic Acid	0.40	UG/L	PQL		0.021	J	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluoroheptanoic Acid	0.071	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	PFOA	0.0091	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	PFOA	0.053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluoropentanoic Acid	1.2	UG/L	PQL		0.0044	J	537 Modified		3535_PFC
CAP0121-LTW-05-011921	01/19/2021	320-69119-3	Perfluorohexanoic Acid	0.041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluoropentanoic Acid	1.5	UG/L	PQL		0.0044	J	537 Modified		3535_PFC
CAP0121-LTW-04-011921	01/19/2021	320-69119-1	Perfluorohexanoic Acid	0.041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorobutanoic Acid	0.14	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluoroheptanoic Acid	0.023	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorobutanoic Acid	0.054	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluoroheptanoic Acid	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluoropentanoic Acid	0.77	UG/L	PQL		0.0023	J	537 Modified		3535_PFC
CAP0121-LTW-03-012821	01/28/2021	320-69612-2	Perfluorohexanoic Acid	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluoropentanoic Acid	0.22	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-02-012721	01/27/2021	320-69494-4	Perfluorohexanoic Acid	0.0088	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorobutanoic Acid	0.14	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluoroheptanoic Acid	0.052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorononanoic Acid	0.0023	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluoropentanoic Acid	0.38	UG/L	PQL		0.0021	J	537 Modified		3535_PFC
CAP0121-LTW-01-012821	01/28/2021	320-69612-3	Perfluorohexanoic Acid	0.026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 04/21 (updated)

Project Reviewer: Brandon Cordova and Michael Aucoin

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
CAP0421-PW-09-041321	320-72480-1	Groundwater	N	04/13/2021	12:45	FS
CAP0421-SMW-11-041321	320-72480-2	Groundwater	N	04/13/2021	15:33	FS
CAP0421-EQBLK-PP-041321	320-72480-3	Blank Water	N	04/13/2021	13:15	EB
CAP0421-PW-04-041421	320-72547-1	Groundwater	N	04/14/2021	12:55	FS
CAP0421-PW-06-041421	320-72547-2	Groundwater	N	04/14/2021	10:35	FS
CAP0421-PW-07-041421	320-72547-3	Groundwater	N	04/14/2021	11:30	FS
CAP0421-SMW-12-041421	320-72547-4	Groundwater	N	04/15/2021	13:55	FS
CAP0421-EQBLK-DV-041421	320-72547-5	Blank Water	N	04/15/2021	15:30	EB
CAP0421-PIW-1S-041621	320-72751-1	Groundwater	N	04/16/2021	10:25	FS
CAP0421-PIW-1D-041621	320-72751-2	Groundwater	N	04/16/2021	09:30	FS
CAP0421-LTW-03-042221	320-72908-1	Groundwater	N	04/22/2021	12:55	FS
CAP0421-LTW-04-042221	320-72908-2	Groundwater	N	04/22/2021	11:00	FS
CAP0421-PIW-7S-042221	320-72908-3	Groundwater	N	04/22/2021	08:40	FS
CAP0421-PIW-7D-042221	320-72908-4	Groundwater	N	04/22/2021	08:45	FS
CAP0421-PZ-22-042221	320-72908-5	Groundwater	N	04/22/2021	11:10	FS
CAP0421-LTW-05-042721	320-73105-1	Groundwater	N	04/27/2021	15:30	FS
CAP0421-LTW-05-042721-D	320-73105-2	Groundwater	N	04/27/2021	15:30	DUP

CAP0421-SMW-10-042721	320-73105-3	Groundwater	N	04/27/2021	17:00	FS
CAP0421-LTW-01-043021	320-73333-1	Groundwater	N	04/30/2021	11:10	FS
CAP0421-LTW-02-042921	320-73333-2	Groundwater	N	04/29/2021	15:50	FS
CAP0421-PIW-3D-042921	320-73333-3	Groundwater	N	04/29/2021	12:15	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 TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 04/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 04/21

ADQM Data Review Checklist

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

ER#	Description

Other QA/QC Items to Note:

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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

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

The DVM assigned qualifiers for poor field duplicate precision but the validation qualifiers and validation reason code were removed following manual review of the parent sample/field duplicate reporting limits.

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-PP-041321	04/13/2021	320-72480-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorononanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorodecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoroundecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorododecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorotetradecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorotridecanoic Acid (TRIAL)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	PFHxDA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorooctadecanoic acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PW-09-041321	04/13/2021	320-72480-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-10-042721	04/27/2021	320-73105-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	R-PSDA	0.071	UG/L	PQL		0.071	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	R-EVE	0.072	UG/L	PQL		0.072	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Hydro-PS Acid	0.0061	ug/L	PQL		0.0061	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Hydro-EVE Acid	0.014	UG/L	PQL		0.014	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Hydrolyzed PSDA	0.038	UG/L	PQL		0.038	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	R-EVE	0.072	UG/L	PQL		0.072	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-EQBLK-DV-041421	04/15/2021	320-72547-5	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	PFECA-G	0.0096	UG/L	PQL		0.0096	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	PFECA-G	0.0048	UG/L	PQL		0.0048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PW-04-041421	04/14/2021	320-72547-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PW-06-041421	04/14/2021	320-72547-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PW-07-041421	04/14/2021	320-72547-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	PFECA-G	0.0096	UG/L	PQL		0.0096	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	PEPA	0.52	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	PEPA	0.51	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	PFO4DA	0.22	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	R-PSDA	0.086	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	R-EVE	0.083	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorobutanoic Acid	0.017	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluoropentanoic Acid	0.053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SMW-12-041421	04/15/2021	320-72547-4	Perfluorohexanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorobutanoic Acid	0.019	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluoroheptanoic Acid	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	PFOA	0.081	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorobutanoic Acid	0.10	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluoroheptanoic Acid	0.013	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluoropentanoic Acid	0.027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SMW-11-041321	04/13/2021	320-72480-2	Perfluorohexanoic Acid	0.0077	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluoropentanoic Acid	0.88	UG/L	PQL		0.0046	J	537 Modified		3535_PFC
CAP0421-PZ-22-042221	04/22/2021	320-72908-5	Perfluorohexanoic Acid	0.014	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorobutanoic Acid	0.019	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	PFOA	0.0043	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorobutanoic Acid	0.011	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluoroheptanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	PFOA	0.0067	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluoropentanoic Acid	0.013	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-07-041421	04/14/2021	320-72547-3	Perfluorohexanoic Acid	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluoropentanoic Acid	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-06-041421	04/14/2021	320-72547-2	Perfluorohexanoic Acid	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluorobutanoic Acid	0.0067	UG/L	PQL		0.0050	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluoroheptanoic Acid	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	PFOA	0.0036	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PW-04-041421	04/14/2021	320-72547-1	Perfluoropentanoic Acid	0.0066	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorobutanoic Acid	0.19	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluoroheptanoic Acid	0.070	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	PFOA	0.020	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorobutanoic Acid	0.16	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluoroheptanoic Acid	0.10	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	PFOA	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluoropentanoic Acid	0.62	UG/L	PQL		0.0046	J	537 Modified		3535_PFC
CAP0421-PIW-7S-042221	04/22/2021	320-72908-3	Perfluorohexanoic Acid	0.033	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluoropentanoic Acid	1.2	UG/L	PQL		0.0044	J	537 Modified		3535_PFC
CAP0421-PIW-7D-042221	04/22/2021	320-72908-4	Perfluorohexanoic Acid	0.031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorobutanoic Acid	0.061	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluoroheptanoic Acid	0.027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorononanoic Acid	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFOA	0.035	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluorohexanoic Acid	0.018	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluoropentanoic Acid	0.12	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	PFOA	0.035	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorodecanoic Acid	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorobutanoic Acid	0.035	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluoroheptanoic Acid	0.013	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorononanoic Acid	0.0082	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorobutanoic Acid	0.057	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluoroheptanoic Acid	0.013	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	PFOA	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluoropentanoic Acid	0.051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1S-041621	04/16/2021	320-72751-1	Perfluorohexanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluoropentanoic Acid	0.15	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-PIW-1D-041621	04/16/2021	320-72751-2	Perfluorohexanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorobutanoic Acid	0.17	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluoroheptanoic Acid	0.28	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	PFOA	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorobutanoic Acid	0.18	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoroheptanoic Acid	0.28	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	PFOA	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluoropentanoic Acid	1.5	UG/L	PQL		0.0090	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721-D	04/27/2021	320-73105-2	Perfluorohexanoic Acid	0.052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	PFOA (trial)	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorobutanoic Acid (trial)	0.18	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoropentanoic Acid (trial)	1.5	UG/L	PQL		0.0086	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorohexanoic Acid (trial)	0.052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoroheptanoic Acid (trial)	0.27	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluoropentanoic Acid	1.5	UG/L	PQL		0.0086	J	537 Modified		3535_PFC
CAP0421-LTW-05-042721	04/27/2021	320-73105-1	Perfluorohexanoic Acid	0.051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorobutanoic Acid	0.39	UG/L	PQL		0.021	J	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluoroheptanoic Acid	0.068	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	PFOA	0.0080	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorobutanoic Acid	0.13	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluoroheptanoic Acid	0.020	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluoropentanoic Acid	1.5	UG/L	PQL		0.0043	J	537 Modified		3535_PFC
CAP0421-LTW-04-042221	04/22/2021	320-72908-2	Perfluorohexanoic Acid	0.039	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluoropentanoic Acid	0.69	UG/L	PQL		0.0044	J	537 Modified		3535_PFC
CAP0421-LTW-03-042221	04/22/2021	320-72908-1	Perfluorohexanoic Acid	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorohexanoic Acid	0.0061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluorobutanoic Acid	0.042	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluoroheptanoic Acid	0.0086	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluoropentanoic Acid	0.18	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorobutanoic Acid	0.12	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluoroheptanoic Acid	0.046	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorononanoic Acid	0.0023	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFOA	0.049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluorohexanoic Acid	0.025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluoropentanoic Acid	0.31	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Hydro-PS Acid	0.15	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Hydro-EVE Acid	0.057	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	NVHOS, Acid Form	0.079	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFO2HxA	9.0	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFO3OA	1.6	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFO4DA	0.73	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFO5DA	0.14	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PFMOAA	5.5	ug/L	PQL		0.040	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PEPA	3.9	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	PMPA	9.7	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-PIW-3D-042921	04/29/2021	320-73333-3	Hfpo Dimer Acid	12	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	NVHOS, Acid Form	0.26	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFMOAA	26	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFO2HxA	11	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFO3OA	2.4	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PFO4DA	0.12	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Perfluoroheptanoic Acid	0.14	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PEPA	1.5	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Hydrolyzed PSDA	0.84	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	PMPA	4.3	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-02-042921	04/29/2021	320-73333-2	Hfpo Dimer Acid	7.0	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Hydro-PS Acid	0.37	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Hydro-EVE Acid	0.13	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	NVHOS, Acid Form	0.37	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFO2HxA	26	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFO3OA	5.1	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFO4DA	1.4	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFO5DA	0.31	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PFMOAA	27	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Perfluoroheptanoic Acid	0.20	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	R-EVE	0.76	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PEPA	8.5	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	R-PSDA	1.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Hydrolyzed PSDA	0.54	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	PMPA	20	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-LTW-01-043021	04/30/2021	320-73333-1	Hfpo Dimer Acid	23	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW Sampling 05/21

Project Reviewer: Bridget Gavaghan

Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0521-PW-06-051021	320-73599-1	Groundwater	N	05/10/2021	11:35	FS
CAP0521-PW-06-051021-D	320-73599-2	Groundwater	N	05/10/2021	11:35	DUP
CAP0521-PW-07-050721	320-73649-1	Groundwater	N	05/07/2021	12:25	FS
CAP0521-PW-04-051021	320-73649-2	Groundwater	N	05/10/2021	13:25	FS
CAP0521-EQBLK-PP-050721	320-73649-3	Blank Water	N	05/07/2021	11:25	EB
CAP0521-PW-09-051321	320-73721-1	Groundwater	N	05/13/2021	15:25	FS
CAP0521-PW-09-051321-Z	320-73721-2	Groundwater	Y	05/13/2021	15:25	FS
CAP0521-SMW-11-051221	320-73721-3	Groundwater	N	05/12/2021	14:40	FS
CAP0521-LTW-01-051721	320-74035-1	Groundwater	N	05/17/2021	12:45	FS
CAP0521-LTW-02-051721	320-74035-2	Groundwater	N	05/17/2021	11:20	FS
CAP0521-PIW-1D-051721	320-74035-3	Groundwater	N	05/17/2021	11:35	FS
CAP0521-PIW-3D-051721	320-74035-4	Groundwater	N	05/17/2021	16:00	FS
CAP0521-LTW-05-051821	320-74035-5	Groundwater	N	05/18/2021	15:30	FS
CAP0521-LTW-03-051821	320-74042-1	Groundwater	N	05/18/2021	13:20	FS
CAP0521-LTW-04-051921	320-74042-2	Groundwater	N	05/19/2021	11:05	FS
CAP0521-PZ-22-051921	320-74042-3	Groundwater	N	05/19/2021	11:55	FS
CAP0521-PIW-7D-051921	320-74042-4	Groundwater	N	05/19/2021	14:45	FS
CAP0521-PIW-7S-051921	320-74042-5	Groundwater	N	05/19/2021	15:35	FS
CAP0521-SMW-12-052121	320-74290-1	Groundwater	N	05/21/2021	11:40	FS
CAP0521-SMW-10-052121	320-74290-2	Groundwater	N	05/21/2021	11:15	FS
CAP0521-EQBLK-DV-052121	320-74290-3	Blank Water	N	05/21/2021	13:30	EB
CAP0521-PIW-1S-052021	320-74290-4	Groundwater	N	05/20/2021	12:20	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Name	Sampling Program
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	EVE Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hfpo Dimer Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-EVE Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydro-PS Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Hydrolyzed PSDA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	NVHOS, Acid Form	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PEPA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Perfluoroheptanoic Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PES	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA B	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFECA-G	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFMOAA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO2HxA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO3OA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO4DA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PFO5DA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PMPA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	PS Acid	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-EVE	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDA	CAP MW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	R-PSDCA	CAP MW Sampling 05/21

ADQM Data Review Checklist

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

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-EQBLK-DV-052121	05/21/2021	320-74290-3	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-EQBLK-PP-050721	05/07/2021	320-73649-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	Hydro-PS Acid	0.0061	ug/L	PQL		0.0061	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	Hydrolyzed PSDA	0.038	UG/L	PQL		0.038	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFMOAA	0.080	ug/L	PQL		0.080	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	Hydrolyzed PSDA	0.038	UG/L	PQL		0.038	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-06-051021	05/10/2021	320-73599-1	PFMOAA	0.080	ug/L	PQL		0.080	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-06-051021	05/10/2021	320-73599-1	PFMOAA	0.080	ug/L	PQL		0.080	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-06-051021-D	05/10/2021	320-73599-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-10-052121	05/21/2021	320-74290-2	PFMOAA	0.080	ug/L	PQL		0.080	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PW-06-051021	05/10/2021	320-73599-1	PEPA	0.43	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-06-051021	05/10/2021	320-73599-1	PEPA	0.50	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-06-051021-D	05/10/2021	320-73599-2	PFMOAA	0.38	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	PFO2HxA	2.2	ug/L	PQL		0.0027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	PFO3OA	0.42	ug/L	PQL		0.0039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	PFO4DA	0.17	ug/L	PQL		0.0059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	PFMOAA	3.4	ug/L	PQL		0.0080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	Hydro-PS Acid	0.072	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	Hydro-EVE Acid	0.016	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-12-052121	05/21/2021	320-74290-1	PFMOAA	4.7	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	PMPA	1.8	UG/L	PQL		0.062	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SMW-11-051221	05/12/2021	320-73721-3	Hfpo Dimer Acid	3.1	UG/L	PQL		0.0081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	Hydro-PS Acid	0.025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	Hydro-EVE Acid	0.0070	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	NVHOS, Acid Form	0.0057	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFMOAA	0.29	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	R-PSDA	0.057	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	Perfluoroheptanoic Acid	0.0037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFO2HxA	0.63	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFO3OA	0.085	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PFO4DA	0.072	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	R-EVE	0.025	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PEPA	0.19	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	PMPA	0.71	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PW-07-050721	05/07/2021	320-73649-1	Hfpo Dimer Acid	0.53	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	Hydro-PS Acid	0.14	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	Hydro-EVE Acid	0.047	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	NVHOS, Acid Form	0.085	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	Perfluoroheptanoic Acid	0.58	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFO2HxA	8.7	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFO3OA	1.5	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFO4DA	0.94	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFO5DA	0.12	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PFMOAA	5.7	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	R-EVE	0.29	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PEPA	3.6	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	R-PSDA	0.51	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	R-PSDA	0.40	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	PMPA	14	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-3D-051721	05/17/2021	320-74035-4	Hfpo Dimer Acid	12	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	Hydro-PS Acid	0.13	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	Hydro-EVE Acid	0.020	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	NVHOS, Acid Form	0.038	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	Perfluoroheptanoic Acid	0.26	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFO2HxA	5.1	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFO3OA	0.58	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PFO4DA	0.25	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	R-EVE	0.27	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PEPA	2.8	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	PMPA	8.8	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1S-052021	05/20/2021	320-74290-4	Hfpo Dimer Acid	8.2	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	Hydro-EVE Acid	0.030	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	NVHOS, Acid Form	0.22	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFMOAA	19	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	R-EVE	0.19	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PEPA	3.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	Perfluoroheptanoic Acid	0.59	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFO2HxA	9.9	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFO3OA	1.7	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PFO4DA	0.39	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	R-PSDA	0.28	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	Hydrolyzed PSDA	0.061	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFMOAA	34	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	PMPA	15	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-PIW-1D-051721	05/17/2021	320-74035-3	Hfpo Dimer Acid	11	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	Hydro-PS Acid	0.021	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	Hydro-EVE Acid	0.048	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	NVHOS, Acid Form	0.52	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	Perfluoroheptanoic Acid	0.54	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFO2HxA	14	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFO3OA	2.7	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PFO4DA	0.21	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	R-EVE	0.38	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PEPA	1.8	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	R-PSDA	0.43	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	Hydrolyzed PSDA	1.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	PMPA	11	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-02-051721	05/17/2021	320-74035-2	Hfpo Dimer Acid	8.2	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	Hydro-PS Acid	0.36	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	Hydro-EVE Acid	0.14	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	NVHOS, Acid Form	0.42	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	Perfluoroheptanoic Acid	0.50	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFO2HxA	27	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFO3OA	5.3	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFO4DA	1.6	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFO5DA	0.27	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PFMOAA	35	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	R-EVE	0.86	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP MW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PEPA	8.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	R-PSDA	1.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	Hydrolyzed PSDA	0.94	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	PMPA	26	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-LTW-01-051721	05/17/2021	320-74035-1	Hfpo Dimer Acid	24	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP MW 06/21

