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CFR Long-Term Remedy Performance Monitoring Report #4

October – December 2023

Chemours Fayetteville Works

Prepared for

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EXECUTIVE SUMMARY

This CFR Long-Term Remedy Performance Monitoring Report #4 ("Report") has been prepared for the Q4 2023 period of October 1 through December 31, 2023 and documents the operation of the interim seep Flow-Through Cells (FTCs), the ex-situ seeps and weeps capture systems ("Ex-Situ Capture Systems"), the groundwater extraction and conveyance system (GWEC), and the groundwater treatment plant (GWTP). The table below summarizes the flow capture in millions of gallons (MG) and the per- and polyfluoroalkyl substances (PFAS) removal (Table 3+ [17 compounds]) in pounds (lbs) for each remedy element.

Remedy Element	Report Period (Oct – Dec 2023)		Cumulative through Dec 2023	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)*	Flow Captured/ Treated (MG)	Mass Removed (lbs)*
Interim FTCs	4.9	1.5	418.3	548.1
004 Treatment Plant	45.6	50.4	197.2	252.4
Ex-Situ Capture Systems	*3.6*	*Included in 004*	*11.5*	*Included in 004*
GWEC	*44.2*	*Included in 004*	*188.9*	*Included in 004*
Total (Interim FTCs + 004)	**50.5**	**51.9**	**615.5**	**800.5**

**Cumulative values reflect the lifetime operation of each remedy component (e.g., since December 2020 for Interim FTC Seep C). Please note that some previous reports have reported the total mass removed of 20 Compounds. Mass removal in this report for all remedy components is reported as 17 Compounds.*
***Differences in flow totals are attributable to the measurement resolution of flow meters on the different remedy systems as well as storage time in the surge pond, break tank, and other components. The calculated total influent of the Ex-Situ Capture Systems and GWEC system above is 47.8 MG for Q4 2023. The total influent as measured by Veolia's flow meter was 46.4 MG. The total effluent as measured by Veolia's flow meter was 45.6 MG as shown.*

Flow into the interim FTCs during the reporting period was 90% less compared to the previous year, Q4 2022, and approximately 60% less compared to the previous quarter, Q3 2023. In Q4 2023, batch mode was utilized for the majority of the reporting period, particularly at FTCs A, B, and D: for the full months of October and November and for the first half of December, these FTCs were shut off, with little to no effect observed in the impoundment water level elevations. This indicates the long-term remedy components have eliminated the seep baseflow. Batch mode has been successful in maintaining high PFAS removal efficiency levels for the intermittent periods where rainfall raises the impoundment sufficient to require opening the systems; the interim FTCs removed on average approximately 99.3% of PFAS (Total Table 3+, 17 Compounds) during the reporting period.

A reduction in influent concentration into the FTCs has also been observed. At all four FTCs, the influent concentrations decreased between 62 to 81% (December 2023 as compared to historical data through December 2022). This reduction in concentration is attributed to the barrier wall cutting off upgradient groundwater flow, and the overall water balance into the FTCs becoming predominately wet weather, rainfall derived flow. The combination of reduced flow component and reduced influent concentration has resulted in an asymptotic mass removal trend.

The 004 GWTP removed greater than 99% of PFAS[1] from the combined flow of the GWEC and Ex-Situ Capture Systems, as required by the Addendum to the Consent Order Paragraph 12 [COA] Paragraph 2.c.v.

Performance monitoring activities, including hydraulic head monitoring and surface water sampling, are also documented in this Report. Similar to the previous reporting period, performance monitoring indicates that the GWEC system has resulted in a reduction in gradient between the barrier wall and the Cape Fear River, thus reducing groundwater PFAS flux to the Cape Fear River. This reduction in PFAS mass discharge is evident in the diminished flows into the FTCs and is also documented in a report for the Mass Loading Model (MLM) program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024a).

The Cape Fear River flooded late in the reporting period (December 19). The prior flood event occurred in April 2023, while the barrier wall was still under construction. Hydraulic separation of the Black Creek aquifer by the barrier wall was observed in this flood event at all transects, as evidenced by monitoring wells downgradient of the wall (i.e., closer to the river) indicating a pressure response from the flooding, whereas wells upgradient of the installed barrier wall were not affected. This flood event was also evident in the Willis Creek extraction wells, demonstrating connectivity between the aquifer unit and surface water in this area.

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the alignment, particularly in the midsection of the Northern Alignment along Willis Creek, with nearly 8 feet of groundwater elevation reduction observed in monitoring wells. Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control. Additionally, a reduction in Willis Creek mass discharges has been observed. At sampling locations WC-2 (upstream) and WC-1 (downstream near the confluence with the Cape Fear River), the post-startup mass discharge to Willis Creek along this reach is estimated to be approximately 65% less than pre-startup. This apparent reduction effect will continue to be evaluated in future reports.

[1] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

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LIST OF ACRONYMS AND ABBREVIATIONS

COA	Addendum to Consent Order Paragraph 12
DO	Dissolved Oxygen
DQO	Data Quality Objectives
DVM	Data Verification Module
eDMR	Electronic Discharge Monitoring Reports
EIM	Environmental Information Management
EPA	Environmental Protection Agency
EW	Extraction Well
gpm	gallons per minute
FTC	flow-through cells
GAC	Granular Activated Carbon
GWEC	Groundwater Extraction and Conveyance
GWTP	Groundwater Treatment Plant
HFPO-DA	hexafluoropropylene oxide-dimer acid
lbs	pounds
MG	million gallons
mg/L	milligram per liter
µS/cm	microsiemens per centimeter
MLM	Mass Loading Model
NCDEQ	North Carolina Department of Environmental Quality
NAVD88	North American Vertical Datum of 1988
ng/L	nanograms per liter
NPDES	National Pollutant Discharge Elimination System
NTU	nephelometric turbidity units
OM&M	Operations, Maintenance, and Monitoring
OW	Observation Well
PFAS	per- and polyfluoroalkyl substances
PFM	Passive Flux Meter
PFMOAA	perfluoro-2-methoxyacetic acid

PMP	Performance Monitoring Plan
PMPA	perfluoro-2-methoxypropionic acid
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percent Difference
SU	Standard Units
USGS	United States Geological Survey

1 INTRODUCTION

Geosyntec Consultants of NC, P.C. (Geosyntec) has prepared this CFR Long-Term Remedy Performance Monitoring Report #4 ("Report") on behalf of The Chemours Company FC, LLC (Chemours) to provide a summary report of Operations, Maintenance, and Monitoring (OM&M) for the groundwater and seep remedies installed at the Chemours Fayetteville Works Site (the Site) pursuant to the Addendum to the Consent Order Paragraph 12 [COA] Paragraph 2.c.v.

This Report has been prepared for the period of October 1 through December 31, 2023 (Q4 2023). The remedy components consist of the interim in-situ flow-through cells (FTCs), groundwater extraction and conveyance (GWEC) system, the Ex-Situ Seeps and Weeps capture systems ("Ex-Situ Capture Systems"), and the groundwater treatment plant (GWTP). The components of the remedies are shown in an overview layout in Figure 1-1. Various monitoring and sampling activities were conducted during the reporting period as summarized in Table 1-1.

1.1 Data Validation

Analytical data for the data collected during the Q3 2023 reporting period 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 manual review of the data was conducted. The DVM and the manual review results were combined in a DVM narrative report for each set of sample results, which were consistent with Stage 2b of the *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (USEPA, 2009). The DVM narrative report summarizes which samples were qualified (if any), the specific reasons for the qualification, and any potential bias in reported results. The data usability, in view of the project's data quality objectives (DQOs), was assessed, and the data were entered into the EIM system.

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

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

- RPD between field duplicate sample pairs

A manual review of the data was also conducted, which included visual inspection of sample chromatograms for appropriate integration and verification that detections in field or equipment blanks have been applied to all applicable samples. Based on the results of the DVM plus manual review, the following data evaluation qualifiers were applied to the analytical results as required:

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

The DVM narrative reports are provided in Appendix A. The data review process described above was performed for all laboratory chemical analytical data generated for the sampling event. Overall, the DQOs were met for accuracy and precision. During this sampling event, all samples were within the acceptable temperature requirements for preservation during storage and shipping (i.e., between not frozen to 6°C with a target of 4°C) as outlined in the Chemours PFAS Program QAPP (AECOM, 2018). The data collected are believed to be complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE; matrix interference studies have shown that quantitation these compounds is inaccurate due to interferences by the sample matrix (Geosyntec, 2020a). Results for these three analytes are J-qualified as estimated.

1.2 Laboratory Analyses

Groundwater and surface water samples collected in Q4 2023 were analyzed for 21 Table 3+ PFAS and 35 other PFAS compounds by Method 537MM. Matrix interference studies have shown that quantitation of three of the compounds included in the Table 3+ PFAS group, R-PSDA, Hydrolyzed PSDA, and R-EVE[1] is inaccurate due to interferences by the sample matrix (Geosyntec, 2020a). Groundwater and surface water results for Table 3+ PFAS compounds are presented in report tables as three PFAS groupings:

- Total Table 3+ (21 compounds), which is the sum of all Table 3+ PFAS compounds.
- Total Table 3+ (18 compounds), which excludes R-PSDA, Hydrolyzed PSDA, and R-EVE due to the matrix interferences noted above.
- Total Table 3+ (17 compounds), which additionally excludes PFPrA, to allow for a direct comparison of results to prior years and to discuss mass removal of remedial components.

[1] 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-pentanoic acid (R-PSDA), 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-acetic acid, (Hydrolyzed PSDA), and 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid (R-EVE)

Although the report tables include results for the three groupings above, the text and figures of this report focus on the Total Table 3+ (17 compounds) PFAS grouping.

2 IN-SITU SEEP FLOW-THROUGH CELLS

The in-situ FTC remedies have been in operation since December 2020 beginning with Seep C. Detailed information on the hydraulic mechanics of the FTC system, flood management practices, data collection methodology and reduction process, and flow calculation formulas is presented in previous Seeps O&M reports. As a simplifying step for presentation clarity, at various sections in this report, reference is made to these details within Seeps O&M Report #14 (Geosyntec, 2023a), the last of the bimonthly Seeps O&M Reports.

2.1 Inspections, Operation, and Maintenance

The following sections describe the inspections, operation, and maintenance activities completed at the four FTCs during the current reporting period.

2.1.1 Inspections

Routine inspections occurred on a weekly basis (at a minimum), and also occurred within a 24-hour period after rain events of 0.5 inches or greater. An Inspection Form was filled out by O&M personnel during each inspection.

The routine inspections included, but were not limited to:

- Documenting the system duty cycle (i.e., batch mode operation, or lead/lag orientation of the granular activated carbon [GAC] filter beds if there was flow to process).
- Measuring and collecting operational parameters/data, notably water elevation data that are used to evaluate influent flowrate and the occurrence (if any) of bypass.
- Documenting potential observed issues, such as sediment accumulation in the impoundment basin, structural problems, GAC fouling, and debris that is impairing flow through the system.
- Inspecting the autosamplers.
- Photographing the conditions observed, including any bypass flow.

A summary of the inspection and maintenance events completed during this reporting period is provided in Tables 2-1A-D for Seeps A-D, respectively. Further details of these events are provided in the following subsections.

2.1.2 Duty Cycling

The Seep FTCs are constructed of two filter beds which typically operate in series. Tables 2-1A-D detail the filter bed configurations for Seeps A, B, C, and D over the reporting period of October 1 through December 31, 2023. The table below summarizes the approximate number of days in the reporting period each FTC was either in batch mode operation (i.e., the FTC closed to flow); or if in operation, which filter bed was in lead.

Seep	FTC Closed to Flow in Batch Mode (days)	FB1 Lead (days)	FB2 Lead (days)	Total Uptime in Reporting Period (days)
A	75	0	17	92
B	75	17	0	92
C	36	54	2	92
D	75	0	17	92

2.1.3 FTC Management During River Flooding

During the reporting period, the Cape Fear River rose above the action level[2] from December 18 through December 20, 2023. The river rose above the discharge weirs of the systems but did not enter the bypass spillways or rise above the top of wall. Cape Fear River elevation data are described in Section 2.3.5. Cape Fear River elevation statistics are presented in Table 2-2, and elevation changes during the reporting period are shown on Figure 2-1.

2.1.4 Material Changeouts

The table below summarizes the material changeouts through this reporting period:

[2] See Section 2.3 of Seeps O&M Report #14 for details regarding the action level that was established to protect the electronic components of the autosamplers from flood events.

Seep	Filter Bed	GAC Changeouts		
		Date	GAC Age/Lead Days	GAC Removed (lbs)
C	FB2	10/4/2023	104/100.5	9,000
B	FB2	11/2/2023	196/119	27,000
A	FB1	11/15/2023	196/112	27,000
			Total	*63,000*

2.1.5 Issue Resolution and System Optimization

During the reporting period, approximately in early November, flow was observed to be entering Seep C FTC in dry weather, in contrast to the other FTCs that experienced no flow entering the inlets. Seep C flow appeared to be emanating from seepage at the bluff face in the vicinity of the Outfall 002 discharge pipe. An investigation, described below, indicated that the flow originated from a now repaired leak in the Outfall 002 discharge pipe. The approximate location of this investigation and leak repair is shown on Figure 1-1.

Expedited sampling of the seepage entering Seep C indicated much lower Table 3+ PFAS concentrations than historically observed in groundwater in this area, potentially indicating a subsurface discharge of relatively unimpacted water to the shallow water table[3]. A field investigation consisting of shallow piezometer installations was undertaken with the objective of identifying potential water table mounding, and if found, to then isolate the location of the discharge.

The investigation consisted of the installation of 31 shallow piezometers during two different mobilizations (19 piezometers in mid-November, and 12 more piezometers in early December). All piezometers were installed with 1-inch diameter pre-packed PVC screens to target saturated zones of the surficial aquifer. Gravel pack was added to a minimum of 1 foot (ft) above the top of the screen, and bentonite pellets were added to the surface and hydrated.

During piezometer installation, upwelling groundwater was observed in the macro-core samplers that were recovered closest to the Outfall 002 discharge pipe. Upwelling values ranged from 0.2 ft to 3.3 ft with higher upwelling values consistently observed in locations closest to the pipe. To evaluate potential leaks in the discharge pipe, transducers were installed in piezometers to monitor changes in water levels during temporary shutdowns of Outfall 002. Temporary shutdown tests were implemented and moderate drops in water levels were observed. Visual observations of the

[3] The Outfall 002 discharge pipe contains treated water from the 004 GWTP, and treated wastewater and non-contact cooling water from the facility.

inside of the Outfall 002 discharge pipe also identified gaps in pipe joint surfaces. After this initial investigation, Chemours applied a joint sealing remedy on December 13, 2023.

In the 48-hours following the joint remedy, water levels in all piezometers downgradient of the barrier wall lowered by approximately 1 ft, ranging from approximately 0.5 to 1.5 ft. The greatest drop in water levels was observed in piezometers closest to the Outfall 002 discharge pipe. Additionally, the flowrate at the bluff face was observed to be notably less than before the remedy application, and has continued to decline at the time of this report. Throughout the investigation process, as documented in Section 2.3, this water was captured and treated to typical removal efficiencies by the Seep C FTC.

2.2 Data Collected

The FTCs include design components to measure water levels in the system, precipitation, water quality, and per- and polyfluoroalkyl substances (PFAS) removal performance. The W.O. Huske Lock and Dam gauge station is also used to reference nearby precipitation and river levels. Details regarding the procedures for each type of data collected, including pressure transducer management and data processing, rainfall and river stage data collation, and sample collection can be found in Seeps O&M Report #14. The transducer data reduction process for the current reporting period is provided in Appendix B.

Data Type	Monitoring During Q4 2023
Impoundment Elevation	Monitored every 15-minutes using pressure transducers in the influent stilling basins, and with daily observation of the staff gauges in the impoundments.
Flowrate Measurements	Monitored for flow every 15-minutes using pressure transducers during passive flow operation. At Seep C, water was occasionally pumped from the impoundment through a manifold equipped with a flowmeter into the lead filter bed, as a means to increase the amount of freeboard. During these instances, volume of water pumped was recorded using the flowmeter.
Rainfall and River Stage	Monitored every 15 minutes using data from the W.O. Huske Dam (gauge 02105500).
Performance Monitoring and Water Quality Measurements	Sampling is only able to be performed when there is sufficient flow to process in the FTCs (i.e., no samples are collected when in batch mode). During this reporting period, two sets of performance monitoring samples each were collected from Seeps A, B, and D. Eleven sets of performance monitoring samples were collected from Seep C. Dates of composite periods for each sample are listed in Tables 2-3A-D. Water quality in the Inlet Chamber and Effluent Stilling Basin at Seeps A-D was monitored at the same frequency as performance monitoring.
Breakthrough Monitoring	Grab samples were collected from the Inlet Chamber, Transfer Basin, and Effluent Stilling Basin at Seeps A-D for evaluation of system performance and the need for GAC changeouts. Two sets of breakthrough monitoring samples were collected from Seep A, B, and D, and six sets of breakthrough monitoring samples were collected from Seep C during this reporting period (12 total).
Rain Event Monitoring	Wet weather monitoring samples were not collected in this reporting period, as either cells were closed for batch mode processing or flow through the cells was hindered due to river flooding.

2.2.1 Deviations

Performance Monitoring Sampling Deviations

Performance monitoring samples were collected at Seeps A-D per the *Interim Seep Remediation Plan* (Geosyntec, 2020b) when the FTCs were in operation and able to be sampled. There were no deviations in the reporting period. Table 2-3A-D provides a detailed account of the sampling and compositing that was able to be performed during the extensive periods of batch mode operation (closed to flow).

Wet Weather Sampling Deviations

Wet weather monitoring samples were not collected in this reporting period, as either cells were closed in batch mode operation, or flow through the cells was hindered due to river flooding.

2.3 Results

The results for each type of data collected are described in detail in the following subsections. Laboratory analytical results are compiled in Appendix A. A brief overview of the results is as follows:

Reporting Period Metric	Seep A	Seep B	Seep C	Seep D	Total
Rainfall, Actual (inches)	7.53 *(October 1 – December 31, 2023)*				
Rainfall, Historical Average (inches)	10.73 *(October 1 – December 31, 2004-2020)*				
River Above Spillway (days) [1]	0	0	0	0	N/A
Median Flow Rate over full reporting period (gpm) [2]	0	0	0	0	0
Median Flow Rate (gpm) when in operation [3]	18	42	35	11	106
Seep Volume Treated (MG)	0.7	1.4	2.6	0.2	4.9
PFAS Removed (lbs) [4]	0.31	0.58	0.52	0.05	1.46

1 - Seeps A and D are approximately 1 ft lower in elevation than Seeps B and C.

2 – Median flow rate calculated during entire reporting period, including during batch mode operations when cells are closed to flow.

3 – Median flow rate calculated when FTCs were processing flow (i.e., not in batch mode).

4 – Total PFAS calculations are based on the total Table 3+ (17 compounds) presented in Table 2-4A-D.

2.3.1 System Flowrates and Operational Periods

System Flowrates

Figures 2-2A-D show the measurable flowrates through the FTC over the reporting period for Seeps A-D, respectively. The flowrate statistics calculated from measurable discharge flowrates for Seeps A-D for the current reporting period are tabulated below. Due to widespread batch mode

conditions in Q4 2023, the median flow rate in the systems (i.e., the middle value in the flow data set) was zero. The median flow rate during intermittent operation is also provided.

Flowrate Metric	Seep A	Seep B	Seep C	Seep D
Median Flow Rate (gpm) during the Reporting Period	0	0	0	0
Median Flow Rate (gpm) when in operation	18	42	35	11
Median Flow Rate (gpm) prior to Barrier Wall installation (from FTC startup through December 2022)	85	124	49	83

Approximately 0.7 MG, 1.4 MG, 2.6 MG, and 0.2 MG of water (4.9 MG total) were treated by the Seeps A, B, C, and D FTCs, respectively, from October 1 through December 31, 2023. As shown in Figure 2-3, total volume discharged by the FTCs has decreased dramatically since January 2023. The reductions in flow are attributed to the barrier wall and the operation of the groundwater extraction system and Ex-Situ Capture Systems. It is also noted that the flow captured by the Seep C FTC in this period includes a component of Outfall 002 discharge pipe water.

Instances of Bypass

The influent water level elevation and occurrences of bypass flow for Seeps A-D for the reporting period are shown in Figures 2-4A-D. The total rainfall received in the reporting period is shown below. In late December, the heavy rains caused bypass at Seeps A, B, and C. These few instances of bypass at the seeps were resolved with maintenance events lowering the impoundment below the spillway, similar to previous reporting periods.

Period	Rainfall (inches)	Historical Rainfall (inches)	% Difference Compared to Historical
October 2023	0.8	3.24	-75%
November 2023	2.14	3.59	-40%
December 2023	4.59	3.91	+25%
Q4 2023	7.53	10.73	-30%

Long-Term Remedy Impacts on Baseflow

Figures 2-4A-D depict the elevation of the influent pond at each seep and instances of batch mode processing. As shown, even with the FTCs turned off, the impoundment elevation generally appears to respond only during rainfall events, indicating that the long-term remedy components

have eliminated the seep baseflow. This effect was most apparent at FTCs A, B, and D, as FTC C was affected by the Outfall 002 discharge pipe as discussed in Section 2.1.5. It is anticipated that FTC C will resemble the other FTCs after the Outfall 002 discharge pipe repairs are complete.

As an additional means to measure changes in impoundment elevation, a staff gauge was installed in the impoundment of each seep on September 25-26. Daily observations of these gauges at each Seep are provided in Figures 2-5A-D and facilitate tracking of changes of impoundment elevation even when the elevation decreases below the invert of the inlet weir or during batch mode processing (thereby becoming inaccessible to the transducer in the Influent Stilling Basin). Continued assessment of impoundment elevation in future reporting periods will further support evaluating if baseflow to the seeps has been mitigated by the installation of the barrier wall and operation of the extraction wells as part of the remedy.

2.3.2 Performance Monitoring Analytical Results

Analytical results for the composite performance monitoring samples are provided in Tables 2-4A-D and summarized below. Figure 2-6 shows that influent concentration of total Table 3+ PFAS (17 compounds) into the FTCs has reduced in the recent months. For data up through December 2022 (approximately the time when barrier wall test panel installation began), the average influent concentration into FTCs A-D ranged from 102,000 to 236,000 nanograms per liter (ng/L). As shown below, the average Influent concentration into the FTCs in Q4 2023 ranged from 18,500 to 50,000 ng/L[4]. This reduction in concentration is attributed to the barrier wall cutting off upgradient groundwater flow, and the overall contribution of water balance into the FTCs becoming more dominated by wet weather, rainfall derived flow. The combination of reduced flow component and reduced influent concentration has resulted in an overall mass removal trend that is approaching asymptotic levels as shown in Figure 2-7. These trends will continue to be monitored in future quarters.

Implementation of batch mode, in which the impoundment levels are managed such that accumulated water in the basin is processed at flow rates more typical of the historical operation, appear to be increasing the removal efficiencies to the same level (i.e., ~99%) as previous.

[4] Seep C influent data were likely affected by the Outfall 002 discharge pipe, particularly in November and early December (a low value of 7,800 ng/L on November 30 is not typical of dry or wet weather flow in this area). After repairs were initiated in mid-December, the influent concentrations increased closer to typical values, for example 40,000 ng/L on December 26. Removal efficiencies were not affected.

Analytical Results – Performance Monitoring	Seep A	Seep B	Seep C	Seep D
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L)	50,000	48,500	18,500	38,500
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	980	111	20	255
Average Removal Efficiency (%)	98.0	99.8	>99.9	99.4

2.3.3 System Effectiveness

System effectiveness calculation procedures are presented Seeps O&M Report #14. Based on the system flowrate data and the performance monitoring composite sample data of the three indicator compounds, the system effectiveness for Seeps A-D was calculated as follows. For FTCs that were closed in batch mode during full calendar months, there was no flow to sample, and thus System Effectiveness is not calculated.

	System Effectiveness (%)			
	Seep A	**Seep B**	**Seep C**	**Seep D**
October	No Flow	No Flow	>99.9	No Flow
November	No Flow	No Flow	>99.9	No Flow
December	98.0	99.7	>99.9	99.5
Overall Average	*99.5*			

2.3.4 Wet Weather Sampling Results

Wet weather monitoring samples were not collected in this reporting period, as either cells were closed for batch mode processing or flow through the cells was hindered due to river flooding. As noted in Paragraph 2(a)(iii) in the CO Addendum, wet weather sampling results are not to be used to determine compliance under Paragraph 2(a)(vi).

2.3.5 River Elevation and Precipitation

The Cape Fear River was monitored using the existing United States Geological Survey (USGS) weather monitoring station at the W.O. Huske Dam (gauge 02105500), as described in Section 2.2. Beginning on December 18, the river rose above the elevation of the discharge weir (but not the bypass spillway or top of wall) at all four FTCs and receded below these features by December 20. On December 28, due to additional rain, the river rose again, this time only above the discharge weir elevations of Seep A and D, as these two systems are installed in lower-lying areas than Seeps B and C. The changes in elevation of the Cape Fear River during the reporting period (October 1 through December 31, 2023) are shown in Figure 2-1. For clarity of presentation, Figure 2-1 shows the key FTC elevations at Seep C only.

Table 2-2 presents the percent of time the elevation of the Cape Fear River has exceeded these key elevations over the lifetime of operation at each seep FTC. As shown, the amount of time the river has been above the FTC features is similar to the historical record.

2.3.6 Water Quality

The water quality measurements collected during the reporting period are provided in Tables 2-5A-D and described below:

- **Dissolved Oxygen (DO):** No significant differences were observed in the fluctuations of DO between influent and effluent locations at all four seeps. On a median basis, the DO changed by 0.8 milligram per liter (mg/L) or less. Aerobic (>2 mg/L) conditions were consistently observed during the reporting period. The FTC systems do not involve biological activity to treat influent water, therefore, DO is not expected to decrease or increase significantly over the system's residence time.

- **Temperature:** At all four seeps, the median temperature of the effluent was within 2.0°C of the median temperature of the influent during this reporting period. Due to the relatively short residence time in the FTC, temperature is not expected to change significantly throughout the FTC.

- **Specific Conductance:** For all four Seeps, the difference in median specific conductance across influent and effluent locations ranged between −77 and 5.9 microSiemens per centimeter (µS/cm). During normal hydraulic conditions, the FTC is expected to have little effect on the anion/cation content of the seep baseflow.

- **pH:** The median influent pH at the four seeps ranged from 6.5 to 7.7, and the median effluent pH ranged from 6.7 to 8.1 standard units (SU) in this reporting period. From the Inlet Chamber to the Effluent Stilling Basin, the median pH of treated water at Seeps A, B, C, and D changed by 0.2, 1.0, 0.4, and 0.03 SU, respectively.

- **Turbidity:** The median turbidity of the influent water at Seeps A-D ranged from 29 to 103.6 nephelometric turbidity units (NTU). The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A-D ranged from 2.0 to 53.1 NTU.

- **TSS:** The median influent TSS at Seeps A-D ranged from 6 to 95 mg/L. Median effluent TSS at Seeps A-D was detected in minimal concentrations (18 mg/L or lower). As was the case with turbidity, the FTCs generally decreased the TSS in the influent water.

3 EX-SITU SEEPS AND WEEPS CAPTURE

Section 3 summarizes the operation, maintenance, and monitoring activities performed by GEOServices, LLC as the operator of the Ex-Situ Capture Systems. This remedy consists of four seep capture locations (Willis Creek Tributary, Seep A, Seep A Tributary, and Seep B), and three dedicated weep capture locations[5] (Weep 1, Weep 3, and Weep 4). Additionally, at seep capture location Seep A, the nearby Weep 7 is tied into the basin and is included in this system's capture. At seep capture location Seep A Tributary, the nearby weeps 9, 10, and 11 are tied into the wet well and are included in this system's capture. The 004 GWTP pad is connected to Weep 4 and includes its capture.

The seep capture locations are required to capture dry weather flows and stormwater flows from rainfall events up to 0.5 inches over 24 hours. Through the ex-situ force main, the captured water is pumped to a lined surge pond, which the GWTP periodically withdraws for treatment.

3.1 Operation and Maintenance

The Ex-Situ Capture Systems have been operating since April 20, 2023. Pumping of captured water from ex-situ seep and weep locations to the surge pond continued during this reporting period. The 004 GWTP treated the captured water after periodically withdrawing from the surge pond. Routine operations and maintenance were performed on the capture systems per GEOServices' O&M Plan.

3.2 Data Collected

On a daily basis Veolia recorded the volume conveyed from the surge pond to the 004 GWTP. Instrumentation and telemetry at each individual capture system became operational on July 20. Via the telemetry network, flow data from totalizers at Seep A, Seep A Tributary, Seep B, Willis Creek Tributary, and Weep 3 began to be automatically collected at a 15-minute frequency. Prior to July 20, flow data from the totalizers was manually noted.

3.3 Results

Table 3-1 shows the daily volume conveyed from the surge pond to the 004 GWTP and totalizer volumes conveyed from Seep A, Seep A Tributary, Seep B, Willis Creek Tributary, and Weep 3. During this reporting period, approximately 3.6 MG of captured water was pumped from the seep and weep capture locations to the surge pond and approximately 3.9 MG was conveyed from the surge pond to the 004 GWTP. The extra 0.3 MG to the 004 GWTP is from captured water in Q3

[5] The Weep 1 capture system was recently installed in mid-December 2023 and pumps captured water into the GWEC force main. Its capture location has been added to Figure 1-1. Weep 3 and Weep 4 capture systems have been reported previously.

2023 that did not get conveyed for treatment and from rainwater collected in the surge pond. The captured water in Q4 2023 is 35% lower than Q3 2023 (3.6 MG vs 5.5 MG). This decrease is attributed to the relatively dry conditions in Q4 2023.

4 GROUNDWATER EXTRACTION AND CONVEYANCE

Section 4 describes the GWEC operation, maintenance, and monitoring activities that were conducted by Geosyntec as the operator of the system and provides a summary of the critical operational data that were collected and discusses the monitoring results from extraction well sampling activities during the reporting period. Construction details for the extraction wells are provided in Table 4-1.

4.1 Operation and Maintenance

The GWEC system has been operating since March 14, 2023. The performance of the individual components of the GWEC system, on a well-by-well basis, are continuously recorded via a telemetry network. System alerts and alarms have been programmed and are generated when a GWEC component is underperforming or not functioning. In such cases, Geosyntec leads the OM&M response, and performs the required corrective measures. On a minimum monthly basis, preventative maintenance and inspection is performed, in which extraction well components, control panels, and forcemain air release valves are individually checked.

4.2 Data Collected

4.2.1 Extraction Well Operational Data

Table 4-2 provides a summary of flow data (daily average flow rate and daily cumulative volume) for the GWEC system (combined flow from all wells). Table 4-3 provides a summary of flow data for each extraction well during the reporting period (average monthly flow rate, and total cumulative volume by month).

4.2.2 PFAS Data

The annual post-startup PFAS sampling of extraction wells for 2023 was performed on April 12, 2023, and discussed in CFR Long-Term Remedy Performance Monitoring Report #2 (Geosyntec, 2023c). The extraction wells will be sampled next in Q2 2024.

4.3 Results

4.3.1 Groundwater Extraction

The GWEC system extracted approximately 44.2 MG during the reporting period, with approximately 4.7 MG from surficial aquifer wells and 39.5 MG from Black Creek aquifer wells. The average extraction rate during the reporting period was approximately 332 gallons per minute

(gpm). This was an approximate 16% decrease from the previous reporting period of 394 gpm, which is attributed to continued declines in water levels in the Black Creek aquifer upgradient of the remedy. As shown in Table 4-3, the flow rates in the Northern Alignment are lower than the Southern Alignment (in December, the average Willis Creek EW pumped about 3.4 gpm, whereas the average EW in the Southern Alignment pumped about 5.0 gpm). This is consistent with previous work at the site (Geosyntec, 2021 and Geosyntec, 2022) which indicates that the aquifer sands in this area are generally much thinner, less connected, and less transmissive than aquifer sands in the Southern Alignment.

5 004 TREATMENT PLANT

Section 5 provides GWTP operational data collected by Veolia as the operator of the treatment system and discusses the performance of the treatment relative to the design objectives and the COA, which requires that extracted groundwater is treated to remove PFAS compounds[6] by at least 99%. As with the GWEC system, the 004 GWTP has been operating since March 14, 2023.

Chemours reports various GWTP performance data in electronic Discharge Monitoring Reports (eDMRs) per the National Pollutant Discharge Elimination System (NPDES) permit NC0090042, and additionally provides laboratory reports and an analysis of the treatment efficiency (in percent removal of the indicator compounds HFPO-DA, PMPA, and PFMOAA) in a data transmittal process to North Carolina Department of Environmental Quality (NCDEQ). This Report does not reproduce that effort, and only reports on the flow and treatment aspects to comply with COA Paragraph 2.c.v. The following data are consistent with the eDMRs and data transmittals.

5.1 Data Collected

5.1.1 Flow Rates

Veolia measures flow at the combined influent and effluent monitoring locations as required by the NPDES permit. Flow measurements are collected by the meters at a 15-minute frequency.

5.1.2 PFAS Influent and Effluent

Veolia collects weekly (at a minimum) samples of the total influent and effluent per NPDES reporting requirements. Once per month, the samples are analyzed for Table 3+ PFAS, and once per quarter, the samples are analyzed for Table 3+ and EPA Method 537 MOD. The remaining weekly samples are analyzed for indicator compounds HFPO-DA, PFMOAA, and PMPA. All samples were analyzed by Eurofins TestAmerica Laboratories.

5.2 Results

5.2.1 Flow Rates

The daily total volume treated and discharged, and the average daily discharge flow rate, are provided in Table 5-1. As shown, the GWTP treated and discharged a total volume of 45.6 MG over the reporting period. The average daily flow rate for this duration was 344 gpm. This is 20% lower in comparison to the previous period (431 gpm in Q3 2023) and is attributed to the

[6] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

coinciding reductions in GWEC flow and water collected at the ex-situ seep and weep capture locations.

5.2.2 Analytical Results

The laboratory analytical results for the influent and effluent samples are shown in Table 5-2. Laboratory analytical reports for 004 samples are compiled in Appendix A. As shown, the total Table 3+ (17 compounds) PFAS concentration in the influent ranged from 120,000 to 150,000 ng/L. The Table 3+ (17 compounds) PFAS analytes were not detected above laboratory reporting limits in effluent samples, indicating at least 99% removal as documented in data transmittals from Chemours to NCDEQ.

5.2.3 PFAS Mass Removal

The flow rate data (monthly totals) and PFAS concentration data (monthly representative concentration per the monthly or quarterly samples, which in this reporting period were collected on October 3, November 13, and December 11) were used to calculate Table 3+ PFAS mass removal. As shown below, the total Table 3+ PFAS mass removed (17 compounds) by the GWTP in the reporting period (Q4 2023) was 50.4 lbs. Through the end of the previous period (Q3 2023), 202.0 lbs of PFAS was removed. Therefore, the amount of PFAS removed from commissioning through December 31, 2023 is 252.4 lbs.

Reporting Month	Total Volume Treated by GWTP (MG)	Total Table 3+ (17 Compounds) PFAS Concentration per Monthly/Quarterly Sample (ng/L)	Table 3+ (17 Compounds) PFAS Mass Removed (lbs)
October	14.2	150,000	17.7
November	14.4	130,000	15.7
December	17.0	120,000	17.0
Q4 2023 Total	45.6	N/A	50.4

6 PERFORMANCE MONITORING EVALUATION

A Performance Monitoring Plan (PMP) was prepared to address long-term groundwater remedial action effectiveness. The PMP proposed to evaluate the effectiveness of the remedy with multiple lines of evidence, which are listed below and discussed in more detail in this section:

- Hydraulic head both along the barrier wall alignment and downgradient of the barrier wall between the wall and the Cape Fear River, to assess groundwater capture and the reduction in hydraulic gradient downgradient of the remedy alignment;
- Passive flux meters (PFMs), to evaluate downgradient groundwater Darcy flux;
- Surface water samples at Willis Creek, to evaluate reduction in PFAS loading to Willis Creek;
- Surface water samples at Tar Heel Ferry Road, to evaluate PFAS concentrations and mass loads in the well-mixed Cape Fear River downstream of the facility; and
- Groundwater sampling at extraction and monitoring wells between the groundwater remedy and the Cape Fear River or Willis Creek.

6.1 Data Collected

6.1.1 Hydraulic Head and Surface Water Elevation

Monthly gauging events of 83 observation wells (OWs) was performed on October 30, November 28, and December 20, 2023. The hydraulic head monitoring network is shown in Figure 6-1. In addition to these manual gauging events, transducers were also deployed in a network of 16 wells that comprise 6 transects that span across the barrier wall alignment. These transducers were deployed on March 8, 2023, during the final GWEC commissioning and about one week prior to the March 14, 2023 operational startup. The transducers record groundwater elevation every 15 minutes and are downloaded monthly. Finally, data is incorporated from three transducer stilling wells[7] that were installed at Willis Creek between September 20 and October 6, 2023.

[7] Staff gauges in Willis Creek have been repeatedly damaged by fast moving water in storm events. The stilling wells are able to be anchored more securely into the stream sediments, and the transducers provide much higher resolution data than monthly readings of the staff gauges. Therefore, moving forward, the stilling wells will be relied upon for Willis Creek stream elevations.

6.1.2 PFAS Concentrations in Groundwater and Surface Water

Downgradient Groundwater

PMP wells, to be sampled on a semi-annual basis (Q1 and Q3), were not sampled in Q4 2023.

Mass Loading Model (MLM) wells are sampled quarterly. A total of 14 MLM monitoring wells are downgradient of the long-term remedy and are therefore potentially viable data points for effectiveness monitoring (OW-28, OW-33, LTW-01, LTW-02, LTW-03, LTW-04, LTW-05, PIW-1S, PIW-1D, PIW-3D, PIW-7S, PIW-7D, PZ-22, and SMW-12). Except for PIW-1S, which was consistently dry, these MLM wells were sampled from November 2 through 13, 2023. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+ and EPA Method 537 MOD.

Willis Creek Surface Water

At three locations within Willis Creek (WC), routine quarterly sampling was performed to evaluate potential long-term reductions in concentration (reductions in the short-term are not necessarily anticipated). The sampling procedures were in accordance with the Cape Fear River PFAS Mass Loading Assessment Report series (Geosyntec, 2024a). WC-1, WC-2, and WC-3 were sampled on November 23, 2023. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+ and EPA Method 537 MOD.

Cape Fear River Surface Water

Since November 2022, surface water grab samples have been collected monthly at four transects along the Cape Fear River. Each transect consisted of three sampling locations, for a total of 12 sampling points. The sampling program was in accordance with the *Final National Pollutant Discharge Elimination System (NPDES) Permit for Outfall 004* (Permit: NC0090042). The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+. The samples will be collected quarterly starting Q1 2024 (i.e., six months after the completion of the barrier wall as per the Permit requirements).

Since March 2020, routine sampling of the Cape Fear River has been performed at Tar Heel Ferry Road Bridge (or Tar Heel, approximately 7 miles downstream of the Site). The sampling program was in accordance with the Paragraphs 1(a) and 1(b) of the Addendum to Consent Order paragraph 12 (CO Addendum). Composite samples were collected generally twice per week using an autosampler. Grab samples were collected when the composite sampling program was temporarily interrupted due to various factors such as vandalism, equipment malfunction, or high river stages which may flood the autosampler. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+.

6.1.3 Passive Flux Meters

The first post-startup deployment of PFMs was conducted in August 2023 and its results were discussed in CFR Long-Term Remedy Performance Monitoring Report #3 (Geosyntec, 2023d). The next post-startup deployment is planned for Q2 2024.

6.2 Results

6.2.1 Hydraulic Head and Surface Water Elevation

This section discusses hydraulic head which is a critical line of evidence for evaluating hydraulic containment of groundwater. This section is developed in the following sequence:

1. As the Cape Fear River can influence some wells screened in the Black Creek aquifer, this section will first discuss the river conditions during each gauging event. Notably, during high river stages (flooding), this can exert a pressure response on the confined aquifer that has connectivity to the river.

2. The results in the Southern Alignment (Barrier Wall portion) are discussed next, which includes discussion of both the Black Creek aquifer and the surficial aquifer.

3. Last, the results in the Northern Alignment (Willis Creek area) are evaluated separately from the Southern Alignment.

1. River Stage During Gauging Events

Hydraulic connectivity between the Black Creek aquifer and the Cape Fear River was discussed in CFR Long-Term Remedy Performance Monitoring Report #1 (Geosyntec, 2023b). As before, river levels for each gauging event in this reporting period were obtained from the USGS Huske station 02105500. The average river elevation for the duration of the gauging event (e.g., from 8AM to 4PM) was calculated from the 15-minute frequency data available from USGS. These average levels were compared to the available historical dataset (2007 to 2020) to calculate the corresponding percentile values, to show whether those gauging events were performed on relatively high or low river conditions.

As shown below, the three gauging events in this period included a high-river event in December (96^{th} percentile) that was performed during a flood event while the river was beginning to recede. The October and November gauging events (9^{th} and 16^{th} percentiles) are considered low-river events.

Date	Type	Average River Level During Gauging Event (NAVD88)	Percentile (Gauging Event River Level compared to Historical Dataset)
8/4/2022	Baseline (dry summer)	30.38	52%
8/17/2022	Baseline (dry summer)	29.80	37%
1/30/2023	Baseline (wet winter)	32.50	79%
10/30/2023	Post-Startup (Q4)	29.27	9%
11/28/2023	Post-Startup (Q4)	29.40	16%
12/20/2023	Post-Startup (Q4)	38.01	96%

2. Southern Alignment (Barrier Wall)

2a. Reduction in Groundwater Flux Downgradient of Barrier Wall

Table 6-1 provides groundwater elevation data for the Southern Alignment that is additionally delineated based on location relative to the barrier wall (upgradient or downgradient). Antecedent rainfall data for the previous three days are also included. Similar to the previous CFR Long-Term Remedy Performance Monitoring reports, Table 6-1 shows widespread drawdown in the Black Creek aquifer since the January 2023 baseline, with a median reduction in elevation of approximately 14.9 ft in wells within 200 ft upgradient of the barrier wall. This median reduction is similar to Q2 and Q3 (15.6 ft and 15.7 ft) and is attributed to relatively stabilized levels of Black Creek groundwater elevations now that the barrier wall is complete (as of June 11, 2023) and groundwater extraction is generally at steady-state conditions. The surficial aquifer data in Table 6-1 indicates mounding of between 2.7 and 5.5 ft in OW-34 and OW-35 that was similarly noted in previous reports, indicating generally stabilized water levels in the surficial aquifer upgradient of the barrier wall.

As shown in Figures 6-2A-D, the groundwater elevation data from Table 6-1 has been used to generate 11 gradient maps downgradient of the wall, with plots of the baseline data (August 17, 2022 and January 30, 2023 in greyscale[8]) compared to the October, November, and December gauging events (in green, blue, and red, respectively). Consistent with previous reports, the data

[8] Transects 1a/1b and 2 at the southern end of the alignment were added to Report #3 per NCDEQ request. These transects include wells that were not accessible to install until after the barrier wall was complete, therefore baseline data is not available in all cases. For OW-39 in particular which is used in both Transects 1a and 1b, the nearest available baseline data in EWs 63, 64, and 65, as well as PIW-10DR to the east, indicate the baseline groundwater elevation in this vicinity ranged from approximately 59-64 ft NAVD88, which is substantially greater than the values measured in Q4 2023 (around 40.3 ft NAVD88), indicating a significant reduction in gradient in this area.

for the three events demonstrate that the gradients in these downgradient sections have reduced (i.e., flattened) significantly:

- Transects 1a, 2, 5, 6a, 7, and 8 indicate a reverse, inward gradient (i.e., towards the remedy alignment, as opposed to towards the river)

- Transects 1b, 3, 4, and 9 indicate that the average Q4 gradient was approximately 78% less than baseline.

    - Transect 6b was added for this report after recent installation and surveying of OW-52 and OW-53. Baseline elevation data are not available at these locations due to construction conflicts during barrier wall installation.

- Despite the December gauging event being affected by the river flood event (i.e., generally increasing groundwater elevations in the downgradient area), the overall reduction in gradient is consistent with the drier October and November events. The long-term remedy appears to reduce groundwater flux beyond the barrier wall in both low and high river conditions.

2b) Hydraulic Separation of Barrier Wall

In CFR Long-Term Remedy Performance Monitoring Report #2, transducer data were used to illustrate the separation of the Black Creek aquifer by the barrier wall, as the April 2023 flood event (with a peak river elevation of approximately 45 ft NAVD88) caused a clear effect on groundwater elevations downgradient of where the barrier wall had been constructed, but no discernible effect on groundwater elevations upgradient of the partially constructed wall. Where this effect was demonstrated (Transects 4, 5, and 6) the upgradient transducers were redeployed to downgradient areas, to monitor the downgradient area over the long-term. Where this effect was not able to be demonstrated yet, the transducers were not moved.

In late December 2023, the Cape Fear River flooded for the first time since April 2023, but to a less significant extent, with a peak river elevation of approximately 39.5 ft NAVD88. Transect plots of the transducer data are shown in Figures 6-3A-C above the Cape Fear River hydrograph. Transects 1, 2, and 3 demonstrate the hydraulic separation of the barrier wall, with an increase in groundwater elevation in the downgradient wells (green colors) and no discernible effect on the upgradient wells (orange). Since this separation has now been demonstrated across all transects in the wall alignment, the upgradient transducers can be redeployed to downgradient areas.

3. Northern Alignment (Willis Creek)

3a. Flood Response in Willis Creek Extraction Wells

The river flooding event in December was also observed in the Willis Creek EWs, demonstrating Black Creek aquifer connectivity to surface water as noted from the April event. Overall, the response in the wells is not as significant since the magnitude of flooding was not as large in December. The Cape Fear River elevation (shown in thick blue line) is compared to the 15 Willis Creek EWs in Figures 6-4A-C (five wells per chart for clarity):

- In EWs that were pumping continuously prior to the flood event and therefore at a relatively stable water level (EW-01, 02, 05, and 14), the rising river elevation that began on December 17 caused a subsequent rise in water level in the wells.
- In EWs that were pumping intermittently prior to the flood, the rising water levels generally caused the pumps to be able to run continuously, or at a much higher frequency (EW-03, 04, 06, 07, and 08). At EW-03 for example, the oscillating water level trend prior to the flood is clearly stabilized during the surge response from the river flood. Ultimately, once the river stabilized, this well returned to intermittent operation in late December. The flow totals for the week prior to the flood and the week after the flood are shown in each figure to demonstrate the effect the rising water levels had on increasing yield from these wells.
- In EWs that were water-limited prior to the flood, the rising water levels in some cases allowed the pumps to activate in an intermittent mode (EW-10 and 12). In other cases, the flood caused a water level increase in the well, but not sufficient to activate the pump level switch (EW-09, 11, and 15).

3b. Hydraulic Containment of Willis Creek Black Creek Aquifer

Groundwater elevation differences relative to January 2023 are shown for the October, November, and December gauging events in Figures 6-5A-C. Consistent with previous reports, the largest reduction of groundwater elevation relative to January 2023 occurred in the midsection of the Northern Alignment between EW-05 and EW-06. In December 2023, this elevation difference was not as significant as October and November 2023 due to the flood event, but the pattern of drawdown is still similar, and nearly 7 ft of drawdown was still observed around EW-05 and EW-06.

Laterally along the alignment north of EW-05 and south of EW-06, elevation reductions between about 2 ft and 7 ft were observed from proximity of OW-14 (near the beginning of the barrier wall at EW-14) to OW-41 (in between EW-01 and EW-02). Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control.

Potentiometric contour maps are provided for gauging events from October through December 2023 in Figures 6-6A-C. The January 2023 contours are shown in each figure as magenta solid lines. In January 2023, groundwater generally flows from SMW-03B (near the facility) in a

northeastern direction towards the alignment. The January 2023 groundwater elevations around EW-01 and EW-02 are higher than the remainder of the alignment (on average approximately 45 ft NAVD88, as compared to approximately 30 ft NAVD88 from EW-03 to EW-15) which results in an eastward gradient towards EW-03, which is consistent with previous observations and reports for the Site (e.g., the Mass Loading Model reports). Groundwater gradients in Q4 2023 indicated a more prominent turn toward the east due to pumping, notably at EW-05 and EW-06, as discussed above.

Measurements of surface water in Willis Creek from staff gauges SG-01 through SG-05 are plotted for the first time since their installation, in Figures 6-6A-B, providing a comparison between groundwater and surface water elevations. Measurements from staff gauges in December 2023 were not available because staff gauges were damaged by the flood event. In October 2023, surface water elevations were within a few ft of groundwater elevations along Willis Creek at SG-01, SG-02, and SG-04. Surface water elevation was higher at SG-03 (33.26 ft) than elevations at nearby wells i.e., PIW-12 through PIW-14 (26.48 ft to 29.98 ft). Surface water elevation at SG-05 was lower than the nearby OW-57. However, this staff gauge is hundreds of ft away from the alignment where there is a clear hydraulic gradient of groundwater heading east toward the productive pumping areas between EW-03 and EW-08. Surface water elevations from the same staff gauges in November 2023 were within a few tenths of a ft relative to the October leading to the same observations.

6.2.2 PFAS Concentrations and Mass Discharge in Groundwater and Surface Water

Downgradient Groundwater PFAS Concentrations

Results for the MLM wells sampled in Q4 that are downgradient of the long-term remedy (13 total) are provided in Table 6-2 and shown in Figure 6-7A-C. Laboratory analytical reports for the downgradient groundwater samples are compiled in Appendix A. PFAS concentration trends are not evident at this early stage in the remedy operation process. Future reports will continue to evaluate potential long-term impacts to PFAS concentrations in these locations. However, when evaluated in conjunction with the reduced hydraulic gradients in the downgradient area, a reduction in PFAS mass discharge to the river is evident. This reduction in mass discharge is evaluated in the MLM quarterly report for this same reporting period, submitted concurrently with this report (Geosyntec, 2024a).

Willis Creek Surface Water – Concentration and Mass Discharge

Results for the Willis Creek surface water PFAS samples collected in Q4 2023 are shown in Table 6-3, and also presented in Figure 6-7A-C (along with the downgradient groundwater PFAS data). Laboratory analytical reports for Willis Creek are compiled in Appendix A. PFAS concentrations in Q4 2023 samples collected from WC-1, WC-2, and WC-3 are lower than results from prior quarterly sampling events. This decrease in PFAS concentrations may be partially

attributed to the relatively high-flow conditions in Willis Creek as an effect of antecedent rainfall conditions. Willis Creek PFAS trends since July 2022 are shown along with the Willis Creek hydrograph data from stilling well location WC-1 in Figure 6-8.

A mass discharge analysis of Willis Creek was performed to evaluate if declines have begun to be observed. The mass discharge at location WC-2 (upstream of remedy) was calculated using the measured flow rate and concentration, and compared to the mass discharge at location WC-1 (downstream of remedy). Results are shown in Table 6-4. As shown, prior to startup in March 2023, the mass discharge at upstream location WC-2 ranged from 0.18 to 0.32 mg/s and the mass discharge at downstream location WC-1 ranged from 0.45 to 0.52 mg/s. The delta between the two locations is shown, and on average, the pre-startup change in mass loading is approximately 0.23 mg/s (a range of 0.16 to 0.31 mg/s). After startup, the May and July 2023 events indicate a WC-2 to WC-1 delta of 0.11 mg/s and 0.06 mg/s, respectively, indicating an approximate 65% mass discharge decline post-startup[9]. This apparent reduction effect will continue to be evaluated in future reports.

Cape Fear River Surface Water – Concentration and Mass Discharge

The Cape Fear River transect sampling locations are shown in Figure 6-9. The results of the three indicator compounds (HFPO-DA, PFMOAA, and PMPA) are shown in Figures 6-10A-C. The transects for October, November and December 2023 were collected during periods of relatively low river flow with flows ranging between 691 to 877 cubic feet per second (cfs). In each of the three months PMPA was observed in the upstream transect, Transect 1. HFPO-DA and PFMOAA were observed in each month amongst the adjacent and downstream transects 2, 3 and 4. As described previously, inflows (e.g. offsite groundwater, Willis Creek, Lock and Dam seeps, the downstream offsite seeps, etc.) of Table 3+ PFAS into the Cape Fear River are not fully mixed at the transect locations and therefore concentration profiles along the transect are not necessarily homogeneous. In contrast, the mass discharge plots for the samples collected at Tar Heel (Figure 6-11) provide a mixed river location and take both flow and concentration into account. As shown, the mass discharges have decreased and remain lower than the mass discharges before Q3 2021, which corresponds to the time when the FTCs, 003 and groundwater extraction and barrier wall remedies and were installed and operating.

[9] Including the November 2023 event in this comparison would have yielded an even greater mass discharge decline (91%), however it was excluded as a precaution as there was a slightly higher river stage during the event which may have caused backflowing river water into WC-1, contributing to a lower concentration at WC-1 than WC-2.

7 SUMMARY

This reporting period (October 1 to December 31, 2023) included the operation of the interim Flow-Through Cells, Ex-Situ Capture Systems, GWEC, and GWTP remedy components. The table below summarizes the flow capture and the Table 3+ (17 compounds) PFAS removal for each remedy component.

Remedy Element	Report Period (Oct – Dec 2023)		Cumulative through Dec 2023	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)*	Flow Captured/ Treated (MG)	Mass Removed (lbs)*
Interim FTCs	4.9	1.5	418.3	548.1
004 Treatment Plant	45.6	50.4	197.2	252.4
Ex-Situ Capture Systems	*3.6*	*Included in 004*	*11.5*	*Included in 004*
GWEC	*44.2*	*Included in 004*	*188.9*	*Included in 004*
Total (Interim FTCs + 004)	**50.5**	**51.9**	**615.5**	**800.5**

**Cumulative values reflect the lifetime operation of each remedy component (e.g., since December 2020 for Interim FTC Seep C). Please note that some previous reports have reported the total mass removed of 20 Compounds. Mass removal in this report for all remedy components is reported as 17 Compounds.*
***Differences in flow totals are attributable to the measurement resolution of flow meters on the different remedy systems as well as storage time in the surge pond, break tank, and other components. The calculated total influent of the Ex-Situ Capture Systems and GWEC system above is 47.8 MG for Q4 2023. The total influent as measured by Veolia's flow meter was 46.4 MG. The total effluent as measured by Veolia's flow meter was 45.6 MG as shown.*

Flow into the interim FTCs during the reporting period was 90% less compared to the previous year, Q4 2022, and approximately 60% less compared to the previous quarter, Q3 2023. In Q4 2023, batch mode was utilized for the majority of the reporting period, particularly at FTCs A, B, and D: for the full months of October and November and for the first half of December, these FTCs were shut off, with little to no effect observed in the impoundment water level elevations. This indicates the long-term remedy components have eliminated the seep baseflow. Batch mode has been successful in maintaining high PFAS removal efficiency levels for the intermittent periods where rainfall raises the impoundment sufficient to require opening the systems; the interim FTCs removed on average approximately 99.3% of PFAS (Total Table 3+, 17 Compounds) during the reporting period.

A reduction in influent concentration into the FTCs has also been observed. At all four FTCs, the influent concentrations decreased between 62 to 81% (December 2023 as compared to historical

data through December 2022). This reduction in concentration is attributed to the barrier wall cutting off upgradient groundwater flow, and the overall water balance into the FTCs becoming predominately wet weather, rainfall derived flow. The combination of reduced flow component and reduced influent concentration has resulted in an asymptotic mass removal trend.

The 004 GWTP removed greater than 99% of PFAS[10] from the combined flow of the GWEC and Ex-Situ Capture Systems, as required by the Addendum to the Consent Order Paragraph 12 [COA] Paragraph 2.c.v.

Performance monitoring activities, including hydraulic head monitoring and surface water sampling, are also documented in this Report. Similar to the previous reporting period, performance monitoring indicates that the GWEC system has resulted in a reduction in gradient between the barrier wall and the Cape Fear River, thus reducing groundwater PFAS flux to the Cape Fear River. This reduction in PFAS mass discharge is evident in the diminished flows into the FTCs and is also documented in a report for the Mass Loading Model (MLM) program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024a).

The Cape Fear River flooded late in the reporting period (December 19). The prior flood event occurred in April 2023, while the barrier wall was still under construction. Hydraulic separation of the Black Creek aquifer by the barrier wall was observed in this flood event at all transects, as evidenced by monitoring wells downgradient of the wall (i.e., closer to the river) indicating a pressure response from the flooding, whereas wells upgradient of the installed barrier wall were not affected. This flood event was also evident in the Willis Creek extraction wells, demonstrating connectivity between the aquifer unit and surface water in this area.

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the alignment, particularly in the midsection of the Northern Alignment along Willis Creek, with nearly 8 feet of groundwater elevation reduction observed in monitoring wells. Drawdown along the alignment has also resulted in four EWs with insufficient water to pump, as compared to startup, demonstrating overlapping influence within the EWs from the collective pumping. The extensive drawdown is a line of evidence of hydraulic control. Additionally, a reduction in Willis Creek mass discharges has been observed. At sampling locations WC-2 (upstream) and WC-1 (downstream near the confluence with the Cape Fear River), the post-startup mass discharge to Willis Creek along this reach is estimated to be approximately 65% less than pre-startup. This apparent reduction effect will continue to be evaluated in future reports.

[10] As measured by indicator parameters hexafluoropropylene oxide dimer (HFPO-DA), perfluoromethoxypropyl carboxylic acid (PMPA), and perfluoro-2-methoxyaceticacid (PFMOAA)

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Tables

Table 1-1
Summary of Sampling and Monitoring Activities
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Remedy Component	Sampling and Monitoring Activities in Reporting Period (Oct-Dec)
In-Situ Seep Flow-Through Cells (FTCs)	▪ During prolonged no-flow conditions, the FTCs were generally operated in batch mode (closed to flow) and thus there is no process flow to sample. The FTCs were opened to flow as needed to manage accumulated water in the impoundments. When open to flow, 24-hour composite samples were collected for performance monitoring; water quality was monitored and sampled in the same 24-hour period as the performance monitoring interval; and weekly grab samples for breakthrough monitoring were collected. See Section 2.1.5 for discussion on batch mode operations. ▪ No wet weather samples were collected in this reporting period as either FTCs were closed for batch mode processing or flow through the cell was hindered due to river flooding.
Ex-Situ Seeps and Weeps Capture	▪ Flow rates and totalized flow every 15 minutes from each capture system
Groundwater Extraction	▪ Extraction Well Operational Data (flow, pressure, motor speed, and water level) every 15 minutes
004 Treatment Plant	▪ Weekly grab sampling of Effluent for PFAS indicator compounds HFPO-DA, PFMOAA, and PMPA ▪ Monthly grab sampling of Influent and Effluent for Table 3+ ▪ Quarterly grab sampling of Influent and Effluent for Table 3+ and EPA Method 537 MOD ▪ Various other parameters required per the NPDES permit and reported in the eDMR, but not reproduced here
Performance Evaluation	▪ Monthly water level gauging (October 30, November 28, and December 20, 2023) ▪ Monthly surface water PFAS sampling at four transects of the Cape Fear River (October 12, November 15, and December 6, 2023) ▪ Quarterly PFAS sampling of Willis Creek (WC) stations WC-1, 2, 3 (November 23, 2023) ▪ PFAS sampling of downgradient monitoring wells under the Mass Loading Model (MLM) quarterly sampling program (November 2 to 13, 2023)

Notes:
1 - Additional sampling details (e.g., Sample IDs, composite periods, etc.) are provided in subsequent tables.

PFAS - per- and polyfluoroalkyl substances
PFMOAA - perfluoro-2-methoxyacetic acid
EPA - Environmental Protection Agency
eDMR - electronic Discharge Monitoring Report
HFPO-DA - hexafluoropropylene oxide-dimer acid
PMPA - perfluoro-2-methoxypropionic acid
NPDES - National Pollutant Discharge Elimination System

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
						Arrival		Departure				
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2			
10/02/2023	888	No				Batch Mode		Batch Mode		X	N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/03/2023	889	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/04/2023	890	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/05/2023	891	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/07/2023	893	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/09/2023	895	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed.
10/11/2023	897	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/12/2023	898	No				Batch Mode		Batch Mode			N/A	22.5 inches of freeboard. Cell is closed, no flow observed. Rain gauge reading of 0.6 inches.
10/13/2023	899	No				Batch Mode		Batch Mode			N/A	22 inches of freeboard. Cell is closed, no flow observed.
10/16/2023	902	No				Batch Mode		Batch Mode		X	N/A	22 inches of freeboard. Cell is closed.
10/17/2023	903	No				Batch Mode		Batch Mode			N/A	22.5 inches of freeboard. Cell is closed.
10/18/2023	904	No				Batch Mode		Batch Mode			N/A	22.5 inches of freeboard. Cell is closed, no flow observed.
10/19/2023	905	No				Batch Mode		Batch Mode			N/A	22.5 inches of freeboard. Cell is closed, no flow observed.
10/20/2023	906	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/23/2023	909	No				Batch Mode		Batch Mode		X	N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/24/2023	910	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/25/2023	911	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/26/2023	912	No				Batch Mode		Batch Mode			N/A	23.5 inches of freeboard. Cell is closed, no flow observed.
10/27/2023	913	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
10/30/2023	916	No				Batch Mode		Batch Mode		X	N/A	23 inches of freeboard.
10/31/2023	917	-				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
11/01/2023	918	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/02/2023	919	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/03/2023	920	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/06/2023	923	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/07/2023	924	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/08/2023	925	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/09/2023	926	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/10/2023	927	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/13/2023	930	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/14/2023	931	No				Batch Mode		Batch Mode			Pumped down FB1 to prepare for GAC changeout.	24 inches of freeboard. Cell is closed, no flow observed.
11/15/2023	932	No				Changeout	Batch Mode	Batch Mode			GAC changeout at FB1.	24 inches of freeboard. Cell is closed, no flow observed.
11/16/2023	933	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/20/2023	937	No				Batch Mode		Batch Mode		X	Pumped water into FB1 to hydrate GAC.	24 inches of freeboard. Cell is closed, no flow observed.
11/21/2023	938	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/22/2023	939	No				Batch Mode		Batch Mode			N/A	23 inches of freeboard. Cell is closed, no flow observed.
11/27/2023	944	No				Batch Mode		Batch Mode		X	N/A	20 inches of freeboard. Cell is closed, no flow observed.
11/28/2023	945	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
11/29/2023	946	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
11/30/2023	947	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
						Arrival		Departure				
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2			
12/01/2023	948	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/04/2023	951	No				Batch Mode		Batch Mode		X	N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/05/2023	952	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/06/2023	953	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/07/2023	954	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/08/2023	955	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/11/2023	958	No				Batch Mode		Batch Mode		X	N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/12/2023	959	No				Batch Mode		Batch Mode			N/A	19 inches of freeboard. Cell is closed, no flow observed.
12/13/2023	960	No				Batch Mode		Batch Mode			N/A	19 inches of freeboard. Cell is closed, no flow observed.
12/14/2023	961	No				Batch Mode		Batch Mode			N/A	20 inches of freeboard. Cell is closed, no flow observed.
12/15/2023	962	No				Batch Mode		Series			Opened inlet and mid valves.	20 inches of freeboard.
12/18/2023	965	Yes	X	X		Series		Parallel		X	N/A	N/A
12/19/2023	966	No				Parallel		Series			N/A	15 inches of freeboard. No flow observed.
12/20/2023	967	--				Series		Series			N/A	19 inches of freeboard. No flow observed.
12/21/2023	968	No				Series		Series			N/A	24 inches of freeboard. Observed steady flow.
12/22/2023	969	No				Series		Series			Replaced fabric in FB1.	22 inches of freeboard. Observed steady flow.
12/26/2023	973	No		X		Series		Series		X	N/A	20 inches of freeboard. Observed steady flow.
12/27/2023	974	No	X			Series		Series			N/A	Rain gauge reading of 0.8 inches. 15 inches of freeboard. Observed steady flow.
12/28/2023	975	No				Series		Series			Skimmed and fluffed FB2.	13.5 inches of freeboard. Observed steady flow.
12/29/2023	976	No				Series		Series			N/A	19 inches of freeboard. Observed steady flow.

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the flow-through cell experienced no flow.
FB1 - Filter Bed 1
FB2 - Filter Bed 2
GAC - granular activated carbon
N/A - Not Applicable

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
10/02/2023	847	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/03/2023	848	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/04/2023	849	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/05/2023	850	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/07/2023	852	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/09/2023	854	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/11/2023	856	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/12/2023	857	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed. Rain gauge reading of 0.6 inches.
10/13/2023	858	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/16/2023	861	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/17/2023	862	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/18/2023	863	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/19/2023	864	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/20/2023	865	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/23/2023	868	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/24/2023	869	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/25/2023	870	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/26/2023	871	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/30/2023	875	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/31/2023	876	-				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/01/2023	877	No				Batch Mode		Batch Mode			Drained FB2 in preparation for changeout.	24 inches of freeboard. Cell is closed, no flow observed.
11/02/2023	878	No				Batch Mode	Changeout	Batch Mode			Removed carbon from FB2.	24 inches of freeboard. Cell is closed, no flow observed.
11/03/2023	879	No				Batch Mode		Batch Mode			Placed new carbon in FB2.	24 inches of freeboard. Cell is closed, no flow observed.
11/06/2023	882	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/07/2023	883	No				Batch Mode		Batch Mode			Pumped water into FB2 to hydrate GAC.	24 inches of freeboard. Cell is closed, no flow observed.
11/08/2023	884	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/09/2023	885	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/10/2023	886	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/13/2023	889	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/14/2023	890	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/15/2023	891	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/16/2023	892	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/20/2023	896	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/21/2023	897	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/22/2023	898	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/27/2023	903	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/28/2023	904	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/29/2023	905	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/30/2023	906	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
12/01/2023	907	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/04/2023	910	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/05/2023	911	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/06/2023	912	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/07/2023	913	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/08/2023	914	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/11/2023	917	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/13/2023	919	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/14/2023	920	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/15/2023	921	No				Batch Mode		Series			Opened inlet and mid valves.	24 inches of freeboard.
12/18/2023	924	No	X	X		Series		Series		X	N/A	Cell may have bypassed overnight. 4 inches of freeboard. Observed steady flow.
12/19/2023	925	No				Series		Series			N/A	17 inches of freeboard. No flow observed.
12/20/2023	926	No				Series		Series			N/A	20 inches of freeboard. No flow observed. Cell impacted by the height of the river.
12/21/2023	927	No				Series		Series			N/A	24 inches of freeboard. Observed steady flow.
12/22/2023	928	No				Series		Series			N/A	24 inches of freeboard. Observed steady flow.
12/26/2023	932	No		X		Series		Series		X	N/A	24 inches of freeboard. Observed steady flow.
12/27/2023	933	No	X			Series		Series			N/A	21 inches of freeboard. Observed steady flow. Rain gauge reading of 0.8 inches.
12/28/2023	934	No				Series		Series			N/A	23 inches of freeboard. Observed steady flow.
12/29/2023	935	No				Series		Series			N/A	22 inches of freeboard. No flow observed.