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0621-SMW-11-060421	320-74737-1	Groundwater	N	06/04/2021	13:15	FS
CAP0621-EQBLK-PP-060421	320-74737-2	Blank Water	N	06/04/2021	11:30	EB
CAP0621-PW-06-060321	320-74737-3	Groundwater	N	06/03/2021	10:55	FS
CAP0621-PIW-1D-060321	320-74737-4	Groundwater	N	06/03/2021	11:55	FS
CAP0621-SMW-10-060421	320-74747-1	Groundwater	N	06/04/2021	11:30	FS
CAP0621-SMW-10-060421-D	320-74747-2	Groundwater	N	06/04/2021	11:30	DUP
CAP0621-PW-09-062321	320-75554-1	Groundwater	N	06/23/2021	14:50	FS
CAP0621-PW-09-062321-Z	320-75554-2	Groundwater	Y	06/23/2021	14:50	FS
CAP0621-EQBLK-DV-062321	320-75554-3	Blank Water	N	06/23/2021	17:30	EB
CAP0621-LTW-03-062421	320-75554-4	Groundwater	N	06/24/2021	13:55	FS
CAP0621-LTW-04-062421	320-75555-1	Groundwater	N	06/24/2021	11:20	FS
CAP0621-PZ-22-062421	320-75555-2	Groundwater	N	06/24/2021	11:20	FS
CAP0621-PIW-7D-062421	320-75555-3	Groundwater	N	06/24/2021	14:40	FS
CAP0621-PIW-7S-062421	320-75555-4	Groundwater	N	06/24/2021	14:35	FS
CAP0621-PW-04-062121	320-75557-1	Groundwater	N	06/21/2021	14:50	FS
CAP0621-PW-07-062121	320-75557-2	Groundwater	N	06/21/2021	13:15	FS
CAP0621-PIW-1S-062221	320-75557-3	Groundwater	N	06/22/2021	15:50	FS
CAP0621-LTW-05-062221	320-75557-4	Groundwater	N	06/22/2021	13:05	FS
CAP0621-LTW-01-062321	320-75559-1	Groundwater	N	06/23/2021	16:00	FS
CAP0621-LTW-02-062321	320-75559-2	Groundwater	N	06/23/2021	16:55	FS
CAP0621-SMW-12-062321	320-75559-3	Groundwater	N	06/23/2021	11:20	FS
CAP0621-PIW-3D-062321	320-75559-4	Groundwater	N	06/23/2021	15:10	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 06/21

ADQM Data Review Checklist

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

* See DVM Narrative Report, Lab 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 is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP MW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-SMW-10-060421	06/04/2021	320-74747-1	PMPA	1.2	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SMW-10-060421-D	06/04/2021	320-74747-2	PMPA	0.81	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 1/21

Project Reviewer: Brandon Cordova

AECOM Imagine it. Delivered.

Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0121-WC-1-24-012721	320-69414-1	Surface Water	N	01/27/2021	07:00	FS
RIVER-WATER-INTAKE-24-012721	320-69414-2	Surface Water	N	01/27/2021	07:06	FS
CAP0121-WC-1-24-012721-D	320-69417-1	Surface Water	N	01/27/2021	07:00	DUP
CAP0121-SEEP-A-24-012721	320-69417-2	Surface Water	N	01/27/2021	07:24	FS
CAP0121-SEEP-A-24-012721-Z	320-69417-3	Surface Water	Y	01/27/2021	07:24	FS
CAP0121-SEEP-C-24-012721	320-69417-4	Surface Water	N	01/27/2021	07:48	FS
CAP0121-CFR-BLADEN-012621	320-69420-1	Surface Water	N	01/26/2021	14:25	FS
CAP0121-CFR-RM-76-012621	320-69420-2	Surface Water	N	01/26/2021	10:05	FS
CAP0121-EQBLK-PP-012621	320-69420-3	Blank Water	N	01/26/2021	17:15	EB
CAP0121-EQBLK-ISCO-012721	320-69420-4	Blank Water	N	01/27/2021	16:00	EB
CAP0121-OUTFALL-002-24-012721	320-69424-1	Surface Water	N	01/27/2021	07:48	FS
CAP0121-LOCK-DAM-SEEP-012621	320-69424-2	Surface Water	N	01/26/2021	12:00	FS
CAP0121-GBC-1-012621	320-69424-3	Surface Water	N	01/26/2021	13:55	FS
CAP0121-CFR-TARHEEL-012621	320-69424-4	Surface Water	N	01/26/2021	15:00	FS
CAP0121-CFR-TARHEEL-24-012721	320-69495-2	Surface Water	N	01/27/2021	15:10	FS
CAP0121-OLDOF-1-012721	320-69549-1	Surface Water	N	01/27/2021	13:00	FS
CAP0121-SEEP-B-012721	320-69549-2	Surface Water	N	01/27/2021	10:40	FS
CAP0121-SEEP-D-012721	320-69549-3	Surface Water	N	01/27/2021	12:30	FS
CAP0121-CFR-KINGS-012821	320-69610-1	Surface Water	N	01/28/2021	14:10	FS

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Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 01/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 01/21

AECOM Imagine it. Delivered.

ADQM Data Review Checklist

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

ER#	Description

Other QA/QC Items to Note: Due to their large file size, the lab reports are stored on a network shared drive and are available to be posted on external shared drives, or on a flash drive.

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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

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Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

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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.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-ISCO-012721	01/27/2021	320-69420-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-EQBLK-PP-012621	01/26/2021	320-69420-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorononanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorodecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoroundecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorododecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorotetradecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorotridecanoic Acid (TRIAL)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	PFHxDA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorooctadecanoic acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorobutanoic Acid (trial)	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoropentanoic Acid (trial)	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorohexanoic Acid (trial)	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoroheptanoic Acid (trial)	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	PFOA (trial)	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoroheptanoic Acid	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	PFOA	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluoropentanoic Acid	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE-24-012721	01/27/2021	320-69414-2	Perfluorohexanoic Acid	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	PFOA	0.0031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	PFOA	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluoropentanoic Acid	0.0045	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721	01/27/2021	320-69414-1	Perfluorohexanoic Acid	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluoropentanoic Acid	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-WC-1-24-012721-D	01/27/2021	320-69417-1	Perfluorohexanoic Acid	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	PFOA	0.016	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorobutanoic Acid	0.17	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluoroheptanoic Acid	0.082	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorononanoic Acid	0.0039	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluoropentanoic Acid	0.63	UG/L	PQL		0.0023	J	537 Modified		3535_PFC
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	Perfluorohexanoic Acid	0.037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-C-24-012721	01/27/2021	320-69417-4	Perfluoropentanoic Acid	0.0074	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	PFOA	0.029	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	PFOA	0.034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorodecanoic Acid	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorobutanoic Acid	0.45	UG/L	PQL		0.012	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluoroheptanoic Acid	0.10	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorononanoic Acid	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluoropentanoic Acid	0.88	UG/L	PQL		0.0024	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	Perfluorohexanoic Acid	0.031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorobutanoic Acid	0.21	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluoroheptanoic Acid	0.060	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorononanoic Acid	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluoropentanoic Acid	0.32	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721-Z	01/27/2021	320-69417-3	Perfluorohexanoic Acid	0.027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	PFOA	0.031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorodecanoic Acid	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorobutanoic Acid	0.19	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluoroheptanoic Acid	0.057	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorononanoic Acid	0.028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorobutanoic Acid	0.0057	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	PFOA	0.0069	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluoroundecanoic Acid	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluoropentanoic Acid	0.32	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-SEEP-A-24-012721	01/27/2021	320-69417-2	Perfluorohexanoic Acid	0.022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluoropentanoic Acid	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OUTFALL-002-24-012721	01/27/2021	320-69424-1	Perfluorohexanoic Acid	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorobutanoic Acid	0.0098	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluoroheptanoic Acid	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	PFOA	0.0053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	PFOA	0.019	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluoropentanoic Acid	0.019	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	Perfluorohexanoic Acid	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorobutanoic Acid	0.031	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluoroheptanoic Acid	0.015	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorononanoic Acid	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorobutanoic Acid	0.0076	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	PFOA	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluoropentanoic Acid	0.15	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-LOCK-DAM-SEEP-012621	01/26/2021	320-69424-2	Perfluorohexanoic Acid	0.0068	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluoroheptanoic Acid	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	PFOA	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluoroheptanoic Acid	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	PFOA	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluoropentanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-24-012721	01/27/2021	320-69495-2	Perfluorohexanoic Acid	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluoropentanoic Acid	0.0057	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-TARHEEL-012621	01/26/2021	320-69424-4	Perfluorohexanoic Acid	0.0053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluoropentanoic Acid	0.0065	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-GBC-1-012621	01/26/2021	320-69424-3	Perfluorohexanoic Acid	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluoroheptanoic Acid	0.0025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	PFOA	0.0064	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluoroheptanoic Acid	0.0024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	PFOA	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluoropentanoic Acid	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-RM-76-012621	01/26/2021	320-69420-2	Perfluorohexanoic Acid	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluoropentanoic Acid	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-KINGS-012821	01/28/2021	320-69610-1	Perfluorohexanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluoroheptanoic Acid	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	PFOA	0.0054	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluoropentanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0121-CFR-BLADEN-012621	01/26/2021	320-69420-1	Perfluorohexanoic Acid	0.0048	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 01/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0121-SEEP-D-012721	01/27/2021	320-69549-3	PFO3OA	7.0	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0121-SEEP-B-012721	01/27/2021	320-69549-2	PFO3OA	5.6	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0121-OLDOF-1-012721	01/27/2021	320-69549-1	PFO3OA	0.42	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

AECOM Imagine it. Delivered.

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 04/21

Project Reviewer: Brandon Cordova

AECOM Imagine it. Delivered.

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP0421-WC-1-24-042121	320-72803-1	Surface Water	N	04/21/2021	07:00	FS
CAP0421-OLDOF-1-24-042121	320-72803-2	Surface Water	N	04/21/2021	08:18	FS
CAP0421-CFR-TARHEEL-5-042121	320-72803-3	Surface Water	N	04/21/2021	14:48	FS
CAP0421-EQBLK-IS-042121	320-72803-4	Blank Water	N	04/21/2021	15:00	EB
CAP0421-OUTFALL-002-24-042121	320-72808-1	Surface Water	N	04/21/2021	07:48	FS
CAP0421-OUTFALL-002-24-042121D	320-72808-2	Surface Water	N	04/21/2021	07:48	DUP
RIVER-WATER-INTAKE2-24-042121	320-72808-3	Surface Water	N	04/21/2021	07:06	FS
CAP0421-CFR-RM-76-042021	320-72813-1	Surface Water	N	04/20/2021	09:30	FS
CAP0421-CFR-BLADEN-042021	320-72813-2	Surface Water	N	04/20/2021	13:55	FS
CAP0421-CFR-TARHEEL-042021	320-72813-3	Surface Water	N	04/20/2021	15:00	FS
CAP0421-GBC-1-042021	320-72813-4	Surface Water	N	04/20/2021	12:15	FS
CAP0421-SEEP-A-1-042121	320-72815-1	Surface Water	N	04/21/2021	10:50	FS
CAP0421-SEEP-B-1-23-042121	320-72815-2	Surface Water	N	04/21/2021	07:36	FS
CAP0421-SEEP-C-1-20-042121	320-72815-3	Surface Water	N	04/21/2021	07:54	FS
CAP0421-SEEP-D-1-23-042121	320-72815-4	Surface Water	N	04/21/2021	08:00	FS
CAP0421-SEEP-A-1-6-042121	320-72908-6	Surface Water	N	04/21/2021	18:00	FS
CAP0421-CFR-TARHEEL-24-042221	320-72908-7	Surface Water	N	04/22/2021	13:20	FS
CAP0421-CFR-KINGS-042321	320-72908-8	Surface Water	N	04/23/2021	11:40	FS

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

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Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 04/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 04/21

AECOM Imagine it. Delivered.

ADQM Data Review Checklist

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

ER#	Description

Other QA/QC Items to Note:
The data is acceptable for use without qualification except as listed in the DVM Narrative Report. The analytical reports are stored on a network drive due to the file size and will be made available for review upon request.

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. The data is acceptable for use without qualification.

OR

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

OR

The electronic data submitted for this project was reviewed via the Data Verification Module (DVM) process. Overall, the data is acceptable for use without qualification, except as noted above.

AECOM Imagine it. Delivered.

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-EQBLK-IS-042121	04/21/2021	320-72803-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-C-1-20-042121	04/21/2021	320-72815-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorooctadecanoic acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorohexadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorononanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorodecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoroundecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorododecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorotetradecanoic Acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorotridecanoic Acid (TRIAL)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	PFHxDA (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorooctadecanoic acid (trial)	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorobutanoic Acid (trial)	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	PFECA-G	0.002	UG/L	PQL		0.002	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	PFECA-G	0.002	UG/L	PQL		0.002	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	R-PSDA	0.043	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	R-EVE	0.05	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	R-EVE	0.011	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	R-EVE	0.0081	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	R-PSDA	0.069	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Hydrolyzed PSDA	0.66	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	R-EVE	0.091	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoroheptanoic Acid	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoropentanoic Acid (trial)	0.0060	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorohexanoic Acid (trial)	0.0048	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoroheptanoic Acid (trial)	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	PFOA (trial)	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	PFOA	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluoropentanoic Acid	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Perfluorohexanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	PFOA	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	PFOA	0.017	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluoropentanoic Acid	0.0075	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-WC-1-24-042121	04/21/2021	320-72803-1	Perfluorohexanoic Acid	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorobutanoic Acid	0.11	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluoroheptanoic Acid	0.051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorononanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	PFOA	0.044	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorodecanoic Acid	0.0042	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorobutanoic Acid	0.68	UG/L	PQL		0.022	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluoroheptanoic Acid	0.18	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorononanoic Acid	0.022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluoropentanoic Acid	1.4	UG/L	PQL		0.0045	J	537 Modified		3535_PFC
CAP0421-SEEP-B-1-23-042121	04/21/2021	320-72815-2	Perfluorohexanoic Acid	0.045	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorobutanoic Acid	0.27	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluoroheptanoic Acid	0.096	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorononanoic Acid	0.020	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluoropentanoic Acid	0.45	UG/L	PQL		0.0022	J	537 Modified		3535_PFC
CAP0421-SEEP-D-1-23-042121	04/21/2021	320-72815-4	Perfluorohexanoic Acid	0.024	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	PFOA	0.036	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	PFOA	0.037	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluoropentanoic Acid	0.63	UG/L	PQL		0.0048	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-6-042121	04/21/2021	320-72908-6	Perfluorohexanoic Acid	0.038	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorobutanoic Acid	0.27	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluoroheptanoic Acid	0.084	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorononanoic Acid	0.019	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluoroheptanoic Acid	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	PFOA	0.0071	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluoropentanoic Acid	0.55	UG/L	PQL		0.0022	J	537 Modified		3535_PFC
CAP0421-SEEP-A-1-042121	04/21/2021	320-72815-1	Perfluorohexanoic Acid	0.032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluoropentanoic Acid	0.0087	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121D	04/21/2021	320-72808-2	Perfluorohexanoic Acid	0.0053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluoroheptanoic Acid	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	PFOA	0.0068	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorobutanoic Acid	0.015	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluoroheptanoic Acid	0.0057	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	PFOA	0.0076	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluoropentanoic Acid	0.0083	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OUTFALL-002-24-042121	04/21/2021	320-72808-1	Perfluorohexanoic Acid	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluoropentanoic Acid	0.028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-OLDOF-1-24-042121	04/21/2021	320-72803-2	Perfluorohexanoic Acid	0.0034	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorobutanoic Acid	0.0082	UG/L	PQL		0.0050	J	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluoroheptanoic Acid	0.0022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	PFOA	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluoroheptanoic Acid	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	PFOA	0.0073	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluoropentanoic Acid	0.0083	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-GBC-1-042021	04/20/2021	320-72813-4	Perfluorohexanoic Acid	0.0028	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluoropentanoic Acid	0.0064	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-5-042121	04/21/2021	320-72803-3	Perfluorohexanoic Acid	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluoroheptanoic Acid	0.0032	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	PFOA	0.0067	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluoroheptanoic Acid	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	PFOA	0.0061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluoropentanoic Acid	0.0065	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-24-042221	04/22/2021	320-72908-7	Perfluorohexanoic Acid	0.0054	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluoropentanoic Acid	0.0056	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-TARHEEL-042021	04/20/2021	320-72813-3	Perfluorohexanoic Acid	0.0049	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluoroheptanoic Acid	0.0031	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	PFOA	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluoroheptanoic Acid	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	PFOA	0.0061	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluoropentanoic Acid	0.0058	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-RM-76-042021	04/20/2021	320-72813-1	Perfluorohexanoic Acid	0.0052	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluoropentanoic Acid	0.0063	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-KINGS-042321	04/23/2021	320-72908-8	Perfluorohexanoic Acid	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluoroheptanoic Acid	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	PFOA	0.0062	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluoropentanoic Acid	0.0058	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0421-CFR-BLADEN-042021	04/20/2021	320-72813-2	Perfluorohexanoic Acid	0.0053	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 04/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the rejection level. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-042121	04/21/2021	320-72808-3	Hydrolyzed PSDA	0.36	UG/L	PQL		0.002	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 05/21 (updated)

Project Reviewer: Bridget Gavaghan and Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample
DEEP-RIVER-MOUTH-052421	320-74287-1	Surface Water	N	05/24/2021	14:30	FS
CAP0521-HAW-RIVER-MOUTH-052421	320-74287-2	Surface Water	N	05/24/2021	14:00	FS
CAP0521-CFR-RM-54-052421	320-74287-3	Surface Water	N	05/24/2021	11:01	FS
CAP0521-CFR-RM-76-052521	320-74287-4	Surface Water	N	05/25/2021	11:35	FS
CAP0521-GBC-1-052521	320-74288-1	Surface Water	N	05/25/2021	16:00	FS
CAP0521-LOCK-DAM-SEEP-052521	320-74288-2	Surface Water	N	05/25/2021	14:55	FS
CAP0521-CFR-TARHEEL-052621	320-74300-1	Surface Water	N	05/26/2021	11:25	FS
CAP0521-CFR-BLADEN-052621	320-74300-2	Surface Water	N	05/26/2021	11:00	FS
CAP0521-SEEP-A-1-24-052621	320-74316-1	Surface Water	N	05/26/2021	08:00	FS
CAP0521-SEEP-C-1-24-052621	320-74316-3	Surface Water	N	05/26/2021	09:45	FS
CAP0521-SEEP-D-1-18-052621	320-74316-4	Surface Water	N	05/26/2021	03:24	FS
CAP0521-WC-1-24-052621	320-74317-1	Surface Water	N	05/26/2021	08:00	FS
CAP0521-EQBLK-IS-052621	320-74317-2	Blank Water	N	05/26/2021	14:00	EB
CAP0521-OUTFALL-002-24-052621	320-74317-3	Surface Water	N	05/26/2021	08:54	FS
OUTFALL-002-24-052621-D	320-74317-4	Surface Water	N	05/26/2021	08:54	DUP
RIVER-WATER-INTAKE2-24-052621	320-74332-1	Surface Water	N	05/26/2021	07:06	FS
CAP0521-OLDOF-1-23-052621	320-74332-2	Surface Water	N	05/26/2021	13:00	FS
CAP0521-CFR-TARHEEL-24-052721	320-74588-1	Surface Water	N	05/27/2021	13:18	FS
CAP0521-CFR-KINGS-052821	320-74588-2	Surface Water	N	05/28/2021	13:45	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 05/21
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 05/21

ADQM Data Review Checklist

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

ER#	Description

Other QA/QC Items to Note:

* See DVM Narrative Report, Lab Report, 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 is acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

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

This updated whitebook reflects that additional samples were manually evaluated and results for PMPA were B qualified outside the SDG but within the sampling program where the EQBLK was collected. A missing J qualifier for HFPO-DA was added to CAP0521-CFR-BLADEN-052621 to reflect that the hold time was exceeded. The DVM also incorrectly assigned qualifiers for poor field duplicate precision and an incorrect assignment of a Parent and Field Duplicate sample was resolved before rerunning the DVM.