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the flow-through cell experienced no flow.
FB1 - Filter Bed 1
FB2 - Filter Bed 2
GAC - granular activated carbon
N/A - Not Applicable

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
						Arrival		Departure				
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2			
10/02/2023	1,021	No				Batch Mode		Batch Mode		X	N/A	14 inches of freeboard. Cell is closed, no flow observed.
10/03/2023	1,022	No				Batch Mode		Batch Mode			N/A	14 inches of freeboard. Cell is closed, no flow observed.
10/04/2023	1,023	No				Batch Mode	Changeout	Batch Mode			GAC changeout at FB2.	14 inches of freeboard. Cell is closed, no flow observed.
10/05/2023	1,024	No				Batch Mode		Batch Mode			N/A	13.5 inches of freeboard. Cell is closed, no flow observed.
10/07/2023	1,026	No				Batch Mode		Batch Mode			N/A	13 inches of freeboard. Cell is closed, no flow observed.
10/09/2023	1,028	No				Batch Mode		Batch Mode		X	N/A	13 inches of freeboard. Cell is closed, no flow observed.
10/11/2023	1,030	No				Batch Mode		Batch Mode			N/A	12 inches of freeboard. Cell is closed, no flow observed.
10/12/2023	1,031	No				Batch Mode		Batch Mode			N/A	9 inches of freeboard. Rain gauge reading of 0.6 inches. Cell is closed, no flow observed.
10/13/2023	1,032	No				Batch Mode		Series			Opened inlet and mid valves..	8.5 inches of freeboard.
10/14/2023	1,033	-		X		Series		Series			N/A	N/A
10/16/2023	1,035	No				Series		Batch Mode		X	Closed inlet and mid valves.	14 inches of freeboard.
10/17/2023	1,036	No				Batch Mode		Batch Mode			N/A	13 inches of freeboard. Cell is closed.
10/18/2023	1,037	No				Batch Mode		Batch Mode			N/A	12 inches of freeboard. Cell is closed, no flow observed.
10/19/2023	1,038	No				Batch Mode		Batch Mode			N/A	10.5 inches of freeboard. Cell is closed, no flow observed.
10/20/2023	1,039	No				Batch Mode		Series			Opened inlet and mid valves.	9 inches of freeboard. No flow observed.
10/21/2023	1,040	-		X		Series		Series			N/A	N/A
10/23/2023	1,042	No				Series		Batch Mode		X	Closed inlet and mid valves.	13 inches of freeboard.
10/24/2023	1,043	No				Batch Mode		Batch Mode			N/A	10.5 inches of freeboard. Cell is closed, no flow observed.
10/25/2023	1,044	No				Batch Mode		Batch Mode			N/A	8 inches of freeboard. Cell is closed, no flow observed.
10/26/2023	1,045	-				Batch Mode		Batch Mode			Pumped water into cell.	10.5 inches of freeboard.
10/27/2023	1,046	-				Batch Mode		Batch Mode			Pumped water into cell.	N/A
10/30/2023	1,049	No				Batch Mode		Batch Mode		X	Pumped water into cell.	6 inches of freeboard.
10/31/2023	1,050	-		X		Batch Mode		Batch Mode			Pumped water into cell.	N/A
11/01/2023	1,051	No				Batch Mode		Batch Mode			N/A	13 inches of freeboard. Cell is closed, no flow observed.
11/02/2023	1,052	No				Batch Mode		Batch Mode			N/A	14 inches of freeboard. Cell is closed, no flow observed.
11/03/2023	1,053	No				Batch Mode		Batch Mode			Pumped water into cell.	9 inches of freeboard. No flow observed.
11/06/2023	1,056	No				Batch Mode		Batch Mode		X	Pumped water into cell.	7 inches of freeboard. No flow observed.
11/07/2023	1,057	No				Batch Mode		Batch Mode			Pumped water into cell.	7.5 inches of freeboard. No flow observed.
11/08/2023	1,058	No		X		Batch Mode		Batch Mode			Pumped water into cell. Skimmed and fluffed FB1.	14 inches of freeboard. No flow observed.
11/09/2023	1,059	No				Batch Mode		Batch Mode			N/A	11 inches of freeboard. Cell is closed, no flow observed.
11/10/2023	1,060	No				Batch Mode		Batch Mode			Pumped water into cell.	8 inches of freeboard. No flow observed.
11/13/2023	1,063	No				Batch Mode		Batch Mode		X	Pumped water into cell.	10 inches of freeboard. No flow observed.
11/14/2023	1,064	No				Batch Mode		Batch Mode			Pumped water into cell.	13.5 inches of freeboard. No flow observed.
11/15/2023	1,065	No		X		Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard.
11/16/2023	1,066	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/17/2024	1,433	-				Batch Mode		Batch Mode			Pumped water into cell.	N/A
11/20/2023	1,070	No	X			Batch Mode		Batch Mode		X	Pumped water into cell. Skimmed and fluffed FB1.	8 inches of freeboard.
11/21/2023	1,071	No				Batch Mode		Batch Mode			Pumped water into cell.	13 inches of freeboard.
11/22/2023	1,072	Yes		X		Batch Mode		Parallel			Pumped water into cell. Opened inlet and mid valves.	10 inches of freeboard.
11/24/2024	1,440	No				Parallel		Batch Mode			Skimmed and fluffed FB1 and FB2. Closed inlet and mid valves.	N/A
11/27/2023	1,077	No	X			Batch Mode		Batch Mode		X	Pumped water into cell.	7.5 inches of freeboard.
11/28/2023	1,078	No				Batch Mode		Batch Mode			Pumped water into cell.	8 inches of freeboard. Cell is closed, no flow observed.
11/29/2023	1,079	No				Batch Mode		Batch Mode			Pumped water into cell. Backflushed.	10.5 inches of freeboard. Cell is closed, no flow observed.
11/30/2023	1,080	No		X		Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard. Cell is closed, no flow observed.

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
12/01/2023	1,081	No				Batch Mode		Series			Pumped water into cell. Opened inlet and mid valves.	24 inches of freeboard.
12/04/2023	1,084	No	X			Series		Batch Mode		X	Closed inlet and mid valves.	24 inches of freeboard.
12/05/2023	1,085	No				Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard. Cell is closed, no flow observed.
12/06/2023	1,086	No				Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard.
12/07/2023	1,087	No		X		Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard.
12/08/2023	1,088	No				Batch Mode		Series			Pumped water into cell. Backflushed FB1. Opened inlet and mid valves.	24 inches of freeboard.
12/11/2023	1,091	No	X			Series		Batch Mode		X	Closed cell.	24 inches of freeboard. No flow observed.
12/12/2023	1,092	--				Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard. No flow observed.
12/13/2023	1,093	No				Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard. No flow observed.
12/14/2023	1,094	No		X		Batch Mode		Batch Mode			Pumped water into cell.	24 inches of freeboard. No flow observed.
12/15/2023	1,095	No				Batch Mode		Series			Pumped water into cell. Opened inlet and mid valves.	24 inches of freeboard. No flow observed.
12/18/2023	1,098	Yes	X	X		Series		Parallel		X	N/A	Observed steady flow.
12/19/2023	1,099	No				Parallel		Series			N/A	13 inches of freeboard. No flow observed.
12/20/2023	1,100	No				Series		Series			N/A	8 inches of freeboard. No flow observed. Cell is impacted by the height of the river.
12/21/2023	1,101	No				Series		Series			N/A	5 inches of freeboard. Observed steady flow.
12/22/2023	1,102	No				Series		Series			Skimmed and fluffed FB1.	7.5 inches of freeboard. Observed steady flow.
12/26/2023	1,106	No		X		Series		Series		X	N/A	14 inches of freeboard. Observed steady flow.
12/27/2023	1,107	Yes	X			Series		Parallel			N/A	Rain gauge reading of 0.8 inches. 2 inches of freeboard by end of day. Observed steady flow.
12/28/2023	1,108	No				Parallel		Series			N/A	13.5 inches of freeboard. Observed steady flow.
12/29/2023	1,109	No				Series		Series			N/A	12 inches of freeboard. Observed steady flow.

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the flow-through cell experienced no flow.
FB1 - Filter Bed 1
FB2 - Filter Bed 2
GAC - granular activated carbon
N/A - Not Applicable

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
10/02/2023	831	No				Batch Mode		Batch Mode		X	N/A	23.5 inches of freeboard. Cell is closed, no flow observed.
10/03/2023	832	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/04/2023	833	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/05/2023	834	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/06/2023	835	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/09/2023	838	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/11/2023	840	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/12/2023	841	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed. Rain gauge reading of 0.6 inches.
10/13/2023	842	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/16/2023	845	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/17/2023	846	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/18/2023	847	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/19/2023	848	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/20/2023	849	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/23/2023	852	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/24/2023	853	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/25/2023	854	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/26/2023	855	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/30/2023	859	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
10/31/2023	860	-				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/01/2023	861	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/02/2023	862	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/03/2023	863	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/06/2023	866	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/07/2023	867	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/08/2023	868	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/09/2023	869	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/10/2023	870	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/13/2023	873	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/14/2023	874	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/15/2023	875	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/16/2023	876	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/20/2023	880	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/21/2023	881	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/22/2023	882	No				Batch Mode		Batch Mode			N/A	22 inches of freeboard. Cell is closed, no flow observed.
11/27/2023	887	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/28/2023	888	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/29/2023	889	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
11/30/2023	890	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
12/01/2023	891	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/04/2023	894	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/05/2023	895	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/06/2023	896	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/07/2023	897	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/08/2023	898	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/11/2023	901	No				Batch Mode		Batch Mode		X	N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/12/2023	902	--				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/13/2023	903	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/14/2023	904	No				Batch Mode		Batch Mode			N/A	24 inches of freeboard. Cell is closed, no flow observed.
12/15/2023	905	No				Batch Mode		Series			Opened inlet and mid valves.	24 inches of freeboard. No flow observed.
12/18/2023	908	No	X	X		Series		Series		X	N/A	19 inches of freeboard. Observed steady flow.
12/19/2023	909	No				Series		Series			N/A	22 inches of freeboard. No flow observed.
12/20/2023	910	No				Series		Series			N/A	20 inches of freeboard. No flow observed. Cell is impacted by height of the river.
12/21/2023	911	No				Series		Series			N/A	22 inches of freeboard. Observed steady flow.
12/22/2023	912	No				Series		Series			N/A	20 inches of freeboard. Observed steady flow.
12/26/2023	916	No		X		Series		Series		X	N/A	22 inches of freeboard. Observed steady flow.
12/27/2023	917	No	X			Series		Series			N/A	20 inches of freeboard. Observed steady flow. Rain gauge reading of 0.8 inches.
12/28/2023	918	No				Series		Series			N/A	21 inches of freeboard. Observed steady flow.
12/29/2023	919	No				Series		Series			N/A	21 inches of freeboard. Observed steady flow.

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the flow-through cell experienced no flow.
FB1 - Filter Bed 1
FB2 - Filter Bed 2
GAC - granular activated carbon
N/A - Not Applicable

Table 2-2
Cape Fear River Elevation and Local Precipitation Statistics
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Seep	# of Days of Operation on Record	Percent of Operation Over Lifetime of System[2]			
		River Above FTC Wall Elevation	River Above Bypass Spillway Elevation	River Above GAC Elevation	River Above Discharge Pipe Invert Elevation
C	1,111	1.5%	2.0%	3.6%	9.3%
A	978	0.6%	0.7%	1.5%	4.9%
B	937	0.5%	0.6%	1.1%	3.4%
D	921	0.6%	0.7%	1.7%	5.3%
Historical Annual Average (2007-2020) [3,4]		1.7%	2.2%	3.7%	9.6%

Precipitation (inches)	
Current Reporting Period (October - December 2023)	7.53
Current Reporting Period Historical Average (October - December 2004-2020) [5]	10.73
2023 Year-to-Date	42.63
Historical Year-to-Date Average (2004-2020) [5]	43.44
Historical Annual Average (2004-2020) [5]	43.44

Notes:

1 - River elevation and precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.
2 - Operational period for river flooding statistics includes the entire lifetime of the system for each seep.
3 - Seeps A and D are approximately 1 foot lower in elevation than Seeps B and C.
4 - For clarity of presentation, historical river flooding averages based on Seep C elevations only.
5 - The historical average was calculated using available data when the Huske rain gauge was operable.

Table 2-3A
FTC Sampling Summary - Seep A
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-24-121823 SEEP-A-EFFLUENT-24-121823	December 18, 2023	December 18, 2023
SEEP-A-INFLUENT-24-122623 SEEP-A-EFFLUENT-24-122623	December 26, 2023	December 26, 2023

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode in October, November, and part of December 2023. Performance samples were not collected while the FTC was closed. The FTC was opened on December 15 in anticipation of heavy rains. Performance montioring samples were collected on December 18 and 26, 2023 and were comprised of 24 aliquots.

3 - No wet weather samples were collected in October, November, or December 2023, as either cells were closed for batch mode processing or flow through the cell was hindered due to river flooding.

Table 2-3B
FTC Sampling Summary - Seep B
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-24-121823 SEEP-B-EFFLUENT-24-121823	December 18, 2023	December 18, 2023
SEEP-B-INFLUENT-24-122623 SEEP-B-EFFLUENT-24-122723	December 26 and 27, 2023	December 26 and 27, 2023

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode in October, November, and part of December 2023. Performance samples were not collected while the FTC was closed. The FTC was opened on December 15 in anticipation of heavy rains. Performance montioring samples were collected on December 18 and 26, 2023 and were comprised of 24 aliquots.

3 - The ISCO autosampler at Seep B effluent had a delay in initiating sample collection, causing a lag in the 24-hour compositing duration for the December 26 performance sample.

4 - No wet weather samples were collected in October, November, or December 2023, as either cells were closed for batch mode processing or flow through the cell was hindered due to river flooding.

Table 2-3C
FTC Sampling Summary - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-24-101423 SEEP-C-EFFLUENT-24-101423	October 14, 2023	October 14, 2023
SEEP-C-INFLUENT-24-102123 SEEP-C-EFFLUENT-24-102123	October 21, 2023	October 21, 2023
SEEP-C-INFLUENT-24-103123 SEEP-C-EFFLUENT-24-103123	October 31, 2023	October 31, 2023
SEEP-C-INFLUENT-24-110823 SEEP-C-EFFLUENT-24-110823	November 8, 2023	November 8, 2023
SEEP-C-INFLUENT-24-111523 SEEP-C-EFFLUENT-24-111523	November 15, 2023	November 15, 2023
SEEP-C-INFLUENT-24-112223 SEEP-C-EFFLUENT-24-112223	November 22, 2023	November 22, 2023
SEEP-C-INFLUENT-24-113023 SEEP-C-EFFLUENT-24-113023	November 30, 2023	November 30, 2023
SEEP-C-INFLUENT-24-120723 SEEP-C-EFFLUENT-24-120723	December 7, 2023	December 7, 2023
SEEP-C-INFLUENT-24-121423 SEEP-C-EFFLUENT-24-121423	December 14, 2023	December 14, 2023
SEEP-C-INFLUENT-24-121823 SEEP-C-EFFLUENT-24-121823	December 18 2023	December 18, 2023
SEEP-C-INFLUENT-24-122623 SEEP-C-EFFLUENT-24-122623	December 26, 2023	December 26, 2023

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode for the majority of October and November and opened for a short duration to treat accumulated water in the pond. During batch mode operation, water was occasionally pumped from the impoundment through a manifold equipped with a flowmeter into the FTC. During these occurrences of pumping, four 6-hour sub composite performance samples were collected at Seep C. At the end of the fourth sub composite sample, each sample was composited as a 24 aliquot performance sample.

3 - The FTC was opened on December 15 in anticipation of heavy rains. Performance monitoring samples were collected on December 18 and December 26, 2023 and were comprised of 24 aliquots.

4 - No wet weather samples were collected in October, November, or December 2023, as either cells were closed for batch mode processing or flow through the cell was hindered due to river flooding.

Table 2-3D
FTC Sampling Summary - Seep D
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-24-121823 SEEP-D-EFFLUENT-24-121823	December 18, 2023	December 18, 2023
SEEP-D-INFLUENT-24-122623 SEEP-D-EFFLUENT-24-122723	December 26 and 27, 2023	December 26 and 27, 2023

Notes:

1 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

2 - The FTC was operating under batch mode in October, November, and part of December 2023. Performance samples were not collected while the FTC was closed. The FTC was opened on December 15 in anticipation of heavy rains. Performance montioring samples were collected on December 18 and 26, 2023 and were comprised of 24 aliquots.

3 - The ISCO autosampler at Seep D effluent had a delay in initiating sample collection, causing a lag in the 24-hour compositing duration for the December 26 performance sample.

4 - No wet weather samples were collected in October, November, or December 2023, as either cells were closed for batch mode processing or flow through the cell was hindered due to river flooding.

Table 2-4A
FTC Performance Monitoring Analytical Results - Seep A
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-A-INFLUENT-24-121823** Sample Date: 18-Dec-23	**SEEP-A-EFFLUENT-24-121823** Sample Date: 18-Dec-23	**Percent Removal**	**SEEP-A-INFLUENT-24-122623** Sample Date: 26-Dec-23	**SEEP-A-EFFLUENT-24-122623** Sample Date: 26-Dec-23	**Percent Removal**
Hfpo Dimer Acid	**4,100**	**100**	97.6%	**7,200**	**98**	98.6%
PFMOAA	**13,000**	**290**	97.8%	**24,000**	**480**	98.0%
PFO2HxA	**9,900**	**220**	97.8%	**14,000**	**200**	98.6%
PFO3OA	**3,300**	**75**	97.7%	**3,700**	**51**	98.6%
PFO4DA	**1,700**	**39**	97.7%	**1,600**	**21**	98.7%
PFO5DA	**970**	**20**	97.9%	**640**	**12**	98.1%
PMPA	**3,100**	**75**	97.6%	**7,300**	**150**	97.9%
PEPA	**920**	**21**	97.7%	**2,400**	**36**	98.5%
PS Acid	**190**	**4.3**	97.7%	**22**	<2.0	>99.9%
Hydro-PS Acid	**230**	**5.3**	97.7%	**220**	**3.3**	98.5%
R-PSDA	**980 J**	**14 J**	98.6%	**540 J**	**7.5 J**	98.6%
Hydrolyzed PSDA	**2,100 J**	**36 J**	98.3%	**1,500 J**	**24 J**	98.4%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	**190**	**3.3**	98.3%	**280**	**4.1**	98.5%
EVE Acid	**88**	**2**	97.7%	<17	<2.0	>99.9%
Hydro-EVE Acid	**250**	**5.7**	97.7%	**220**	**3.3**	98.5%
R-EVE	**170 J**	**3.6 J**	97.9%	**260 J**	**3.4 J**	98.7%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**38,000**	**860**	**97.7%**	**62,000**	**1,100**	**98.2%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4B
FTC Performance Monitoring Analytical Results - Seep B
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-B-INFLUENT-24-121823** Sample Date: 18-Dec-23	**SEEP-B-EFFLUENT-24-121823** Sample Date: 18-Dec-23	**Percent Removal**	**SEEP-B-INFLUENT-24-122623** Sample Date: 26-Dec-23	**SEEP-B-EFFLUENT-24-122723** Sample Date: 27-Dec-23	**Percent Removal**
Hfpo Dimer Acid	**12,000**	**4.1**	>99.9%	**8,900**	**2.6**	>99.9%
PFMOAA	**8,400**	**87**	99.0%	**13,000**	**62**	99.5%
PFO2HxA	**6,300**	**13**	99.8%	**7,000**	**11**	99.8%
PFO3OA	**1,300**	<2.0	>99.9%	**1,500**	<2.0	>99.9%
PFO4DA	**420**	<2.0	>99.9%	**490**	<2.0	>99.9%
PFO5DA	**160**	<2.0	>99.9%	**160**	<2.0	>99.9%
PMPA	**10,000**	**24**	99.8%	**11,000**	**16**	99.9%
PEPA	**5,500**	<20	>99.9%	**4,800**	<20	>99.9%
PS Acid	**960**	<2.0	>99.9%	**540**	<2.0	>99.9%
Hydro-PS Acid	**410**	<2.0	>99.9%	**310**	<2.0	>99.9%
R-PSDA	**1,500 J**	<2.0	>99.9%	**940 J**	<2.0	>99.9%
Hydrolyzed PSDA	**7,800 J**	<2.0	>99.9%	**4,800 J**	<2.0	>99.9%
R-PSDCA	**22**	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	**840**	<2.0	>99.9%	**550**	<2.0	>99.9%
EVE Acid	**1,100**	<2.0	>99.9%	**590**	<2.0	>99.9%
Hydro-EVE Acid	**820**	<2.0	>99.9%	**620**	<2.0	-- [4]
R-EVE	**970 J**	<2.0	>99.9%	**610 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**48,000**	**130**	**99.7%**	**49,000**	**92**	**99.8%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-24-101423** Sample Date: 14-Oct-23	**SEEP-C-EFFLUENT-24-101423** Sample Date: 14-Oct-23	**Percent Removal**	**SEEP-C-INFLUENT-24-102123** Sample Date: 21-Oct-23	**SEEP-C-EFFLUENT-24-102123** Sample Date: 21-Oct-23	**Percent Removal**	**SEEP-C-INFLUENT-24-103123** Sample Date: 31-Oct-23	**SEEP-C-EFFLUENT-24-103123** Sample Date: 31-Oct-23	**Percent Removal**	**SEEP-C-INFLUENT-24-110823** Sample Date: 8-Nov-23	**SEEP-C-EFFLUENT-24-110823** Sample Date: 8-Nov-23	**Percent Removal**
Hfpo Dimer Acid	**3,500**	**3.7**	99.9%	**2,700**	<81	>99.9%	**3,200**	<2.0	>99.9%	**2,200**	<2.0	>99.9%
PFMOAA	**9,100**	**4.9**	>99.9%	**10,000**	<80	>99.9%	**10,000**	<2.0	>99.9%	**9,100**	<2.0	>99.9%
PFO2HxA	**3,900**	**4**	99.9%	**4,600**	<27	>99.9%	**4,400**	<2.0	>99.9%	**3,700**	<2.0	>99.9%
PFO3OA	**1,500**	<2.0	>99.9%	**1,400**	<39	>99.9%	**1,400**	<2.0	>99.9%	**1,100**	<2.0	>99.9%
PFO4DA	**460**	<2.0	>99.9%	**630**	<59	>99.9%	**570**	<2.0	>99.9%	**580**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	**120**	<78	>99.9%	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	**1,600**	<10	>99.9%	**1,600**	<620	>99.9%	**1,500**	<10	>99.9%	**1,300**	<10	>99.9%
PEPA	**590**	<20	>99.9%	**510**	<20	>99.9%	**510**	<20	>99.9%	**440**	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<20	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	**160**	<2.0	>99.9%	**180**	<6.1	>99.9%	**210**	<2.0	>99.9%	**180**	<2.0	>99.9%
R-PSDA	**220 J**	<2.0	>99.9%	**190 J**	<71	>99.9%	**190 J**	<2.0	>99.9%	**210 J**	<2.0	>99.9%
Hydrolyzed PSDA	**80 J**	<2.0	>99.9%	**80 J**	<38	>99.9%	**69 J**	<2.0	>99.9%	**130 J**	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<17	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	**120**	<2.0	>99.9%	**140**	<15	>99.9%	**120**	<2.0	>99.9%	**120**	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<17	<17	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	**160**	<2.0	>99.9%	**150**	<14	>99.9%	**150**	<2.0	>99.9%	**140**	<2.0	>99.9%
R-EVE	**140 J**	<2.0	>99.9%	**160 J**	<72	>99.9%	**140 J**	<2.0	>99.9%	**160 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<6.7	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<27	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<48	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**21,000**	**13**	**99.9%**	**22,000**	**ND**	**>99.9%**	**22,000**	**ND**	**>99.9%**	**19,000**	**ND**	**>99.9%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ND - non-detect
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-24-111523** Sample Date: 15-Nov-23	**SEEP-C-EFFLUENT-24-111523** Sample Date: 15-Nov-23	**Percent Removal**	**SEEP-C-INFLUENT-24-112223** Sample Date: 22-Nov-23	**SEEP-C-EFFLUENT-24-112223** Sample Date: 22-Nov-23	**Percent Removal**	**SEEP-C-INFLUENT-24-113023** Sample Date: 30-Nov-23	**SEEP-C-EFFLUENT-24-113023** Sample Date: 30-Nov-23	**Percent Removal**	**SEEP-C-INFLUENT-24-120723** Sample Date: 7-Dec-23	**SEEP-C-EFFLUENT-24-120723** Sample Date: 7-Dec-23	**Percent Removal**
Hfpo Dimer Acid	**2,100**	<2.0	>99.9%	**1,700**	**3.5**	99.8%	**1,200**	<2.0	>99.9%	**1,100 J**	<2.0	>99.9%
PFMOAA	**6,200**	<2.0	>99.9%	**6,100**	**5.9**	99.9%	**3,400**	<2.0	>99.9%	**6,000 J**	<2.0	>99.9%
PFO2HxA	**2,700**	<2.0	>99.9%	**2,600**	**5.8**	99.8%	**1,600**	<2.0	>99.9%	**2,700 J**	<2.0	>99.9%
PFO3OA	**850**	<2.0	>99.9%	**740**	<2.0	>99.9%	**580**	<2.0	>99.9%	**740 J**	<2.0	>99.9%
PFO4DA	**400 J**	<2.0	>99.9%	**400**	<2.0	>99.9%	**170**	<2.0	>99.9%	**280 J**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	**59**	<2.0	>99.9%	**31**	<2.0	>99.9%	<78 UJ	<2.0	>99.9%
PMPA	**1,000**	<10	>99.9%	**890**	<10	>99.9%	**550**	<10	>99.9%	**1,100 J**	<10	>99.9%
PEPA	**360**	<20	>99.9%	**300**	<20	>99.9%	**130**	<20	>99.9%	**260 J**	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<3.9	<2.0	>99.9%	<2.0	<2.0	>99.9%	<20 UJ	<2.0	>99.9%
Hydro-PS Acid	**110**	<2.0	>99.9%	**84**	<2.0	>99.9%	**46**	<2.0	>99.9%	**71 J**	<2.0	>99.9%
R-PSDA	**110 J**	<2.0	>99.9%	**130 J**	<2.0	>99.9%	**110 J**	<2.0	>99.9%	**170 J**	<2.0	>99.9%
Hydrolyzed PSDA	**46 J**	<2.0	>99.9%	**41 J**	<2.0	>99.9%	**30 J**	<2.0	>99.9%	**130 J**	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<3.5	<2.0	>99.9%	<2.0	<2.0	>99.9%	<17 UJ	<2.0	>99.9%
NVHOS, Acid Form	**98**	<2.0	>99.9%	**69**	<2.0	>99.9%	**36**	<2.0	>99.9%	**190 J**	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<3.5	<2.0	>99.9%	**3.6**	<2.0	>99.9%	<17 UJ	<2.0	>99.9%
Hydro-EVE Acid	**92**	<2.0	>99.9%	**91**	<2.0	>99.9%	**44**	<2.0	>99.9%	**94 J**	<2.0	>99.9%
R-EVE	**85 J**	<2.0	>99.9%	**77 J**	<2.0	>99.9%	**74 J**	<2.0	>99.9%	**140 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<2.0	<2.0	>99.9%	<2.0	<2.0	>99.9%	<6.7 UJ	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<5.3	<2.0	>99.9%	<2.0	<2.0	>99.9%	<27 UJ	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<9.6	<2.0	>99.9%	<2.4	<2.0	>99.9%	<48 UJ	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**14,000**	**ND**	**>99.9%**	**13,000**	**15**	**99.9%**	**7,800**	**ND**	**>99.9%**	**13,000**	**ND**	**>99.9%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ND - non-detect
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-24-121423** Sample Date: 14-Dec-23	**SEEP-C-EFFLUENT-24-121423** Sample Date: 14-Dec-23	**Percent Removal**	**SEEP-C-INFLUENT-24-121823** Sample Date: 18-Dec-23	**SEEP-C-EFFLUENT-24-121823** Sample Date: 18-Dec-23	**Percent Removal**	**SEEP-C-INFLUENT-24-122623** Sample Date: 26-Dec-23	**SEEP-C-EFFLUENT-24-122623** Sample Date: 26-Dec-23	**Percent Removal**
Hfpo Dimer Acid	**1,100 J**	<2.0	>99.9%	**3,000**	**10**	99.7%	**7,200**	<2.0	>99.9%
PFMOAA	**6,200 J**	<2.0	>99.9%	**8,600**	**20**	99.8%	**14,000**	**6.8**	>99.9%
PFO2HxA	**2,800 J**	<2.0	>99.9%	**4,300**	**10**	99.8%	**8,800**	**3.3**	>99.9%
PFO3OA	**750 J**	<2.0	>99.9%	**1,300**	**3**	99.8%	**3,000**	<2.0	>99.9%
PFO4DA	**310 J**	<2.0	>99.9%	**570**	<2.0	>99.9%	**1,200**	<2.0	>99.9%
PFO5DA	<78 UJ	<2.0	>99.9%	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	**860 J**	<10	>99.9%	**1,700**	<10	>99.9%	**3,600**	<10	>99.9%
PEPA	**220 J**	<20	>99.9%	**460**	<20	>99.9%	**1,200**	<20	>99.9%
PS Acid	<20 UJ	<2.0	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	**75 J**	<2.0	>99.9%	**110**	<2.0	>99.9%	**170**	<2.0	>99.9%
R-PSDA	**98 J**	<2.0	>99.9%	**140 J**	<2.0	>99.9%	**250 J**	<2.0	>99.9%
Hydrolyzed PSDA	<38 UJ	<2.0	>99.9%	<38	<2.0	>99.9%	<38	<2.0	>99.9%
R-PSDCA	<17 UJ	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	**65 J**	<2.0	>99.9%	**110**	<2.0	>99.9%	**240**	<2.0	>99.9%
EVE Acid	<17 UJ	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	**76 J**	<2.0	>99.9%	**270**	<2.0	>99.9%	**580**	<2.0	>99.9%
R-EVE	<72 UJ	<2.0	>99.9%	**110 J**	<2.0	>99.9%	**270 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7 UJ	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27 UJ	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48 UJ	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**12,000**	**ND**	**>99.9%**	**20,000**	**43**	**99.8%**	**40,000**	**10**	**>99.9%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ND - non-detect
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4D
FTC Performance Monitoring Analytical Results - Seep D
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3 + SOP (ng/ L)	**SEEP-D-INFLUENT-24-121823** Sample Date: 18-Dec-23	**SEEP-D-EFFLUENT-24-121823** Sample Date: 18-Dec-23	**Percent Removal**	**SEEP-D-INFLUENT-24-122623** Sample Date: 26-Dec-23	**SEEP-D-EFFLUENT-24-122723** Sample Date: 27-Dec-23	**Percent Removal**
Hfpo Dimer Acid	**5,000**	**21**	99.6%	**3,300**	**3.1**	99.9%
PFMOAA	**19,000**	**280**	98.5%	**19,000**	**89**	99.5%
PFO2HxA	**12,000**	**78**	99.4%	**6,900**	**10**	99.9%
PFO3OA	**2,100**	**6.5**	99.7%	**1,700**	<2.0	>99.9%
PFO4DA	**510**	<2.0	>99.9%	**560**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	**2,300**	**21**	99.1%	**2,300**	<10	>99.9%
PEPA	**910**	<20	>99.9%	**700**	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	**77**	<2.0	>99.9%	**80**	<2.0	>99.9%
R-PSDA	**360 J**	<2.0	>99.9%	**180 J**	<2.0	>99.9%
Hydrolyzed PSDA	**550 J**	<2.0	>99.9%	**260 J**	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	**380**	<2.0	>99.9%	**160**	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	**220**	<2.0	>99.9%	**200**	<2.0	>99.9%
R-EVE	**310 J**	<2.0	>99.9%	**160 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**42,000**	**410**	**99.0%**	**35,000**	**100**	**99.7%**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-5A
FTC Water Quality Data - Seep A
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
12/18/2023	7.27	8.43	1.16	6.98	6.28	-0.70	275.72	220.65	-55.07	15.64	13.54	-2.10	180.06	64.54	-115.52	120 J	36 J	-84
12/26/2023	7.57	6.89	-0.68	6.1	7.2	1.1	407.83	309.96	-97.87	18.73	16.85	-1.88	27.19	0	-27	70	<1.0	-70
Average	*7.42*	*7.66*	*0.24*	*6.5*	*6.7*	*0.2*	*341.78*	*265.31*	*-76.47*	*17.19*	*15.20*	*-1.99*	*103.63*	*32*	*-71*	*95*	*18*	*-77*
Median	*7.42*	*7.66*	*0.24*	*6.5*	*6.7*	*0.2*	*341.78*	*265.31*	*-76.47*	*17.19*	*15.20*	*-1.99*	*103.63*	*32*	*-71*	*95*	*18*	*-77*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
DO - dissolved oxygen
mg/L - milligrams per liter
SU - standard units
NTU - nephelometric turbidity units
µS/cm - microSiemens per centimeter
TSS - total suspended solids

Table 2-5B
FTC Water Quality Data - Seep B
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
12/18/2023	8.21	7.54	-0.67	6.68	7.72	1.04	151.82	140.99	-10.83	14.97	14.44	-0.53	99.25	82.81	-16.44	49 J	14 J	-35
12/26/2023	7.29	7.26	-0.03	7.42	8.38	0.96	242.77	217.99	-24.78	17.12	16.66	-0.46	75.5	23.38	-52.1	56	1.0 J	-55
Average	*7.75*	*7.40*	*-0.35*	*7.05*	*8.05*	*1.00*	*197.30*	*179.49*	*-17.81*	*16.05*	*15.55*	*-0.50*	*87.4*	*53.10*	*-34.3*	*53*	*7.5*	*-45*
Median	*7.75*	*7.40*	*-0.35*	*7.05*	*8.05*	*1.00*	*197.30*	*179.49*	*-17.81*	*16.05*	*15.55*	*-0.50*	*87.4*	*53.10*	*-34.3*	*53*	*7.5*	*-45*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
J - Analyte detected. Reported value may not be accurate or precise.
DO - dissolved oxygen
mg/L - milligrams per liter
SU - standard units
NTU - nephelometric turbidity units
µS/cm - microSiemens per centimeter
TSS - total suspended solids

Table 2-5C
FTC Water Quality Data - Seep C
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
10/14/2023	6.24	6.14	-0.10	7.7	8.04	0.34	395.37	347.29	-48.08	18.83	18.98	0.15	26.94	0	-27	3.2 J	<1.1	-3.2
10/21/2023	6.83	6.46	-0.37	7.55	8.05	0.50	389.35	362.78	-26.57	20.25	19.72	-0.53	26.51	1.01	-25.50	12	<1.1	-12
10/31/2023	7.52	7.5	0.0	7.85	8.2	0.4	318.23	234.49	-83.74	18.2	17.74	-0.5	9.25	5.3	-4.0	2.4 J	<1.1	-2.4
11/8/2023	2.67	3.17	0.50	7.39	8.13	0.74	125.29	89.72	-35.57	18.6	17.66	-0.9	12.57	13.25	0.68	4.0	3.2 J	-0.8
11/16/2023	3.56	4.6	1.0	7.7	8.59	0.9	1,334.97	1,101.26	-233.71	18.62	17.74	-0.88	11.24	5.59	-5.65	5.6	1.6 J	-4.0
11/27/2023	3.31	6.92	3.61	7.56	8.18	0.62	426.85	368.17	-58.68	16.28	15.39	-0.89	70.17	54.02	-16.15	17	6.8	-10
12/1/2023	7.04	6.8	-0.24	8.13	7.77	-0.36	309.12	292.33	-16.79	11.01	8.84	-2.17	32.87	90.11	57.24	11	13	2
12/7/2023	7.26	6.28	-0.98	7.12	8.1	0.98	390	280	-110	16.08	15.64	-0.44	35	7.87	-27	5.2	<1.1	-5.2
12/14/2023	9.33	9.59	0.26	7.98	8.32	0.34	353.48	249.64	-103.84	9.42	8.95	-0.47	29.38	15.97	-13.41	<1.1	2.8 J	2.8
12/18/2023	8.31	8.1	-0.2	7.42	7.58	0.16	278.03	168.18	-109.85	15.44	14.86	-0.58	105.97	49.89	-56.08	36 J	9.5 J	-26.5
12/26/2023	7.37	7.51	0.14	7.95	7.66	-0.29	219.92	214.34	-5.58	17.31	17.1	-0.2	224.01	75.03	-148.98	62	24	-38
Average	*6.31*	*6.6*	*0.3*	*7.7*	*8.1*	*0.4*	*413*	*337*	*-76*	*16.4*	*15.7*	*-0.7*	*53*	*29*	*-24*	*14*	*6*	*-9*
Median	*7.04*	*6.8*	*-0.2*	*7.7*	*8.1*	*0.4*	*353*	*280*	*-74*	*17.3*	*17.1*	*-0.2*	*29*	*13*	*-16*	*6*	*3*	*-3*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
3 - Specific conductance recorded on 12/7/24 was inadvertenly recorded in mS/cm and has been converted to µS/cm.
J - Analyte detected. Reported value may not be accurate or precise.
DO - dissolved oxygen
mg/L - milligrams per liter
SU - standard units
NTU - nephelometric turbidity units
mS/cm - milliSiemens per centimeter
µS/cm - microSiemens per centimeter
TSS - total suspended solids

Table 2-5D
FTC Water Quality Data - Seep D
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS[1] (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference[2]
12/18/2023	8.34	6.61	-1.73	7.62	7.58	-0.04	250.85	225.82	-25.03	14.83	13.63	-1.20	74.79	0	-75	39 J	<1.0 UJ	-39
12/26/2023	7.36	7.51	0.15	7.53	7.52	-0.01	231.59	268.37	36.78	16.91	15.47	-1.44	49.16	3.91	-45.25	1.7 J	16	14
Average	*7.85*	*7.06*	*-0.79*	*7.58*	*7.55*	*-0.03*	*241.22*	*247.10*	*5.88*	*15.87*	*14.55*	*-1.32*	*61.98*	*2*	*-60*	*20*	*8*	*-12*
Median	*7.85*	*7.06*	*-0.79*	*7.58*	*7.55*	*-0.03*	*241.22*	*247.10*	*5.88*	*15.87*	*14.55*	*-1.32*	*61.98*	*2*	*-60*	*20*	*8*	*-12*

Notes:

1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
2 - Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
DO - dissolved oxygen
mg/L - milligrams per liter
SU - standard units
NTU - nephelometric turbidity units
µS/cm - microSiemens per centimeter
TSS - total suspended solids

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
Prior Total	4,107,032	886,356	2,214,305	387,183	305,590	7,900,466	8,169,553	
10/1/2023	4,107,032	886,356	2,214,308	388,539	347,116	7,943,351	29,805	8,199,358
10/2/2023	4,107,032	886,356	2,214,373	388,540	352,836	7,949,137	43	8,199,402
10/3/2023	4,143,110	886,356	2,214,383	391,183	352,884	7,987,916	1,129	8,200,531
10/4/2023	4,143,110	886,356	2,214,387	392,243	352,904	7,989,000	28,391	8,228,921
10/5/2023	4,143,110	886,356	2,214,390	393,272	352,924	7,990,052	2	8,228,923
10/6/2023	4,178,288	886,356	2,214,396	394,317	352,951	8,026,308	21,072	8,249,995
10/7/2023	4,178,288	886,356	2,214,399	395,394	352,970	8,027,407	6,693	8,256,689
10/8/2023	4,214,124	886,356	2,214,405	396,428	352,996	8,064,309	0	8,256,689
10/9/2023	4,214,124	886,356	2,214,408	397,455	353,015	8,065,358	25,831	8,282,520
10/10/2023	4,214,124	886,356	2,214,411	398,483	353,035	8,066,409	5	8,282,525
10/11/2023	4,214,124	886,356	2,214,413	399,510	353,054	8,067,457	12,211	8,294,736
10/12/2023	4,249,555	886,356	2,268,743	402,623	353,115	8,160,392	80,957	8,375,693
10/13/2023	4,285,237	886,356	2,268,743	403,809	353,136	8,197,281	62,618	8,438,310
10/14/2023	4,285,237	886,356	2,268,744	406,045	353,167	8,199,549	5,270	8,443,580
10/15/2023	4,320,273	886,356	2,268,745	407,126	353,870	8,236,370	0	8,443,580
10/16/2023	4,320,273	886,356	2,322,083	408,194	353,920	8,290,826	55,175	8,498,755
10/17/2023	4,320,332	886,356	2,322,084	409,230	353,970	8,291,972	24,266	8,523,021
10/18/2023	4,355,671	921,216	2,322,084	409,230	353,972	8,362,173	18,207	8,541,228
10/19/2023	4,355,671	921,216	2,322,084	410,424	353,973	8,363,368	41,962	8,583,189
10/20/2023	4,355,671	921,216	2,322,084	410,424	353,998	8,363,393	1,196	8,584,385
10/21/2023	4,355,671	921,216	2,322,084	410,424	354,023	8,363,418	0	8,584,385
10/22/2023	4,355,671	921,216	2,322,084	410,424	354,023	8,363,418	0	8,584,385
10/23/2023	4,355,671	921,216	2,322,084	410,424	354,023	8,363,418	0	8,584,385
10/24/2023	4,355,759	921,216	2,322,085	416,558	354,025	8,369,643	1	8,584,386
10/25/2023	4,456,403	931,477	2,361,227	417,562	354,038	8,520,707	7,750	8,592,136
10/26/2023	4,469,316	931,477	2,371,197	418,220	354,042	8,544,252	67,589	8,659,725
10/27/2023	4,482,602	931,477	2,374,624	419,504	354,047	8,562,254	75,576	8,735,301
10/28/2023	4,496,741	933,602	2,378,497	420,458	354,075	8,583,373	25,092	8,760,394
10/29/2023	4,509,922	934,761	2,381,382	421,548	354,079	8,601,692	13,726	8,774,119
10/30/2023	4,523,917	935,678	2,385,779	422,621	354,083	8,622,078	11,592	8,785,711
10/31/2023	4,535,952	936,899	2,388,421	423,694	354,086	8,639,052	13,365	8,799,076
October Total	428,920	50,543	174,116	36,511	48,496	738,586	629,523	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
11/1/2023	4,550,400	937,512	2,392,399	424,724	354,086	8,659,121	8,960	8,808,037
11/2/2023	4,562,550	938,248	2,394,899	424,724	354,092	8,674,513	11,013	8,819,049
11/3/2023	4,576,888	939,156	2,398,681	426,692	354,095	8,695,512	8,409	8,827,459
11/4/2023	4,589,338	940,211	2,401,113	427,595	354,097	8,712,354	12,058	8,839,517
11/5/2023	4,604,011	940,931	2,404,686	429,672	354,101	8,733,401	9,929	8,849,446
11/6/2023	4,616,777	942,017	2,407,397	429,672	354,103	8,749,966	12,999	8,862,445
11/7/2023	4,631,386	942,966	2,411,278	430,721	354,105	8,770,456	9,830	8,872,275
11/8/2023	4,644,363	944,000	2,413,858	431,764	354,107	8,788,092	12,488	8,884,763
11/9/2023	4,659,255	944,858	2,417,655	432,611	354,110	8,808,489	10,917	8,895,680
11/10/2023	4,671,874	946,178	2,420,089	433,654	354,112	8,825,907	13,350	8,909,031
11/11/2023	4,682,915	947,278	2,424,009	434,684	354,114	8,843,000	9,703	8,918,733
11/12/2023	4,700,934	950,784	2,431,984	435,614	354,139	8,873,455	25,409	8,944,142
11/13/2023	4,712,780	952,102	2,441,882	437,501	354,142	8,898,407	30,332	8,974,475
11/14/2023	4,727,374	953,204	2,445,460	438,595	354,144	8,918,777	21,300	8,995,774
11/15/2023	4,740,826	954,441	2,450,254	439,448	354,146	8,939,115	35,642	9,031,416
11/16/2023	4,755,150	955,925	2,453,267	440,507	354,148	8,958,997	24,913	9,056,329
11/17/2023	4,768,181	957,543	2,458,181	441,562	354,150	8,979,617	17,634	9,073,964
11/18/2023	4,783,118	958,600	2,461,260	442,275	354,152	8,999,405	15,939	9,089,903
11/19/2023	4,795,515	959,966	2,465,752	443,310	354,154	9,018,697	12,829	9,102,732
11/20/2023	4,808,754	960,786	2,468,568	444,332	354,155	9,036,595	10,740	9,113,471
11/21/2023	4,821,925	964,944	2,472,381	445,152	354,181	9,058,583	10,146	9,123,618
11/22/2023	4,967,979	986,946	2,543,415	452,320	360,267	9,310,927	78,331	9,201,949
11/23/2023	4,985,956	988,899	2,593,872	457,934	360,799	9,387,460	129,120	9,331,069
11/24/2023	5,000,366	990,553	2,600,534	459,530	360,991	9,411,974	128,901	9,459,970
11/25/2023	5,013,061	991,869	2,611,150	460,998	361,080	9,438,158	127,808	9,587,778
11/26/2023	5,027,219	993,304	2,615,669	462,302	361,167	9,459,661	82,535	9,670,313
11/27/2023	5,040,394	995,127	2,625,106	463,659	361,251	9,485,537	27,077	9,697,390
11/28/2023	5,055,135	996,505	2,632,595	465,000	361,334	9,510,569	21,407	9,718,796
11/29/2023	5,066,899	997,704	2,638,144	466,261	361,397	9,530,405	19,080	9,737,877
11/30/2023	5,081,867	998,859	2,642,802	467,346	361,449	9,552,323	12,944	9,750,821
November Total	545,915	61,960	254,381	43,652	7,363	913,271	951,745	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Flow Totalizer Data from Seeps and Weeps Capture Systems Operated by GEOServices (gallons)						Surge Pond Flow to 004 GWTP Operated by Veolia	
	Seep A Totalizer (Cumulative)	Seep A Tributary Totalizer (Cumulative)	Seep B Totalizer (Cumulative)	Willis Creek Tributary Totalizer (Cumulative)	Weep 3 Totalizer (Cumulative)	Cumulative Volume Calculated from Capture System Totalizers	Daily Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)	Cumulative Volume Conveyed from Surge Pond to 004 Treatment Plant (gallons)
12/1/2023	5,093,969	1,000,245	2,649,314	468,590	361,493	9,573,611	12,944	9,763,766
12/2/2023	5,108,238	1,001,462	2,653,941	469,837	361,505	9,594,983	17,839	9,781,605
12/3/2023	5,121,561	1,002,968	2,661,359	471,099	361,543	9,618,530	20,826	9,802,430
12/4/2023	5,136,130	1,004,203	2,666,687	472,345	361,574	9,640,939	19,345	9,821,776
12/5/2023	5,148,843	1,005,461	2,672,818	473,603	361,586	9,662,311	17,128	9,838,904
12/6/2023	5,161,294	1,006,543	2,677,909	474,594	361,618	9,681,958	14,605	9,853,509
12/7/2023	5,176,109	1,007,404	2,681,571	475,844	361,624	9,702,552	11,416	9,864,925
12/8/2023	5,188,153	1,008,722	2,687,194	476,311	361,655	9,722,035	0	9,864,925
12/9/2023	5,201,929	1,009,574	2,691,828	477,288	361,662	9,742,281	0	9,864,925
12/10/2023	5,215,188	1,010,927	2,696,608	478,233	361,696	9,762,652	0	9,864,925
12/11/2023	5,241,610	1,016,857	2,717,298	480,790	361,740	9,818,295	0	9,864,925
12/12/2023	5,253,194	1,017,940	2,728,498	481,797	361,787	9,843,216	0	9,864,925
12/13/2023	5,266,676	1,020,113	2,734,009	482,760	361,839	9,865,397	0	9,864,925
12/14/2023	5,278,771	1,021,554	2,740,718	483,612	361,896	9,886,551	0	9,864,925
12/15/2023	5,293,828	1,022,761	2,745,141	484,550	361,958	9,908,238	0	9,864,925
12/16/2023	5,305,637	1,024,258	2,750,983	485,487	362,018	9,928,383	142,506	10,007,432
12/17/2023	5,460,301	1,077,642	2,789,405	486,434	387,042	10,200,824	134,381	10,141,812
12/18/2023	5,614,965	1,131,027	2,976,629	494,992	390,631	10,608,244	155,781	10,297,593
12/19/2023	5,681,405	1,167,968	3,049,554	499,508	392,180	10,790,615	156,312	10,453,905
12/20/2023	5,697,157	1,173,860	3,076,378	501,833	393,043	10,842,271	156,548	10,610,454
12/21/2023	5,714,475	1,178,391	3,102,648	504,143	393,782	10,893,439	156,108	10,766,562
12/22/2023	5,729,316	1,182,383	3,122,683	506,201	394,365	10,934,948	156,154	10,922,716
12/23/2023	5,745,646	1,186,022	3,141,962	508,177	394,911	10,976,718	155,827	11,078,542
12/24/2023	5,758,801	1,189,029	3,157,333	509,918	395,372	11,010,453	155,629	11,234,171
12/25/2023	5,774,176	1,192,333	3,173,744	511,420	395,796	11,047,469	135,129	11,369,300
12/26/2023	5,787,839	1,195,385	3,186,763	513,112	397,289	11,080,388	129,079	11,498,379
12/27/2023	5,897,202	1,213,665	3,274,575	519,807	401,797	11,307,046	130,145	11,628,524
12/28/2023	5,918,562	1,218,012	3,305,299	522,760	402,607	11,367,240	132,755	11,761,279
12/29/2023	5,934,327	1,221,930	3,327,830	524,984	403,204	11,412,275	134,348	11,895,626
12/30/2023	5,949,668	1,224,885	3,344,544	526,906	403,681	11,449,684	98,410	11,994,036
12/31/2023	5,964,450	1,228,013	3,361,104	528,576	404,083	11,486,226	35,447	12,029,484
December Total	882,583	229,154	718,302	61,230	42,634	1,933,903	2,278,663	
Reporting Period Total	1,857,418	341,657	1,146,799	141,393	98,493	3,585,760	3,859,931	

Notes:
1 - Flow data from the Surge Pond through the 004 ground water treatment plant (GWTP) is collected and managed by Veolia.
2 - The daily volume conveyed from surge pond to 004 Treatment Plant is recorded on a 24-hour basis, ending daily at 1 pm. For simplicity, the volume totaled through 1 pm is shown as the daily total in this table.

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
BCA-01	Black Creek Aquifer	399779.96	2050662.48	146.25	2	101	91-101
BCA-02	Black Creek Aquifer	396242.02	2051062.07	148.37	2	102	92-102
EW-01	Black Creek Aquifer	401683.69	2049951.04	92.04	6	85	60-80
EW-02	Black Creek Aquifer	401683.61	2050289.26	87.97	6	65	40-60
EW-03	Black Creek Aquifer	401723.50	2050594.78	84.67	6	72	57-67
EW-04	Black Creek Aquifer	401714.92	2050848.03	80.00	6	65	50-60
EW-05	Black Creek Aquifer	401654.63	2051059.46	82.93	6	78	63-73
EW-06	Black Creek Aquifer	401489.44	2051117.72	83.58	6	75	50-70
EW-07	Black Creek Aquifer	401350.61	2051160.78	86.45	6	68	53-63
EW-08	Black Creek Aquifer	401184.55	2051164.30	89.05	6	73	58-68
EW-09	Black Creek Aquifer	401008.87	2051129.57	81.08	6	65	40-60
EW-10	Black Creek Aquifer	400870.94	2051128.67	74.12	6	55	30-50
EW-11	Black Creek Aquifer	400683.82	2051280.71	93.12	6	75	60-70
EW-12	Black Creek Aquifer	400591.86	2051415.21	92.10	6	75	50-70
EW-13	Black Creek Aquifer	400527.75	2051513.14	87.95	6	79	54-74
EW-14	Black Creek Aquifer	400375.11	2051570.80	82.23	6	62	47-57
EW-15	Black Creek Aquifer	400223.63	2051556.86	77.23	6	53	38-48
EW-16	Black Creek Aquifer	400042.92	2051489.09	88.11	6	65	50-60
EW-17	Black Creek Aquifer	399975.22	2051517.08	87.84	6	65	40-60
EW-18	Surficial Aquifer	399828.16	2051586.65	74.56	6	30	15-25
EW-19	Black Creek Aquifer	399819.25	2051590.67	74.65	6	51	36-46
EW-20	Surficial Aquifer	399696.08	2051667.78	78.48	6	30	15-25
EW-21	Black Creek Aquifer	399549.59	2051687.61	84.66	6	62	47-57
EW-22	Surficial Aquifer	399298.40	2051754.69	82.54	6	37	22-32
EW-23	Black Creek Aquifer	399289.65	2051759.07	83.05	6	70	45-65
EW-24	Surficial Aquifer	399105.96	2051845.20	83.63	6	31	16-26
EW-25	Black Creek Aquifer	399097.14	2051848.27	83.44	6	75	60-70
EW-26S	Surficial Aquifer	398992.13	2051869.73	83.50	6	30	15-25
EW-27	Surficial Aquifer	398883.14	2051881.19	85.81	6	33	18-28
EW-28	Black Creek Aquifer	398873.71	2051882.01	85.83	6	55	40-50
EW-29	Surficial Aquifer	398743.82	2051874.08	80.62	6	34	19-29
EW-30	Black Creek Aquifer	398733.15	2051872.90	82.01	6	80	55-75
EW-31	Surficial Aquifer	398619.06	2051860.80	80.84	6	33	18-28
EW-32	Black Creek Aquifer	398606.76	2051858.39	81.55	6	53	38-48
EW-33	Surficial Aquifer	398413.39	2051843.45	78.32	6	25	10-20
EW-34	Black Creek Aquifer	398403.44	2051844.29	77.11	6	75	40-70
EW-35	Surficial Aquifer	398342.37	2051862.99	74.44	6	18	8-13
EW-36	Black Creek Aquifer	398333.72	2051867.55	73.98	6	73	38-48, 58-68
EW-37	Surficial Aquifer	398234.57	2051923.02	74.03	6	54	39-49
EW-38	Black Creek Aquifer	398229.45	2051926.24	74.19	6	80	55-75
EW-39	Surficial Aquifer	398113.89	2051992.69	77.19	6	21	6-16
EW-40	Black Creek Aquifer	398104.84	2051997.57	77.00	6	85	60-80

Table 4-1
Extraction and Observation Well Construction Details
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Chemours Fayetteville Works
Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
EW-41	Black Creek Aquifer	397944.33	2052019.70	84.99	6	75	50-70
EW-42	Black Creek Aquifer	397792.20	2052011.87	81.93	6	74	49-69
EW-43	Black Creek Aquifer	397657.42	2052005.16	81.80	6	76	51-71
EW-44	Surficial Aquifer	397520.77	2051997.72	75.22	6	18	8-13
EW-45	Black Creek Aquifer	397511.10	2051997.30	75.33	6	71	46-66
EW-46	Surficial Aquifer	397374.10	2051993.17	74.94	6	32	17-27
EW-47	Black Creek Aquifer	397364.92	2051992.87	75.02	6	68	43-63
EW-48	Surficial Aquifer	397290.64	2052028.52	79.87	6	31	16-26
EW-49	Black Creek Aquifer	397282.27	2052032.79	79.65	6	79	54-74
EW-50	Surficial Aquifer	397105.59	2052107.53	77.80	6	30	15-25
EW-51	Black Creek Aquifer	397096.10	2052109.76	78.36	6	70	45-65
EW-52	Black Creek Aquifer	396902.85	2052151.05	75.84	6	70	45-65
EW-53	Black Creek Aquifer	396713.03	2052190.03	76.33	6	67	42-62
EW-54	Black Creek Aquifer	396559.35	2052223.00	75.31	6	65	40-60
EW-55	Black Creek Aquifer	396358.87	2052225.92	86.59	6	80	55-75
EW-56	Black Creek Aquifer	396173.96	2052249.38	79.69	6	71	46-66
EW-57	Black Creek Aquifer	395992.47	2052247.52	84.92	6	70	45-65
EW-58	Black Creek Aquifer	395810.15	2052290.53	74.69	6	65	40-60
EW-60	Black Creek Aquifer	395425.21	2052313.29	77.65	6	68	43-63
EW-61	Black Creek Aquifer	395283.80	2052271.16	78.46	6	75	50-70
EW-62	Black Creek Aquifer	395170.54	2052195.07	83.12	6	65	40-60
EW-63	Black Creek Aquifer	395055.17	2052033.12	122.53	6	103	88-98
EW-64	Black Creek Aquifer	394924.16	2051976.78	121.67	6	85	60-80
EW-65	Black Creek Aquifer	394819.93	2051918.54	116.36	6	75	50-70
EW-66	Black Creek Aquifer	394823.51	2051780.19	115.77	6	101	76-96
EW-67	Black Creek Aquifer	394780.57	2051655.69	103.22	6	98	73-93
EW-68	Black Creek Aquifer	394728.65	2051563.34	96.82	6	92	67-87
EW-69	Black Creek Aquifer	394649.04	2051478.42	87.55	6	85	60-80
LTW-02	Black Creek Aquifer	398847.57	2052355.48	51.39	2	38	28-38
LTW-03	Floodplain Deposits	398114.45	2052558.35	51.75	2	30	15-30
LTW-05	Black Creek Aquifer	396430.31	2052740.40	50.94	2	44	29-44
NAF-11B	Surficial Aquifer	398911.13	2050995.88	140.74	2	44	33.5-43.5
OW-02	Black Creek Aquifer	398572.28	2051801.62	84.37	2	73	63-73
OW-03	Black Creek Aquifer	398601.08	2051812.32	84.64	2	73	63-73
OW-04	Black Creek Aquifer	395049.16	2052210.81	80.85	2	57	47-57
OW-04R	Black Creek Aquifer	394990.53	2052236.29	80.03	2	61	51-61
OW-07	Black Creek Aquifer	397180.06	2052052.69	81.45	2	67	57-67
OW-08	Black Creek Aquifer	397202.33	2052041.98	82.30	2	67	57-67
OW-09	Black Creek Aquifer	395075.14	2052211.07	79.78	2	64	54-64
OW-09R	Black Creek Aquifer	395001.93	2052252.38	78.53	2	65	55-65
OW-11	Black Creek Aquifer	401683.39	2049913.61	94.92	1	84	74-84
OW-12	Black Creek Aquifer	401731.33	2050721.09	83.65	1	60	50-60
OW-13	Black Creek Aquifer	400769.33	2051210.62	85.12	1	60	50-60
OW-14	Black Creek Aquifer	400311.42	2051608.03	80.67	1	56	46-56
OW-15	Black Creek Aquifer	399719.91	2051608.62	87.86	1	44	34-44

Table 4-1
Extraction and Observation Well Construction Details
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Fayetteville, North Carolina

WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
OW-16	Black Creek Aquifer	399828.66	2051993.25	52.94	1	25	15-25
OW-17	Black Creek Aquifer	399433.03	2051661.47	89.67	1	68	58-68
OW-18	Black Creek Aquifer	398846.69	2051836.19	90.88	1	55	45-55
OW-19	Black Creek Aquifer	398067.23	2051976.50	86.68	1	80	70-80
OW-20	Black Creek Aquifer	398229.85	2052080.86	69.59	1	58	48-58
OW-21	Black Creek Aquifer	397521.83	2051950.75	80.85	1	67	57-67
OW-22	Black Creek Aquifer	397325.34	2052218.74	66.63	1	53	43-53
OW-23	Black Creek Aquifer	396776.73	2052355.66	67.83	1	55	45-55
OW-24	Black Creek Aquifer	396677.42	2052158.17	78.67	1	60	50-60
OW-25	Black Creek Aquifer	396182.38	2052428.46	70.91	1	55	45-55
OW-26	Black Creek Aquifer	395503.74	2052268.81	80.85	1	60	50-60
OW-27	Black Creek Aquifer	395555.17	2052622.16	55.6	1	43	33-43
OW-28	Black Creek Aquifer	395570.57	2052838.21	48.49	2	30	20-30
OW-29	Black Creek Aquifer	395193.45	2052143.81	85.67	1	52	42-52
OW-30	Black Creek Aquifer	394988.72	2052537.53	70.92	2	59	49-59
OW-31	Black Creek Aquifer	394812.07	2051595.90	106.1	1	95	85-95
OW-32	Black Creek Aquifer	394563.76	2051792.16	85.05	2	72	62-72
OW-33	Black Creek Aquifer	395116.90	2052806.54	48.59	2	29	19-29
OW-34	Surficial Aquifer	398593.54	2051813.31	83.76	1	33	23-33
OW-35	Surficial Aquifer	398060.78	2051977.75	87.45	1	30	20-30
OW-36	Surficial Aquifer	397257.46	2051997.45	80.61	1	21	11-21
OW-37	Surficial Aquifer	396154.99	2052264.10	77.82	2	35	25-35
OW-38	Black Creek Aquifer	394885.22	2051883.97	123.7	1	70	60-70
OW-39	Black Creek Aquifer	394728.70	2052105.68	92.07	2	78	68-78
OW-40	Black Creek Aquifer	394588.05	2052521.39	72.88	2	59	49-59
OW-41	Black Creek Aquifer	401683.74	2050119.92	93.66	1	92	82-92
OW-42	Black Creek Aquifer	401696.05	2050448.24	87.37	1	68	58-68
OW-43	Black Creek Aquifer	400937.73	2051116.17	76.94	1	50	40-50
OW-44	Black Creek Aquifer	399741.48	2051736.45	73.18	1	44	34-44
OW-45	Black Creek Aquifer	398836.07	2051955.99	77.1	1	60	50-60
OW-46	Black Creek Aquifer	398164.94	2052050.69	72.05	1	69	59-69
OW-47	Black Creek Aquifer	397243.89	2052136.32	71.47	1	59	49-59
OW-48	Black Creek Aquifer	396698.39	2052275.93	69.54	1	52	42-52
OW-49	Black Creek Aquifer	396180.56	2052348.51	79.56	1	63	53-63
OW-50	Black Creek Aquifer	395529.59	2052379.97	71.53	1	53	43-53
OW-51	Black Creek Aquifer	396166.08	2052262.14	77.72	2	66	56-66
OW-52	Black Creek Aquifer	397562.30	2052151.03	60.66	2	47	37-47
OW-53	Black Creek Aquifer	397530.83	2052055.05	75.16	2	68	56-66
OW-54	Black Creek Aquifer	401068.86	2051275.96	47.42	2	12	7-12
OW-55	Black Creek Aquifer	401761.92	2050875.02	75.45	2	58	43-58
OW-56	Black Creek Aquifer	401983.45	2050634.71	44.69	2	12	7-12
OW-57	Black Creek Aquifer	401781.20	2050174.65	68.87	2	43	33-43
PIW-10DR	Black Creek Aquifer	395093.99	2052297.30	75.91	2	58	53-58
PIW-11	Black Creek Aquifer	401911.03	2050416.29	67.02	2	57	47-57
PIW-12	Black Creek Aquifer	401703.10	2051025.77	83.78	2	74	64-74

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WELL ID	TARGET AQUIFER	NORTHING (FT, NAD83)	EASTING (FT, NAD83)	TOP OF CASING ELEVATION (FT, NAVD88)	WELL DIAMETER (INCHES)	WELL DEPTH (FT, BGS)	WELL SCREEN INTERVAL (FT, BGS)
PIW-13	Black Creek Aquifer	401464.29	2051122.60	83.18	2	64	54-64
PIW-14	Black Creek Aquifer	401163.98	2051186.57	87.43	2	66	56-66
PIW-15	Black Creek Aquifer	400706.51	2051532.80	67.85	2	44	34-44
PIW-1D	Black Creek Aquifer	400548.00	2051801.28	52.16	2	30	24.5-29.5
PIW-2D	Black Creek Aquifer	399925.40	2051315.80	96.19	2	50	40-50
PIW-3D	Black Creek Aquifer	399711.25	2052086.94	53.42	2	24	19-24
PIW-4D	Black Creek Aquifer	398816.52	2052101.94	52.85	2	37	32.3-37.3
PIW-5S	Surficial Aquifer	398519.70	2051950.49	75.02	2	19.8	9.8-19.8
PIW-5SR	Surficial Aquifer	398545.03	2051977.42	79.60	2	25	15-25
PIW-7D	Black Creek Aquifer	396787.77	2052595.65	48.93	2	34	29-34
PIW-7S	Floodplain Deposits	396786.97	2052589.10	47.97	2	17	7-17
PW-02	Surficial Aquifer	399779.06	2050649.47	146.43	2	60	50-60
PW-03	Surficial Aquifer	397339.81	2050765.32	147.97	2	45	35-45
PW-04	Surficial Aquifer	394659.55	2050940.66	97.75	2	27	17-27
PW-10R	Black Creek Aquifer	398516.12	2051936.59	75.90	2	67	57-67
PW-10RR	Black Creek Aquifer	398532.53	2051965.93	79.97	2	71	61-71
PW-11	Black Creek Aquifer	394354.36	2052226.72	73.26	2	64	53-63
PW-14	Black Creek Aquifer	397325.65	2050766.36	147.97	2	146	136-146
PW-15R	Black Creek Aquifer	398900.88	2051011.75	136.14	2	120	110-120
PZ-22	Black Creek Aquifer	397271.94	2052585.34	50.70	1	48	42.5-47.5
SMW-03B	Black Creek Aquifer	399785.75	2049421.54	150.43	2	82	72-82
SMW-09	Surficial Aquifer	401076.89	2050017.41	141.43	2	62	52-62
SMW-12	Black Creek Aquifer	401314.20	2051007.22	118.22	2	98	88-98

Notes:

1 - This table provides well construction details for the wells included under the Performance Monitoring Plan (PMP). It is not comprehensive to the entire well network at the Site.

2 - At one drilling location, EW-59, Black Creek aquifer material was not encountered, therefore there was not a suitable interval to install the well screen. This borehole was abandoned prior to well installation.

BGS - below ground surface

EW - extraction well

NAD83 - North American Datum of 1983

NAVD88 - North American Vertical Datum of 1988

OW - observation well

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
Prior Total	N/A	144,689,291
10/1/2023	344	145,187,691
10/2/2023	344	145,686,043
10/3/2023	344	146,184,187
10/4/2023	345	146,682,283
10/5/2023	337	147,169,035
10/6/2023	339	147,665,339
10/7/2023	342	148,161,211
10/8/2023	339	148,651,691
10/9/2023	338	149,140,859
10/10/2023	337	149,629,195
10/11/2023	336	150,122,443
10/12/2023	340	150,615,483
10/13/2023	338	151,104,843
10/14/2023	340	151,598,219
10/15/2023	334	152,083,195
10/16/2023	333	152,563,611
10/17/2023	336	153,051,787
10/18/2023	338	153,542,811
10/19/2023	344	154,037,659
10/20/2023	347	154,539,035
10/21/2023	343	155,037,307
10/22/2023	341	155,531,515
10/23/2023	329	156,007,819
10/24/2023	308	156,453,371
10/25/2023	319	156,915,435
10/26/2023	Not Available	157,387,148
10/27/2023	277	157,760,267
10/28/2023	307	158,203,691
10/29/2023	321	158,668,619
10/30/2023	327	159,141,147
10/31/2023	325	159,612,459
October Total	N/A	14,923,168

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
11/1/2023	326	160,083,339
11/2/2023	332	160,562,235
11/3/2023	339	161,051,211
11/4/2023	340	161,544,507
11/5/2023	339	162,055,611
11/6/2023	337	162,543,163
11/7/2023	336	163,028,507
11/8/2023	326	163,501,771
11/9/2023	329	163,978,763
11/10/2023	328	164,453,515
11/11/2023	326	164,924,987
11/12/2023	326	165,397,195
11/13/2023	324	165,747,867
11/14/2023	312	166,205,259
11/15/2023	315	166,661,035
11/16/2023	279	167,067,035
11/17/2023	308	167,511,915
11/18/2023	321	167,976,571
11/19/2023	316	168,433,083
11/20/2023	327	168,906,235
11/21/2023	337	169,397,947
11/22/2023	340	169,891,771
11/23/2023	333	170,373,307
11/24/2023	331	170,853,995
11/25/2023	332	171,334,395
11/26/2023	343	171,829,547
11/27/2023	338	172,318,187
11/28/2023	333	172,800,443
11/29/2023	332	173,288,619
11/30/2023	337	173,774,635
November Total	N/A	14,162,176

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
12/1/2023	335	174,259,115
12/2/2023	333	174,741,467
12/3/2023	333	175,224,635
12/4/2023	330	175,702,859
12/5/2023	326	176,176,939
12/6/2023	317	176,635,963
12/7/2023	325	177,106,139
12/8/2023	330	177,586,283
12/9/2023	331	178,068,171
12/10/2023	335	178,552,971
12/11/2023	328	179,027,611
12/12/2023	322	179,493,259
12/13/2023	307	179,943,547
12/14/2023	332	180,432,011
12/15/2023	341	180,922,619
12/16/2023	341	181,415,947
12/17/2023	346	181,917,547
12/18/2023	332	182,398,619
12/19/2023	334	182,883,835
12/20/2023	339	183,374,971
12/21/2023	345	183,875,083
12/22/2023	347	184,376,459
12/23/2023	345	184,875,515
12/24/2023	343	185,372,747
12/25/2023	344	185,869,867
12/26/2023	343	186,364,843
12/27/2023	341	186,859,371
12/28/2023	343	187,355,867
12/29/2023	344	187,854,347
12/30/2023	345	188,353,611
12/31/2023	345	188,853,643
December Total	N/A	15,079,008
Reporting Period Total	N/A	44,164,352

Notes:

1 - Flow rate measurements are collected by the manifold flow meter every 15 minutes.

2 - The cumulative volume extracted is recorded by the GWEC system flow totalizer.

3 - The monthly and reporting period totals are not applicable (N/A) for flow rate values.

4 - The flow data for October 26 is not available due to communication failure in the telemetry network. The cumulative volume extracted for this date is calculated by using the daily flow data provided by Veolia about the volume conveyed from the GWEC system to the 004 groundwater treatment plant.