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PMPA	0.036	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PMPA	0.039	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-KINGS-052821	05/28/2021	320-74588-2	PMPA	0.032	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PMPA	0.018	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PMPA	0.023	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PMPA	0.031	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PMPA	0.018	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-24-052721	05/27/2021	320-74588-1	PMPA	0.033	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-GBC-1-052521	05/25/2021	320-74288-1	PMPA	0.70	UG/L	PQL		0.062	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-OLDOF-1-23-052621	05/26/2021	320-74332-2	PMPA	0.49	UG/L	PQL		0.062	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SEEP-A-1-24-052621	05/26/2021	320-74316-1	PMPA	0.021	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PMPA	0.016	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
OUTFALL-002-24-052621-D	05/26/2021	320-74317-4	PMPA	0.057	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-SEEP-C-1-24-052621	05/26/2021	320-74316-3	PMPA	0.021	UG/L	PQL		0.010	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFECA-G	0.0029	UG/L	PQL		0.0029	UJ	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFECA B	0.0062	UG/L	PQL		0.0062	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	MTP	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PES	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	Hydrolyzed PSDA	30	UG/L	PQL		0.027	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	R-EVE	3.1	UG/L	PQL		0.0031	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFO3OA	11	ug/L	PQL		0.089	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-052621	05/26/2021	320-74332-1	R-PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-052621	05/26/2021	320-74332-1	Hydrolyzed PSDA	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-052621	05/26/2021	320-74332-1	Hydrolyzed PSDA	0.016	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-OUTFALL-002-24-052621	05/26/2021	320-74317-3	PMPA	0.098	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-OUTFALL-002-24-052621	05/26/2021	320-74317-3	PFO3OA	0.0070	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
OUTFALL-002-24-052621-D	05/26/2021	320-74317-4	PFO3OA	0.0099	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Perfluoroheptanoic Acid	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Perfluoroheptanoic Acid	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO2HxA	0.021	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO2HxA	0.020	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO3OA	0.0054	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO3OA	0.0050	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydrolyzed PSDA	0.0055	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydrolyzed PSDA	0.0056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hfpo Dimer Acid (trial)	0.023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	NVHOS, Acid Form	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	NVHOS, Acid Form	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	Perfluoroheptanoic Acid	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	NVHOS, Acid Form	0.0040	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Perfluoroheptanoic Acid	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	NVHOS, Acid Form	0.0066	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Perfluoroheptanoic Acid	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFO2HxA	0.016	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFO3OA	0.0040	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Hfpo Dimer Acid	0.017	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	NVHOS, Acid Form	0.0044	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PFMOAA	0.023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	Perfluoroheptanoic Acid	0.0079	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	Perfluoroheptanoic Acid	0.0068	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	R-PSDCA	0.063	UG/L	PQL		0.014	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PEPA	18	UG/L	PQL		0.048	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PS Acid	0.67	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	Perfluoroheptanoic Acid	0.19	UG/L	PQL		0.0025	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFO2HxA	36	ug/L	PQL		0.055	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFO4DA	1.6	ug/L	PQL		0.0040	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFO5DA	0.39	ug/L	PQL		0.010	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PFMOAA	110	ug/L	PQL		0.21	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	EVE Acid	1.1	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	Hydro-PS Acid	1.2	ug/L	PQL		0.0044	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	Hydro-EVE Acid	2.2	UG/L	PQL		0.0024	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	NVHOS, Acid Form	1.4	UG/L	PQL		0.013	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PES	0.0066	UG/L	PQL		0.0029	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	PMPA	41	UG/L	PQL		0.17	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	Hfpo Dimer Acid	32	UG/L	PQL		0.15	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-PSDA	0.021	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	R-PSDA	0.054	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	R-PSDA	0.035	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	R-PSDA	0.062	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-SEEP-B-1-24-052621	05/26/2021	320-74316-2	R-PSDA	3.2	UG/L	PQL		0.028	J	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	Hydrolyzed PSDA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFMOAA	0.031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFMOAA	0.031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 05/21 **Validation Options:** LABSTATS

Validation Reason The preparation hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PPF Acid	0.078	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFMOAA	0.081	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Perfluoroheptanoic Acid	0.0041	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO2HxA	0.032	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO3OA	0.0043	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PFO4DA	0.0021	ug/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PMPA	0.040	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hfpo Dimer Acid	0.023	UG/L	PQL		0.0040	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	Hfpo Dimer Acid	0.023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	R-EVE	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	NVHOS, Acid Form	0.0065	UG/L	PQL		0.0030	J	537 Modified		3535_PFC
CAP0521-CFR-BLADEN-052621	05/26/2021	320-74300-2	PEPA	0.0069	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-RM-76-052521	05/25/2021	320-74287-4	PPF Acid	0.025	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-RM-54-052421	05/24/2021	320-74287-3	PPF Acid	0.022	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-CFR-TARHEEL-052621	05/26/2021	320-74300-1	PPF Acid	0.069	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
CAP0521-HAW-RIVER-MOUTH-052421	05/24/2021	320-74287-2	PPF Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535_PFC
DEEP-RIVER-MOUTH-052421	05/24/2021	320-74287-1	PPF Acid	0.0091	UG/L	PQL		0.0020	J	537 Modified		3535_PFC

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ADQM Data Review

Site: Chemours Fayetteville

Project: CAP SW Sampling 06/21

(updated)

Project Reviewer: Brandon Cordova and Michael Aucoin

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Program Sample List

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Collection Date	Sample Collection Time	Sample Purpose
CAP0621-CFR-RM-76-061521	320-75234-1	Surface Water	N	06/15/2021	08:55	FS
CAP0621-CFR-KINGS-061721	320-75234-2	Surface Water	N	06/17/2021	15:45	FS
CAP0621-GBC-1-061521	320-75234-3	Surface Water	N	06/15/2021	11:30	FS
CAP0621-LOCK-DAM-SEEP-061521	320-75234-4	Surface Water	N	06/15/2021	11:10	FS
RIVER-WATER-INTAKE2-24-061621	320-75247-1	Surface Water	N	06/16/2021	07:00	FS
RIVER-WATER-INTAKE2-24-061621D	320-75247-2	Surface Water	N	06/16/2021	07:00	DUP
CAP0621-EQBLK-IS-061621	320-75249-1	Blank Water	N	06/16/2021	12:40	EB
CAP0621-EQBLK-PP-061621	320-75249-2	Blank Water	N	06/16/2021	12:45	EB
CAP0621-CFR-TARHEEL-061521	320-75249-3	Surface Water	N	06/15/2021	14:25	FS
CAP0621-CFR-BLADEN-061521	320-75249-4	Surface Water	N	06/15/2021	12:40	FS
CAP0621-WC-1-24-061621	320-75253-1	Surface Water	N	06/16/2021	07:00	FS
CAP0621-CFR-TARHEEL-24-061621	320-75253-2	Surface Water	N	06/16/2021	14:35	FS
CAP0621-OUTFALL-002-24-061621	320-75253-3	Surface Water	N	06/16/2021	07:42	FS
CAP0621-OLDOF-1-24-061621	320-75253-4	Surface Water	N	06/16/2021	08:06	FS
CAP0621-SEEP-A-BP-1-24-061621	320-75294-1	Other liquid	N	06/16/2021	07:24	FS
CAP0621-SEEP-B-EFF-24-061621	320-75294-2	Other liquid	N	06/16/2021	07:49	FS
CAP0621-SEEP-C-BP-1-24-061621	320-75294-3	Other liquid	N	06/16/2021	08:01	FS
CAP0621-SEEP-D-IMP-061621	320-75294-4	Other liquid	N	06/16/2021	13:01	FS
CAP0621-SEEP-D-IMP-24-061721	320-75294-5	Other liquid	N	06/17/2021	14:23	FS

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

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Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins TestAmerica, Sacramento	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 06/21

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ADQM Data Review Checklist

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

ER#	Description

Other QA/QC Items to Note:
The data is acceptable for use without qualification except as listed in the DVM Narrative Report. The analytical reports are stored on a network drive due to the file size and will be made for review upon request.

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

This updated whitebook reflects that a missing J qualifier for poor field duplicate precision was added following manual evaluation of the field duplicate results.

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Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Lab Qualifier is the qualifier assigned by the lab and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the lab qualifiers. As they are lab descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the lab qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier.**

If the data has been validated by a third party, the field **"Validated By"** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Pentamethylphosphoramide (PMPA)	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFECA B	0.013	UG/L	PQL		0.013	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO5DA	0.039	ug/L	PQL		0.039	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	EVE Acid	0.0087	UG/L	PQL		0.0087	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFECA-G	0.024	UG/L	PQL		0.024	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PES	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Pentamethylphosphoramide (PMPA)	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Hfpo Dimer Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	R-PSDCA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-EQBLK-PP-061621	06/16/2021	320-75249-2	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PES	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-061621	06/16/2021	320-75247-1	Hydrolyzed PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-061621	06/16/2021	320-75247-1	Hydrolyzed PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-061621D	06/16/2021	320-75247-2	PFMOAA	0.014	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-061621	06/16/2021	320-75247-1	PFMOAA	0.011	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-SEEP-D-IMP-24-061721	06/17/2021	320-75294-5	R-PSDA	0.70	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-24-061721	06/17/2021	320-75294-5	Hydrolyzed PSDA	1.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-24-061721	06/17/2021	320-75294-5	R-EVE	0.76	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-WC-1-24-061621	06/16/2021	320-75253-1	R-PSDA	0.11	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-WC-1-24-061621	06/16/2021	320-75253-1	Hydrolyzed PSDA	0.23	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-WC-1-24-061621	06/16/2021	320-75253-1	R-EVE	0.041	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
RIVER-WATER-INTAKE2-24-061621D	06/16/2021	320-75247-2	Hydrolyzed PSDA	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-BLADEN-061521	06/15/2021	320-75249-4	Hydrolyzed PSDA	0.0063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-KINGS-061721	06/17/2021	320-75234-2	Hydrolyzed PSDA	0.0070	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-TARHEEL-24-061621	06/16/2021	320-75253-2	Hydrolyzed PSDA	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-GBC-1-061521	06/15/2021	320-75234-3	R-PSDA	0.090	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-GBC-1-061521	06/15/2021	320-75234-3	R-EVE	0.037	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	Hydrolyzed PSDA	2.0	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	R-EVE	0.60	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-OUTFALL-002-24-061621	06/16/2021	320-75253-3	R-PSDA	0.027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-OUTFALL-002-24-061621	06/16/2021	320-75253-3	Hydrolyzed PSDA	0.085	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-OUTFALL-002-24-061621	06/16/2021	320-75253-3	R-EVE	0.0069	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-A-BP-1-24-061621	06/16/2021	320-75294-1	R-PSDA	0.43	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-A-BP-1-24-061621	06/16/2021	320-75294-1	Hydrolyzed PSDA	3.5	UG/L	PQL		0.019	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-A-BP-1-24-061621	06/16/2021	320-75294-1	R-EVE	0.21	UG/L	PQL		0.036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydro-PS Acid	0.34	ug/L	PQL		0.0031	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydro-EVE Acid	1.0	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	NVHOS, Acid Form	0.83	UG/L	PQL		0.0073	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFMOAA	67	ug/L	PQL		0.040	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PES	0.0078	UG/L	PQL		0.0034	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Pentamethylphosphoramide (PMPA)	6.0	UG/L	PQL		0.31	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hfpo Dimer Acid	16	UG/L	PQL		0.041	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PS Acid	0.012	UG/L	PQL		0.0098	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Perfluoroheptanoic Acid	0.17	UG/L	PQL		0.047	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO2HxA	31	ug/L	PQL		0.013	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO3OA	10	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO4DA	2.5	ug/L	PQL		0.030	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-PSDA	0.70	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydrolyzed PSDA	1.1	UG/L	PQL		0.019	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-PSDCA	0.014	UG/L	PQL		0.0087	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-EVE	0.79	UG/L	PQL		0.036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PEPA	2.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	PFMOAA	0.0025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	Perfluoroheptanoic Acid	0.0031	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-CFR-RM-76-061521	06/15/2021	320-75234-1	R-PSDA	0.0041	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	R-EVE	0.75	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PEPA	1.9	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Hydro-PS Acid	0.25	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Hydro-EVE Acid	1.0	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	NVHOS, Acid Form	0.59	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Perfluoroheptanoic Acid	0.12	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFO2HxA	19	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFO3OA	5.9	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFO4DA	1.7	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFO5DA	0.17	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	PFMOAA	51	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	R-PSDA	0.64	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Hydrolyzed PSDA	1.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Pentamethylphosphoramide (PMPA)	7.9	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-D-IMP-061621	06/16/2021	320-75294-4	Hfpo Dimer Acid	13	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydro-PS Acid	0.32	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydro-EVE Acid	1.1	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	NVHOS, Acid Form	0.92	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFMOAA	79	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Pentamethylphosphoramide (PMPA)	7.4	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hfpo Dimer Acid	15	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Perfluoroheptanoic Acid	0.18	UG/L	PQL		0.094	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO2HxA	34	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO3OA	12	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PFO4DA	3.2	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-PSDA	0.83	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	Hydrolyzed PSDA	1.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-PSDCA	0.021	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	R-EVE	1.2	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-SEEP-C-BP-1-24-061621	06/16/2021	320-75294-3	PEPA	2.0	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	Pentamethylphosphoramide (PMPA)	6.7	UG/L	PQL		0.31	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	Hfpo Dimer Acid	8.4	UG/L	PQL		0.041	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	R-PSDA	0.59	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	PFO2HxA	23	ug/L	PQL		0.013	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	PFO3OA	10	ug/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
CAP0621-LOCK-DAM-SEEP-061521	06/15/2021	320-75234-4	PFMOAA	71	ug/L	PQL		0.040	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** CAP SW Sampling 06/21 **Validation Options:** LABSTATS

Validation Reason Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-061621	06/16/2021	320-75247-1	PFMOAA	0.0097	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Geosyntec consultants

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

APPENDIX E

Supporting Calculations – Onsite Groundwater Pathway

APPENDIX E

SUPPORTING CALCULATIONS – ONSITE GROUNDWATER PATHWAY

INTRODUCTION AND OBJECTIVE

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

APPROACH

The PFAS mass loading from onsite groundwater discharge was estimated as follows. Supporting data are provided in Tables E1-1 through E1-3:

1. The Cape Fear River frontage was divided into 8 segments (Figure E1). Each segment includes one groundwater monitoring well that is considered representative of the Black Creek Aquifer and that is included in the Corrective Action Plan[1] (Geosyntec, 2019).

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

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

where h is the Black Creek Aquifer thickness [ft];

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

l is the segment length [ft].

The EVS model output for each segment is presented in Figure E2.

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

3. The hydraulic gradient (i) was derived based on the groundwater level contour map. For each segment, two gradients were estimated based on the distance between two sets of contour lines in the vicinity of the river frontage (Figures E3-1 through E3-3):

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

where i is the hydraulic gradient [ft/ft];

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

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

For each segment, a range of hydraulic gradients was calculated using two different contour elevation differences in the vicinity of the river frontage: a ten-foot elevation difference (between the 40 and 50 ft contours) and a twenty-foot elevation difference (between the 40 and 60 ft contours). Using two contour elevation differences captures the variation in hydraulic gradient estimates over a range of spatial scales. This approach is considered to best represent the likely groundwater fluxes discharging from the Black Creek Aquifer to the Cape Fear River. Based on hydrographs from wells along the river presented in Figure E4 hydraulic gradients in the aquifer are relatively constant over time. With the exception of large changes in the river level (over ten feet), these wells respond to river level fluctuation in a subdued manner.

4. The hydraulic conductivity (K) was estimated for each segment using the results of constant rate tests performed at five extraction wells installed in the Black Creek Aquifer upstream of the river frontage (Geosyntec, 2021). The extraction wells used to determine the hydraulic conductivity for each segment are as follows, based on their locations relative to the segments (Figure E1):

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

5. The total PFAS concentration for each segment was determined based on grab samples collected from monitoring wells. PFAS analytical results for these groundwater samples are presented in Tables A5-1 and A5-2 in Appendix A of this report. The monitoring well located in Segment 8 (PW-11) was inaccessible during the Q2 2021 monitoring event due to ongoing aquifer testing at this location, so it was not sampled. PFAS analytical results obtained from PW-11 during the Q3 2020 monitoring event were used to determine mass loading for Segment 8.