GWEC - Groundwater Extraction and Conveyance

gpm - gallons per minute

Table 4-3
Extraction Well Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
	October	November	December	October	November	December	Total Reporting Period
Willis Creek (Northern Alignment)							
EW-01	12.79	12.37	12.82	571,015	534,297	572,289	1,677,600
EW-02	5.92	5.72	5.91	264,068	247,011	263,961	775,041
EW-03	1.28	1.35	1.79	57,106	58,408	79,874	195,387
EW-04	0.46	0.52	0.55	20,526	22,514	24,422	67,462
EW-05	13.79	13.35	13.79	615,658	576,711	615,587	1,807,955
EW-06	7.89	7.56	7.58	352,317	326,665	338,490	1,017,472
EW-07	1.26	1.18	1.28	56,113	50,868	57,078	164,058
EW-08	0.37	0.45	1.92	16,534	19,626	85,539	121,700
EW-09	0.00	0.00	0.00	0	0	0	0
EW-10	0.00	0.00	0.10	0	0	4,571	4,571
EW-11	0.00	0.00	0.00	0	0	84	84
EW-12	0.00	0.00	0.14	94	0	6,170	6,263
EW-13	0.54	0.49	0.53	24,159	21,176	23,758	69,094
EW-14	2.12	4.17	4.16	94,810	180,014	185,635	460,459
EW-15	0.00	0.00	0.00	0	0	0	0
Average Northern Alignment EW	3.09	3.14	3.37	N/A	N/A	N/A	N/A
Barrier Wall (Southern Alignment)							
EW-16	2.92	0.66	0.00	130,566	28,528	0	159,094
EW-17	1.80	0.76	0.18	80,286	32,895	8,106	121,287
EW-18	1.03	1.01	1.00	45,950	43,626	44,428	134,003
EW-19	0.00	0.00	0.00	0	0	0	0
EW-20	0.29	0.32	0.31	12,949	13,725	13,982	40,656
EW-21	0.00	0.00	0.00	0	0	0	0
EW-22	6.91	6.81	6.90	308,462	294,322	307,943	910,726
EW-23	0.00	0.00	0.00	0	0	20	20
EW-24	2.27	2.75	2.96	101,246	119,001	131,969	352,216
EW-25	2.19	2.65	1.71	97,612	114,550	76,470	288,632
EW-26S	2.88	1.30	0.53	128,464	56,344	23,443	208,251
EW-27	4.80	4.87	4.95	214,341	210,223	220,785	645,349
EW-28	0.71	0.72	0.74	31,715	31,247	32,981	95,943
EW-29	4.29	4.40	4.45	191,688	190,012	198,702	580,401
EW-30	3.82	3.91	3.94	170,671	168,908	175,878	515,457
EW-31	7.66	7.82	7.90	341,772	337,771	352,668	1,032,212
EW-32	1.06	1.27	0.82	47,328	54,829	36,637	138,793
EW-33	1.59	1.64	1.63	70,871	71,022	72,541	214,434
EW-34	5.78	5.83	5.92	257,849	251,743	264,219	773,811
EW-35	0.00	0.00	0.00	0	0	0	0
EW-36	7.72	7.84	7.91	344,538	338,724	352,926	1,036,188
EW-37	0.26	1.15	2.94	11,390	49,563	131,143	192,096
EW-38	16.32	14.57	16.80	728,402	629,388	749,999	2,107,789
EW-39	1.44	1.28	1.30	64,278	55,460	58,001	177,739
EW-40	19.77	19.59	19.77	882,461	846,156	882,412	2,611,028
EW-41	5.89	5.88	5.91	262,861	254,059	263,991	780,912
EW-42	5.48	3.92	3.95	244,503	169,279	176,388	590,170
EW-43	4.80	4.91	4.92	214,263	211,963	219,802	646,027
EW-44	0.00	0.00	0.00	0	0	0	0
EW-45	4.04	2.86	2.84	180,549	123,569	126,798	430,916
EW-46	0.00	0.00	0.00	0	0	0	0
EW-47	5.93	5.90	5.91	264,650	254,688	264,010	783,348
EW-48	0.50	0.48	0.55	22,149	20,786	24,672	67,607
EW-49	5.93	5.92	5.53	264,644	255,857	246,680	767,181
EW-50	1.97	1.97	1.97	88,144	85,063	88,094	261,301
EW-51	3.95	3.95	3.95	176,376	170,524	176,260	523,161
EW-52	5.71	5.90	5.93	255,073	254,753	264,885	774,710
EW-53	2.22	3.66	4.41	98,946	158,115	196,825	453,887
EW-54	1.82	2.52	2.85	81,168	108,983	127,082	317,232
EW-55	3.95	3.93	3.93	176,421	169,749	175,518	521,688
EW-56	5.85	5.92	5.93	261,106	255,844	264,933	781,884
EW-57	0.00	0.00	0.00	0	0	0	0
EW-58	1.72	1.73	1.57	76,724	74,889	70,059	221,671
EW-60	0.35	0.05	0.26	15,571	2,042	11,631	29,244

Table 4-3
Extraction Well Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
	October	November	December	October	November	December	Total Reporting Period
EW-61	2.16	2.30	2.05	96,392	99,411	91,418	287,220
EW-62	2.83	1.91	1.68	126,500	82,351	74,790	283,641
EW-63	10.87	10.79	10.88	485,385	466,169	485,692	1,437,246
EW-64	0.00	0.00	0.00	0	0	0	0
EW-65	0.71	0.70	0.89	31,820	30,100	39,583	101,503
EW-66	13.05	11.76	11.83	582,589	508,237	528,059	1,618,885
EW-67	31.57	31.36	31.53	1,409,350	1,354,775	1,407,692	4,171,817
EW-68	27.63	27.43	27.58	1,233,604	1,184,988	1,231,201	3,649,793
EW-69	27.60	27.35	27.60	1,232,258	1,181,703	1,231,989	3,645,950
Average Southern Alignment EW	5.13	4.99	5.04	N/A	N/A	N/A	N/A

Notes:
1 - Each well's flowmeter records flow rate every 15 minutes, including instances of no flow for pumps that are cycling as opposed to operating continuously. The calculated monthly average accounts for these instances of no flow. The values above are therefore not necessarily representative of the target flow rate setpoint for each well.
gpm - gallons per minute
gal - gallons

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
Prior Total	N/A	151,598,377	
10/2/2023	326	468,880	152,067,257
10/3/2023	327	470,866	152,538,123
10/4/2023	346	498,607	153,036,730
10/5/2023	321	462,938	153,499,668
10/6/2023	327	470,258	153,969,926
10/7/2023	336	483,355	154,453,281
10/8/2023	319	459,575	154,912,856
10/9/2023	335	482,430	155,395,286
10/10/2023	320	460,659	155,855,945
10/11/2023	323	464,583	156,320,528
10/12/2023	383	551,937	156,872,465
10/13/2023	361	519,200	157,391,665
10/14/2023	324	466,493	157,858,158
10/15/2023	319	458,831	158,316,989
10/16/2023	349	502,437	158,819,426
10/17/2023	341	490,749	159,310,175
10/18/2023	331	476,463	159,786,638
10/19/2023	359	517,644	160,304,282
10/20/2023	325	468,523	160,772,805
10/21/2023	329	473,778	161,246,583
10/22/2023	328	472,897	161,719,480
10/23/2023	316	454,869	162,174,349
10/24/2023	293	422,550	162,596,899
10/25/2023	292	420,499	163,017,398
10/26/2023	353	509,019	163,526,417
10/27/2023	305	439,551	163,965,968
10/28/2023	314	451,523	164,417,491
10/29/2023	313	450,272	164,867,763
10/30/2023	313	451,323	165,319,086
10/31/2023	309	444,744	165,763,830
October Total	N/A	14,165,453	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
11/1/2023	314	452,383	166,216,213
11/2/2023	320	460,196	166,676,409
11/3/2023	323	465,133	167,141,542
11/4/2023	333	479,956	167,621,498
11/5/2023	338	486,633	168,108,131
11/6/2023	350	504,597	168,612,728
11/7/2023	324	465,927	169,078,655
11/8/2023	317	456,348	169,535,003
11/9/2023	322	464,045	169,999,048
11/10/2023	330	474,868	170,473,916
11/11/2023	318	457,820	170,931,736
11/12/2023	326	468,870	171,400,606
11/13/2023	317	455,795	171,856,401
11/14/2023	302	435,221	172,291,622
11/15/2023	320	460,511	172,752,133
11/16/2023	311	448,535	173,200,668
11/17/2023	289	416,406	173,617,074
11/18/2023	314	452,856	174,069,930
11/19/2023	315	454,125	174,524,055
11/20/2023	313	450,525	174,974,580
11/21/2023	336	484,056	175,458,636
11/22/2023	378	544,837	176,003,473
11/23/2023	397	571,435	176,574,908
11/24/2023	404	581,795	177,156,703
11/25/2023	406	584,857	177,741,560
11/26/2023	378	543,617	178,285,177
11/27/2023	340	489,986	178,775,163
11/28/2023	330	474,645	179,249,808
11/29/2023	338	486,909	179,736,717
11/30/2023	330	474,734	180,211,451
November Total	N/A	14,447,621	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
12/1/2023	330	474,734	180,686,185
12/2/2023	358	516,194	181,202,379
12/3/2023	335	482,734	181,685,113
12/4/2023	326	469,785	182,154,898
12/5/2023	328	472,522	182,627,420
12/6/2023	317	456,550	183,083,970
12/7/2023	308	443,074	183,527,044
12/8/2023	313	451,344	183,978,388
12/9/2023	318	457,568	184,435,956
12/10/2023	317	456,380	184,892,336
12/11/2023	326	469,957	185,362,293
12/12/2023	301	433,196	185,795,489
12/13/2023	280	403,812	186,199,301
12/14/2023	318	458,151	186,657,452
12/15/2023	312	449,503	187,106,955
12/16/2023	421	606,697	187,713,652
12/17/2023	415	597,596	188,311,248
12/18/2023	432	621,401	188,932,649
12/19/2023	419	602,686	189,535,335
12/20/2023	430	618,775	190,154,110
12/21/2023	426	613,337	190,767,447
12/22/2023	437	628,600	191,396,047
12/23/2023	438	630,187	192,026,234
12/24/2023	429	617,065	192,643,299
12/25/2023	420	604,659	193,247,958
12/26/2023	411	592,334	193,840,292
12/27/2023	409	589,203	194,429,495
12/28/2023	417	600,614	195,030,109
12/29/2023	395	568,463	195,598,572
12/30/2023	400	575,666	196,174,238
12/31/2023	359	516,495	196,690,733
1/1/2024	353	508,195	197,198,928
December Total	N/A	16,987,477	
Reporting Period Total	N/A	45,600,551	

Notes:

1 - The 004 Treatment Plant operational data is collected and managed by Veolia.

2 - The monthly and reporting period totals are not applicable (N/A) for flow rate values.

3 - The daily volume treated and discharged is recorded on a 24-hour basis, ending daily at 1 pm. For simplicity, the volume totaled through 1 pm is shown as the daily total in this table.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1023-2** Sample Date: 3-Oct-23	**004 Effluent** **004-EFF-1023-2** Sample Date: 3-Oct-23	**004 Influent** **004-INF-1023-3** Sample Date: 10-Oct-23	**004 Effluent** **004-EFF-1023-3** Sample Date: 10-Oct-23	**004 Influent** **004-INF-1023-4** Sample Date: 17-Oct-23	**004 Effluent** **004-EFF-1023-4** Sample Date: 17-Oct-23	**004 Influent** **004-INF-1023-5** Sample Date: 24-Oct-23	**004 Effluent** **004-EFF-1023-5** Sample Date: 24-Oct-23	**004 Influent** **004-INF-1023** Sample Date: 31-Oct-23	**004 Effluent** **004-EFF-1023** Sample Date: 31-Oct-23
Hfpo Dimer Acid	**14,000**	<2.0	**11,000**	<2.0	**19,000**	<2.0	**14,000 J**	<2.0	**13,000**	<2.0
PFMOAA	**76,000**	<2.0	**66,000**	<2.0	**69,000**	<2.0	**59,000 J**	<2.0 UJ	**67,000**	<2.0
PFO2HxA	**30,000**	<2.0	--	--	--	--	--	--	--	--
PFO3OA	**7,500**	<2.0	--	--	--	--	--	--	--	--
PFO4DA	**2,000**	<2.0	--	--	--	--	--	--	--	--
PFO5DA	**490**	<2.0	--	--	--	--	--	--	--	--
PMPA	**11,000**	<10	**9,100**	<10	**11,000**	<10	**9,100 J**	<10	**12,000**	<10
PEPA	**3,000**	<20	--	--	--	--	--	--	--	--
PS Acid	**660**	<2.0	--	--	--	--	--	--	--	--
Hydro-PS Acid	**460**	<2.0	--	--	--	--	--	--	--	--
R-PSDA	**1,300 J**	<2.0	--	--	--	--	--	--	--	--
Hydrolyzed PSDA	**13,000 J**	<2.0	--	--	--	--	--	--	--	--
R-PSDCA	**17**	<2.0	--	--	--	--	--	--	--	--
NVHOS, Acid Form	**1,000**	<2.0	--	--	--	--	--	--	--	--
EVE Acid	**73**	<2.0	--	--	--	--	--	--	--	--
Hydro-EVE Acid	**780**	<2.0	--	--	--	--	--	--	--	--
R-EVE	**690 J**	<2.0	--	--	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	**140**	<2.0	--	--	--	--	--	--	--	--
PFECA B	<27	<2.0	--	--	--	--	--	--	--	--
PFECA-G	<48	<2.0	--	--	--	--	--	--	--	--
Total Table 3+ (17 compounds)[1,2,3]	**150,000**	**ND**	--	--	--	--	--	--	--	--

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1123** Sample Date: 6-Nov-23	**004 Effluent** **004-EFF-1123** Sample Date: 6-Nov-23	**004 Influent** **004-INF-1123-2** Sample Date: 13-Nov-23	**004 Effluent** **004-EFF-1123-2** Sample Date: 13-Nov-23	**004 Influent** **004-INF-1123-3** Sample Date: 20-Nov-23	**004 Effluent** **004-EFF-1123-3** Sample Date: 20-Nov-23	**004 Influent** **004-INF-1123-4** Sample Date: 27-Nov-23	**004 Effluent** **004-EFF-1123-4** Sample Date: 27-Nov-23
Hfpo Dimer Acid	**12,000**	<2.0	**12,000**	<2.0	**13,000**	<2.0	**15,000**	<2.0
PFMOAA	**62,000**	<2.0	**72,000**	<2.0	**70,000**	<2.0 UJ	**54,000**	<2.0 UJ
PFO2HxA	--	--	**24,000**	<2.0	--	--	--	--
PFO3OA	--	--	**6,200**	<2.0	--	--	--	--
PFO4DA	--	--	**1,900**	<2.0	--	--	--	--
PFO5DA	--	--	**540**	<2.0	--	--	--	--
PMPA	**8,700**	<10	**10,000**	<10	**9,400**	<10	**8,800**	<10
PEPA	--	--	**3,000**	<20	--	--	--	--
PS Acid	--	--	**610**	<2.0	--	--	--	--
Hydro-PS Acid	--	--	**460**	<2.0	--	--	--	--
R-PSDA	--	--	**1,200 J**	<2.0	--	--	--	--
Hydrolyzed PSDA	--	--	**11,000 J**	<2.0	--	--	--	--
R-PSDCA	--	--	**18**	<2.0	--	--	--	--
NVHOS, Acid Form	--	--	**950**	<2.0	--	--	--	--
EVE Acid	--	--	**57**	<2.0	--	--	--	--
Hydro-EVE Acid	--	--	**850**	<2.0	--	--	--	--
R-EVE	--	--	**620 J**	<2.0	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	**3.4**	<2.0	--	--	--	--
PFECA B	--	--	<13	<2.0	--	--	--	--
PFECA-G	--	--	<24	<2.0	--	--	--	--
Total Table 3+ (17 compounds)[1,2,3]	--	--	**130,000**	**ND**	--	--	--	--

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1223** Sample Date: 4-Dec-23	**004 Effluent** **004-EFF-1223** Sample Date: 4-Dec-23	**004 Influent** **004-INF-1223-2** Sample Date: 11-Dec-23	**004 Effluent** **004-EFF-1223-2** Sample Date: 11-Dec-23	**004 Influent** **004-INF-1223-3** Sample Date: 18-Dec-23	**004 Effluent** **004-EFF-1223-3** Sample Date: 18-Dec-23	**004 Influent** **004-INF-1223-4** Sample Date: 27-Dec-23	**004 Effluent** **004-EFF-1223-4** Sample Date: 27-Dec-23
Hfpo Dimer Acid	**13,000**	<2.0	**11,000**	<2.0	**11,000**	<2.0	**13,000**	<2.0
PFMOAA	**71,000**	<2.0	**65,000**	<2.0	**49,000**	<2.0 UJ	**62,000**	<2.0
PFO2HxA	**--**	**--**	**25,000**	<2.0	**--**	**--**	**--**	**--**
PFO3OA	**--**	**--**	**7,400**	<2.0	**--**	**--**	**--**	**--**
PFO4DA	**--**	**--**	**2,000**	<2.0	**--**	**--**	**--**	**--**
PFO5DA	**--**	**--**	**580**	<2.0	**--**	**--**	**--**	**--**
PMPA	**10,000**	<10	**8,500**	<10 UJ	**7,300**	<10 UJ	**11,000**	<10
PEPA	**--**	**--**	**2,600**	<20	**--**	**--**	**--**	**--**
PS Acid	--	--	**670**	<2.0	--	--	--	--
Hydro-PS Acid	**--**	**--**	**410**	<2.0	**--**	**--**	**--**	**--**
R-PSDA	**--**	**--**	**1,100 J**	<2.0	**--**	**--**	**--**	**--**
Hydrolyzed PSDA	**--**	**--**	**9,200 J**	<2.0	**--**	**--**	**--**	**--**
R-PSDCA	**--**	**--**	<17	<2.0	**--**	**--**	**--**	**--**
NVHOS, Acid Form	**--**	**--**	**830**	<2.0	**--**	**--**	**--**	**--**
EVE Acid	**--**	**--**	**62**	<2.0	**--**	**--**	**--**	**--**
Hydro-EVE Acid	**--**	**--**	**730**	<2.0	**--**	**--**	**--**	**--**
R-EVE	**--**	**--**	**490 J**	<2.0	**--**	**--**	**--**	**--**
Perfluoro(2-ethoxyethane)sulfonic Acid	**--**	**--**	<6.7	<2.0	**--**	**--**	**--**	**--**
PFECA B	**--**	**--**	<27	<2.0	**--**	**--**	**--**	**--**
PFECA-G	**--**	**--**	<48	<2.0	**--**	**--**	**--**	**--**
Total Table 3+ (17 compounds)[1,2,3]	**--**	**--**	**120,000**	**ND**	**--**	**--**	**--**	**--**

Notes:
1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to two significant figures.
2 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
3 - Total Table 3+ (17 Compounds) is not applicable for the weekly sampling for only PFAS indicator compounds (HFPO-DA, PFMOAA, and PMPA).
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.
ND - No Table 3+ compounds were detected above their associated reporting limits.

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST [1,2] ***(ng/L)***	**004 Influent** **004-INF-1123-2** Sample Date: 13-Nov-23	**004 Effluent** **004-EFF-1123-2** Sample Date: 13-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0
DONA	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<2.0
Perfluorobutanoic Acid	**170**	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0
Perfluoroheptanoic Acid	**87**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0
Perfluorohexanoic Acid	**33**	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0
Perfluorononanoic Acid	**4.5**	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0
Perfluoropentanoic Acid	**640**	<2.0
Perfluorotetradecanoic Acid	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0
PFOA	**19**	<2.0
PFOS	<2.0	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds.
2 - Sample analysis under EPA Method 537 MOD SOP is required one time per quarter.
Bold - Analyte detected above associated reporting limit.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)*	*Aug 14 (0.41)*	*Jan 27 (0.00)*	*Feb 25 (0.07)*	*Mar 26 (0.45)*	*April 17 (0.00)*	*May 20 (0.00)*	*Jun 18 (0.00)*
		Aug 2 (0.00)	*Aug 15 (0.09)*	*Jan 28 (0.00)*	*Feb 26 (0.00)*	*Mar 27 (0.63)*	*Apr 18 (0.00)*	*May 21 (0.00)*	*Jun 19 (0.16)*
		Aug 3 (0.00)	*Aug 16 (0.00)*	*Jan 29 (0.08)*	*Feb 27 (0.00)*	*Mar 28 (0.28)*	*Apr 19 (0.00)*	*May 22 (0.00)*	*Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Willis Creek Observation Wells (Northern Alignment): 18 Wells									
OW-11	Black Creek Aquifer	49.63	49.57	49.02	48.39	46.58	46.62	48.25	46.16
OW-12	Black Creek Aquifer	34.08	34.08	34.81	31.61	29.71	30.26	29.32	29.15
OW-13	Black Creek Aquifer	34.10	34.05	34.42	33.63	32.32	33.61	32.02	31.43
OW-14	Black Creek Aquifer	33.62	33.47	34.67	34.09	33.11	36.60	32.97	32.08
OW-41	Black Creek Aquifer	49.13	49.12	48.33	47.66	46.46	46.51	46.11	45.97
OW-42	Black Creek Aquifer	47.89	47.86	47.42	46.81	45.90	45.94	45.52	45.47
OW-43	Black Creek Aquifer	34.49	34.42	34.62	33.64	32.04	33.09	31.76	31.20
OW-54	Black Creek Aquifer	Well Installed January 24, 2023		35.87	35.00	33.45	35.90	36.19	Dry
OW-55	Black Creek Aquifer	Well Installed January 18, 2023		34.77	32.06	28.43	29.75	28.30	28.07
OW-56	Black Creek Aquifer	Well Installed January 24, 2023		36.92	36.50	36.63	37.17	35.99	36.18
OW-57	Black Creek Aquifer	Well Installed January 17, 2023		45.75	45.24	44.58	44.62	44.27	44.22
PIW-1D	Black Creek Aquifer	32.59	32.47	33.95	33.15	32.25	35.09	31.96	31.25
PIW-11	Black Creek Aquifer	43.28	43.24	43.89	43.62	43.14	43.65	42.87	42.61
PIW-12	Black Creek Aquifer	33.74	33.69	34.39	31.90	26.64	28.38	26.68	26.43
PIW-13	Black Creek Aquifer	33.66	33.60	34.20	30.68	24.95	28.16	25.74	25.00
PIW-14	Black Creek Aquifer	34.05	34.00	34.44	32.47	29.90	31.36	29.80	29.20
PIW-15	Black Creek Aquifer	32.74	32.65	33.54	32.88	32.00	33.87	31.69	31.10
SMW-12	Black Creek Aquifer	33.03	33.03	33.52	31.19	29.17	30.17	28.82	28.23
Median (Black Creek Aquifer wells)		34.07	34.03	34.72	33.64	32.29	34.48	31.99	31.25
Observation Wells ≤200 ft Upgradient of Barrier Wall: 19 Wells									
OW-02	Black Creek Aquifer	48.82	48.72	48.79	44.34	39.18	42.55	34.58	32.97
OW-03	Black Creek Aquifer	49.52	49.44	49.60	44.06	38.43	42.24	34.14	32.57
OW-07	Black Creek Aquifer	44.87	44.75	45.36	41.10	37.61	35.00	29.91	27.90
OW-08	Black Creek Aquifer	44.12	43.98	44.60	40.37	36.86	34.14	29.09	27.05
OW-15	Black Creek Aquifer	Well Installed September 22, 2022		56.91	56.50	57.53	57.66	57.21	57.16
OW-17	Black Creek Aquifer	44.87	44.82	43.53	39.81	34.88	32.77	32.96	32.87
OW-18	Black Creek Aquifer	47.17	47.37	48.61	48.79	47.95	46.93	46.58	46.44
OW-19	Black Creek Aquifer	46.36	46.23	46.68	41.42	37.73	38.50	30.38	28.05
OW-21	Black Creek Aquifer	45.13	45.00	45.51	41.70	37.87	35.40	30.65	28.15
OW-24	Black Creek Aquifer	43.17	43.15	43.73	38.94	36.23	34.77	30.02	28.27
OW-26	Black Creek Aquifer	55.22	55.16	54.84	53.79	45.67	44.05	42.50	40.15
OW-29	Black Creek Aquifer	59.58	59.54	59.14	58.57	51.34	49.72	47.54	45.62
OW-31	Black Creek Aquifer	60.44	60.41	60.07	59.43	47.00	50.58	42.85	41.55
OW-34	Surficial Aquifer	62.98	62.81	62.03	64.53	66.36	67.30	67.50	67.41
OW-35	Surficial Aquifer	66.33	66.10	65.67	65.71	65.45	68.18	68.35	68.35
OW-36	Surficial Aquifer	62.72	62.61	62.07	61.85	61.64	61.48	61.51	61.52
OW-37	Surficial Aquifer	Well Installed June 21, 2023							
OW-38	Black Creek Aquifer	Well Installed September 22, 2022		61.93	61.94	61.64	61.60	61.45	61.40
OW-51	Black Creek Aquifer	Well Installed June 20, 2023							
Median (Black Creek Aquifer wells)		46.77	46.80	48.70	44.20	38.81	42.40	34.36	32.92
Median (Surficial Aquifer wells)		62.98	62.81	62.07	64.53	65.45	67.30	67.50	67.41

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)* *Ju1 18 (0.00)* *Jul 19 (0.00)*	*Aug. 15 (0.09)* *Aug. 16 (0.00)* *Aug. 17 (0.00)*	*Sep. 18 (0.00)* *Sept. 19 (0.00)* *Sept. 20 (0.00)*	*Oct. 27 (0.00)* *Oct 28. (0.00)* *Oct. 29 (0.00)*	*Nov. 25 (0.00)* *Nov. 26 (0.06)* *Nov. 27 (0.03)*	*Dec. 17 (3.34)* *Dec. 18 (0.04)* *Dec. 19 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**December 20 vs. January 30, 2023**	**December 20 vs November 28, 2023**
Willis Creek Observation Wells (Northern Alignment): 18 Wells									
OW-11	Black Creek Aquifer	45.98	45.89	45.82	45.80	45.63	46.82	2.20	1.19
OW-12	Black Creek Aquifer	29.08	28.95	29.39	29.10	29.19	31.32	3.49	2.13
OW-13	Black Creek Aquifer	31.50	31.20	31.54	31.32	31.04	32.25	2.17	1.21
OW-14	Black Creek Aquifer	32.76	32.05	32.22	31.59	31.36	32.42	2.25	1.06
OW-41	Black Creek Aquifer	45.78	45.69	45.64	45.66	45.45	45.59	2.74	0.14
OW-42	Black Creek Aquifer	45.27	45.15	45.16	45.12	44.95	45.17	2.25	0.22
OW-43	Black Creek Aquifer	31.13	31.14	31.49	31.55	31.44	31.69	2.93	0.25
OW-54	Black Creek Aquifer	Dry	Dry	Dry	Dry	Dry	Dry	N/A	N/A
OW-55	Black Creek Aquifer	27.97	27.80	28.60	28.05	28.20	28.12	6.65	0.08
OW-56	Black Creek Aquifer	35.89	35.74	36.01	35.89	36.09	Not Gauged	N/A	N/A
OW-57	Black Creek Aquifer	44.07	43.92	43.95	43.92	43.78	44.12	1.63	0.34
PIW-1D	Black Creek Aquifer	32.06	31.27	31.51	30.96	30.75	32.07	1.88	1.32
PIW-11	Black Creek Aquifer	43.10	42.70	42.96	42.57	42.61	43.34	0.55	0.73
PIW-12	Black Creek Aquifer	26.36	26.17	27.27	26.54	26.73	28.96	5.43	2.23
PIW-13	Black Creek Aquifer	25.21	25.38	26.70	26.48	26.70	27.26	6.94	0.56
PIW-14	Black Creek Aquifer	28.98	29.45	30.02	29.98	29.93	30.10	4.34	0.17
PIW-15	Black Creek Aquifer	31.50	31.01	31.29	30.85	30.59	32.85	0.69	2.26
SMW-12	Black Creek Aquifer	27.97	Not Gauged	Not Gauged	28.42	28.64	28.70	4.82	0.06
Median (Black Creek Aquifer wells)		31.50	31.24	31.53	31.32	31.04	32.16	2.50	0.64
Observation Wells <200 ft Upgradient of Barrier Wall: 19 Wells									
OW-02	Black Creek Aquifer	32.29	33.10	33.95	34.55	34.62	34.25	14.54	0.37
OW-03	Black Creek Aquifer	32.56	32.79	33.62	34.29	34.34	33.94	15.66	0.40
OW-07	Black Creek Aquifer	25.40	25.73	28.39	29.50	29.80	29.90	15.46	0.10
OW-08	Black Creek Aquifer	25.50	24.85	27.61	28.75	29.06	29.14	15.46	0.08
OW-15	Black Creek Aquifer	57.14	57.23	57.21	57.31	57.28	57.06	-0.15	0.22
OW-17	Black Creek Aquifer	32.90	32.87	32.90	33.17	32.82	32.72	10.81	0.10
OW-18	Black Creek Aquifer	46.42	46.44	46.56	46.43	46.25	46.71	1.90	0.46
OW-19	Black Creek Aquifer	26.48	25.83	28.36	29.53	29.78	29.67	17.01	0.11
OW-21	Black Creek Aquifer	26.50	25.75	28.68	30.08	30.43	30.51	15.00	0.08
OW-24	Black Creek Aquifer	26.97	26.15	27.54	28.27	28.43	28.54	15.19	0.11
OW-26	Black Creek Aquifer	39.08	40.15	41.05	42.33	42.07	41.99	12.85	0.08
OW-29	Black Creek Aquifer	44.64	43.90	43.68	44.69	44.43	44.27	14.87	0.16
OW-31	Black Creek Aquifer	40.60	39.98	40.08	40.55	40.02	39.79	20.28	0.23
OW-34	Surficial Aquifer	67.45	67.36	67.57	67.82	67.64	67.53	-5.50	0.11
OW-35	Surficial Aquifer	68.73	68.55	68.58	68.40	68.32	68.34	-2.67	0.02
OW-36	Surficial Aquifer	61.51	61.71	61.66	62.01	61.91	62.01	0.06	0.10
OW-37	Surficial Aquifer	57.38	57.27	57.30	57.02	56.61	56.79	N/A	0.18
OW-38	Black Creek Aquifer	61.22	61.28	61.45	61.82	61.89	61.90	0.03	0.01
OW-51	Black Creek Aquifer	26.21	25.17	26.36	27.14	27.45	27.61	N/A	0.16
Median (Black Creek Aquifer wells)		32.56	32.87	33.62	34.29	34.34	33.94	14.94	0.11
Median (Surficial Aquifer wells)		64.48	64.54	64.62	64.92	64.78	64.77	-2.67	0.10

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)*	*Aug 14 (0.41)*	*Jan 27 (0.00)*	*Feb 25 (0.07)*	*Mar 26 (0.45)*	*April 17 (0.00)*	*May 20 (0.00)*	*Jun 18 (0.00)*
		Aug 2 (0.00)	*Aug 15 (0.09)*	*Jan 28 (0.00)*	*Feb 26 (0.00)*	*Mar 27 (0.63)*	*Apr 18 (0.00)*	*May 21 (0.00)*	*Jun 19 (0.16)*
		Aug 3 (0.00)	*Aug 16 (0.00)*	*Jan 29 (0.08)*	*Feb 27 (0.00)*	*Mar 28 (0.28)*	*Apr 19 (0.00)*	*May 22 (0.00)*	*Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Observation Wells ≤200 ft Downgradient of Barrier Wall: 21 Wells									
OW-04/04R	Black Creek Aquifer	59.45	59.42	Well Abandoned; Replacement Well Installed July 31, 2023					
OW-09/09R	Black Creek Aquifer	59.61	59.57	Well Abandoned; Replacement Well Installed August 1, 2023					
OW-20	Black Creek Aquifer	46.34	46.24	46.53	41.54	39.35	37.91	38.39	38.49
OW-22	Black Creek Aquifer	43.95	43.89	44.50	40.94	37.53	37.36	38.41	38.55
OW-23	Black Creek Aquifer	43.27	43.18	43.86	39.75	36.73	35.88	38.31	38.36
OW-25	Black Creek Aquifer	41.95	41.90	42.52	39.00	36.50	35.77	38.62	38.36
OW-32	Black Creek Aquifer	Well Installed August 2, 2023							
OW-39	Black Creek Aquifer	Well Installed August 1, 2023							
OW-44	Black Creek Aquifer	36.51	36.31	36.28	36.94	36.34	37.41	36.06	35.28
OW-45	Black Creek Aquifer	44.39	44.20	44.78	45.24	40.05	39.93	39.10	38.82
OW-46	Black Creek Aquifer	46.28	46.20	46.59	41.41	38.85	37.88	38.35	38.50
OW-47	Black Creek Aquifer	43.84	43.72	44.33	40.45	36.98	37.05	38.18	38.32
OW-48	Black Creek Aquifer	43.11	43.06	43.69	39.33	36.40	35.29	38.24	38.27
OW-49	Black Creek Aquifer	42.13	42.06	42.67	38.83	36.23	35.42	38.43	38.34
OW-50	Black Creek Aquifer	41.42	41.35	42.01	41.78	35.37	36.17	39.50	39.33
OW-52	Black Creek Aquifer	Well Installed August 2, 2023							
OW-53	Black Creek Aquifer	Well Installed October 11, 2023							
PIW-4D	Black Creek Aquifer	43.59	43.45	43.90	46.26	39.89	39.88	38.90	38.65
PIW-5S/5SR	Surficial Aquifer	59.70	59.52	58.82	56.31	Replaced on April 12, 2023	54.13	53.15	53.37
PW-10R/10RR	Black Creek Aquifer	47.78	47.62	47.99	42.18	Replaced on April 12, 2023	41.20	38.52	38.39
PIW-10DR	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
Median (Black Creek Aquifer wells)		43.84	43.72	43.90	40.94	36.86	37.36	38.41	38.39
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells									
LTW-02	Black Creek Aquifer	42.97	42.80	43.50	45.36	40.01	39.97	38.94	38.71
LTW-03	Floodplain	38.05	37.93	39.27	38.48	36.95	37.85	36.70	36.40
LTW-05	Black Creek Aquifer	41.24	41.20	41.93	38.69	36.30	35.71	37.89	37.86
OW-16	Black Creek Aquifer	35.39	35.24	36.69	36.49	35.86	37.27	35.34	34.59
OW-27	Black Creek Aquifer	41.16	41.12	41.70	41.36	36.09	36.80	39.35	39.21
OW-28	Black Creek Aquifer	40.04	40.01	40.63	40.43	38.16	38.86	39.04	39.00
OW-30	Black Creek Aquifer	40.38	40.33	40.98	39.55	36.80	37.91	38.94	38.95
OW-33	Black Creek Aquifer	40.42	40.39	41.07	39.89	37.45	38.32	39.29	39.34
OW-40	Black Creek Aquifer	40.58	40.53	40.66	40.68	40.09	40.86	40.13	40.15
PIW-3D	Black Creek Aquifer	35.39	35.26	36.61	36.39	35.97	37.14	35.36	34.67
PIW-7S	Floodplain	42.28	42.16	43.03	39.55	36.56	35.79	37.74	37.80
PIW-7D	Black Creek Aquifer	43.18	43.10	43.78	39.98	36.96	36.36	38.38	38.45
PW-11	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
PZ-22	Black Creek Aquifer	43.24	43.15	43.81	40.36	37.28	36.89	38.21	38.37
Median (Black Creek Aquifer wells)		40.58	40.53	41.07	39.98	36.96	37.27	38.94	38.71

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)* *Ju1 18 (0.00)* *Jul 19 (0.00)*	*Aug. 15 (0.09)* *Aug. 16 (0.00)* *Aug. 17 (0.00)*	*Sep. 18 (0.00)* *Sept. 19 (0.00)* *Sept. 20 (0.00)*	*Oct. 27 (0.00)* *Oct 28. (0.00)* *Oct. 29 (0.00)*	*Nov. 25 (0.00)* *Nov. 26 (0.06)* *Nov. 27 (0.03)*	*Dec. 17 (3.34)* *Dec. 18 (0.04)* *Dec. 19 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**December 20 vs. January 30, 2023**	**December 20 vs November 28, 2023**
Observation Wells <200 ft Downgradient of Barrier Wall: 21 Wells									
OW-04/04R	Black Creek Aquifer	Replaced July 31, 2023	52.03	40.33	40.27	40.12	40.28	N/A	0.16
OW-09/09R	Black Creek Aquifer	Replaced August 1, 2023	40.33	40.33	40.27	40.12	40.28	N/A	0.16
OW-20	Black Creek Aquifer	39.03	38.44	38.57	38.04	37.75	38.23	8.30	0.48
OW-22	Black Creek Aquifer	39.08	38.58	38.63	38.12	37.83	38.23	6.27	0.40
OW-23	Black Creek Aquifer	38.80	38.28	38.33	37.83	37.64	38.19	5.67	0.55
OW-25	Black Creek Aquifer	38.36	37.89	37.99	37.61	37.54	38.47	4.05	0.93
OW-32	Black Creek Aquifer	Replaced August 2, 2023	38.45	38.75	39.03	38.49	38.27	N/A	0.22
OW-39	Black Creek Aquifer	Replaced August 1, 2023	40.36	40.42	40.32	40.20	40.35	N/A	0.15
OW-44	Black Creek Aquifer	35.38	34.63	34.18	33.79	33.58	33.69	2.59	0.11
OW-45	Black Creek Aquifer	39.78	38.50	38.85	38.07	38.01	39.10	5.68	1.09
OW-46	Black Creek Aquifer	39.03	38.42	38.55	37.95	37.75	38.22	8.37	0.47
OW-47	Black Creek Aquifer	38.87	38.32	38.38	37.87	37.58	37.99	6.34	0.41
OW-48	Black Creek Aquifer	38.64	38.13	38.17	37.74	37.55	38.12	5.57	0.57
OW-49	Black Creek Aquifer	38.36	37.88	37.99	37.61	37.54	38.43	4.24	0.89
OW-50	Black Creek Aquifer	39.48	39.00	39.13	38.75	38.60	39.20	2.81	0.60
OW-52	Black Creek Aquifer	Replaced August 2, 2023	38.01	38.06	37.56	37.26	37.69	N/A	0.43
OW-53	Black Creek Aquifer	Well Installed October 11, 2023			37.96	37.74	38.08	N/A	0.34
PIW-4D	Black Creek Aquifer	39.64	38.30	38.67	37.85	37.83	38.95	4.95	1.12
PIW-5S/5SR	Surficial Aquifer	53.54	53.25	53.30	Dry	Dry	Dry	N/A	N/A
PW-10R/10RR	Black Creek Aquifer	39.19	38.32	38.52	35.00	37.82	38.57	9.42	0.75
PIW-10DR	Black Creek Aquifer	Not Gauged (Interim Pumping)	41.50	41.31	41.05	40.62	41.31	N/A	0.17
Median (Black Creek Aquifer wells)		39.03	38.42	38.57	37.96	37.79	38.35	5.67	0.45
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells									
LTW-02	Black Creek Aquifer	39.67	38.31	38.71	37.89	37.89	39.13	4.37	1.24
LTW-03	Floodplain	36.53	36.05	35.91	35.80	35.55	36.03	3.24	0.48
LTW-05	Black Creek Aquifer	38.02	37.46	37.57	37.22	37.14	38.39	3.54	1.25
OW-16	Black Creek Aquifer	34.94	34.17	33.79	33.41	33.06	33.68	3.01	0.62
OW-27	Black Creek Aquifer	39.32	38.85	38.94	38.62	38.49	39.05	2.65	0.56
OW-28	Black Creek Aquifer	38.99	38.99	38.69	38.32	38.26	39.08	1.55	0.82
OW-30	Black Creek Aquifer	39.17	Not Gauged	38.87	38.64	38.52	Not Gauged	N/A	N/A
OW-33	Black Creek Aquifer	39.44	Not Gauged	39.17	38.97	38.87	Not Gauged	N/A	N/A
OW-40	Black Creek Aquifer	40.23	Not Gauged	40.08	40.00	39.88	Not Gauged	N/A	N/A
PIW-3D	Black Creek Aquifer	35.07	34.32	33.97	33.53	33.25	33.95	2.66	0.70
PIW-7S	Floodplain	38.28	37.61	37.77	37.22	37.10	37.79	5.24	0.69
PIW-7D	Black Creek Aquifer	38.88	38.33	38.42	37.95	37.73	38.31	5.47	0.58
PW-11	Black Creek Aquifer	Not Gauged (Interim Pumping)		40.61	40.51	40.37	40.56	N/A	0.19
PZ-22	Black Creek Aquifer	38.85	38.33	38.43	37.85	37.65	38.12	5.69	0.47
Median (Black Creek Aquifer wells)		38.99	38.32	38.70	38.14	38.08	38.39	3.28	0.62

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)*	*Aug 14 (0.41)*	*Jan 27 (0.00)*	*Feb 25 (0.07)*	*Mar 26 (0.45)*	*April 17 (0.00)*	*May 20 (0.00)*	*Jun 18 (0.00)*
		Aug 2 (0.00)	*Aug 15 (0.09)*	*Jan 28 (0.00)*	*Feb 26 (0.00)*	*Mar 27 (0.63)*	*Apr 18 (0.00)*	*May 21 (0.00)*	*Jun 19 (0.16)*
		Aug 3 (0.00)	*Aug 16 (0.00)*	*Jan 29 (0.08)*	*Feb 27 (0.00)*	*Mar 28 (0.28)*	*Apr 19 (0.00)*	*May 22 (0.00)*	*Jun 20 (1.11)*
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Mid-Commissioning**	**Post-Startup**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**February 28, 2023**	**March 29, 2023**	**April 20, 2023**	**May 23, 2023**	**June 21, 2023**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 11 Wells									
BCA-01	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
BCA-02	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
NAF-11B	Surficial Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
PIW-2D	Black Creek Aquifer	58.08	57.94	57.64	57.59	57.67	57.74	57.64	57.42
PW-02	Surficial Aquifer	87.27	87.00	85.32	85.09	84.85	84.73	84.40	83.13
PW-03	Surficial Aquifer	104.95	104.87	104.39	104.45	104.24	104.33	104.42	104.38
PW-04	Surficial Aquifer	68.40	68.33	67.49	68.36	68.55	68.55	68.72	68.43
PW-14	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
PW-15R	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)							
SMW-03B	Black Creek Aquifer	89.92	89.71	87.73	87.47	87.19	87.03	86.79	86.60
SMW-09	Surficial Aquifer	82.14	82.03	80.43	80.26	80.12	79.20	79.71	79.93
Median (Surficial Aquifer wells)		84.71	84.52	82.88	82.68	82.49	81.97	82.06	81.53
Median (Black Creek Aquifer wells)		74.00	73.83	72.69	72.53	72.43	72.39	72.22	72.01

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #4 (Oct- Dec. 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Jul 17 (0.00)* *Ju1 18 (0.00)* *Jul 19 (0.00)*	*Aug. 15 (0.09)* *Aug. 16 (0.00)* *Aug. 17 (0.00)*	*Sep. 18 (0.00)* *Sept. 19 (0.00)* *Sept. 20 (0.00)*	*Oct. 27 (0.00)* *Oct 28. (0.00)* *Oct. 29 (0.00)*	*Nov. 25 (0.00)* *Nov. 26 (0.06)* *Nov. 27 (0.03)*	*Dec. 17 (3.34)* *Dec. 18 (0.04)* *Dec. 19 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Monthly O&M	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		July 20, 2023	**August 18, 2023**	**September 21, 2023**	**October 30, 2023**	**November 28, 2023**	**December 20, 2023**	**December 20 vs. January 30, 2023**	**December 20 vs November 28, 2023**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 11 Wells									
BCA-01	Black Creek Aquifer	Not Gauged (Interim Pumping)		80.01	79.65	79.77	79.63	N/A	0.14
BCA-02	Black Creek Aquifer	Not Gauged (Interim Pumping)		Not Gauged	70.63	70.35	69.96	N/A	0.39
NAF-11B	Surficial Aquifer	Not Gauged (Interim Pumping)		Dry	Dry	Dry	Dry	N/A	N/A
PIW-2D	Black Creek Aquifer	57.34	57.29	57.19	56.94	56.78	57.04	0.60	0.26
PW-02	Surficial Aquifer	83.93	83.71	83.53	83.41	83.38	83.34	1.98	0.04
PW-03	Surficial Aquifer	104.35	102.09	Not Gauged	104.38	104.08	103.66	0.73	0.42
PW-04	Surficial Aquifer	69.13	69.45	70.79	70.10	69.28	68.77	-1.28	0.51
PW-14	Black Creek Aquifer	Not Gauged (Interim Pumping)		Not Gauged	81.55	81.42	81.25	N/A	0.17
PW-15R	Black Creek Aquifer	Not Gauged (Interim Pumping)		68.92	68.57	68.84	68.76	N/A	0.08
SMW-03B	Black Creek Aquifer	86.35	86.23	86.05	85.90	85.75	85.57	2.16	0.18
SMW-09	Surficial Aquifer	79.75	79.75	79.68	79.45	79.55	79.45	0.98	0.10
Median (Surficial Aquifer wells)		81.84	81.73	79.68	81.43	81.47	81.40	0.86	0.26
Median (Black Creek Aquifer wells)		71.85	71.76	74.47	75.14	75.06	74.80	1.38	0.17

Notes:
1 - As noted above, wells OW-30, OW-33, OW-40, and OW-56 were not gauged in the December 20 event. This was because access to OW-30, OW-33, and OW-40 at the William O. Huske Lock and Dam was not feasible and the OW-56 area was flooded.