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

$$Q = lhKiCf$$

where Q is the mass flux [mg/sec];

l is the segment length [ft];

h is the Black Creek Aquifer thickness [ft];

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

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

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

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

7. The upper and lower bound of the total mass flux for the groundwater pathway was calculated as the sum of the individual mass flux results for the 8 segments. Parameters listed above were also used to estimate groundwater flow rates, shown in Tables E2-1 through E2-3.

POTENTIAL FUTURE METHODOLOGY MODIFCATIONS

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

REFERENCES

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

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

TABLE E1-1
APRIL 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Attachment C[4]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	4/16/2021	1,148	13,400	11.7	10	218.7	20	445.0	0.046	0.045	1.71E-04	54,000	0.1596	0.1569
2	PIW-3D	4/29/2021	873	11,010	12.6	10	200.9	20	353.8	0.050	0.057	1.71E-04	43,000	0.1139	0.1293
3	LTW-02	4/29/2021	875	5,560	6.4	10	549.7	20	774.5	0.018	0.026	1.02E-04	52,000	0.0151	0.0215
4	LTW-03	4/22/2021	729	2,800	3.9	10	549.7	20	774.5	0.018	0.026	1.02E-04	230,000	0.0341	0.0484
5	PZ-22	4/22/2021	656	15,200	23.2	10	601.9	20	887.6	0.017	0.023	3.28E-04	250,000	0.5881	0.7975
6	PIW-7D	4/22/2021	524	16,000	30.5	10	601.9	20	887.6	0.017	0.023	3.28E-04	240,000	0.5912	0.8018
7	LTW-05	4/27/2021	887	17,200	19.4	10	708.9	20	1,043.4	0.014	0.019	1.28E-04	290,000	0.2552	0.3468
8	PW-11[7]	7/23/2020	1,986	56,300	28.3	10	708.9	20	1,043.4	0.014	0.019	2.59E-04	180,000	1.0491	1.4257
													Total	**2.81**	**3.73**

Notes

1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)

2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the April 2021 synoptic well gauging round (Figure E3-1).

3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.

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

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

6- Detailed PFAS Concentrations provided in Table 10.

7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-1
APRIL 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (17 Compounds)[5]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference)[2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference)[2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	4/16/2021	1,148	13,400	11.7	10	218.7	20	445.0	0.046	0.045	1.71E-04	55,000	0.1626	0.1598
2	PIW-3D	4/29/2021	873	11,010	12.6	10	200.9	20	353.8	0.050	0.057	1.71E-04	43,000	0.1139	0.1293
3	LTW-02	4/29/2021	875	5,560	6.4	10	549.7	20	774.5	0.018	0.026	1.02E-04	53,000	0.0154	0.0219
4	LTW-03	4/22/2021	729	2,800	3.9	10	549.7	20	774.5	0.018	0.026	1.02E-04	230,000	0.0341	0.0484
5	PZ-22	4/22/2021	656	15,200	23.2	10	601.9	20	887.6	0.017	0.023	3.28E-04	250,000	0.5881	0.7975
6	PIW-7D	4/22/2021	524	16,000	30.5	10	601.9	20	887.6	0.017	0.023	3.28E-04	250,000	0.6159	0.8352
7	LTW-05	4/27/2021	887	17,200	19.4	10	708.9	20	1,043.4	0.014	0.019	1.28E-04	290,000	0.2552	0.3468
8	PW-11[7]	7/23/2020	1,986	56,300	28.3	10	708.9	20	1,043.4	0.014	0.019	2.59E-04	180,000	1.0491	1.4257
													Total	**2.83**	**3.76**

Notes

1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)

2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the April 2021 synoptic well gauging round (Figure E3-1).

3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.

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

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

6- Detailed PFAS Concentrations provided in Table 10.

7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-1
APRIL 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (20 Compounds)		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference)[2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference)[2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	4/16/2021	1,148	13,400	11.7	10	218.7	20	445.0	0.046	0.045	1.71E-04	55,000	0.1626	0.1598
2	PIW-3D	4/29/2021	873	11,010	12.6	10	200.9	20	353.8	0.050	0.057	1.71E-04	43,000	0.1139	0.1293
3	LTW-02	4/29/2021	875	5,560	6.4	10	549.7	20	774.5	0.018	0.026	1.02E-04	53,000	0.0154	0.0219
4	LTW-03	4/22/2021	729	2,800	3.9	10	549.7	20	774.5	0.018	0.026	1.02E-04	230,000	0.0341	0.0484
5	PZ-22	4/22/2021	656	15,200	23.2	10	601.9	20	887.6	0.017	0.023	3.28E-04	250,000	0.5881	0.7975
6	PIW-7D	4/22/2021	524	16,000	30.5	10	601.9	20	887.6	0.017	0.023	3.28E-04	250,000	0.6159	0.8352
7	LTW-05	4/27/2021	887	17,200	19.4	10	708.9	20	1,043.4	0.014	0.019	1.28E-04	290,000	0.2552	0.3468
8	PW-11[7]	7/23/2020	1,986	56,300	28.3	10	708.9	20	1,043.4	0.014	0.019	2.59E-04	180,000	1.0491	1.4257
													Total	**2.83**	**3.76**

Notes

1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)

2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the April 2021 synoptic well gauging round (Figure E3-1).

3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.

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

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

6- Detailed PFAS Concentrations provided in Table 10.

7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-2
MAY 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Attachment C[4]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	5/17/2021	1,150	13,400	11.7	10	286.7	20	537.1	0.035	0.037	1.71E-04	60,000	0.1353	0.1444
2	PIW-3D	5/17/2021	873	11,010	12.6	10	215.1	20	403.5	0.046	0.050	1.71E-04	47,000	0.1162	0.1239
3	LTW-02	5/17/2021	875	5,560	6.4	10	552.5	20	797.0	0.018	0.025	1.02E-04	72,000	0.0209	0.0289
4	LTW-03	5/18/2021	729	2,800	3.8	10	552.5	20	797.0	0.018	0.025	1.02E-04	230,000	0.0339	0.0471
5	PZ-22	5/19/2021	656	15,200	23.2	10	619.7	20	935.1	0.016	0.021	3.28E-04	250,000	0.5712	0.7571
6	PIW-7D	5/19/2021	524	16,000	30.5	10	619.7	20	935.1	0.016	0.021	3.28E-04	240,000	0.5742	0.7611
7	LTW-05	5/18/2021	887	17,200	19.4	10	802.4	20	1,058.7	0.012	0.019	1.28E-04	270,000	0.2099	0.3182
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	802.4	20	1,058.7	0.012	0.019	2.59E-04	180,000	0.9269	1.4051
													Total	**2.59**	**3.59**

Notes

1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)

2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the May 2021 synoptic well gauging round (Figure E3-2).

3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.

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

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

6- Detailed PFAS Concentrations provided in Table 10.

7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.

ft - feet

ft/sec - feet per second

ft^2 - square feet

mg/sec - milligrams per second

ng/L - nanograms per liter

PFM - passive flux meter

TABLE E1-2
MAY 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (17 Compounds)[5]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	5/17/2021	1,150	13,400	11.7	10	286.7	20	537.1	0.035	0.037	1.71E-04	60,000	0.1353	0.1444
2	PIW-3D	5/17/2021	873	11,010	12.6	10	215.1	20	403.5	0.046	0.050	1.71E-04	47,000	0.1162	0.1239
3	LTW-02	5/17/2021	875	5,560	6.4	10	552.5	20	797.0	0.018	0.025	1.02E-04	72,000	0.0209	0.0289
4	LTW-03	5/18/2021	729	2,800	3.8	10	552.5	20	797.0	0.018	0.025	1.02E-04	230,000	0.0339	0.0471
5	PZ-22	5/19/2021	656	15,200	23.2	10	619.7	20	935.1	0.016	0.021	3.28E-04	250,000	0.5712	0.7571
6	PIW-7D	5/19/2021	524	16,000	30.5	10	619.7	20	935.1	0.016	0.021	3.28E-04	240,000	0.5742	0.7611
7	LTW-05	5/18/2021	887	17,200	19.4	10	802.4	20	1,058.7	0.012	0.019	1.28E-04	270,000	0.2099	0.3182
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	802.4	20	1,058.7	0.012	0.019	2.59E-04	180,000	0.9269	1.4051
													Total	**2.59**	**3.59**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the May 2021 synoptic well gauging round (Figure E3-2).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
6- Detailed PFAS Concentrations provided in Table 10.
7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-2
MAY 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (20 Compounds)		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	5/17/2021	1,150	13,400	11.7	10	286.7	20	537.1	0.035	0.037	1.71E-04	61,000	0.1375	0.1468
2	PIW-3D	5/17/2021	873	11,010	12.6	10	215.1	20	403.5	0.046	0.050	1.71E-04	48,000	0.1187	0.1265
3	LTW-02	5/17/2021	875	5,560	6.4	10	552.5	20	797.0	0.018	0.025	1.02E-04	75,000	0.0217	0.0301
4	LTW-03	5/18/2021	729	2,800	3.8	10	552.5	20	797.0	0.018	0.025	1.02E-04	230,000	0.0339	0.0471
5	PZ-22	5/19/2021	656	15,200	23.2	10	619.7	20	935.1	0.016	0.021	3.28E-04	250,000	0.5712	0.7571
6	PIW-7D	5/19/2021	524	16,000	30.5	10	619.7	20	935.1	0.016	0.021	3.28E-04	240,000	0.5742	0.7611
7	LTW-05	5/18/2021	887	17,200	19.4	10	802.4	20	1,058.7	0.012	0.019	1.28E-04	280,000	0.2177	0.3300
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	802.4	20	1,058.7	0.012	0.019	2.59E-04	180,000	0.9269	1.4051
													Total	**2.60**	**3.60**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the May 2021 synoptic well gauging round (Figure E3-2).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
6- Detailed PFAS Concentrations provided in Table 10.
7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-3
JUNE 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Attachment C[4]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	6/3/2021	1,150	13,400	11.7	10	317.4	20	558.1	0.032	0.036	1.71E-04	58,000	0.1181	0.1343
2	PIW-3D	6/23/2021	873	11,010	12.6	10	197.4	20	367.1	0.051	0.054	1.71E-04	43,000	0.1158	0.1246
3	LTW-02	6/23/2021	875	5,560	6.4	10	516.6	20	849.8	0.019	0.024	1.02E-04	48,000	0.0149	0.0181
4	LTW-03	6/24/2021	729	2,800	3.8	10	516.6	20	849.8	0.019	0.024	1.02E-04	210,000	0.0331	0.0403
5	PZ-22	6/24/2021	656	15,200	23.2	10	642.9	20	907.6	0.016	0.022	3.28E-04	220,000	0.4845	0.6864
6	PIW-7D	6/24/2021	524	16,000	30.5	10	642.9	20	907.6	0.016	0.022	3.28E-04	180,000	0.4151	0.5881
7	LTW-05	6/22/2021	887	17,200	19.4	10	778.5	20	1,086.8	0.013	0.018	1.28E-04	220,000	0.1763	0.2526
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	778.5	20	1,086.8	0.013	0.018	2.59E-04	180,000	0.9554	1.3687
													Total	**2.31**	**3.21**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the June 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
6- Detailed PFAS Concentrations provided in Table 10.
7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-3
JUNE 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (17 Compounds)[5]		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	6/3/2021	1,150	13,400	11.7	10	317.4	20	558.1	0.032	0.036	1.71E-04	58,000	0.1181	0.1343
2	PIW-3D	6/23/2021	873	11,010	12.6	10	197.4	20	367.1	0.051	0.054	1.71E-04	43,000	0.1158	0.1246
3	LTW-02	6/23/2021	875	5,560	6.4	10	516.6	20	849.8	0.019	0.024	1.02E-04	48,000	0.0149	0.0181
4	LTW-03	6/24/2021	729	2,800	3.8	10	516.6	20	849.8	0.019	0.024	1.02E-04	210,000	0.0331	0.0403
5	PZ-22	6/24/2021	656	15,200	23.2	10	642.9	20	907.6	0.016	0.022	3.28E-04	220,000	0.4845	0.6864
6	PIW-7D	6/24/2021	524	16,000	30.5	10	642.9	20	907.6	0.016	0.022	3.28E-04	190,000	0.4382	0.6208
7	LTW-05	6/22/2021	887	17,200	19.4	10	778.5	20	1,086.8	0.013	0.018	1.28E-04	220,000	0.1763	0.2526
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	778.5	20	1,086.8	0.013	0.018	2.59E-04	180,000	0.9554	1.3687
													Total	**2.34**	**3.25**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the June 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
6- Detailed PFAS Concentrations provided in Table 10.
7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E1-3
JUNE 2021 ONSITE GROUNDWATER PATHWAY SUPPORTING DATA
Chemours Fayetteville Works, North Carolina

													Total Table 3+ (20 Compounds)		
Segment	**Well**	**Sample Date**	**Segment Length (ft)**	**Cross-sectional Area of Black Creek Aquifer[1] (ft^2)**	**Average Thickness of Black Creek Aquifer (ft)**	**Lower Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Lower Elevation Difference) [2] (ft)**	**Upper Groundwater Contour Elevation Difference[2] (ft)**	**Horizontal Distance Between Contours (Upper Elevation Difference) [2] (ft)**	**Hydraulic Gradient (Lower Elevation Difference) (ft/ft)**	**Hydraulic Gradient (Upper Elevation Difference) (ft/ft)**	**Hydraulic Conductivity[3] (ft/sec)**	**Concentration[6] (ng/L)**	**Mass Loading Lower Bound (mg/sec)**	**Mass Loading Upper Bound (mg/sec)**
1	PIW-1D	6/3/2021	1,150	13,400	11.7	10	317.4	20	558.1	0.032	0.036	1.71E-04	58,000	0.1181	0.1343
2	PIW-3D	6/23/2021	873	11,010	12.6	10	197.4	20	367.1	0.051	0.054	1.71E-04	44,000	0.1185	0.1275
3	LTW-02	6/23/2021	875	5,560	6.4	10	516.6	20	849.8	0.019	0.024	1.02E-04	49,000	0.0152	0.0185
4	LTW-03	6/24/2021	729	2,800	3.8	10	516.6	20	849.8	0.019	0.024	1.02E-04	220,000	0.0347	0.0422
5	PZ-22	6/24/2021	656	15,200	23.2	10	642.9	20	907.6	0.016	0.022	3.28E-04	220,000	0.4845	0.6864
6	PIW-7D	6/24/2021	524	16,000	30.5	10	642.9	20	907.6	0.016	0.022	3.28E-04	190,000	0.4382	0.6208
7	LTW-05	6/22/2021	887	17,200	19.4	10	778.5	20	1,086.8	0.013	0.018	1.28E-04	220,000	0.1763	0.2526
8	PW-11[7]	7/23/2020	1,990	56,300	28.3	10	778.5	20	1,086.8	0.013	0.018	2.59E-04	180,000	0.9554	1.3687
													Total	**2.34**	**3.25**

Notes
1 - Cross sectional areas were determined using the three-dimensional hydrostratigraphic model of the Site, constructed using CTech's Earth Volumetric Studio (EVS) software (Figure E2)
2 - Vertical and horizontal distances for hydraulic gradient determined from groundwater level contour map for the June 2021 synoptic well gauging round (Figure E3-3).
3 - Hydraulic conductivity values are based on constant rate pumping test results from extraction wells described in Appendix E text.
4 - Attachment C does not include Perfluoroheptanoic acid (PFHpA).
5 - Total Table 3+ (17 compounds) does not include Perfluoroheptanoic acid (PFHpA), R-PSDA, Hydrolyzed PSDA, and R-EVE.
6- Detailed PFAS Concentrations provided in Table 10.
7 - PW-11 was not sampled during the 2nd 2021 quarter monitoring event; it was inaccessible during ongoing aquifer tests. PFAS analytical results reported in this table for PW-11 are from the 3rd 2020 quarter monitoring event.
ft - feet
ft/sec - feet per second
ft^2 - square feet
mg/sec - milligrams per second
ng/L - nanograms per liter
PFM - passive flux meter

TABLE E2-1
APRIL 2021 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Hydraulic Gradient (Lower Elevation Difference)[1,2] (ft/ft)	Hydraulic Gradient (Upper Elevation Difference)[1,2] (ft/ft)	Hydraulic Conductivity (ft/sec)[1]	Flow Lower Bound (ft^3/sec)	Flow Upper Bound (ft^3/sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,400	0.046	0.045	1.71E-04	1.04E-01	1.03E-01	67,463	66,304
2	11,010	0.050	0.057	1.71E-04	9.35E-02	1.06E-01	60,438	68,636
3	5,560	0.018	0.026	1.02E-04	1.03E-02	1.46E-02	6,649	9,438
4	2,800	0.018	0.026	1.02E-04	5.24E-03	7.43E-03	3,385	4,805
5	15,200	0.017	0.023	3.28E-04	8.31E-02	1.13E-01	53,690	72,814
6	16,000	0.017	0.023	3.28E-04	8.70E-02	1.18E-01	56,227	76,254
7	17,200	0.014	0.019	1.28E-04	3.11E-02	4.22E-02	20,087	27,297
8	56,300	0.014	0.019	2.59E-04	2.06E-01	2.80E-01	133,032	180,780
					0.620	**0.783**	**400,972**	**506,328**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-1.

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

ft - feet

ft_2 - square feet

ft/sec - feet per second

ft_3/sec - cubic feet per second

gal/day - gallons per day

TABLE E2-2
MAY 2021 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Hydraulic Gradient (Lower Elevation Difference)[1,2] (ft/ft)	Hydraulic Gradient (Upper Elevation Difference)[1,2] (ft/ft)	Hydraulic Conductivity (ft/sec)[1]	Flow Lower Bound (ft^3/sec)	Flow Upper Bound (ft^3/sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,400	0.035	0.037	1.71E-04	7.96E-02	8.50E-02	51,455	54,940
2	11,010	0.046	0.050	1.71E-04	8.73E-02	9.31E-02	56,451	60,167
3	5,560	0.018	0.025	1.02E-04	1.02E-02	1.42E-02	6,615	9,171
4	2,800	0.018	0.025	1.02E-04	5.21E-03	7.22E-03	3,368	4,670
5	15,200	0.016	0.021	3.28E-04	8.07E-02	1.07E-01	52,148	69,119
6	16,000	0.016	0.021	3.28E-04	8.45E-02	1.12E-01	54,612	72,385
7	17,200	0.012	0.019	1.28E-04	2.75E-02	4.16E-02	17,747	26,903
8	56,300	0.012	0.019	2.59E-04	1.82E-01	2.76E-01	117,536	178,168
					0.557	**0.736**	**359,933**	**475,522**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-2.