2 - For comparison and calculation of head differentials, elevation data for replacement wells (OW-04R, OW-09R, PIW-5SR, and PW-10RR) has been merged with the corresponding original wells. Since the replacement wells were not installed in exactly the same location as the originals, some spatial variation might exist.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	LTW-01				LTW-02				LTW-03				LTW-04			
	CAP1Q23-LTW-01-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-01-051723 Sample Date: 17-May-23	CAP3Q23-LTW-01-071323 Sample Date: 13-Jul-23	CAP4Q23-LTW-01-110323 Sample Date: 3-Nov-23	CAP1Q23-LTW-02-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-02-051723 Sample Date: 17-May-23	CAP3Q23-LTW-02-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-02-110323 Sample Date: 3-Nov-23	CAP1Q23-LTW-03-022123 Sample Date: 21-Feb-23	CAP2Q23-LTW-03-052323 Sample Date: 23-May-23	CAP3Q23-LTW-03-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-03-111323 Sample Date: 13-Nov-23	CAP1Q23-LTW-04-021723 Sample Date: 17-Feb-23	CAP2Q23-LTW-04-052323 Sample Date: 23-May-23	CAP3Q23-LTW-04-071123 Sample Date: 11-Jul-23	CAP4Q23-LTW-04-110223 Sample Date: 2-Nov-23
Hfpo Dimer Acid	**18,000**	**18,000**	**8,500**	**15,000**	**2,800**	**7,000**	**6,800 J**	**9,800**	**11,000**	**10,000**	**8,600**	**5,800 J**	**18,000**	**19,000**	**9,800 J**	**17,000**
PFMOAA	**23,000**	**21,000**	**27,000**	**24,000**	**9,300**	**17,000**	**31,000**	**27,000**	**120,000**	**120,000**	**140,000 J**	**110,000 J**	**55,000**	**55,000**	**57,000 J**	**61,000**
PFO2HxA	**23,000**	**21,000**	**28,000**	**25,000**	**4,800**	**10,000**	**22,000**	**21,000**	**34,000**	**41,000**	**49,000 J**	**24,000 J**	**23,000**	**28,000**	**29,000**	**26,000**
PFO3OA	**5,700**	**5,300**	**6,400**	**5,700**	**1,100**	**1,900**	**3,700**	**4,100**	**5,800**	**6,700**	**7,600**	**5,900**	**4,400**	**5,200**	**5,200**	**5,300**
PFO4DA	**1,300**	**1,500**	**1,600**	**1,300**	**86**	**120**	**180**	**160**	**200**	**220**	**230**	**240**	**630**	**620**	**780**	**650**
PFO5DA	**170**	**170**	**200**	**210**	<78	<78	<2.0	<100	<78	<78	<2.0	<2.0	<78	<78	**26**	<100
PMPA	**16,000**	**16,000**	**19,000**	**18,000**	**1,800**	**5,700**	**11,000**	**11,000**	**14,000**	**15,000**	**16,000**	**18,000**	**17,000**	**16,000**	**20,000**	**17,000**
PEPA	**5,900**	**5,700**	**7,200**	**6,200**	**580**	**1,800**	**3,600**	**3,500**	**3,400**	**3,500**	**3,600**	**3,700**	**6,400**	**6,000**	**6,900**	**6,100**
PS Acid	<20	<20	<2.0	<40	<20	<20	<2.0	<40	<20	<20	<2.0	<2.0	<20	<20	**5**	<40
Hydro-PS Acid	**310**	**300**	**280**	**280**	<6.1	**15**	**17**	<44	<6.1	**28**	**26**	**26**	**170**	**210**	**190**	**180**
R-PSDA	**960 J**	<71	**940 J**	**790 J**	<71	<71	**620 J**	**520 J**	**1,000 J**	**950 J**	**900 J**	**870 J**	**2,000 J**	**1,700 J**	**1,700 J**	**1,700 J**
Hydrolyzed PSDA	**560 J**	**690 J**	**760 J**	**590 J**	**270 J**	<38	**1,300 J**	**1,500 J**	**7,100 J**	**5,800 J**	**5,900 J**	**6,500 J**	**4,200 J**	**2,300 J**	**3,000 J**	**3,800 J**
R-PSDCA	<17	<17	**6.9**	<140	<17	<17	<3.0	<140	<17	<17	<3.0	<3.0	<17	<17	**12**	<140
NVHOS, Acid Form	**390**	**440**	**320**	**430**	**160**	**300**	**320**	**410**	**1,300**	**1,300**	**1,900**	**1,400**	**1,300**	**1,200**	**1,400**	**1,100**
EVE Acid	<17	<17	<2.0	<40	<17	<17	<2.0	<40	<17	<17	<2.0	<2.0	<17	<17	<2.0	<40
Hydro-EVE Acid	**160**	**140**	**150**	**140**	<14	**38**	**39**	**42**	**71**	**64**	**63**	**56**	**500**	**390**	**540**	**470**
R-EVE	**550 J**	**580 J**	**560 J**	**530 J**	<72	<72	**260 J**	**410 J**	**520 J**	**430 J**	**150 J**	**180 J**	**2,000 J**	**1,500 J**	**1,300 J**	**1,700 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<2.0	<29	<6.7	<6.7	<2.0	<29	<6.7	<6.7	**6.1**	**6**	<6.7	<6.7	**8.2**	<29
PFECA B	<27	<27	<2.0	<62	<27	<27	<2.0	<62	<27	<27	<2.0	<2.0	<27	<27	<2.0	<62
PFECA-G	<48	<48	<2.0	<29	<48	<48	<2.0	<29	<48	<48	<2.0	<2.0	<48	<48	<2.0	<29
PFPrA	--	--	**14,000**	**14,000**	--	--	**11,000**	**13,000**	--	--	**37,000**	**38,000 J**	--	--	**29,000**	**30,000**
Total Table 3+ (17 compounds)[2,3]	**93,900**	**89,600**	**98,700**	**96,300**	**20,600**	**43,900**	**78,700**	**77,000**	**190,000**	**198,000**	**227,000**	**169,000**	**126,000**	**132,000**	**131,000**	**135,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**113,000**	**110,000**	--	--	**89,700**	**90,000**	--	--	**264,000**	**207,000**	--	--	**160,000**	**165,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**115,000**	**112,000**	--	--	**91,800**	**92,400**	--	--	**271,000**	**215,000**	--	--	**166,000**	**172,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	LTW-05				OW-28				OW-33				PIW-1D			
	CAP1Q23-LTW-05-021523 Sample Date: 15-Feb-23	CAP2Q23-LTW-05-052223 Sample Date: 22-May-23	CAP3Q23-LTW-05-071123 Sample Date: 11-Jul-23	CAP4Q23-LTW-05-110223 Sample Date: 2-Nov-23	CAP1Q23-OW-28-022023 Sample Date: 20-Feb-23	CAP2Q23-OW-28-052523 Sample Date: 25-May-23	CAP3Q23-OW-28-071123 Sample Date: 11-Jul-23	CAP4Q23-OW-28-110223 Sample Date: 2-Nov-23	CAP1Q23-OW-33-021423 Sample Date: 14-Feb-23	CAP2Q23-OW-33-051823 Sample Date: 18-May-23	CAP3Q23-OW-33-071223 Sample Date: 12-Jul-23	CAP4Q23-OW-33-110223 Sample Date: 2-Nov-23	CAP1Q23-PIW-1D-021623 Sample Date: 16-Feb-23	CAP2Q23-PIW-1D-052323 Sample Date: 23-May-23	CAP3Q23-PIW-1D-080223 Sample Date: 2-Aug-23	CAP4Q23-PIW-1D-110723 Sample Date: 7-Nov-23
Hfpo Dimer Acid	**18,000**	**19,000 J**	**9,000**	**18,000**	**4,800**	**4,800**	**4,400**	**4,400**	**5,300**	**5,000**	**4,000**	**4,900**	**9,800**	**9,900**	**9,200 J**	**8,800**
PFMOAA	**120,000**	**130,000 J**	**120,000 J**	**170,000**	**1,500**	**1,900**	**1,600**	**1,600**	**7,900**	**8,400**	**11,000**	**9,800**	**12,000**	**12,000**	**11,000 J**	**9,900**
PFO2HxA	**36,000**	**48,000 J**	**41,000 J**	**58,000**	**2,500**	**3,500**	**3,400**	**3,100**	**4,700**	**4,300**	**6,500**	**5,900**	**8,800**	**11,000**	**9,900 J**	**12,000**
PFO3OA	**8,300**	**11,000 J**	**9,500**	**14,000**	**510**	**670**	**550**	**680**	**810**	**840**	**1,100**	**1,100**	**1,500**	**1,700**	**1,600**	**1,700**
PFO4DA	**2,100**	**2,100 J**	**2,000**	**1,900**	**110**	**83**	**94**	**120**	<59	<59	71	**66**	**430**	**440**	**410**	**430**
PFO5DA	<78	<78 UJ	<2.0	<100	<78	<78	<2.0	<100	<78	<78	<2.0	<100	<78	<78	<100	<100
PMPA	**4,000**	**4,600 J**	**4,200**	**5,500**	**5,000**	**6,400**	**5,200**	**6,000**	**4,800**	**5,200**	**6,100**	**6,000**	**7,800**	**9,000**	**9,600 J**	**8,600**
PEPA	**620**	**530 J**	**440**	**510**	**1,900**	**2,500**	**1,800**	**2,200**	**2,000**	**1,800**	**2,300**	**2,200**	**2,600**	**3,000**	**3,200**	**3,100**
PS Acid	<20	<20 UJ	<2.0	<40	<20	<20	<2.0	<40	<20	<20	**8**	<40	<20	<20	<40	<40
Hydro-PS Acid	**190**	**190 J**	**200**	**200**	**75**	**74**	**75**	**75**	**29**	**53**	**43**	<44	**87**	**98**	**86**	**76**
R-PSDA	**490 J**	**670 J**	**500 J**	**950 J**	**340 J**	**310 J**	**250 J**	**230 J**	**280 J**	<71	**290 J**	**250 J**	**330 J**	**380 J**	**370 J**	**320 J**
Hydrolyzed PSDA	**880 J**	**1,100 J**	**950 J**	**1,900 J**	<38	<38	**2.2 J**	<27 UJ	<38	<38	**58 J**	**61 J**	<38	<38	<27	<27
R-PSDCA	**19**	<17 UJ	**17**	<140	<17	<17	<3.0	<140	<17	<17	<3.0	<140	<17	<17	<140	<140
NVHOS, Acid Form	**1,100**	**1,300 J**	**1,000**	**1,500**	**110**	<15	**31**	<130	**170**	**240**	**130**	**140**	**190**	**160**	**150 J**	**140**
EVE Acid	<17	<17 UJ	<2.0	<40	<17	<17	<2.0	<40	<17	<17	<2.0	<40	<17	<17	<40	<40
Hydro-EVE Acid	**750**	**720 J**	**720**	**770**	<14	<14	**5.1**	<24	<14	<14	**14**	<24	**31**	<14	**29**	**28**
R-EVE	**610 J**	**760 J**	**610 J**	**1,200 J**	**190 J**	**180 J**	**380 J**	**140 J**	**130 J**	<72	**220 J**	**170 J**	**190 J**	**200 J**	**280 J**	**220 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7 UJ	**11**	<29	<6.7	<6.7	<2.0	<29	<6.7	<6.7	<2.0	<29	<6.7	<6.7	<29	<29
PFECA B	<27	<27 UJ	<2.0	<62	<27	<27	<2.0	<62	<27	<27	<2.0	<62	<27	<27	<62	<62
PFECA-G	<48	<48 UJ	<2.0	<29	<48	<48	<2.0	<29	<48	<48	<2.0	<29	<48	<48	<29	<29
PFPrA	**--**	**--**	**52,000 J**	**68,000**	**--**	**--**	**3,500**	**3,500**	**--**	**--**	**5,400**	**6,000**	**--**	**--**	**7,800**	**7,500**
Total Table 3+ (17 compounds)[2,3]	**191,000**	**217,000**	**188,000**	**270,000**	**16,500**	**19,900**	**17,200**	**18,200**	**25,700**	**25,800**	**31,300**	**30,100**	**43,200**	**47,300**	**45,200**	**44,800**
Total Table 3+ (18 compounds)[2,4]	**--**	**--**	**240,000**	**338,000**	**--**	**--**	**20,700**	**21,700**	**--**	**--**	**36,700**	**36,100**	**--**	**--**	**53,000**	**52,300**
Total Table 3+ (21 compounds)[2,5]	**--**	**--**	**242,000**	**342,000**	**--**	**--**	**21,300**	**22,000**	**--**	**--**	**37,200**	**36,600**	**--**	**--**	**53,600**	**52,800**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	PIW-1S				PIW-3D				PIW-7D				PIW-7S			
	CAP1Q23-PIW-1S-021623 Sample Date: 16-Feb-23	**Not Sampled in 2Q 2023 (Dry)**	**Not Sampled in 3Q 2023 (Dry)**	**Not Sampled in 4Q 2023 (Dry)**	**CAP1Q23-PIW-3D-021623** Sample Date: 16-Feb-23	**CAP2Q23-PIW-3D-051723** Sample Date: 17-May-23	**CAP3Q23-PIW-3D-071323** Sample Date: 13-Jul-23	**CAP4Q23-PIW-3D-110323** Sample Date: 3-Nov-23	**CAP1Q23-PIW-7D-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7D-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7D-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7D-110223** Sample Date: 2-Nov-23	**CAP1Q23-PIW-7S-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7S-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7S-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7S-110223** Sample Date: 2-Nov-23
Hfpo Dimer Acid	**7,400**	--	--	--	**12,000**	**12,000**	**9,700**	**12,000**	**17,000**	**8,800 J**	**9,600 J**	**13,000**	**15,000**	**12,000 J**	**8,000**	**12,000**
PFMOAA	**2,000**	--	--	--	**9,400**	**8,500**	**13,000**	**19,000**	**140,000**	**130,000 J**	**140,000 J**	**150,000**	**18,000**	**16,000 J**	**15,000**	**17,000**
PFO2HxA	**4,700**	--	--	--	**12,000**	**10,000**	**16,000**	**19,000**	**47,000**	**37,000 J**	**42,000 J**	**43,000**	**13,000**	**12,000 J**	**11,000**	**12,000**
PFO3OA	**900**	--	--	--	**2,200**	**2,100**	**3,100**	**4,000**	**9,200**	**5,900 J**	**6,800**	**6,100**	**5,100**	**3,800 J**	**2,800**	**4,300**
PFO4DA	**440**	--	--	--	**940**	**800**	**890**	**1,200**	**1,700**	**1,100 J**	**890**	**1,000**	**660**	**440 J**	**350**	**420**
PFO5DA	<78	--	--	--	**130**	<78	**160**	**200**	<78	<78 UJ	<2.0	<100	<78	<78 UJ	**19**	<100
PMPA	**4,400**	--	--	--	**9,500**	**8,800**	**12,000**	**13,000**	**5,100**	**4,500 J**	**4,300**	**5,200**	**11,000**	**7,900 J**	**6,900**	**9,200**
PEPA	**1,900**	--	--	--	**3,700**	**3,400**	**4,500**	**4,700**	**1,100**	**950 J**	**950**	**1,000**	**4,500**	**3,300 J**	**2,500**	**3,400**
PS Acid	<20	--	--	--	<20	<20	<2.0	<40	<20	<20 UJ	<2.0	<40	<20	<20 UJ	<2.0	<40
Hydro-PS Acid	**210**	--	--	--	**240**	**200**	**240**	**290**	**180**	**98 J**	**110**	**110**	**340**	**270 J**	**220**	**250**
R-PSDA	<71	--	--	--	**520 J**	<71	**610 J**	**750 J**	**710 J**	**470 J**	**460 J**	**510 J**	**1,200 J**	**960 J**	**710 J**	**910 J**
Hydrolyzed PSDA	<38	--	--	--	<38	<38	**15 J**	**300 J**	**1,200 J**	**740 J**	**890 J**	**1,100 J**	<38	**63 J**	**110 J**	**60 J**
R-PSDCA	<17	--	--	--	<17	<17	**4.7**	<140	<17	<17 UJ	**7.3**	<140	<17	<17 UJ	**5.4**	<140
NVHOS, Acid Form	<15	--	--	--	**190**	**290**	**170**	**310**	**1,200**	**990 J**	**1,100**	**1,200**	**830**	**630 J**	**520**	**690**
EVE Acid	<17	--	--	--	<17	<17	<2.0	<40	<17	<17 UJ	<2.0	<40	<17	<17 UJ	<2.0	<40
Hydro-EVE Acid	**62**	--	--	--	**72**	**70**	**74**	**100**	**610**	**330 J**	**360**	**360**	**650**	**460 J**	**360**	**430**
R-EVE	**180 J**	--	--	--	**220 J**	<72	**280 J**	**420 J**	**870 J**	**550 J**	**560 J**	**680 J**	**1,400 J**	**1,000 J**	**820 J**	**1,200 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	--	--	--	<6.7	<6.7	<2.0	<29	**12**	<6.7 UJ	**8.5**	<29	<6.7	<6.7 UJ	**3.3**	<29
PFECA B	<27	--	--	--	<27	<27	<2.0	<62	<27	<27 UJ	<2.0	<62	<27	<27 UJ	<2.0	<62
PFECA-G	<48	--	--	--	<48	<48	<2.0	<29	<48	<48 UJ	<2.0	<29	<48	<48 UJ	<2.0	<29
PFPrA	--	--	--	--	--	--	**11,000**	**13,000**	--	--	**49,000 J**	**52,000**	--	--	**9,700**	**12,000**
Total Table 3+ (17 compounds)[2,3]	**22,000**	--	--	--	**50,400**	**46,200**	**59,800**	**73,800**	**223,000**	**190,000**	**206,000**	**221,000**	**69,100**	**56,800**	**47,700**	**59,700**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	--	--	**70,800**	**86,800**	--	--	**255,000**	**273,000**	--	--	**57,400**	**71,700**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	--	--	**71,700**	**88,300**	--	--	**257,000**	**275,000**	--	--	**59,000**	**73,900**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)											
	PW-04				PZ-22				SMW-12			
	CAP1Q23-PW-04-022323 Sample Date: 23-Feb-23	CAP2Q23-PW-04-052523 Sample Date: 25-May-23	CAP3Q23-PW-04-072823 Sample Date: 28-Jul-23	CAP4Q23-PW-04-110923 Sample Date: 9-Nov-23	CAP1Q23-PZ-22-022023 Sample Date: 20-Feb-23	CAP2Q23-PZ-22-052323 Sample Date: 23-May-23	CAP3Q-PZ-22-071123 Sample Date: 11-Jul-23	CAP4Q23-PZ-22-110223 Sample Date: 2-Nov-23	CAP1Q23-SMW-12-023323 Sample Date: 23-Feb-23	CAP2Q23-SMW-12-051723 Sample Date: 17-May-23	CAP3Q23-SMW-12-071823 Sample Date: 18-Jul-23	CAP4Q23-SMW-12-110823 Sample Date: 8-Nov-23
Hfpo Dimer Acid	**730**	**980**	**950**	**670**	**13,000**	**12,000**	**7,300 J**	**11,000**	**1,500**	**1,900**	**2,200**	**1,900**
PFMOAA	**300**	**490**	**380**	**300**	**140,000**	**150,000**	**140,000**	**170,000**	**2,900**	**5,100**	**5,800**	**8,300**
PFO2HxA	**640**	**1,100**	**1,000**	**930**	**38,000**	**49,000**	**50,000**	**47,000**	**1,200**	**1,900**	**3,500**	**4,200**
PFO3OA	**330**	**520**	**520**	**340**	**3,600**	**5,400**	**4,800**	**5,400**	**78**	**150**	**230**	**420**
PFO4DA	**63**	**95**	**120**	**100**	**120**	**270**	**240**	**210**	<59	<59	<36	<40
PFO5DA	<78	<78	<100	<100	<78	<78	<2.0	<100	<78	<78	<91	<100
PMPA	**860**	**1,200**	**1,200**	**950**	**5,000**	**6,200**	**6,100**	**6,700**	**2,300**	**2,900**	**2,600**	**1,700**
PEPA	**330**	**440**	**480**	**320**	**1,200**	**1,500**	**1,600**	**1,500**	**460**	**550**	**620**	**340**
PS Acid	<20	<20	<40	<40	<20	<20	**3.1**	<40	<20	<20	<36	<40
Hydro-PS Acid	**22**	<6.1	<44	<44	**28**	**36**	**35**	<44	<6.1	<6.1	<40	<44
R-PSDA	**160 J**	**150 J**	**78 J**	<28	**540 J**	**560 J**	**540 J**	**510 J**	**150 J**	<71	**87 J**	**76 J**
Hydrolyzed PSDA	<38	<38	<27	<27	**890 J**	**1,000 J**	**1,100 J**	**1,600 J**	<38	<38	<25	<27
R-PSDCA	<17	<17	<140	<140	<17	<17	**3.2**	<140	<17	<17	<130	<140
NVHOS, Acid Form	<15	<15	<130	<130	**1,100**	**1,300**	**1,500**	**1,200**	48	<15	<120	<130
EVE Acid	<17	<17	<40	<40	<17	<17	<2.0	<40	<17	<17	<36	<40
Hydro-EVE Acid	<14	<14	<24	<24	**46**	**84**	**79**	**73**	<14	<14	<22	<24
R-EVE	<72	**86 J**	**49 J**	**66 J**	**450 J**	**430 J**	**220 J**	**420 J**	**97 J**	<72	**69 J**	**67 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<29	<29	<6.7	<6.7	**6.3**	<29	<6.7	<6.7	<26	<29
PFECA B	<27	<27	<62	<62	<27	<27	<2.0	<62	<27	<27	<56	<62
PFECA-G	<48	<48	<29	<29	<48	<48	<2.0	<29	<48	<48	<26	<29
PFPrA	**--**	**--**	**900**	**960**	**--**	**--**	**48,000**	**51,000**	**--**	**--**	**3,900**	**4,600**
Total Table 3+ (17 compounds)[2,3]	**3,280**	**4,830**	**4,650**	**3,610**	**202,000**	**226,000**	**212,000**	**243,000**	**8,490**	**12,500**	**15,000**	**16,900**
Total Table 3+ (18 compounds)[2,4]	**--**	**--**	**5,550**	**4,570**	**--**	**--**	**260,000**	**294,000**	**--**	**--**	**18,900**	**21,500**
Total Table 3+ (21 compounds)[2,5]	**--**	**--**	**5,680**	**4,640**	**--**	**--**	**262,000**	**297,000**	**--**	**--**	**19,000**	**21,600**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)[4]							
	OW-4R	OW-30		OW-32	OW-37	OW-40		OW-51
	CAP3Q23-OW-4R-080423 Sample Date: 4-Aug-23	CAP1Q23-OW-30-021523 Sample Date: 15-Feb-23	CAP3Q23-OW-30-071323 Sample Date: 13-Jul-23	CAP3Q23-OW-32-090823 Sample Date: 8-Sep-23	CAP3Q23-OW-37-081023 Sample Date: 10-Aug-23	CAP1Q23-OW-40-021523 Sample Date: 15-Feb-23	CAP3Q23-OW-40-071323 Sample Date: 13-Jul-23	CAP3Q23-OW-51-080323 Sample Date: 3-Aug-23
Hfpo Dimer Acid	**11,000**	**9,500**	**6,200**	**580**	**4,000 J**	**5,200**	**3,300**	**33,000**
PFMOAA	**42,000**	**32,000**	**27,000**	**1,800**	**15,000 J**	**6,900**	**7,000**	**140,000**
PFO2HxA	**17,000**	**12,000**	**11,000**	**790**	**5,900 J**	**4,200**	**4,700**	**64,000**
PFO3OA	**5,400**	**2,100**	**1,700**	**130**	**2,600 J**	**1,100**	**1,400**	**23,000**
PFO4DA	**1,800**	<59	**8.9**	<40	**3,900 J**	**130**	**170**	**4,800**
PFO5DA	<100	<78	<2.0	<100	**140 J**	<78	<2.0	<100
PMPA	**8,600**	**4,300**	**4,400**	**260**	**2,000 J**	**4,300**	**4,400**	**9,400**
PEPA	**2,700**	**1,300**	**1,300**	**83**	**580 J**	**1,600**	**1,900**	**1,900**
PS Acid	<40	<20	<2.0	<40	<40 UJ	<20	<2.0	<40
Hydro-PS Acid	**290**	<6.1	<2.0	<44	**370 J**	**35**	**44**	**660**
R-PSDA	**760 J**	**460 J**	**330 J**	**44 J**	**1,500 J**	<71	**200 J**	**1,900 J**
Hydrolyzed PSDA	**3,100 J**	**760 J**	**570 J**	**100 J**	**1,200 J**	**160 J**	**130 J**	**4,300 J**
R-PSDCA	<140	<17	<3.0	<140	<140 UJ	<17	<3.0	<140
NVHOS, Acid Form	**580**	**370**	**220**	<130	**170 J**	**130**	**90**	**1,800**
EVE Acid	<40	<17	<2.0	<40	<40 UJ	<17	<2.0	<40
Hydro-EVE Acid	**1,100**	**24**	**12**	<24	**120 J**	**94**	**99**	**2,400**
R-EVE	**630 J**	**410 J**	**290 J**	**36 J**	**390 J**	**170 J**	**240 J**	**2,600 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<6.7	<2.0	<29	<29 UJ	<6.7	<2.0	<29
PFECA B	<62	<27	<2.0	<62	<62 UJ	<27	<2.0	<62
PFECA-G	<29	<48	<2.0	<29	<29 UJ	<48	<2.0	<29
PFPrA	**17,000**	**--**	**12,000**	**640**	**5,200 J**	**--**	**3,700**	**60,000**
Total Table 3+ (17 compounds)[2,3]	**90,500**	**61,600**	**51,800**	**3,640**	**34,800**	**23,700**	**23,100**	**281,000**
Total Table 3+ (18 compounds)[2,4]	**107,000**	**--**	**63,800**	**4,280**	**40,000**	**--**	**26,800**	**341,000**
Total Table 3+ (21 compounds)[2,5]	**112,000**	**--**	**65,000**	**4,460**	**43,100**	**--**	**27,400**	**350,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
6 - Wells OW-4R, OW-32, OW-37, and OW-51 were installed between late June 2023 and August 2023, so were unavailable for sampling before 3Q 2023.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)							
	OW-54		OW-55		OW-56		OW-57	
	CAP1Q23-OW-54-021623 Sample Date: 16-Feb-23	**Not Sampled in 3Q 2023 (Dry)**	**CAP1Q23-OW-55-021623** Sample Date: 16-Feb-23	**CAP3Q23-OW-55-072523** Sample Date: 25-Jul-23	**CAP1Q23-OW-56-022123** Sample Date: 21-Feb-23	**CAP3Q23-OW-56-073123** Sample Date: 31-Jul-23	**CAP1Q23-OW-57-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-57-073123** Sample Date: 31-Jul-23
Hfpo Dimer Acid	**4,500**	--	**1,800**	**1,800**	**4,200**	**3,300**	**11,000**	**11,000**
PFMOAA	**360**	--	**220**	**300**	**350**	**520**	**130,000**	**130,000**
PFO2HxA	**2,600**	--	**690**	**940**	**1,800**	**2,100**	**36,000**	**37,000**
PFO3OA	**410**	--	**58**	<89	**200**	**260**	**8,600**	**7,700**
PFO4DA	**230**	--	<59	<40	<59	<40	**1,100**	**1,000**
PFO5DA	<78	--	<78	<100	<78	<100	<78	<100
PMPA	**2,600**	--	**2,800**	**3,800**	**2,600**	**2,800**	**22,000**	**21,000**
PEPA	**1,000**	--	**740**	**890**	**990**	**1,100**	**5,100**	**4,700**
PS Acid	<20	--	<20	<40	<20	<40	**770**	**360**
Hydro-PS Acid	**120**	--	<6.1	<44	**120**	**150**	**220**	**260**
R-PSDA	<71	--	<71	**140 J**	**310 J**	**150 J**	**970 J**	**1,200 J**
Hydrolyzed PSDA	<38	--	<38	<27	<38	<27	**16,000 J**	**14,000 J**
R-PSDCA	<17	--	<17	<140	<17	<140	**17**	<140
NVHOS, Acid Form	<15	--	<15	<130	**110**	<130	**2,000**	**2,400**
EVE Acid	<17	--	<17	<40	<17	<40	<17	<40
Hydro-EVE Acid	<14	--	<14	<24	<14	<24	**200**	**210**
R-EVE	<72	--	**160 J**	**180 J**	**190 J**	**120 J**	**240 J**	**180 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	--	<6.7	<29	<6.7	<29	<6.7	<29
PFECA B	<27	--	<27	<62	<27	<62	<27	<62
PFECA-G	<48	--	<48	<29	<48	<29	<48	<29
PFPrA	--	--	--	**1,800**	--	**1,400**	--	**28,000**
Total Table 3+ (17 compounds)[2,3]	**11,800**	--	**6,310**	**7,730**	**10,400**	**10,200**	**217,000**	**216,000**
Total Table 3+ (18 compounds)[2,4]	--	--	--	**9,530**	--	**11,600**	--	**244,000**
Total Table 3+ (21 compounds)[2,5]	--	--	--	**9,850**	--	**11,900**	--	**259,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)									
	PIW-4D	**PIW-5SR**	**PIW-6S**	**PIW-8D**	**PIW-10DR**	**PIW-10S**	**PIW-11**	**PIW-15**	**PW-10RR**	**PW-11**
	CAP3Q23-PIW-4D-071323 Sample Date: 13-Jul-23	**CAP3Q23-PIW-5SR-080423** Sample Date: 4-Aug-23	**CAP3Q23-PIW-6S-071223** Sample Date: 12-Jul-23	**CAP3Q23-PIW-8D-071123** Sample Date: 11-Jul-23	**CAP3Q23-PIW-10DR-071423** Sample Date: 14-Jul-23	**CAP3Q23-PIW-10S-071323** Sample Date: 13-Jul-23	**CAP3Q23-PIW-11-073123** Sample Date: 31-Jul-23	**CAP3Q23-PIW-15-072523** Sample Date: 25-Jul-23	**CAP3Q23-PW-10RR-080323** Sample Date: 3-Aug-23	**CAP3Q23-PW-11-070723** Sample Date: 7-Jul-23
Hfpo Dimer Acid	**140**	**24,000**	**8,400**	**12,000 J**	**6,600**	**3,800**	**3,500**	**7,800**	**6,700**	**6,900**
PFMOAA	**1,300**	**44,000**	**150,000 J**	**72,000 J**	**51,000 J**	**3,700**	**1,600**	**8,700**	**93,000**	**54,000 J**
PFO2HxA	**470**	**28,000**	**61,000 J**	**34,000 J**	**19,000**	**4,400**	**2,600**	**7,000**	**26,000**	**28,000**
PFO3OA	**47**	**7,000**	**5,500**	**14,000**	**5,800**	**800**	**420**	**1,200**	**1,300**	**7,300**
PFO4DA	<2.0	**2,200**	**200**	**2,300**	**1,500**	**340**	**46**	**65**	<40	**4,500**
PFO5DA	<2.0	**690**	<2.0	<2.0	**4.0**	**6.8**	<100	<100	<100	**1,600**
PMPA	**150**	**32,000**	**16,000**	**8,600**	**6,600**	**4,500**	**3,100**	**8,400**	**4,400**	**7,800**
PEPA	**37**	**15,000**	**3,400**	**2,500**	**2,400**	**2,100**	**1,000**	**2,400**	**590**	**2,200**
PS Acid	<2.0	**40**	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	**1,400**
Hydro-PS Acid	<2.0	**140**	**25**	**350**	**210**	**67**	<44	<44	<44	**840**
R-PSDA	**8.9 J**	**1,600 J**	**820 J**	**1,000 J**	**690 J**	**160 J**	**240 J**	**250 J**	**180 J**	**850 J**
Hydrolyzed PSDA	**25 J**	**1,700 J**	**4,100 J**	**2,600 J**	**2,700 J**	<2.0	**1,500 J**	<27	**220 J**	**7,900 J**
R-PSDCA	<3.0	<140	<3.0	**25**	**9.9**	<3.0	<140	<140	<140	**24**
NVHOS, Acid Form	**11**	**640**	**1,800**	**1,100**	**390**	**62**	<130	**130**	**850**	**850**
EVE Acid	<2.0	<40	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	**47**
Hydro-EVE Acid	<2.0	**190**	**54**	**1,200**	**910**	**14**	<24	<24	<24	**620**
R-EVE	**6.2 J**	**1,300 J**	**230 J**	**1,300 J**	**250 J**	**230 J**	**130 J**	**200 J**	**240 J**	**360 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<29	**7.1**	**13**	**3.9**	<2.0	<29	<29	<29	<2.0
PFECA B	<2.0	<62	<2.0	<2.0	<2.0	<2.0	<62	<62	<62	<2.0
PFECA-G	<2.0	<29	<2.0	<2.0	<2.0	<2.0	<29	<29	<29	<2.0
PFPrA	**550**	**29,000**	**50,000 J**	**34,000**	**17,000**	**3,100**	**2,000**	**9,000**	**39,000**	**17,000**
Total Table 3+ (17 compounds)[2,3]	**2,160**	**154,000**	**246,000**	**148,000**	**94,400**	**19,800**	**12,300**	**35,700**	**133,000**	**116,000**
Total Table 3+ (18 compounds)[2,4]	**2,710**	**183,000**	**296,000**	**182,000**	**111,000**	**22,900**	**14,300**	**44,700**	**172,000**	**133,000**
Total Table 3+ (21 compounds)[2,5]	**2,750**	**188,000**	**302,000**	**187,000**	**115,000**	**23,300**	**16,100**	**45,100**	**172,000**	**142,000**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**Corrective Action Plan Sampling Program (Annually)**		
	PIW-12	**PIW-13**	**PIW-14**
	CAP3Q23-PIW-12-072423 Sample Date: 24-Jul-23	**CAP3Q23-PIW-13-072423** Sample Date: 24-Jul-23	**CAP3Q23-PIW-14-072423** Sample Date: 24-Jul-23
Hfpo Dimer Acid	**1,800**	**3,100**	**6,200**
PFMOAA	**490**	**520**	**1,000**
PFO2HxA	**1,200**	**2,100**	**3,800**
PFO3OA	**190**	**250**	**520**
PFO4DA	**41**	<40	**160**
PFO5DA	<100	<100	<100
PMPA	**2,300**	**4,200**	**5,000**
PEPA	**640**	**1,100**	**1,600**
PS Acid	<40	<40	<40
Hydro-PS Acid	<44	<44	<44
R-PSDA	**130 J**	**260 J**	**310 J**
Hydrolyzed PSDA	<27	<27	<27
R-PSDCA	<140	<140	<140
NVHOS, Acid Form	<130	<130	<130
EVE Acid	<40	<40	<40
Hydro-EVE Acid	<24	<24	<24
R-EVE	**130 J**	**260 J**	**230 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<29	<29
PFECA B	<62	<62	<62
PFECA-G	<29	<29	<29
PFPrA	**1,700**	**2,800**	**4,300**
Total Table 3+ (17 compounds)[2,3]	**6,660**	**11,300**	**18,300**
Total Table 3+ (18 compounds)[2,4]	**8,360**	**14,100**	**22,600**
Total Table 3+ (21 compounds)[2,5]	**8,620**	**14,600**	**23,100**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	LTW-01				LTW-02				LTW-03				LTW-04			
	CAP1Q23-LTW-01-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-01-051723 Sample Date: 17-May-23	CAP3Q23-LTW-01-071323 Sample Date: 13-Jul-23	CAP4Q23-LTW-01-110323 Sample Date: 3-Nov-23	CAP1Q23-LTW-02-021623 Sample Date: 16-Feb-23	CAP2Q23-LTW-02-051723 Sample Date: 17-May-23	CAP3Q23-LTW-02-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-02-110323 Sample Date: 3-Nov-23	CAP1Q23-LTW-03-022123 Sample Date: 21-Feb-23	CAP2Q23-LTW-03-052323 Sample Date: 23-May-23	CAP3Q23-LTW-03-071223 Sample Date: 12-Jul-23	CAP4Q23-LTW-03-111323 Sample Date: 13-Nov-23	CAP1Q23-LTW-04-021723 Sample Date: 17-Feb-23	CAP2Q23-LTW-04-052323 Sample Date: 23-May-23	CAP3Q23-LTW-04-071123 Sample Date: 11-Jul-23	CAP4Q23-LTW-04-110223 Sample Date: 2-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<2.0	<67	<2.0	<2.0 UJ	<2.0	<67	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<67
11Cl-PF3OUdS	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<2.0	<46	<2.0	<2.0 UJ	<2.0	<46	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<2.0	<85	<2.0	<2.0 UJ	<2.0	<85	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<4.0	<140	<4.0	<4.0 UJ	<4.0	<140	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<140
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<5.0	<250	<5.0	<5.0 UJ	<5.0	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250
9Cl-PF3ONS	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<24
DONA	<2.0	<2.0 UJ	<2.0	<40	<2.0	<2.0 UJ	<2.0	<40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<130	<5.0	<5.0 UJ	<5.0	<130	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<130
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<87	<2.0	<2.0 UJ	<2.0	<87	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<87
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<43	<2.0	<2.0 UJ	<2.0	<43	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<120	<5.0	<5.0 UJ	<5.0	<120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<120
Perfluorobutane Sulfonic Acid	**4.2**	**4.7 J**	**3.6**	<20	<2.0	<2.0 UJ	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	**2.2**	<2.0	<20
Perfluorobutanoic Acid	**170**	**110 J**	**120**	<240	**30**	**61 J**	**86**	<240	**130**	**120**	**130**	**120**	**310**	**230**	**290**	**330**
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<32
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<31	<2.0	<2.0 UJ	<2.0	<31	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<2.0	<97	<2.0	<2.0 UJ	<2.0	<97	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<97
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<55	<2.0	<2.0 UJ	<2.0	<55	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<2.0	<19	<2.0	<2.0 UJ	<2.0	<19	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<19
Perfluoroheptanoic Acid	**46**	**48 J**	**44**	**47 J**	**4.7**	**11 J**	**11**	<25	**26**	**28**	**25**	**24**	**66**	**52**	**60**	**60**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<89	<2.0	<2.0 UJ	<2.0	<89	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<89
Perfluorohexane Sulfonic Acid	**6**	**6.3 J**	**5.2**	<57	<2.0	<2.0 UJ	<2.0	<57	<2.0	<2.0	<2.0	<2.0	<2.0	**3.3**	<2.0	<57
Perfluorohexanoic Acid	**22**	**23 J**	**23**	<58	**3.3**	**8.4 J**	**11**	<58	**16**	**17**	**16**	**17**	**35**	**33**	**34**	<58
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<2.0	<37	<2.0	<2.0 UJ	<2.0	<37	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<37
Perfluorononanoic Acid	<2.0	**2.3 J**	<2.0	<27	<2.0	<2.0 UJ	<2.0	<27	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<27
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<94	<2.0	<2.0 UJ	<2.0	<94	<2.0	<2.0	<2.0	<120 UJ	<2.0	<2.0	<2.0	<94
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<2.0	<98	<2.0	<2.0 UJ	<2.0	<98	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<2.0	<30	<2.0	<2.0 UJ	<2.0	<30	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<30
Perfluoropentanoic Acid	**320**	**250 J**	**260**	**330**	**99**	**190 J**	**250**	**300**	**600**	**690**	**750**	**610**	**1,200**	**1,100**	**1,400**	**1,200**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<73	<2.0	<2.0 UJ	<2.0	<73	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<73
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<130	<2.0	<2.0 UJ	<2.0	<130	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<130
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<110	<2.0	<2.0 UJ	<2.0	<110	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<110
PFOA	**41**	**49 J**	**39**	<85	<2.0	<2.0 UJ	<2.0	<85	<2.0	<2.0	<2.0	<2.0	**10**	**11**	**10**	<85
PFOS	**9.9 J**	**22 J**	**11 J**	<54	<2.0	<2.0 UJ	<2.0	<54	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	LTW-05				OW-28				OW-33				PIW-1D			
	CAP1Q23-LTW-05-021523 Sample Date: 15-Feb-23	**CAP2Q23-LTW-05-052223** Sample Date: 22-May-23	**CAP3Q23-LTW-05-071123** Sample Date: 11-Jul-23	**CAP4Q23-LTW-05-110223** Sample Date: 2-Nov-23	**CAP1Q23-OW-28-022023** Sample Date: 20-Feb-23	**CAP2Q23-OW-28-052523** Sample Date: 25-May-23	**CAP3Q23-OW-28-071123** Sample Date: 11-Jul-23	**CAP4Q23-OW-28-110223** Sample Date: 2-Nov-23	**CAP1Q23-OW-33-021423** Sample Date: 14-Feb-23	**CAP2Q23-OW-33-051823** Sample Date: 18-May-23	**CAP3Q23-OW-33-071223** Sample Date: 12-Jul-23	**CAP4Q23-OW-33-110223** Sample Date: 2-Nov-23	**CAP1Q23-PIW-1D-021623** Sample Date: 16-Feb-23	**CAP2Q23-PIW-1D-052323** Sample Date: 23-May-23	**CAP3Q23-PIW-1D-080223** Sample Date: 2-Aug-23	**CAP4Q23-PIW-1D-110723** Sample Date: 7-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<67	<2.0	<2.0	<2.0	<67	<2.0	<2.0 UJ	<2.0	<67	<2.0	<2.0	<67	<67
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<32	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<46	<2.0	<2.0	<2.0	<46	<2.0	<2.0 UJ	<2.0	<46	<2.0	<2.0	<46	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<24 UJ	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<85	<2.0	<2.0	<2.0	<85	<2.0	<2.0 UJ	<2.0	<85	<2.0	<2.0	<85	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<140	<4.0	<4.0	<4.0	<140	<4.0	<4.0 UJ	<4.0	<140	<4.0	<4.0	<140	<140
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<250	<5.0	<5.0 UJ	<5.0	<250	<5.0	<5.0	<250	<250
9Cl-PF3ONS	<2.0	<2.0	<2.0	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<24	<24
DONA	<2.0	<2.0	<2.0	<40	<2.0	<2.0	<2.0	<40	<2.0	<2.0 UJ	<2.0	<40	<2.0	<2.0	<40	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<130	<5.0	<5.0	<5.0	<130	<5.0	<5.0 UJ	<5.0	<130	<5.0	<5.0	<130	<130
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<87	<2.0	<2.0	<2.0	<87	<2.0	<2.0 UJ	<2.0	<87	<2.0	<2.0	<87 UJ	<87
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<43	<2.0	<2.0	<2.0	<43	<2.0	<2.0 UJ	<2.0	<43	<2.0	<2.0	<43	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<5.0	<5.0	<5.0	<120	<5.0	<5.0 UJ	<5.0	<120	<5.0	<5.0	<120	<120
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<20	<2.0	**2**	<2.0	<20	<2.0	<2.0 UJ	<2.0	<20	<2.0	<2.0	<20	<20
Perfluorobutanoic Acid	**230**	**170**	**170**	**270**	**51**	**51**	**46**	<240	**45**	**60 J**	**62**	<240	**83**	**59**	<240	<240
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<32	<32
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<31	<2.0	<2.0	<2.0	<31	<2.0	<2.0 UJ	<2.0	<31	<2.0	<2.0	<31	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<97	<2.0	<2.0	<2.0	<97	<2.0	<2.0 UJ	<2.0	<97	<2.0	<2.0	<97	<97
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<55	<2.0	<2.0	<2.0	<55	<2.0	<2.0 UJ	<2.0	<55	<2.0	<2.0	<55	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<19	<2.0	<2.0	<2.0	<19	<2.0	<2.0 UJ	<2.0	<19	<2.0	<2.0	<19	<19
Perfluoroheptanoic Acid	**210**	**200**	**210**	**250**	**7.2**	**7.3**	**6.5**	<25	**5.6**	**7.6 J**	**7.1**	<25	**16**	**19**	<25	<25
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<89	<2.0	<2.0	<2.0	<89	<2.0	<2.0 UJ	<2.0	<89	<2.0	<2.0	<89	<89
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<57	<2.0	<2.0	<2.0	<57	<2.0	<2.0 UJ	<2.0	<57	<2.0	<2.0	<57	<57
Perfluorohexanoic Acid	**38**	**52**	**43**	**66**	**9.9**	**12**	**9.1**	<58	**7.8**	**10 J**	**10**	<58	**9.5**	**11**	<58	<58
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<37	<2.0	<2.0	<2.0	<37	<2.0	<2.0 UJ	<2.0	<37	<2.0	<2.0	<37	<37
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<27	<2.0	<2.0	<2.0	<27	<2.0	<2.0 UJ	<2.0	<27	<2.0	<2.0	<27	<27
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<94	<2.0	<2.0	<2.0	<94	<2.0	<2.0 UJ	<2.0	<94 UJ	<2.0	<2.0	<94	<94
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<98	<2.0	<2.0	<2.0	<98	<2.0	<2.0 UJ	<2.0	<98	<2.0	<2.0	<98	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<30	<2.0	<2.0	<2.0	<30	<2.0	<2.0 UJ	<2.0	<30	<2.0	<2.0	<30	<30
Perfluoropentanoic Acid	**1,300**	**1,700**	**1,600**	**2,300**	**68**	**75**	**73**	**49**	**93**	**120 J**	**130**	**140**	**150**	**140**	**160**	**150**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<73	<2.0	<2.0	<2.0	<73	<2.0	<2.0 UJ	<2.0	<73	<2.0	<2.0	<73	<73
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<130	<2.0	<2.0	<2.0	<130	<2.0	<2.0 UJ	<2.0	<130	<2.0	<2.0	<130	<130
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<110	<2.0	<2.0	<2.0	<110	<2.0	<2.0 UJ	<2.0	<110	<2.0	<2.0	<110	<110
PFOA	**4.1**	**4.1**	**2.1**	<85	**4.3**	**4**	**3.3**	<85	<2.0	**2.2 J**	<2.0	<85	**18**	**19**	<85	<85
PFOS	<2.0	<2.0	<2.0	<54	<2.0	<2.0	<2.0	<54	<2.0	<2.0 UJ	<2.0	<54	<2.0	<2.0	<54	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)															
	PIW-1S				PIW-3D				PIW-7D				PIW-7S			
	CAP1Q23-PIW-1S-021623 Sample Date: 16-Feb-23	**Not Sampled in 2Q 2023 (Dry)**	**Not Sampled in 3Q 2023 (Dry)**	**Not Sampled in 4Q 2023 (Dry)**	**CAP1Q23-PIW-3D-021623** Sample Date: 16-Feb-23	**CAP2Q23-PIW-3D-051723** Sample Date: 17-May-23	**CAP3Q23-PIW-3D-071323** Sample Date: 13-Jul-23	**CAP4Q23-PIW-3D-110323** Sample Date: 3-Nov-23	**CAP1Q23-PIW-7D-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7D-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7D-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7D-110223** Sample Date: 2-Nov-23	**CAP1Q23-PIW-7S-021523** Sample Date: 15-Feb-23	**CAP2Q23-PIW-7S-052223** Sample Date: 22-May-23	**CAP3Q23-PIW-7S-071123** Sample Date: 11-Jul-23	**CAP4Q23-PIW-7S-110223** Sample Date: 2-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<67	<2.0	<2.0	<2.0	<67	<2.0	<2.0	<2.0	<67
11Cl-PF3OUdS	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0	<2.0	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<46	<2.0	<2.0	<2.0	<46	<2.0	<2.0	<2.0	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0	<2.0	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<85	<2.0	<2.0	<2.0	<85	<2.0	<2.0	<2.0	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	--	--	--	<4.0	<4.0 UJ	<4.0	<140	<4.0	<4.0	<4.0	<140	<4.0	<4.0	<4.0	<140
6:2 Fluorotelomer sulfonate	<5.0	--	--	--	<5.0	<5.0 UJ	<5.0	<250	<5.0	<5.0	<5.0	<250	<5.0	<5.0	<5.0	<250
9Cl-PF3ONS	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0	<2.0	<24
DONA	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<40	<2.0	<2.0	<2.0	<40	<2.0	<2.0	<2.0	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<5.0	<5.0 UJ	<5.0	<130	<5.0	<5.0	<5.0	<130	<5.0	<5.0	<5.0	<130
N-ethylperfluoro-1-octanesulfonamide	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<87	<2.0	<2.0	<2.0	<87	<2.0	<2.0	<2.0	<87
N-methyl perfluoro-1-octanesulfonamide	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<43	<2.0	<2.0	<2.0	<43	<2.0	<2.0	<2.0	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<5.0	<5.0 UJ	<5.0	<120	<5.0	<5.0	<5.0	<120	<5.0	<5.0	<5.0	<120
Perfluorobutane Sulfonic Acid	<2.0	--	--	--	**2.2**	**2.1 J**	**2.3**	<20	<2.0	<2.0	<2.0	<20	**3.6**	**2.8**	**2.5**	<20
Perfluorobutanoic Acid	**51**	--	--	--	**110**	**73 J**	**79**	<240	**290**	**150**	**160**	<240	**210**	**120**	**100**	<240
Perfluorodecane Sulfonic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0	<2.0	<32
Perfluorodecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<31	<2.0	<2.0	<2.0	<31	<2.0	<2.0	<2.0	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<97	<2.0	<2.0	<2.0	<97	<2.0	<2.0	<2.0	<97
Perfluorododecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<55	<2.0	<2.0	<2.0	<55	<2.0	<2.0	<2.0	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<19	<2.0	<2.0	<2.0	<19	<2.0	<2.0	<2.0	<19
Perfluoroheptanoic Acid	**18**	--	--	--	**32**	**32 J**	**33**	**49**	**140**	**81**	**85**	**97**	**71**	**52**	**41**	**61**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<89	<2.0	<2.0	<2.0	<89	<2.0	<2.0	<2.0	<89
Perfluorohexane Sulfonic Acid	**8.6**	--	--	--	**3.4**	**3.5 J**	**3.7**	<57	<2.0	<2.0	<2.0	<57	**4.1**	**3.5**	**3.0**	<57
Perfluorohexanoic Acid	**7.7**	--	--	--	**15**	**14 J**	**16**	<58	**49**	**33**	**30**	<58	**30**	**26**	**19**	<58
Perfluorononanesulfonic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<37	<2.0	<2.0	<2.0	<37	<2.0	<2.0	<2.0	<37
Perfluorononanoic Acid	**4.1**	--	--	--	**5.2**	**4.8 J**	**5.0**	<27	<2.0	<2.0	<2.0	<27	<2.0	<2.0	<2.0	<27
Perfluorooctadecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<94	<2.0	<2.0	<2.0	<94	<2.0	<2.0	<2.0	<94
Perfluorooctane Sulfonamide	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<98	<2.0	<2.0	<2.0	<98	<2.0	<2.0	<2.0	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<30	<2.0	<2.0	<2.0	<30	<2.0	<2.0	<2.0	<30
Perfluoropentanoic Acid	**78**	--	--	--	**150**	**150 J**	**150**	**190**	**1,500**	**1,300**	**1,400**	**1,500**	**630**	**530**	**470**	**620**
Perfluorotetradecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<73	<2.0	<2.0	<2.0	<73	<2.0	<2.0	<2.0	<73
Perfluorotridecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<130	<2.0	<2.0	<2.0	<130	<2.0	<2.0	<2.0	<130
Perfluoroundecanoic Acid	<2.0	--	--	--	<2.0	<2.0 UJ	<2.0	<110	<2.0	<2.0	<2.0	<110	<2.0	<2.0	<2.0	<110
PFOA	**69**	--	--	--	**44**	**43 J**	**42**	<85	**4.5**	**2.9**	**2.0**	<85	**17**	**14**	**9.6**	<85
PFOS	**22**	--	--	--	**15**	**14 J**	**14**	<54	<2.0	<2.0	<2.0	<54	**6.4 J**	**5.4 J**	<2.0	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Model Sampling Program (Quarterly)											
	PW-04				PZ-22				SMW-12			
	CAP1Q23-PW-04-022323 Sample Date: 23-Feb-23	**CAP2Q23-PW-04-052523** Sample Date: 25-May-23	**CAP3Q23-PW-04-072823** Sample Date: 28-Jul-23	**CAP4Q23-PW-04-110923** Sample Date: 9-Nov-23	**CAP1Q23-PZ-22-022023** Sample Date: 20-Feb-23	**CAP2Q23-PZ-22-052323** Sample Date: 23-May-23	**CAP3Q-PZ-22-071123** Sample Date: 11-Jul-23	**CAP4Q23-PZ-22-110223** Sample Date: 2-Nov-23	**CAP1Q23-SMW-12-023323** Sample Date: 23-Feb-23	**CAP2Q23-SMW-12-051723** Sample Date: 17-May-23	**CAP3Q23-SMW-12-071823** Sample Date: 18-Jul-23	**CAP4Q23-SMW-12-110823** Sample Date: 8-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<67	<67	<2.0	<2.0	<2.0	<67	<2.0	<2.0 UJ	<61	<67
11Cl-PF3OUdS	<2.0	<2.0	<32	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0 UJ	<29	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<46	<46	<2.0	<2.0	<2.0	<46	<2.0	<2.0 UJ	<42	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<24	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0 UJ	<22	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<85	<85	<2.0	<2.0	<2.0	<85	<2.0	<2.0 UJ	<77	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<140	<140	<4.0	<4.0	<4.0	<140	<4.0	<4.0 UJ	<130	<140
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<250	<250	<5.0	<5.0	<5.0	<250	<5.0	<5.0 UJ	<230	<250
9Cl-PF3ONS	<2.0	<2.0	<24	<24	<2.0	<2.0	<2.0	<24	<2.0	<2.0 UJ	<22	<24
DONA	<2.0	<2.0	<40	<40	<2.0	<2.0	<2.0	<40	<2.0	<2.0 UJ	<36	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<130	<130	<5.0	<5.0	<5.0	<130	<5.0	<5.0 UJ	<120	<130
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<87	<87	<2.0	<2.0	<2.0	<87	<2.0	<2.0 UJ	<79	<87
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<43	<43	<2.0	<2.0	<2.0	<43	<2.0	<2.0 UJ	<39	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<120	<120	<5.0	<5.0	<5.0	<120	<5.0	<5.0 UJ	<110	<120
Perfluorobutane Sulfonic Acid	<2.0	<2.0	**32**	<20	<2.0	<2.0	<2.0	<20	<2.0	<2.0 UJ	<18	<20
Perfluorobutanoic Acid	**8.3**	**10**	<240	<240	**120**	**110**	**120**	<240	**19**	**25 J**	<220	<240
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<32	<32	<2.0	<2.0	<2.0	<32	<2.0	<2.0 UJ	<29	<32
Perfluorodecanoic Acid	<2.0	<2.0	<31	<31	<2.0	<2.0	<2.0	<31	<2.0	<2.0 UJ	<28	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<97	<97	<2.0	<2.0	<2.0	<97	<2.0	<2.0 UJ	<88	<97
Perfluorododecanoic Acid	<2.0	<2.0	<55	<55	<2.0	<2.0	<2.0	<55	<2.0	<2.0 UJ	<50	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<19	<19	<2.0	<2.0	<2.0	<19	<2.0	<2.0 UJ	<17	<19
Perfluoroheptanoic Acid	**6.6**	**8.8**	<25	<25	**20**	**34**	**30**	**31**	<2.0	<2.0 UJ	<23	<25
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<89	<89	<2.0	<2.0	<2.0	<89	<2.0	<2.0 UJ	<81	<89
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<57	<57	<2.0	<2.0	<2.0	<57	<2.0	<2.0 UJ	<52	<57
Perfluorohexanoic Acid	**2.7**	**3.5**	<58	<58	**17**	**19**	**18**	<58	<2.0	**2.5 J**	<53	<58
Perfluorononanesulfonic Acid	<2.0	<2.0	<37	<37	<2.0	<2.0	<2.0	<37	<2.0	<2.0 UJ	<34	<37
Perfluorononanoic Acid	<2.0	<2.0	<27	<27	<2.0	<2.0	<2.0	<27	<2.0	<2.0 UJ	<25	<27
Perfluorooctadecanoic Acid	<2.0	<2.0	<94	<94	<2.0	<2.0	<2.0	<94	<2.0	<2.0 UJ	<86	<94
Perfluorooctane Sulfonamide	<2.0	<2.0	<98	<98	<2.0	<2.0	<2.0	<98	<2.0	<2.0 UJ	<89	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<30	<30	<2.0	<2.0	<2.0	<30	<2.0	<2.0 UJ	<27	<30
Perfluoropentanoic Acid	**18**	**21**	<49	<49	**820**	**930**	**1,100**	**1,100**	**43**	**62 J**	**73**	**92**
Perfluorotetradecanoic Acid	<2.0	<2.0	<73	<73	<2.0	<2.0	<2.0	<73	<2.0	<2.0 UJ	<67	<73
Perfluorotridecanoic Acid	<2.0	<2.0	<130	<130	<2.0	<2.0	<2.0	<130	<2.0	<2.0 UJ	<120	<130
Perfluoroundecanoic Acid	<2.0	<2.0	<110	<110	<2.0	<2.0	<2.0	<110	<2.0	<2.0 UJ	<100	<110
PFOA	<2.0	<2.0	<85	<85	<2.0	<2.0	<2.0	<85	<2.0	<2.0 UJ	<77	<85
PFOS	<2.0	<2.0	<54	<54	<2.0	<2.0	<2.0	<54	<2.0	**17 J**	<49	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	**Performance Monitoring Plan Sampling Program (Semi-Annually)**[4]							
	OW-4R	**OW-30**		**OW-32**	**OW-37**	**OW-40**		**OW-51**
	CAP3Q23-OW-4R-080423 Sample Date: 4-Aug-23	**CAP1Q23-OW-30-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-30-071323** Sample Date: 13-Jul-23	**CAP3Q23-OW-32-090823** Sample Date: 8-Sep-23	**CAP3Q23-OW-37-081023** Sample Date: 10-Aug-23	**CAP1Q23-OW-40-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-40-071323** Sample Date: 13-Jul-23	**CAP3Q23-OW-51-080323** Sample Date: 3-Aug-23
10:2 Fluorotelomer sulfonate	<67	<2.0	<2.0	<67	<67 UJ	<2.0	<2.0	<67
11Cl-PF3OUdS	<32	<2.0	<2.0	<32	<32 UJ	<2.0	<2.0	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<2.0	<2.0	<46	<46 UJ	<2.0	<2.0	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<2.0	<2.0	<24	<24 UJ	<2.0	<2.0	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<2.0	<2.0	<85	<85 UJ	<2.0	<2.0	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<4.0	<4.0	<140	<140 UJ	<4.0	<4.0	<140
6:2 Fluorotelomer sulfonate	<250	<5.0	<5.0	<250	<250 UJ	<5.0	<5.0	<250
9Cl-PF3ONS	<24	<2.0	<2.0	<24	<24 UJ	<2.0	<2.0	<24
DONA	<40	<2.0	<2.0	<40	<40 UJ	<2.0	<2.0	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<5.0	<5.0	<130	<130 UJ	<5.0	<5.0	<130
N-ethylperfluoro-1-octanesulfonamide	<87	<2.0	<2.0	<87	<87 UJ	<2.0	<2.0	<87
N-methyl perfluoro-1-octanesulfonamide	<43	<2.0	<2.0	<43	<43 UJ	<2.0	<2.0	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<5.0	<5.0	<120	<120 UJ	<5.0	<5.0	<120
Perfluorobutane Sulfonic Acid	<20	<2.0	<2.0	<20	<20 UJ	<2.0	<2.0	<20
Perfluorobutanoic Acid	<240	**150**	**95**	<240	<240 UJ	**60**	**43**	**530**
Perfluorodecane Sulfonic Acid	<32	<2.0	<2.0	<32	<32 UJ	<2.0	<2.0	<32
Perfluorodecanoic Acid	<31	<2.0	<2.0	<31	<31 UJ	<2.0	<2.0	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<2.0	<2.0	<97	<97 UJ	<2.0	<2.0	<97
Perfluorododecanoic Acid	<55	<2.0	<2.0	<55	<55 UJ	<2.0	<2.0	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<2.0	<2.0	<19	<19 UJ	<2.0	<2.0	<19
Perfluoroheptanoic Acid	**90**	**12**	**7.0**	<25	<25 UJ	**16**	**18**	**400**
Perfluorohexadecanoic Acid (PFHxDA)	<89	<2.0	<2.0	<89	<89 UJ	<2.0	<2.0	<89
Perfluorohexane Sulfonic Acid	<57	<2.0	<2.0	<57	<57 UJ	<2.0	<2.0	<57
Perfluorohexanoic Acid	<58	**16**	**13**	<58	<58 UJ	**11**	**11**	**140**
Perfluorononanesulfonic Acid	<37	<2.0	<2.0	<37	<37 UJ	<2.0	<2.0	<37
Perfluorononanoic Acid	<27	<2.0	<2.0	<27	<27 UJ	<2.0	<2.0	<27
Perfluorooctadecanoic Acid	<94	<2.0	<2.0	<94	<94 UJ	<2.0	<2.0	<94
Perfluorooctane Sulfonamide	<98	<2.0	<2.0	<98	<98 UJ	<2.0	<2.0	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<2.0	<2.0	<30	<30 UJ	<2.0	<2.0	<30
Perfluoropentanoic Acid	**480**	**530**	**340**	<49	**55 J**	**120**	**74**	**2,700**
Perfluorotetradecanoic Acid	<73	<2.0	<2.0	<73	<73 UJ	<2.0	<2.0	<73
Perfluorotridecanoic Acid	<130	<2.0	<2.0	<130	<130 UJ	<2.0	<2.0	<130
Perfluoroundecanoic Acid	<110	<2.0	<2.0	<110	<110 UJ	<2.0	<2.0	<110
PFOA	<85	<2.0	<2.0	<85	<85 UJ	**2.3**	<2.0	<85
PFOS	<54	<2.0	<2.0	<54	<54 UJ	<2.0	<2.0	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
4 - Wells OW-4R, OW-32, OW-37, and OW-51 were installed between late June 2023 and August 2023, so were unavailable for sampling before 3Q 2023.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)							
	OW-54		OW-55		OW-56		OW-57	
	CAP1Q23-OW-54-021623 Sample Date: 16-Feb-23	**Not Sampled in 3Q 2023 (Dry)**	**CAP1Q23-OW-55-021623** Sample Date: 16-Feb-23	**CAP3Q23-OW-55-072523** Sample Date: 25-Jul-23	**CAP1Q23-OW-56-022123** Sample Date: 21-Feb-23	**CAP3Q23-OW-56-073123** Sample Date: 31-Jul-23	**CAP1Q23-OW-57-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-57-073123** Sample Date: 31-Jul-23
10:2 Fluorotelomer sulfonate	<2.0	--	<2.0	<67	<2.0	<67	<2.0	<67
11Cl-PF3OUdS	<2.0	--	<2.0	<32	<2.0	<32	<2.0	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	--	<2.0	<46	<2.0	<46	<2.0	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	--	<2.0	<24	<2.0	<24	<2.0	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	--	<2.0	<85	<2.0	<85	<2.0	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	--	<4.0	<140	<4.0	<140	<4.0	<140
6:2 Fluorotelomer sulfonate	<5.0	--	<5.0	<250	<5.0	<250	<5.0	<250
9Cl-PF3ONS	<2.0	--	<2.0	<24	<2.0	<24	<2.0	<24
DONA	<2.0	--	<2.0	<40	<2.0	<40	<2.0	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	<5.0	<130	<5.0	<130	<5.0	<130
N-ethylperfluoro-1-octanesulfonamide	<2.0	--	<2.0	<87	<2.0	<87	<2.0	<87
N-methyl perfluoro-1-octanesulfonamide	<2.0	--	<2.0	<43	<2.0	<43	<2.0	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	<5.0	<120	<5.0	<120	<5.0	<120
Perfluorobutane Sulfonic Acid	**2.3**	--	<2.0	<20	**2.5**	**33**	**4.1**	**33**
Perfluorobutanoic Acid	**23**	--	**18**	<240	**22**	<240	**140**	<240
Perfluorodecane Sulfonic Acid	<2.0	--	<2.0	<32	<2.0	<32	<2.0	<32
Perfluorodecanoic Acid	<2.0	--	<2.0	<31	<2.0	<31	<2.0	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	--	<2.0	<97	<2.0	<97	<2.0	<97
Perfluorododecanoic Acid	<2.0	--	<2.0	<55	<2.0	<55	<2.0	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	--	<2.0	<19	<2.0	<19	<2.0	<19
Perfluoroheptanoic Acid	**9.3**	--	<2.0	<25	**3.5**	<25	**71**	**86**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	--	<2.0	<89	<2.0	<89	<2.0	<89
Perfluorohexane Sulfonic Acid	<2.0	--	<2.0	<57	<2.0	<57	**2.3**	<57
Perfluorohexanoic Acid	**5.3**	--	**2.6**	<58	**6.7**	<58	**63**	**97**
Perfluorononanesulfonic Acid	<2.0	--	<2.0	<37	<2.0	<37	<2.0	<37
Perfluorononanoic Acid	<2.0	--	<2.0	<27	<2.0	<27	<2.0	<27
Perfluorooctadecanoic Acid	<2.0	--	<2.0	<94	<2.0	<94	<2.0	<94
Perfluorooctane Sulfonamide	<2.0	--	<2.0	<98	<2.0	<98	<2.0	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	--	<2.0	<30	<2.0	<30	<2.0	<30
Perfluoropentanoic Acid	**40**	--	**27**	<49	**44**	**56**	**320**	**380**
Perfluorotetradecanoic Acid	<2.0	--	<2.0	<73	<2.0	<73	<2.0	<73
Perfluorotridecanoic Acid	<2.0	--	<2.0	<130	<2.0	<130	<2.0	<130
Perfluoroundecanoic Acid	<2.0	--	<2.0	<110	<2.0	<110	<2.0	<110
PFOA	**17**	--	<2.0	<85	**2.7**	<85	**750**	**1,000**
PFOS	<2.0	--	<2.0	<54	<2.0	<54	<2.0	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	**Performance Monitoring Plan Sampling Program (Semi-Annually)**									
	PIW-4D	**PIW-5SR**	**PIW-6S**	**PIW-8D**	**PIW-10DR**	**PIW-10S**	**PIW-11**	**PIW-15**	**PW-10RR**	**PW-11**
	CAP3Q23-PIW-4D-071323 Sample Date: 13-Jul-23	**CAP3Q23-PIW-5SR-080423** Sample Date: 4-Aug-23	**CAP3Q23-PIW-6S-071223** Sample Date: 12-Jul-23	**CAP3Q23-PIW-8D-071123** Sample Date: 11-Jul-23	**CAP3Q23-PIW-10DR-071423** Sample Date: 14-Jul-23	**CAP3Q23-PIW-10S-071323** Sample Date: 13-Jul-23	**CAP3Q23-PIW-11-073123** Sample Date: 31-Jul-23	**CAP3Q23-PIW-15-072523** Sample Date: 25-Jul-23	**CAP3Q23-PW-10RR-080323** Sample Date: 3-Aug-23	**CAP3Q23-PW-11-070723** Sample Date: 7-Jul-23
10:2 Fluorotelomer sulfonate	<2.0	<67	<2.0	<2.0	<2.0	<2.0	<67	<67	<67	<2.0
11Cl-PF3OUdS	<2.0	<32	<2.0	<2.0	<2.0	<2.0	<32	<32	<32	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<46	<2.0	<2.0	<2.0	<2.0	<46	<46	<46	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<24	<2.0	<2.0	<2.0	<2.0	<24	<24	<24	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<85	<2.0	<2.0	<2.0	<2.0	<85	<85	<85	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<140	<4.0	<4.0	<4.0	<4.0	<140	<140	<140	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<250	<5.0	**9.4**	<5.0	<5.0	<250	<250	<250	<5.0
9Cl-PF3ONS	<2.0	<24	<2.0	<2.0	<2.0	<2.0	<24	<24	<24	<2.0
DONA	<2.0	<40	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<130	<5.0	<5.0	<5.0	<5.0	<130	<130	<130	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<87	<2.0	<2.0	<2.0	<2.0	<87	<87	<87	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<43	<2.0	<2.0	<2.0	<2.0	<43	<43	<43	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<120	<5.0	<5.0	<5.0	<5.0	<120	<120	<120	<5.0
Perfluorobutane Sulfonic Acid	<2.0	<20	<2.0	<2.0	<2.0	<2.0	**29**	<20	<20	**2.1**
Perfluorobutanoic Acid	<5.0	**780**	**150**	**310**	**130**	**47**	<240	<240	<240	**100**
Perfluorodecane Sulfonic Acid	<2.0	<32	<2.0	<2.0	<2.0	<2.0	<32	<32	<32	<2.0
Perfluorodecanoic Acid	<2.0	<31	<2.0	<2.0	<2.0	<2.0	<31	<31	<31	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<97	<2.0	<2.0	<2.0	<2.0	<97	<97	<97	<2.0
Perfluorododecanoic Acid	<2.0	<55	<2.0	<2.0	<2.0	<2.0	<55	<55	<55	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<19	<2.0	<2.0	<2.0	<2.0	<19	<19	<19	<2.0
Perfluoroheptanoic Acid	<2.0	**80**	**23**	**250**	**76**	**11**	<25	<25	<25	**100**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<89	<2.0	<2.0	<2.0	<2.0	<89	<89	<89	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<57	<2.0	<2.0	<2.0	<2.0	<57	<57	<57	**2.8**
Perfluorohexanoic Acid	<2.0	<58	**17**	**75**	**29**	**8.6**	<58	<58	<58	**26**
Perfluorononanesulfonic Acid	<2.0	<37	<2.0	<2.0	<2.0	<2.0	<37	<37	<37	<2.0
Perfluorononanoic Acid	<2.0	<27	<2.0	<2.0	<2.0	<2.0	<27	<27	<27	**22**
Perfluorooctadecanoic Acid	<2.0	<94	<2.0	<2.0	<2.0	<2.0	<94	<94	<94	<2.0
Perfluorooctane Sulfonamide	<2.0	<98	<2.0	<2.0	<2.0	<2.0	<98	<98	<98	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<30	<2.0	<2.0	<2.0	<2.0	<30	<30	<30	<2.0
Perfluoropentanoic Acid	**11**	**1,100**	**820**	**1,700**	**350**	**59**	**63**	**140**	**710**	**420**
Perfluorotetradecanoic Acid	<2.0	<73	<2.0	<2.0	<2.0	<2.0	<73	<73	<73	<2.0
Perfluorotridecanoic Acid	<2.0	<130	<2.0	<2.0	<2.0	<2.0	<130	<130	<130	<2.0
Perfluoroundecanoic Acid	<2.0	<110	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<2.0
PFOA	<2.0	<85	<2.0	**2.5**	**4.1**	**9.1**	<85	<85	<85	**42**
PFOS	<2.0	<54	<2.0	<2.0	<2.0	<2.0	<54	<54	<54	**4.7**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-2
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**Corrective Action Plan Sampling Program (Annually)**		
	PIW-12	**PIW-13**	**PIW-14**
	CAP3Q23-PIW-12-072423 Sample Date: 24-Jul-23	**CAP3Q23-PIW-13-072423** Sample Date: 24-Jul-23	**CAP3Q23-PIW-14-072423** Sample Date: 24-Jul-23
10:2 Fluorotelomer sulfonate	<67	<67	<67
11Cl-PF3OUdS	<32	<32	<32
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<46	<46
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<24	<24
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<85	<85
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<140	<140
6:2 Fluorotelomer sulfonate	<250	<250	<250
9Cl-PF3ONS	<24	<24	<24
DONA	<40	<40	<40
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<130	<130
N-ethylperfluoro-1-octanesulfonamide	<87	<87	<87
N-methyl perfluoro-1-octanesulfonamide	<43	<43	<43
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<120	<120
Perfluorobutane Sulfonic Acid	<20	<20	<20
Perfluorobutanoic Acid	<240	<240	<240
Perfluorodecane Sulfonic Acid	<32	<32	<32
Perfluorodecanoic Acid	<31	<31	<31
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<97	<97
Perfluorododecanoic Acid	<55	<55	<55
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<19	<19
Perfluoroheptanoic Acid	<25	<25	<25
Perfluorohexadecanoic Acid (PFHxDA)	<89	<89	<89
Perfluorohexane Sulfonic Acid	<57	<57	<57
Perfluorohexanoic Acid	<58	<58	<58
Perfluorononanesulfonic Acid	<37	<37	<37
Perfluorononanoic Acid	<27	<27	<27
Perfluorooctadecanoic Acid	<94	<94	<94
Perfluorooctane Sulfonamide	<98	<98	<98
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<30	<30
Perfluoropentanoic Acid	<49	<49	**80**
Perfluorotetradecanoic Acid	<73	<73	<73
Perfluorotridecanoic Acid	<130	<130	<130
Perfluoroundecanoic Acid	<110	<110	<110
PFOA	<85	<85	<85
PFOS	<54	<54	<54