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

ft - feet

ft_2 - square feet

ft/sec - feet per second

ft_3/sec - cubic feet per second

gal/day - gallons per day

TABLE E2-3
JUNE 2021 ONSITE GROUNDWATER FLOW RATE
Chemours Fayetteville Works, North Carolina

Segment	Cross-sectional Area of Black Creek Aquifer[1] (ft^2)	Hydraulic Gradient (Lower Elevation Difference)[1,2] (ft/ft)	Hydraulic Gradient (Upper Elevation Difference)[1,2] (ft/ft)	Hydraulic Conductivity (ft/sec)[1]	Flow Lower Bound (ft^3/sec)	Flow Upper Bound (ft^3/sec)	Flow Lower Bound (gal/day)	Flow Upper Bound (gal /day)
1	13,400	0.032	0.036	1.71E-04	7.20E-02	8.19E-02	46,547	52,947
2	11,010	0.051	0.054	1.71E-04	9.51E-02	1.02E-01	61,484	66,142
3	5,560	0.019	0.024	1.02E-04	1.09E-02	1.33E-02	7,075	8,601
4	2,800	0.019	0.024	1.02E-04	5.51E-03	6.70E-03	3,563	4,332
5	15,200	0.016	0.022	3.28E-04	7.76E-02	1.10E-01	50,135	71,021
6	16,000	0.016	0.022	3.28E-04	8.17E-02	1.16E-01	52,773	74,759
7	17,200	0.013	0.018	1.28E-04	2.83E-02	4.05E-02	18,272	26,176
8	56,300	0.013	0.018	2.59E-04	1.87E-01	2.69E-01	121,151	173,560
					0.559	**0.739**	**360,999**	**477,539**

Notes

1 - Supporting data for cross-sectional area, hydraulic gradient, and hydraulic conductivity provided in Table E1-3.

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

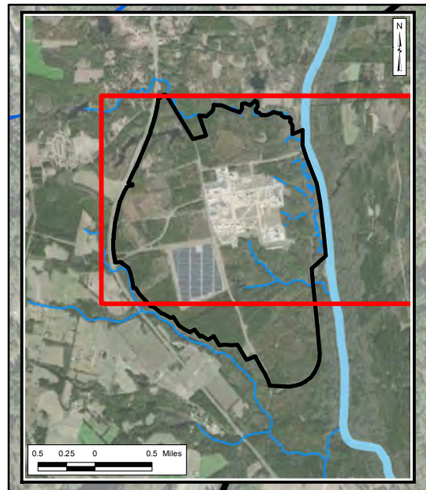
ft - feet

ft_2 - square feet

ft/sec - feet per second

ft_3/sec - cubic feet per second

gal/day - gallons per day



Willis Creek

PIW-1S
PIW-1D
EW-1
PIW-3D
Seep A
EW-4
Seep B
PZ-22
EW-5
PIW-7D
PIW-7S
EW-2
Seep C
Seep D
EW-3
PW-11
Old Outfall 002

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

Cape Fear River

N

Legend

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

Notes:

1. Due to the scale of the map, pairs of wells that are in close proximity have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS.
3. Constant rate tests conducted at extraction wells were used to calculate hydraulic conductivity for nearby segments as shown in Table E1-1 to E1-3 and described in the Appendix E.
4. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Black Creek Aquifer Segments for Groundwater Pathway

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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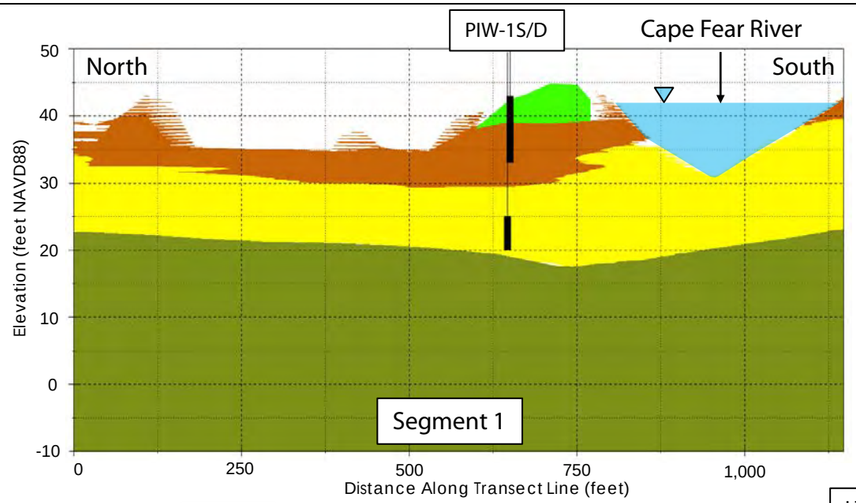
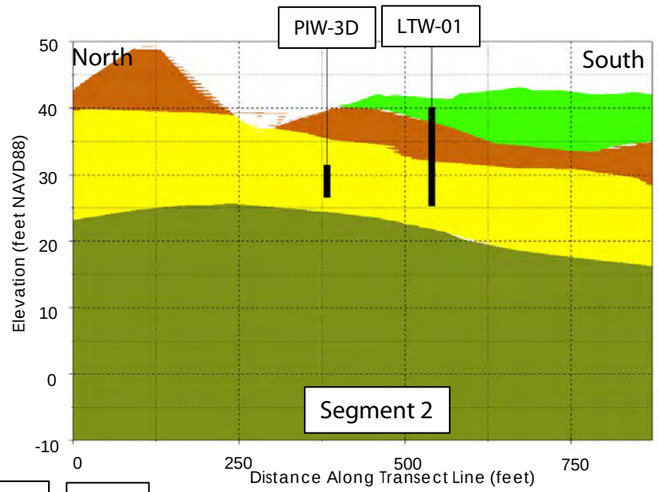
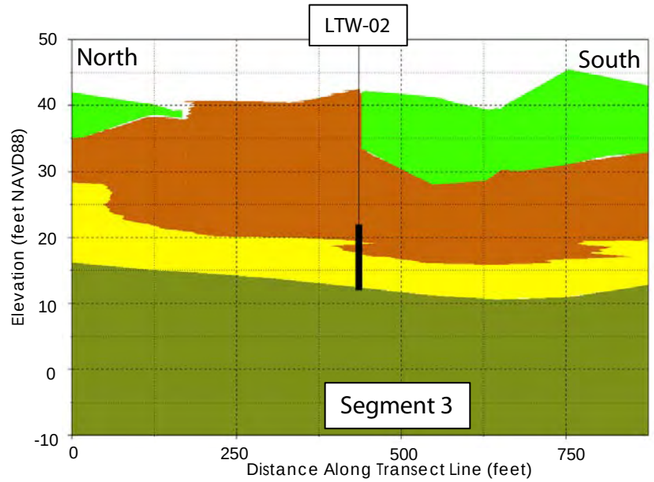
Figure **E1**

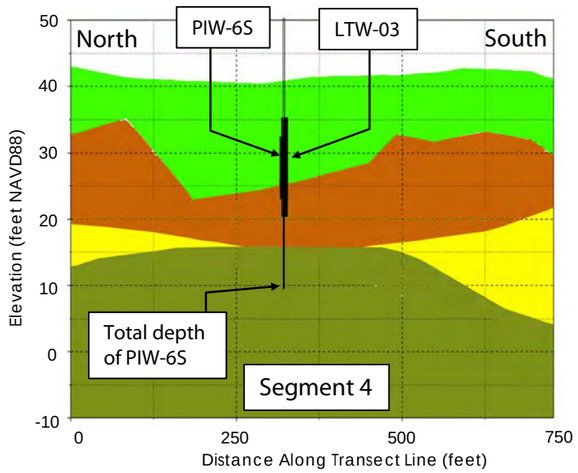
Path: \\gulph-01\dfs#FPRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Black Creek Aquifer Segments for Groundwater Pathway.mxd Last Revised: 9/13/2021 Author: NBarNatoun

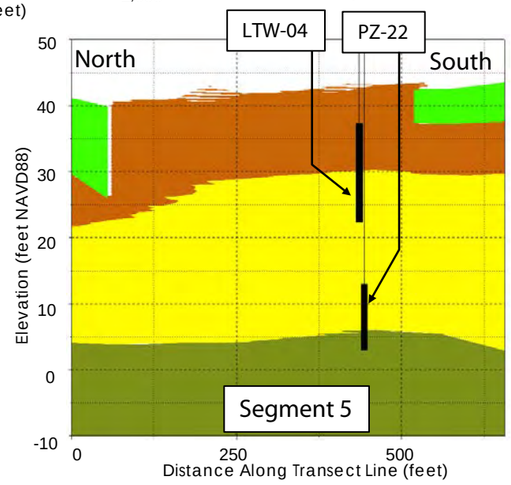
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

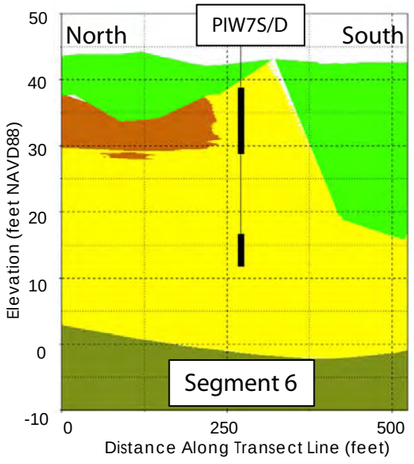


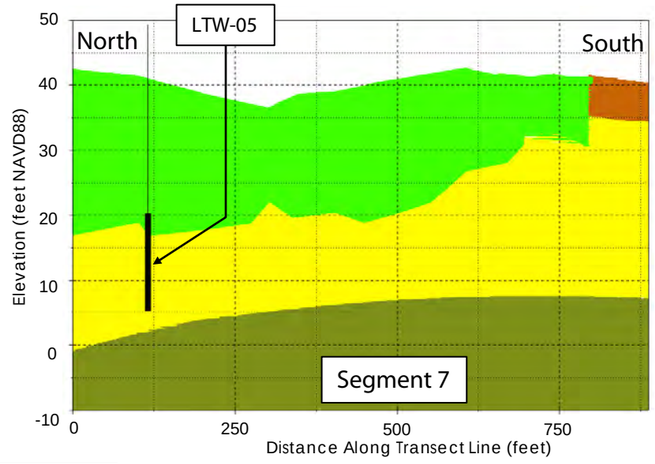


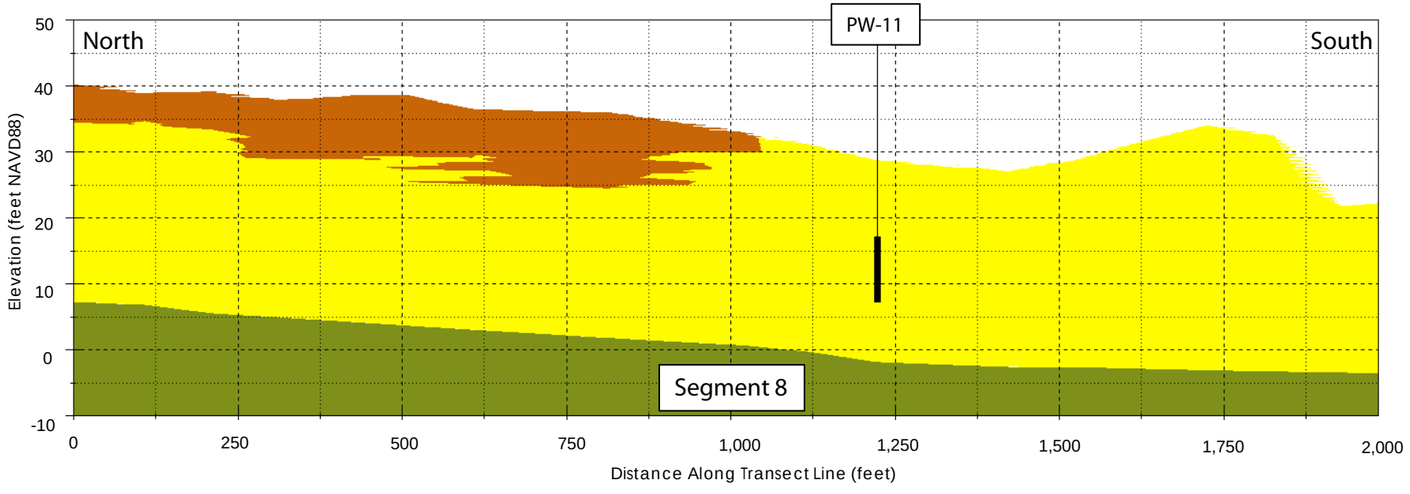


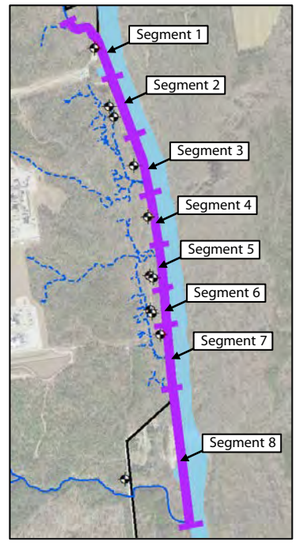












Legend

- Well screen[1]

Units[2]

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

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

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

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

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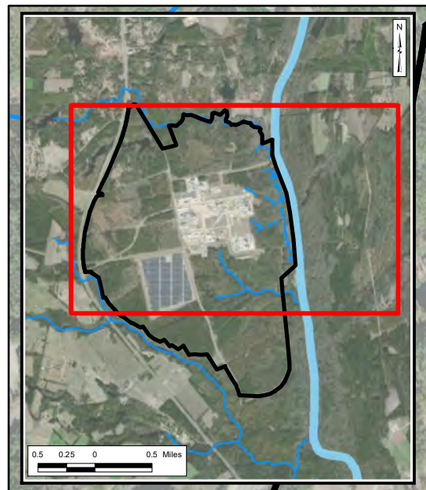
Figure **E2**



Willis Creek

PW-09 48.62
PIW-11 45.89
PIW-12 35.88
PIW-13 36.79
SMW-12 36.67
PIW-14 37.65
PIW-15 35.4
PIW-1S 34.53
PIW-1D 35.96
OW-1 60.59
OW-10 60.67
EW-1 60.41
PIW-2D 60.51
PIW-3D 37.52
LTW-01 37.45
LTW-02 42.05
PIW-4D 42.47
PW-10R 49.29
LTW-03 39.83
PIW-6S 39.91
PZ-22 41.39
LTW-04 41.24
PIW-7D 42.63
PIW-7S 42.16
LTW-05 41.39
PIW-8D 41.46
PIW-9D 42.19
EW-2 44.96
OW-6 42.57
PIW-10DR 62.88
EW-3 62.77
OW-4 62.77
OW-5 62.94
OW-9 62.9
PW-11 43.56
EW-4 50.74
OW-2 50.46
OW-3 50.24
EW-5 44.45
OW-7 44.38
OW-8 43.62
BCA-01 87.27
BCA-02 76.06
BCA-03R 102.87
BCA-04 125.49
SMW-03B 96.88
PW-12 95.56
PW-13 120.03
PW-14 88.17
PW-15R 76.18
PIW-16D 133.21

50
60
70
80
90

Cape Fear River

Segment 1 0.046 0.045
Segment 2 0.050 0.057
Segment 3 0.018 0.026
Segment 4 0.018 0.026
Segment 5 0.017 0.023
Segment 6 0.017 0.023
Segment 7 0.014 0.019
Segment 8 0.014 0.019

Seep A
Seep B
Seep C
Seep D
Old Outfall 002

N

Legend

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

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

Notes:
ft - feet
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on April 8, 2021 were used to generate contours.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The hydraulic gradients were derived using the groundwater level contours shown here, based on the horizontal distance between the 40 and 50 foot contours (the lower elevation difference) and the 40 and 60 foot contours (the upper elevation difference). Vertical and horizontal distances used to estimate hydraulic gradient are provided in Table E1-1.
5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
6. Basemap source: Esri, DigitalBox, 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 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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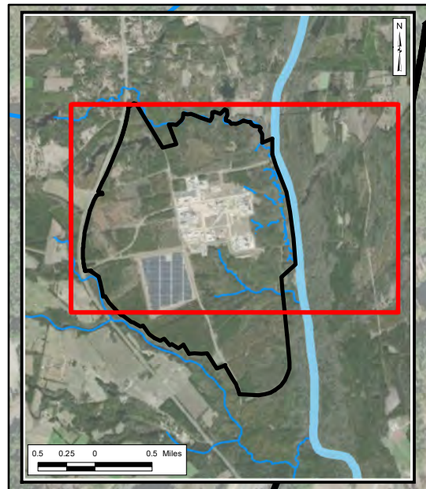
Figure E3-1

Path: \\guelph-011\dfs\PRJProjects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Elevation_Map_and_Hydraulic_Conductivities_Apto_Jun2021.mxd Last Revised: 9/13/2021 Author: NBarNahoum

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



Willis Creek

PW-09 48.28
PIW-11 45.55
PIW-12 35.25
PIW-13 35.91
SMW-12 35.78
PIW-14 36.76
PIW-15 34.34
PIW-1S 33.19
PIW-1D 34.19
OW-1 60.54
OW-10 60.6
PIW-3D 36.76
LTW-01 36.83
EW-1 60.37
BCA-01 86.94
SMW-03B 96.63
PW-12 95.2
PIW-2D 60.48
PW-15R 76.18
LTW-02 42.06
PIW-4D 42.39
BCA-03R 103.04
EW-4 49.6
PW-10R 47.95
OW-2 49.23
OW-3 48.98
LTW-03 38.62
PIW-6S 38.74
PW-13 120.09
PZ-22 40.27
PW-14 87.92
LTW-04 39.96
EW-5 42.99
OW-7 42.89
PIW-7D 41.39
PIW-7S 40.81
OW-8 42.16
LTW-05 40.43
PIW-16D 132.52
PIW-8D 40.49
BCA-02 75.91
PIW-9D 41.23
EW-2 44
OW-6 41.52
BCA-04 124.98
PIW-10DR 62.35
EW-3 62.51
OW-4 62.51
OW-5 62.72
OW-9 62.65
PW-11 42.66

50 60 70 80 90

Cape Fear River

Segment 1 0.035 0.037
Segment 2 0.046 0.050
Segment 3 0.018 0.025
Segment 4 0.018 0.025
Segment 5 0.016 0.021
Segment 6 0.016 0.021
Segment 7 0.012 0.019
Segment 8 0.012 0.019

Seep A
Seep B
Seep C
Seep D
Old Outfall 002

N

Legend

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

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

Notes:
ft - feet
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on May 3, 2021 were used to generate contours.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The hydraulic gradients were derived using the groundwater level contours shown here, based on the horizontal distance between the 40 and 50 foot contours (the lower elevation difference) and the 40 and 60 foot contours (the upper elevation difference). Vertical and horizontal distances used to estimate hydraulic gradient are provided in Table E1-2.
5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
6. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map and Hydraulic Gradients - May 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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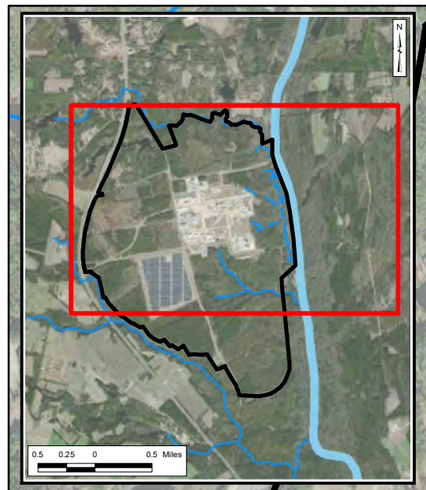
Figure E3-2

Path: \\gueiph-011\dat#\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Elevation_Map_and_Hydraulic_Conductivities_Aprto.Jun2021.mxd Last Revised: 9/13/2021 Author: NBarNahoum

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



Willis Creek

PW-09 48.08
PIW-11 45.52
PIW-12 34.86
PIW-13 35.23
SMW-12 35.01
PIW-14 36.04
PIW-15 33.94
PIW-1S 32.99
PIW-1D 33.87
OW-1 60.29
OW-10 60.35
EW-1 60.12
PIW-2D 60.24
BCA-01 89.01
SMW-03B 95.92
PW-12 94.59
PW-15R 78.16
BCA-03R 102.79
EW-4 49.85
OW-2 49.5
OW-3 49.3
PW-13 119.86
PW-14 87.74
PIW-16D 131.62
BCA-04 124.17
BCA-02 75.59
EW-5 44.7
OW-7 44.7
OW-8 43.94
EW-2 44.59
OW-6 42.32
PIW-9D 41.69
PIW-8D 41.24
PIW-7S 42.28
PZ-22 42.94
PIW-7D 43.04
LTW-05 41.2
LTW-04 42.32
LTW-03 39.02
PIW-6S 39.12
PW-10R 48.44
PIW-4D 42.83
LTW-02 42.51
PIW-3D 36.48
LTW-01 36.67
EW-3 62.11
OW-4 62.11
OW-5 62.3
OW-9 62.24
PIW-10DR 62.04
PW-11 36.86

50 60 70 80 90

Cape Fear River

Segment 1 0.032 0.036
Segment 2 0.051 0.054
Segment 3 0.019 0.024
Segment 4 0.019 0.024
Segment 5 0.016 0.022
Segment 6 0.016 0.022
Segment 7 0.013 0.018
Segment 8 0.013 0.018

Seep A
Seep B
Seep C
Seep D
Old Outfall 002

N

Legend

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

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

Notes:
ft - feet
ft NAVD88 - feet North American Vertical Datum 1988.
1. Depth to water measurements collected on June 7, 2021 were used to generate contours.
2. Ground surface elevation contours are derived from Lidar scans performed on December 1, 2019 and December 19, 2019 by Spectral Data Consultants, Inc.
3. Seep locations identified visually as reported in Geosyntec, 2019. Seeps and Creeks Investigation Report. Chemours Fayetteville Works. 26 August 2019.
4. The hydraulic gradients were derived using the groundwater level contours shown here, based on the horizontal distance between the 40 and 50 foot contours (the lower elevation difference) and the 40 and 60 foot contours (the upper elevation difference). Vertical and horizontal distances used to estimate hydraulic gradient are provided in Table E1-3.
5. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
6. Basemap source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

1,000 500 0 1,000 Feet

Groundwater Elevation Map and Hydraulic Gradients - June 2021

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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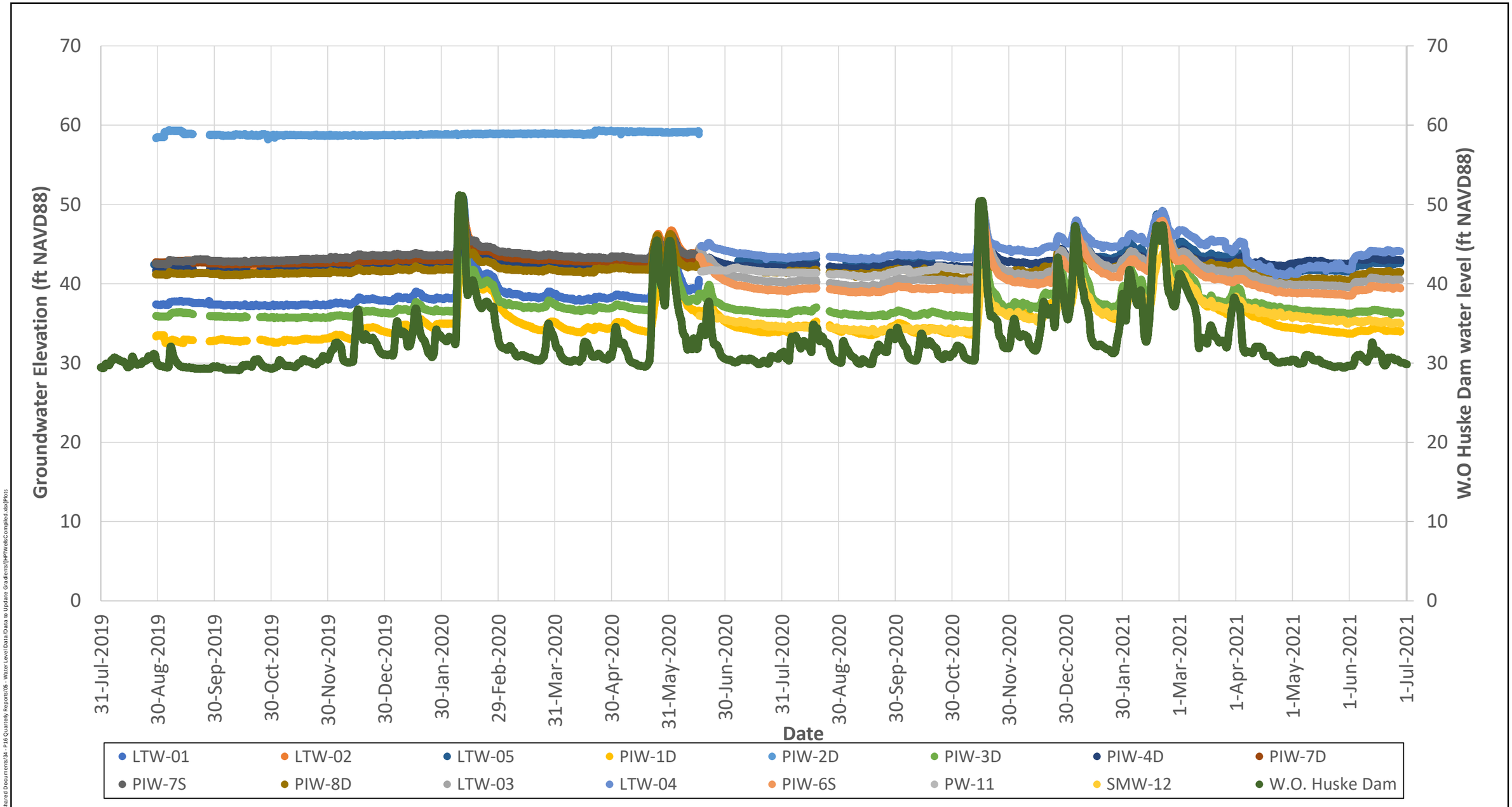
Figure E3-3

Path: \\guelph-011\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_GW_Elevation_Map_and_Hydraulic_Conductivities_Aprto6Jun2021.mxd Last Revised: 9/13/2021 Author: NBarNahoum

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



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

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

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

Raleigh | September 2021

Figure
E4

http://projectsteb.geosyntec.com/SFWConsentOrder/Shared Documents/34 - P16 Quarterly Reports/06 - Water Level Data /Data to Update Gradients/HPTWellsCompiled.xlsxPlots

Geosyntec consultants

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

APPENDIX F

Supporting Calculations – Direct Aerial Deposition on Cape Fear River

APPENDIX F

SUPPORTING CALCULATIONS – DIRECT AERIAL DEPOSITION ON CAPE FEAR RIVER

INTRODUCTION AND OBJECTIVE

Nine pathways (main report Table 7) were identified as potentially contributing to observed Cape Fear River per- and polyfluoroalkyl substances (PFAS) concentrations. These pathways include direct PFAS aerial deposition to the Cape Fear River. This pathway was identified as Transport Pathway Number 3 in the PFAS mass loading model. The mass discharge (mass per unit time measured in milligrams per second [mg/s]) from direct aerial deposition of PFAS to the Cape Fear River was estimated by scaling air deposition modeling results for Hexafluoropropylene oxide dimer acid (HFPO-DA; ERM, 2018). The objective of the supporting calculations presented in this appendix is to estimate aerially deposited PFAS directly on the Cape Fear River during a mass loading event.

APPROACH

HFPO-DA mass loading directly to the Cape Fear River was estimated using the reported aerial extent and deposition contours modeled for October 2018 (ERM, 2018). As depicted in Table F1, the HFPO-DA air loading data (micrograms per meters squared [µg/m^2]) provided from ERM (2018) was used to calculate the net hourly deposition rate (nanograms per meters squared per hour [ng/m^2/hr]) using the Equation 1 below:

Equation 1: Net Hourly Deposition Rate

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

where:

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

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

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

Depositional area along the river was calculated using available data for river width and computed river lengths where deposition contours were modeled. Eighteen (18) sections (Figure F1) provided from FEMA (2007) were selected along the Cape Fear River to measure the average river width (m). As depicted in Figures F2 through F6, sections along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 µg/m^2 were selected, and the length of the Cape Fear River along each of the sections was measured. The average river width calculated in Table F2 and section lengths from Figures F2 through F6 were used to calculate section areas (m^2) as described in Equation 2 below:

Equation 2: Cape Fear River Surface Area for Each Section

$$A_s = L_s \times W_s$$

where,

A_s = total spatial area over which deposition occurs between contours (L^2) in section "*s*", typically in m^2;

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 µg/m^2 (five sections in total);

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

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

Start and end deposition rates (ng/m^2/hr) for each section along the Cape Fear River will be estimated based on the deposition contours and corresponding net hourly deposition rate (Table F1); a combined deposition rate for each section will be calculated as the average of the start and end deposition rates. River velocity (meters per hour [m/hr]) will be estimated from measured flow rates from USGS (2021) and the calculated river cross sectional area. Section lengths will be used to calculate HFPO-DA travel time based on the river velocities in Tables F3-1 to F3-3. The combined deposition rate (ng/m^2/hr) from Table F1, section area (m^2), and travel time (hr) will be used to calculate mass HFPO-DA deposited (ng) as follows in **Equation 3** below.

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

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

where,

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

s = section along the Cape Fear River with HFPO-DA concentrations contours ranging from 40 to 640 µg/m^2;

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

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

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

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

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

2020 and analyzed for PFAS. The results of both sampling events indicate that Seeps E to M show an aerial deposition PFAS signature (concentrations decrease in seeps more distant from the Site). Accordingly, the offsite seep data were used to build a relationship between HFPO-DA and other PFAS compounds (Figure F7). A scaling factor (Table F4) was used to estimate mass discharge of Total PFAS compounds to the Cape Fear River as shown in Equation 4. Tables F5-1 to F5-3 shows the estimated mass discharges of HFPO-DA and Total PFAS compounds to the Cape Fear River.

Equation 4: Total PFAS Mass Discharge to Cape Fear River

$$MD_{PFAS} = MD_{HFPO-DA} \times R$$

where,

MD_{PFAS} = total mass discharge of PFAS compounds into the river, typically in mg/s;

$MD_{HFPO-DA}$ = total mass discharge of HFPO-DA into the river, typically in mg/s; and

R = average ratio of measured HFPO-DA to PFAS compounds across the nine offsite seeps.

REFERENCES

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

Federal Emergency Management Agency (FEMA), 2007. "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear River ADJ. HEC-RAS 5.0.7.

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

USGS, 2021. USGS 02105500 Cape Fear River at Wilm O Huske Lock near Tarheel, NC. Available at: https://waterdata.usgs.gov/nwis/uv?site_no=02105500

TABLE F1
NET HOURLY HFPO-DA DEPOSITION RATE
Chemours Fayetteville Works, North Carolina

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

Notes:

1. HFPO-DA model values are from ERM (2018). Modeling Report: HFPO-DA Atmospheric Deposition and Screening Groundwater Effects. 27 April 2018.
2. Air deposition contours are shown in Figures F2 through F6.
3. Net hourly deposition rates are used in the mass discharge calculations, Tables F5-1 to F5-3.

Abbreviations:

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid.

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

ng /L: nanograms per liter.

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

TABLE F2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina

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

TABLE F2
ESTIMATION OF CAPE FEAR RIVER AVERAGE WIDTH
Chemours Fayetteville Works, North Carolina

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

Notes:

*Cross sections locations are shown in Figure F1.

**Model point ID: are locations with northing, easting, and river depths provided in the HEC-RAS model.

1. Data provided from: "A Report of Flood Hazards in Bladen County, North Carolina and Incorporated Areas." RiverADJ. HEC-RAS 5.0.7. (2007) Flood Insurance Study, Federal Emergency Management Agency. North Carolina Flood Risk Information System Engineering Model. Cape Fear RiverADJ. HEC-RAS 5.0.7.

2. The horizontal datum is North American Datum 1983 projected into North Carolina East State Plane (3200).

3. The vertical datum is North American Datum 1988 projected into North Carolina East State Plane (3200).

Abbreviations:

ft: feet

m: meter

TABLE F3-1
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - APRIL 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
4/20/2021	2,753	2.54	0.0	77,942	323	19	2	5,435	0.5
4/21/2021	2,240	2.24	0.0	63,427	323	19	2	5,360	0.4
								Average River Velocity:	**0.5**

Notes:

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

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

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

cfs: cubic feet per second.

ft: feet.

ft^2: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F3-2
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - MAY 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
5/25/2021	1206.25	1.48	0	34,157	323	18	2	5,169	0.2
5/26/2021	1237.71	1.51	0	35,048	323	18	2	5,176	0.2
								Average River Velocity:	**0.2**

Notes:

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

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

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

cfs: cubic feet per second.

ft: feet.

ft^2: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F3-3
SUMMARY OF FLOW IN CAPE FEAR RIVER AT WILM O'HUSKE LOCK NR TARHEEL, NC - JUNE 2021
Chemours Fayetteville Works, North Carolina

Date	USGS Reported Average Discharge[1] (cfs)	USGS Reported Average Gage Height[1] (ft)	USGS Reported Total Precipitation[1,2] (inches)	USGS Reported Average Discharge (L/s)	Measured River Width (ft)	Estimated River Depth (ft)	Z Value[3]	Calculated Total Cross Sectional Area (ft^2)	Calculated River Velocity (ft/s)
6/15/2021	4,475	3.38	0.0	126,709	323	20	2	5,639	0.8
6/16/2021	4,355	3.33	0.0	123,308	323	20	2	5,627	0.8
								Average River Velocity:	**0.8**

Notes:

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

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

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

cfs: cubic feet per second.

ft: feet.

ft^2: feet squared.

ft/s: feet per second

L/s: Liter per second.

mph: miles per hour.

USGS - United States Geological Survey.

TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-E	SEEP-E	SEEP-F	SEEP-F	SEEP-G	SEEP-G	SEEP-H
Field Sample ID	SEEP-E-0930	Seep E-030420	SEEP-F-0923	Seep F-030420	SEEP-G-0911	Seep G-030420	SEEP-H-0905
Sample Date	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1
Lab Sample ID	320-55576-1	1274949	320-55576-2	1274953	320-55576-3	1274957	320-55576-4
Table 3+ SOP (ng/L)							
Hfpo Dimer Acid	**1,200**	**950**	**1,100**	**1,100**	**700**	**730**	**550**
PFMOAA	**480 J**	**390**	**900**	**730**	**190**	**220**	**140**
PFO2HxA	**800**	**470**	**810**	**640**	**470**	**410**	**350**
PFO3OA	**170**	**83**	**130**	**110**	**57**	**56**	**28**
PFO4DA	**83**	**17**	**7.3**	**9.1**	**9**	**7.9**	<2
PFO5DA	**46**	<2	<2	<2	<2	<2	<2
PMPA	**2,300**	**1,800**	**2,800**	**2,100**	**1,500**	**1,500**	**1,200**
PEPA	**710**	**600**	**870**	**710**	**490**	**520**	**360**
PS Acid (Formerly PFESA-BP1)	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	**90**	**24**	**9.6**	**10**	**22**	**11**	**16**
R-PSDA (Formerly Byproduct 4)	**220 J**	**53 J**	**92**	**68 J**	**79 J**	**44 J**	**39 J**
Hydrolyzed PSDA (Formerly Byproduct 5)	**2.1 J**	<2	<2.9	<2	<2	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2	<2	<2	<2	<2	<2
NVHOS	**15**	**6**	**12**	**8**	**5.4**	**5**	**4.3**
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	**7.7**	**2.3**	**2**	<2	<2	<2	<2
R-EVE	**76**	**20**	**60**	**40**	**39**	**28**	**21 J**
PES	<2	<2	<2.3	<2	<2	<2	<2
PFECA B	<2	<2	<3	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	**5,900**	**4,300**	**6,600**	**5,400**	**3,400**	**3,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)	**6,200**	**4,400**	**6,800**	**5,500**	**3,600**	**3,500**	**2,700**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.9**	**4.5**	**6.0**	**4.9**	**4.9**	**4.8**	**4.7**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.2**	**4.6**	**6.2**	**5.0**	**5.1**	**4.8**	**4.9**
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**						

TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-H	SEEP-I	SEEP-I	SEEP-J	SEEP-J	SEEP-K	SEEP-K
Field Sample ID	Seep H-030420	SEEP-I-0856	Seep I-030420	SEEP-J-0843	Seep J-030420	SEEP-K-0835	Seep K-030420
Sample Date	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020	10/22/2019	3/4/2020
QA/QC	--	--	--	--	--	--	--
Sample Delivery Group (SDG)	2091227	320-55576-1	2091227	320-55576-1	2091227	320-55576-1	2091227
Lab Sample ID	1274961	320-55576-5	1274965	320-55576-6	1274969	320-55576-7	1274973
Table 3+ SOP (ng/L)							
Hfpo Dimer Acid	**540**	**570**	**470**	**580**	**250**	**640**	**490**
PFMOAA	**180**	**130**	**200**	**180 J**	**140**	**160**	**210**
PFO2HxA	**330**	**300**	**280**	**350 J**	**130**	**320**	**230**
PFO3OA	**30**	**17**	**18**	**120 J**	**16**	**41**	**28**
PFO4DA	<2	<2	<2	**58**	**4.7**	**11**	**5**
PFO5DA	<2	<2	<2	**20 J**	**2.2**	**4.8**	<2
PMPA	**1,100**	**1,200**	**1,100**	**810 J**	**660**	**1,300**	**1,000**
PEPA	**360**	**390**	**390**	**260**	**200**	**400**	**350**
PS Acid (Formerly PFESA-BP1)	<2	<2	<2	<2	<2	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	**9.3**	**12**	**12**	**37**	**6.9**	**70**	**16**
R-PSDA (Formerly Byproduct 4)	**30 J**	**53 J**	**36**	**110 J**	**23**	**130 J**	**49**
Hydrolyzed PSDA (Formerly Byproduct 5)	<2	<2	<2	<2	<2	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2	<2	<2	<2	<2	<2
NVHOS	**3.7**	**4.4**	**4.5**	**8.1 J**	**2.8**	**5.2**	**4.7**
EVE Acid	<2	<2	<2	<2	<2	<2	<2
Hydro-EVE Acid	<2	<2	<2	**2.7**	<2	**3.5**	<2
R-EVE	**20**	**23 J**	**17**	**16**	**13**	**46 J**	**25**
PES	<2	<2	<2	<2	<2	<2	<2
PFECA B	<2	<2	<2	<2	<2	<2	<2
PFECA-G	<2	<2	<2	<2	<2	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	**2,600**	**2,600**	**2,500**	**2,400**	**1,400**	**3,000**	**2,300**
Total Table 3+ (20 Compounds) (ng/L)	**2,600**	**2,700**	**2,500**	**2,600**	**1,400**	**3,100**	**2,400**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.8**	**4.6**	**5.3**	**4.1**	**5.6**	**4.7**	**4.7**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**4.8**	**4.7**	**5.3**	**4.5**	**5.6**	**4.8**	**4.9**
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**						
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**						

TABLE F4
RATIO OF OTHER PFAS COMPOUNDS TO HFPO-DA
Chemours Fayetteville Works, North Carolina

Location ID	SEEP-L	SEEP-M
Field Sample ID	SEEP-L-0825	SEEP-M-0818
Sample Date	10/22/2019	10/22/2019
QA/QC	--	--
Sample Delivery Group (SDG)	320-55576-1	320-55576-1
Lab Sample ID	320-55576-8	320-55576-9
Table 3+ SOP (ng/L)		
Hfpo Dimer Acid	**520**	**570**
PFMOAA	**130**	**100**
PFO2HxA	**220**	**190**
PFO3OA	**18**	**15**
PFO4DA	**2.7**	<2
PFO5DA	<2	<2
PMPA	**1,200**	**1,300**
PEPA	**350**	**410**
PS Acid (Formerly PFESA-BP1)	<2	<2
Hydro-PS Acid (Formerly PFESA-BP2)	**44**	**28**
R-PSDA (Formerly Byproduct 4)	**120 J**	**78 J**
Hydrolyzed PSDA (Formerly Byproduct 5)	<2	<2
R-PSDCA (Formerly Byproduct 6)	<2	<2
NVHOS	**5.9**	**5.6**
EVE Acid	<2	<2
Hydro-EVE Acid	<2	<2
R-EVE	**44 J**	**26 J**
PES	<2	<2
PFECA B	<2	<2
PFECA-G	<2	<2
Total Table 3+ (17 Compounds) (ng/L)	**2,500**	**2,600**
Total Table 3+ (20 Compounds) (ng/L)	**2,700**	**2,700**
Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.8**	**4.6**
Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.2**	**4.7**
Average Ratio of Total Table 3+ (17 Compounds) to HFPO-DA	**4.87**	
Average Ratio of Total Table 3+ (20 Compounds) to HFPO-DA	**5.03**	

Notes:
Bold - Analyte detected above associated reporting limit
J - Analyte detected. Reported value may not be accurate or precise
ng/L - nanograms per liter
QA/QC - Quality assurance/ quality control
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

TABLE F5-1
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - APRIL 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m2)	End Air Loading (ug/m2)	Start Deposition Rate (ng/m2/hr)[2]	End Deposition Rate (ng/m2/hr)[2]	Average Deposition Rate (ng/m2/hr)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.5	507.14	1.78	2.9	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.5	507.14	0.97	0.6	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.5	507.14	1.79	1.1	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.5	507.14	1.16	0.9	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.5	507.14	1.11	0.4	0.00011
										Total HFPO-DA:		**0.0011**
										Total Table 3+ (17 Compounds):		**0.01**
										Total Table 3+ (20 Compounds):		**0.01**

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between April 20 to 21, 2021, Table F3-1

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid
µg/m^2/yr: micrograms per meter square per year
ft/s: feet per second
hr: hours
m/hr: meters per hour
m: meter
m^2: meter square
mg/s: milligrams per second
mg: milligrams
ng/m^2/hr: nanograms per meter square per hour

TABLE F5-2
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - MAY 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m2)	End Air Loading (ug/m2)	Start Deposition Rate (ng/m2/hr)[2]	End Deposition Rate (ng/m2/hr)[2]	Average Deposition Rate (ng/m2/hr)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.2	259.22	3.48	5.7	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.2	259.22	1.89	1.3	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.2	259.22	3.50	2.2	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.2	259.22	2.26	1.8	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.2	259.22	2.18	0.8	0.00011
										Total HFPO-DA:		**0.0011**
										Total Table 3+ (17 Compounds):		**0.01**
										Total Table 3+ (20 Compounds):		**0.01**

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between May 25 to 26, 2021, Table F3-2

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid
µg/m^2/yr: micrograms per meter square per year
ft/s: feet per second
hr: hours
m/hr: meters per hour
m: meter
m^2: meter square
mg/s: milligrams per second
mg: milligrams
ng/m^2/hr: nanograms per meter square per hour

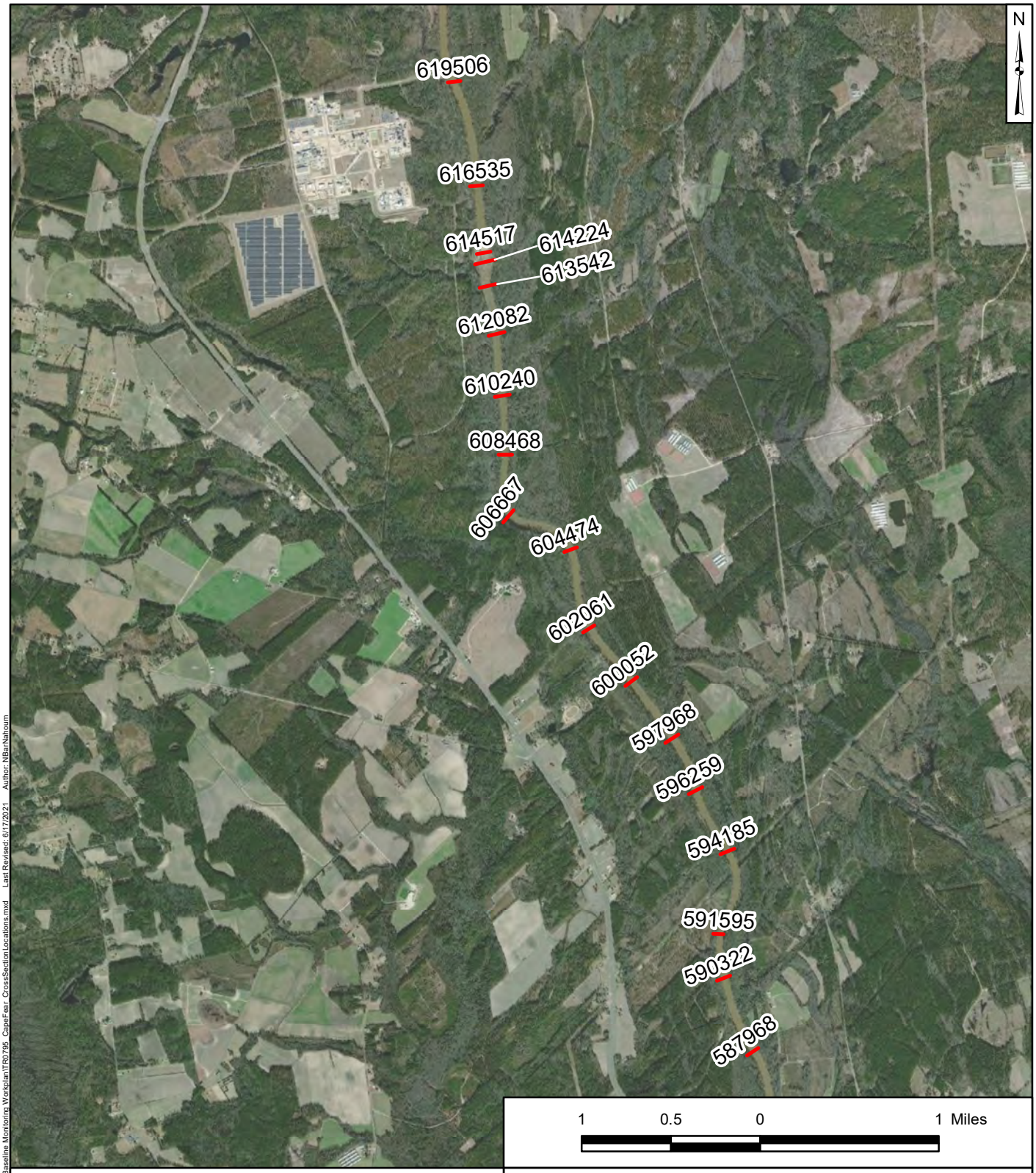
TABLE F5-3
CALCULATION OF HFPO-DA DEPOSITED MASS AND MASS FLUX - JUNE 2021
Chemours Fayetteville Works, North Carolina

Section[1]	Start Air Loading (ug/m2)	End Air Loading (ug/m2)	Start Deposition Rate (ng/m2/hr)[2]	End Deposition Rate (ng/m2/hr)[2]	Average Deposition Rate (ng/m2/hr)	Section Distance[3] (m)	Average River Width (m)	River Velocity[4] (ft/s)	River Velocity (m/hr)	Travel Time (hrs)	Mass Deposited (mg)	Mass Discharge (mg/s)
Center	160	160	18.3	18.3	18.3	903	98.59	0.8	859.96	1.05	1.7	0.00045
Up River Section 1	160	80	18.3	9.1	13.7	490	98.59	0.8	859.96	0.57	0.4	0.00018
Up River Section 2	80	40	9.1	4.6	6.8	909	98.59	0.8	859.96	1.06	0.6	0.00017
Down River Section 1	160	80	18.3	9.1	13.7	586	98.59	0.8	859.96	0.68	0.5	0.00022
Down River Section 2	80	40	9.1	4.6	6.8	565	98.59	0.8	859.96	0.66	0.3	0.00011
										Total HFPO-DA:		**0.0011**
										Total Table 3+ (17 Compounds):		**0.01**
										Total Table 3+ (20 Compounds):		**0.01**

Notes:

1. River cross sections are shown in Figure F1
2. Based on model deposition rate, Table F1
3. Section distances are measured in GIS as shown on Figures F2 through F6.
4. River velocity is calculated as an average from USGS discharge data between June 15 to 16, 2021, Table F3-3

HFPO-DA: Hexafluoropropylene oxide dimer acid; or dimer acid
µg/m^2/yr: micrograms per meter square per year
ft/s: feet per second
hr: hours
m/hr: meters per hour
m: meter
m^2: meter square
mg/s: milligrams per second
mg: milligrams
ng/m^2/hr: nanograms per meter square per hour



Legend

Cross Section

Notes:

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

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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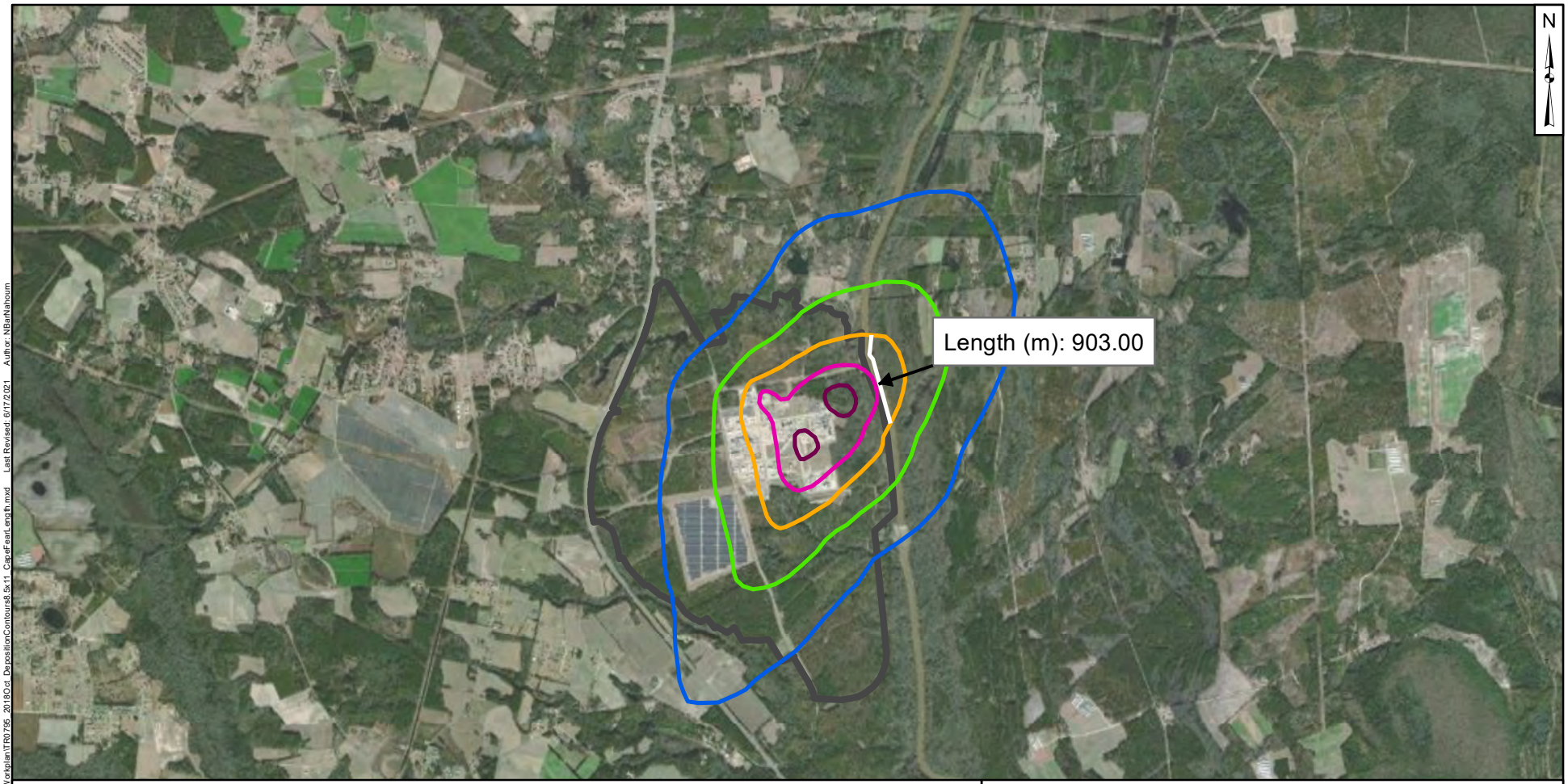
Figure **F1**

Path: \\uelph-01\data\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_CapeFear_CrossSectionLocations.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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:
HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

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

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

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

1 0.5 0 1 Miles

Measurement of Cape Fear River Length at Center Section

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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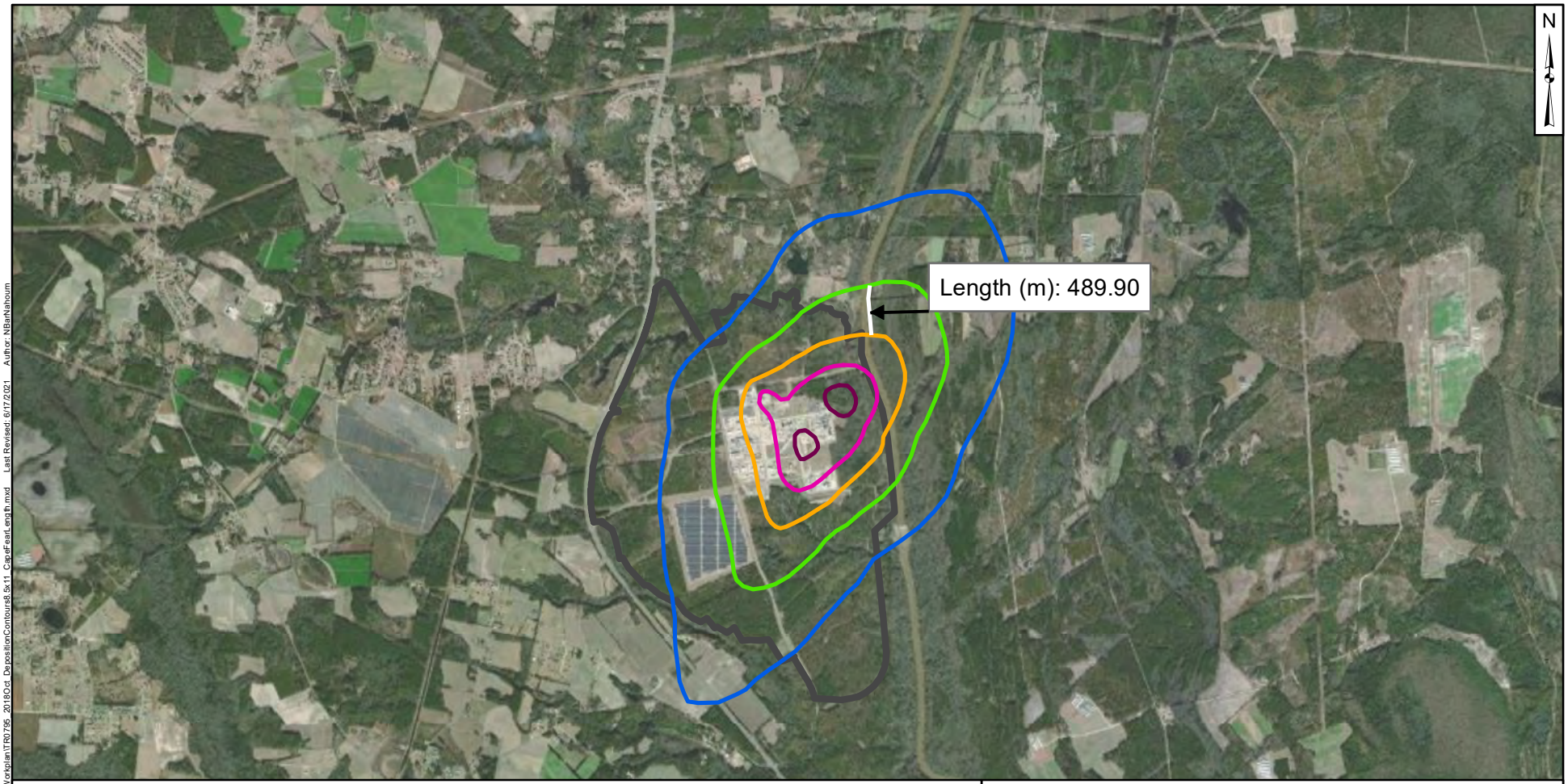
Figure **F2**

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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:
HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

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

Geosyntec consultants

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

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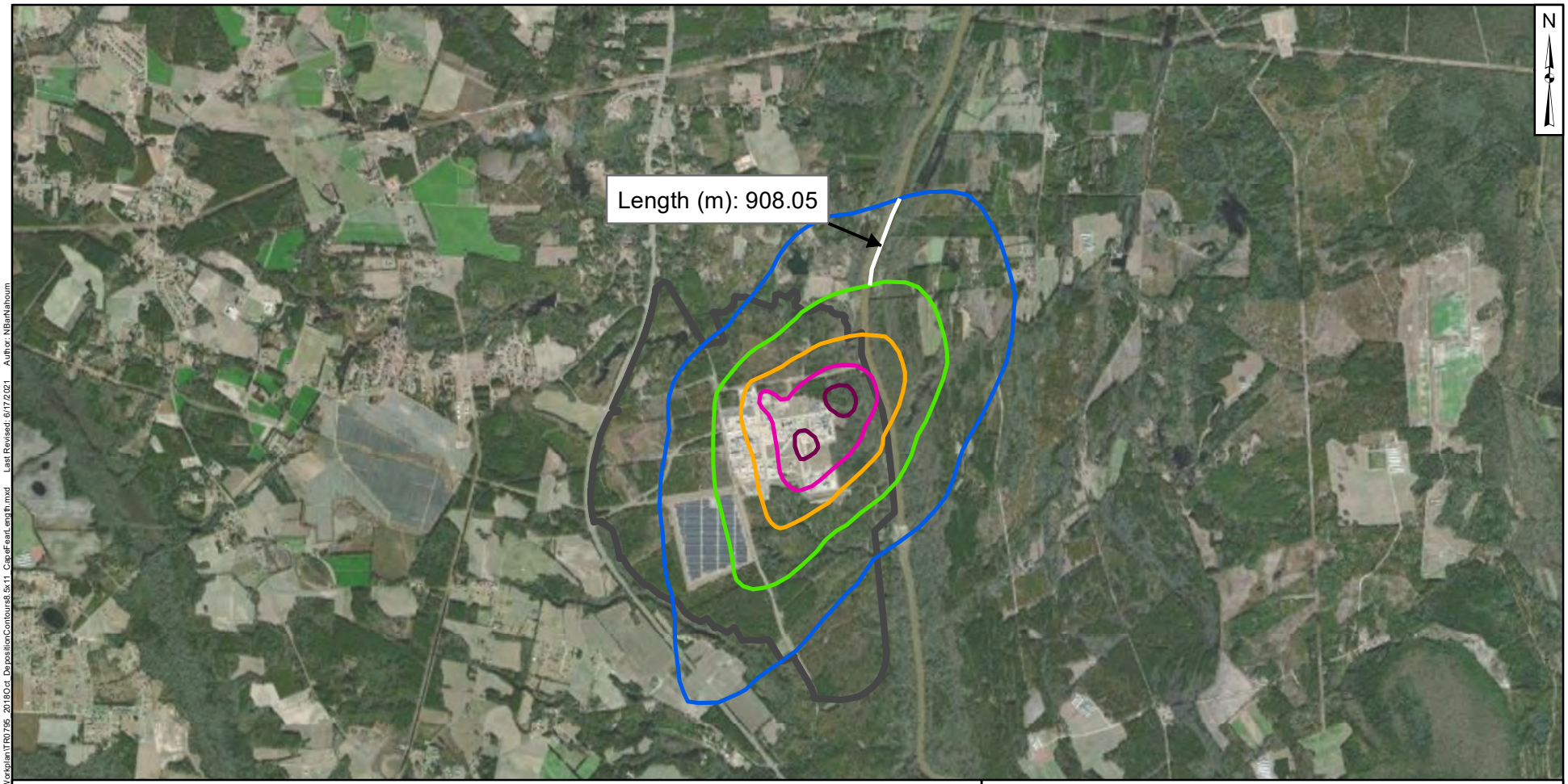
Figure **F3**

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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:
HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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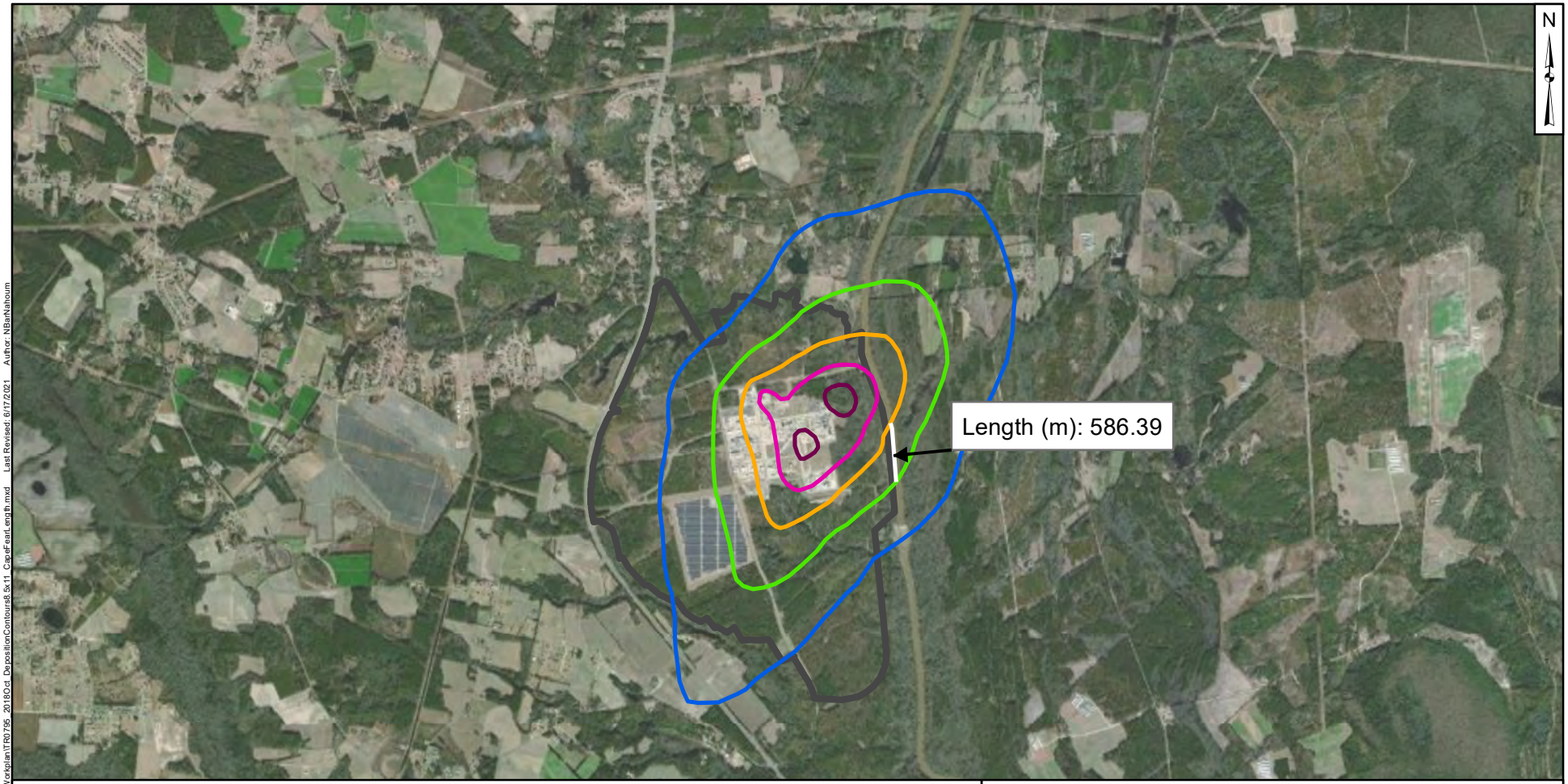
Figure **F4**

Path: \\raleigh-01\data\PR\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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:
HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

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

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

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

1 0.5 0 1 Miles

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

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

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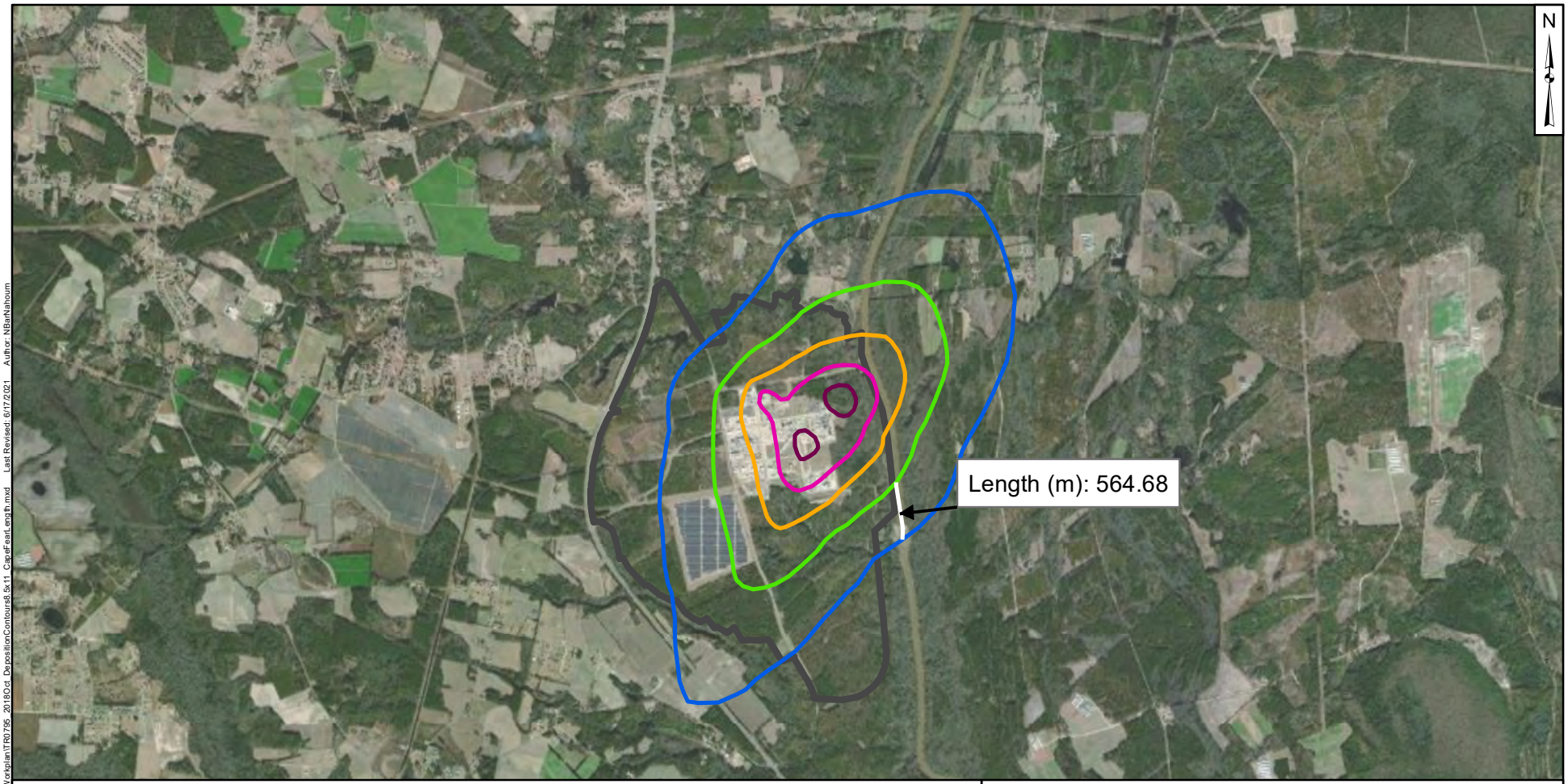
Figure **F5**

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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:
HFPO-DA - Hexafluoropropylene oxide dimer acid; or dimer acid; or GenX

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

Geosyntec consultants

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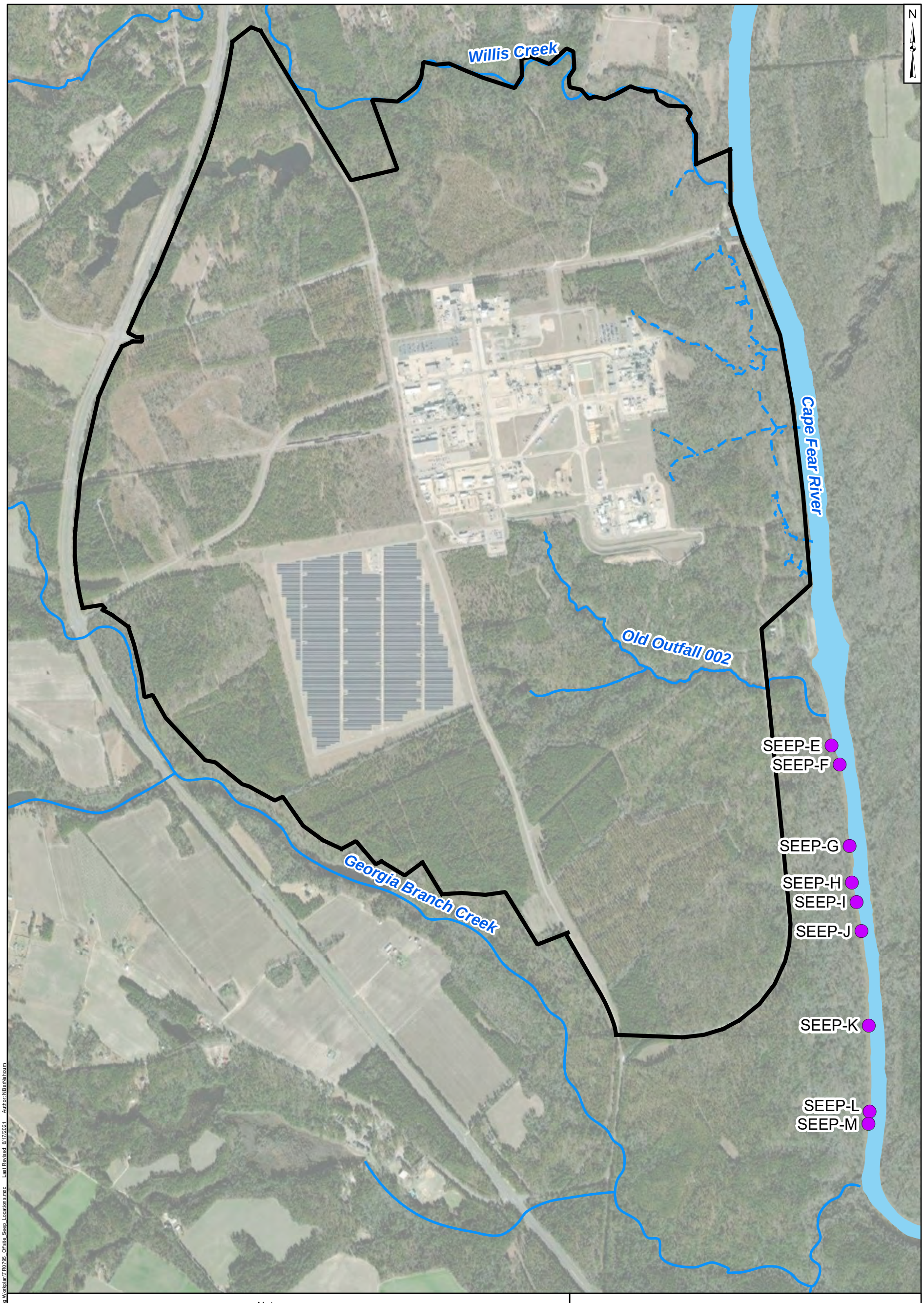
Figure **F6**

Path: \\raleigh-01\data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_2018Oct_DepositionContours8.5x11_CapeFearLength.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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



Legend

- Observed Seep
- Nearby Tributary
- Site Boundary

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

1,000 500 0 1,000 Feet

Southwestern Offsite Seeps Locations

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | September 2021

Figure **F7**

Path: \\raleigh-01\data\PR_I\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_Offsite_Seep_Locations.mxd Last Revised: 6/17/2021 Author: NBarNahoum

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