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the 3Q 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
UJ – Analyte not detected. Reporting limit may not be accurate or precise.
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
Willis Creek PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Antecedent Daily Total Rainfall[6] (inches):	*Jul 18 (0.00)*	*Nov 6 (0.00)*	*Feb 22 (0.00)*	*May 9 (0.00)*	*Jul 24 (0.20)*	*Nov 20 (0.00)*	*Jul 18 (0.00)*	*Nov 6 (0.00)*	*Feb 22 (0.00)*	*May 9 (0.00)*	*Jul 24 (0.20)*	*Nov 20 (0.00)*	*Jul 18 (0.00)*	*Nov 6 (0.00)*	*Feb 22 (0.00)*	*May 9 (0.00)*	*Jul 24 (0.20)*	*Nov 20 (0.00)*
	Jul 19 (0.10)	*Nov 7 (0.00)*	*Feb 23 (0.00)*	*May 10 (0.00)*	*Jul 25 (0.00)*	*Nov 21 (0.41)*	*Jul 19 (0.10)*	*Nov 7 (0.00)*	*Feb 23 (0.00)*	*May 10 (0.00)*	*Jul 25 (0.00)*	*Nov 21 (0.41)*	*Jul 19 (0.10)*	*Nov 7 (0.00)*	*Feb 23 (0.00)*	*May 10 (0.00)*	*Jul 25 (0.00)*	*Nov 21 (0.41)*
	Jul 20 (0.47)	*Nov 8 (0.00)*	*Feb 24 (0.01)*	*May 11 (0.00)*	*Jul 26 (0.00)*	*Nov 22 (1.26)*	*Jul 20 (0.47)*	*Nov 8 (0.00)*	*Feb 24 (0.01)*	*May 11 (0.00)*	*Jul 26 (0.00)*	*Nov 22 (1.26)*	*Jul 20 (0.47)*	*Nov 8 (0.00)*	*Feb 24 (0.01)*	*May 11 (0.00)*	*Jul 26 (0.00)*	*Nov 22 (1.26)*
	WC-1						**WC-2**						**WC-3**					
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**CAP3Q22-WC-1-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-1-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-1-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-1-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-1-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-1-112323** Sample Date: 23-Nov-23	**CAP3Q22-WC-2-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-2-22-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-2-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-2-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-2-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-2-112323** Sample Date: 23-Nov-23	**CAP3Q22-WC-3-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-3-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-3-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-3-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-3-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-3-112323** Sample Date: 23-Nov-23
Hfpo Dimer Acid	**560**	**580**	**310**	**430**	**360**	**89 J**	**320**	**490**	**180**	**290**	**260**	**120**	**180**	**190**	**100**	**150**	**130**	**49**
PFMOAA	**1,300**	**1,900**	**480**	**830**	**970**	**200**	**250**	**1,000**	**300**	**360**	**610**	**290 J**	**45**	**72**	**35**	**55**	**58**	**25**
PFO2HxA	**650**	**960**	**280**	**500**	**500**	**150**	**250**	**640**	**160**	**280**	**350**	**190 J**	**140**	**190**	**74**	**130**	**140**	**61**
PFO3OA	**130**	**160**	**45**	**90**	**87**	**23 J**	**40**	**89**	**21**	**42**	**55**	**27**	**19**	**21**	**8.7**	**16**	**19**	**7.6**
PFO4DA	**25**	**29**	**10**	**15**	**16**	**5.4 J**	**12**	**17**	**4.5**	**8.2**	**10**	**5.3**	**5.3**	**4.8**	**2.1**	**3.5**	**5.1**	**2.2**
PFO5DA	<3.9	<7.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.1**	<2.0
PMPA	**640**	**790**	**340**	**430**	**490**	**170**	**330**	**570**	**240**	**310**	**410**	**230 J**	**230**	**260**	**160**	**190**	**200**	**120**
PEPA	**150**	**200**	**74**	**120**	**120**	**45**	**70**	**150**	**52**	**86**	**92**	**48 J**	**45**	**70**	**32**	**53**	**50**	**24**
PS Acid	<2.0	**2.6**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**14**	**14**	**8**	**11**	**12**	**5.2**	**12**	**11**	**7.2**	**8.2**	**9.5**	**6.1**	**9.3**	**7.8**	**6.5**	**6.8**	**7.8**	**4.2**
R-PSDA	**42 J**	**36 J**	**30 J**	**86 J**	**170 J**	**11 J**	**26 J**	**31 J**	**18 J**	**49 J**	**96 J**	**9.4 J**	<2.0	**12 J**	**15 J**	**32 J**	**65 J**	**4.3 J**
Hydrolyzed PSDA	**230 J**	**230 J**	**190 J**	**380 J**	**290 J**	**28 J**	**44 J**	**130 J**	**28 J**	**44 J**	**75 J**	**20 J**	<2.0	<2.0	<2.0	<2.0	**7.6 J**	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0
NVHOS, Acid Form	**21**	**30**	**14**	**20**	**25**	**3.8**	**8.3**	**19**	**5.7**	**8.6**	**16**	**5.7 J**	**4.6**	**3.2**	**2.5**	**2.8**	<3.0	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**9.9**	**13**	**5.1**	**6.7**	**7.4**	<2.0	**4.5**	**12**	<2.0	**3.1**	**2.2**	**2.2**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
R-EVE	**24 J**	**16 J**	**14 J**	**38 J**	**59 J**	**5.9 J**	**9.4 J**	**19 J**	**9.6 J**	**28 J**	**41 J**	**7.4 J**	**5.6 J**	**6.1 J**	**7.5 J**	**16 J**	**23 J**	**2.7 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.4	<4.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPrA	**--**	**--**	**--**	**--**	**500**	**170**	**--**	**--**	**--**	--	**360**	**220 J**	**--**	**--**	**--**	--	**180**	**96**
Total Table 3+ (17 compounds)[2,3]	**3,500**	**4,680**	**1,570**	**2,450**	**2,590**	**691**	**1,300**	**3,000**	**970**	**1,400**	**1,810**	**924**	**678**	**819**	**421**	**607**	**612**	**293**
Total Table 3+ (18 compounds)[2,4]	**--**	**--**	**--**	**--**	**3,090**	**861**	**--**	**--**	**--**	**--**	**2,170**	**1,140**	**--**	**--**	**--**	**--**	**792**	**389**
Total Table 3+ (21 compounds)[2,5]	**--**	**--**	**--**	**--**	**3,610**	**906**	**--**	**--**	**--**	**--**	**2,390**	**1,180**	**--**	**--**	**--**	**--**	**888**	**396**

Notes:
1 - The EPA Method 537 was modified to incorporate the Table 3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
2 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to three significant figures.
3 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA, R-EVE, and PFPrA.
4 - Total Table 3+ (18 compounds) does not include R-PSDA, Hydrolyzed PSDA, and R-EVE.
5 - Total Table 3+ (21 compounds) is the sum of all Table 3+ PFAS compounds.
6 - Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
-- - No data reported
< - Analyte not detected above associated reporting limit.

Table 6-3
Willis Creek PFAS Analytical Results
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Antecedent Daily Total Rainfall[6] (inches):	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***	***Jul 18 (0.00)***	***Nov 6 (0.00)***	***Feb 22 (0.00)***	***May 9 (0.00)***	***Jul 24 (0.20)***	***Nov 20 (0.00)***
	Jul 19 (0.10)	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Jul 19 (0.10)***	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***	***Jul 19 (0.10)***	***Nov 7 (0.00)***	***Feb 23 (0.00)***	***May 10 (0.00)***	***Jul 25 (0.00)***	***Nov 21 (0.41)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Jul 20 (0.47)***	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Jul 20 (0.47)***	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***
	WC-1						**WC-2**						**WC-3**					
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**CAP3Q22-WC-1-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-1-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-1-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-1-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-1-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-1-112323** Sample Date: 23-Nov-23	**CAP3Q22-WC-2-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-2-22-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-2-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-2-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-2-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-2-112323** Sample Date: 23-Nov-23	**CAP3Q22-WC-3-24-072122** Sample Date: 21-Jul-22	**CAP4Q22-WC-3-24-110922** Sample Date: 9-Nov-22	**CAP1Q23-WC-3-24-022523** Sample Date: 25-Feb-23	**CAP2Q23-WC-3-24-051223** Sample Date: 12-May-23	**CAP3Q23-WC-3-24-072723** Sample Date: 27-Jul-23	**CAP4Q23-WC-3-112323** Sample Date: 23-Nov-23
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.6**	**3.9**	**4.4**	**4.6**	**4.9**	**3.7**	**4.4**	**3.6**	**4.5**	**4.6**	**4.6**	**4.7 J**	**4.7**	**3.1**	**4.6**	**4.3**	**4.6**	**3.5**
Perfluorobutanoic Acid	**6.6**	**9.1**	**7**	**6.3**	**9**	<5.0	<5.0	**10.0**	<5.0	<5.0	**7.6**	<5.0 UJ	<5.0	<5.0	<5.0	<5.0	**5.8**	<5.0
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.4**	**2.9**	<2.0	**2.4**	**2.4**	<2.0	<2.0	**2.4**	<2.0	<2.0	**2.0**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**3.5**	**4.1**	**2.8**	**3.7**	**4.3**	<2.0	**3.0**	**3.9**	**2.6**	**3.1**	**3.8**	**2.3**	**2.6**	**2.3**	**2.1**	**2.7**	**3.0**	<2.0
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**13**	**13**	**7.8**	**11**	**9.9**	**3.4**	**8.8**	**13.0**	**5.0**	**7.3**	**8.1**	**5.1 J**	**5.5**	**4.5**	**3.6**	**5.1**	**4.9**	**2.6**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFOA	**9.7**	**10**	**5.8**	**7.7**	**7.2**	**2.1**	**3.4**	**5.1**	**2.8**	**3.1**	**5.6**	**2.3**	**2.4**	<2.0	<2.0	<2.0	**2.1**	<2.0
PFOS	**2.5**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.0 J**	**2.3**	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:
1 - The EPA Method 537 was modified to incorporate the Table3+ compounds. Beginning with the July 27, 2023 sampling, perfluoropropionic acid (PFPrA) was added to the compounds list.
Bold - Analyte detected above associated reporting limit.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise.
ng/L - nanograms per liter
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Mass Discharge
Quarterly Report #4 (Oct - Dec 2023)
Chemours Fayetteville Works
Fayetteville, NC

Sample Date	Willis Creek Flow (ft^3/sec)	Total Table 3+ Concentration (17 compounds) (ng/L)		PFAS Mass Discharge (Total Table 3+ 17 compounds) (mg/sec)		Δ PFAS Mass Discharge (Total Table 3+ 17 compounds) (mg/sec)
		WC-2	WC-1	WC-2	WC-1	Δ WC-2 TO WC-1
21-Jul-22	5.0	1,300	3,500	0.18	0.49	0.31
9-Nov-22	3.4	3,000	4,700	0.29	0.45	0.16
25-Feb-23	11.5	970	1,600	0.32	0.52	0.21
12-May-23	3.5	1,400	2,500	0.14	0.25	0.11
27-Jul-23	2.8	1,800	2,600	0.14	0.20	0.06
23-Nov-23	15.5	920	690	0.40	0.30	-0.10

Notes:

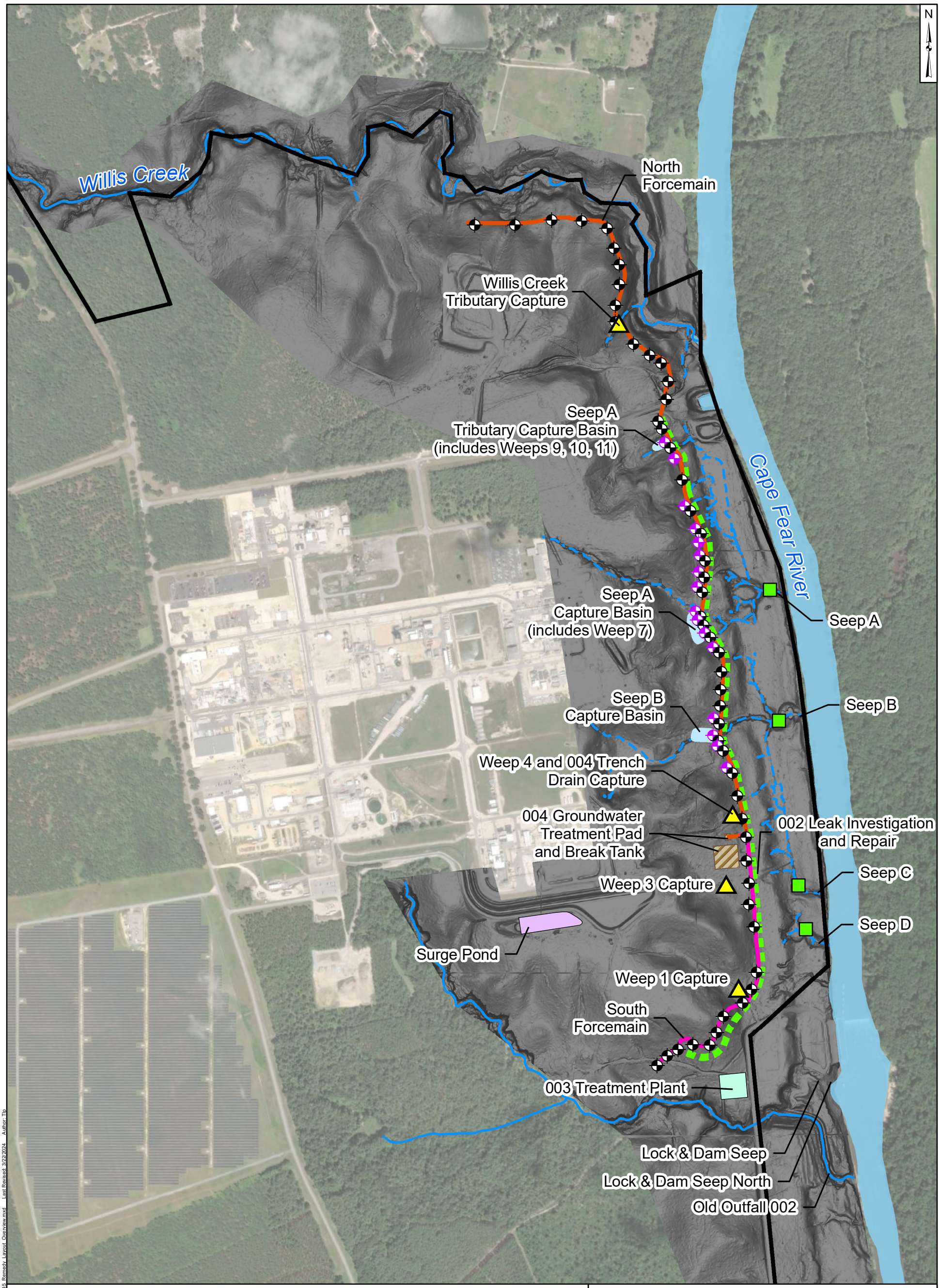
1 - Willis Creek (WC) flow was measured using the Marsh-McBirney method. Flow measurements were made at location WC-1 on the same day as analytical sampling, except for the February 25, 2023 sampling event, which had flow measured at WC-6 on February 13, 2023.

2 - The total Table 3+ concentration (17 compounds) is rounded to two significant figures. Presented values of flow and mass discharge are limited to 1 and 2 decimal places, respectively.

3 - WC-2 is located approximately at the upgradient end of the long-term remedy alignment, and WC-1 is located approximately near the confluence with the Cape Fear River.

ft^3/sec - cubic foot per second
Δ - delta or change
ng/L - nanograms per liter
mg/sec - milligrams per second

Figures



Legend

- Surficial Aquifer Extraction Well
- Black Creek Aquifer Extraction Well
- Ex-situ Capture Location
- Flow-Through Cell
- North Forcemain
- South Forcemain
- Barrier Wall
- Site Boundary
- Seep
- Nearby Tributary to River

1,000 500 0 1,000 Feet

Notes:
1. Surficial Aquifer extraction wells 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 (MajorHydro shapefile).
3. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Remedy Layout Overview

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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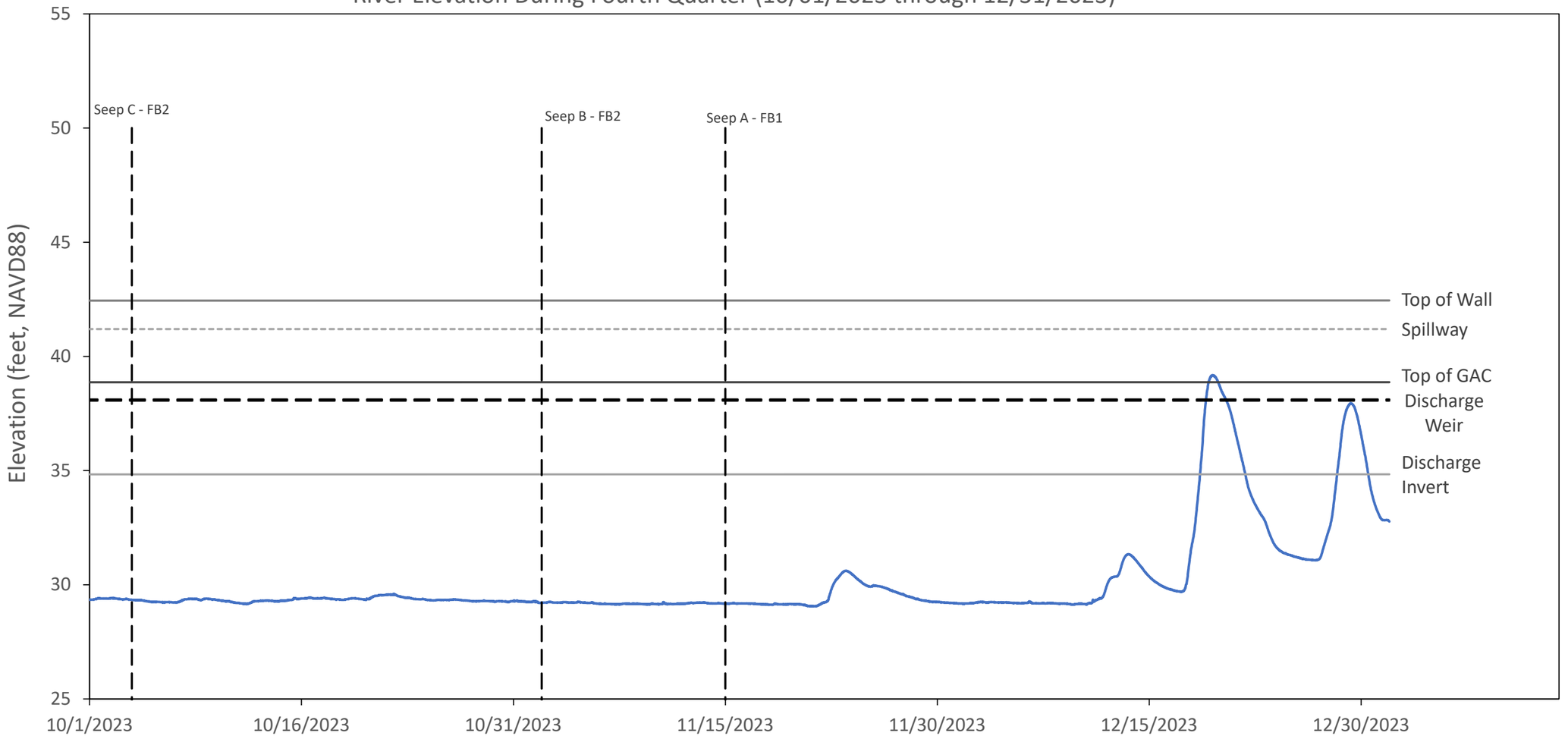
Figure 1-1

Path: \\Guelph-01\Data\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795 Remedy Layout Overview.mxd Last Revised: 3/22/2024 Author: Tip

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

River Elevation During Fourth Quarter (10/01/2023 through 12/31/2023)



Legend

River

GAC Changeout

Notes:

As-built survey information for Seep C from RMA Surveying October 2020.

River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.

For clarity of presentation, Figure 1 shows Seep C elevations only.

FB1/FB2 = Filter Bed 1/Filter Bed 2

GAC = Granular Activated Carbon

River Level During Reporting Period & FTC As-Built Elevations

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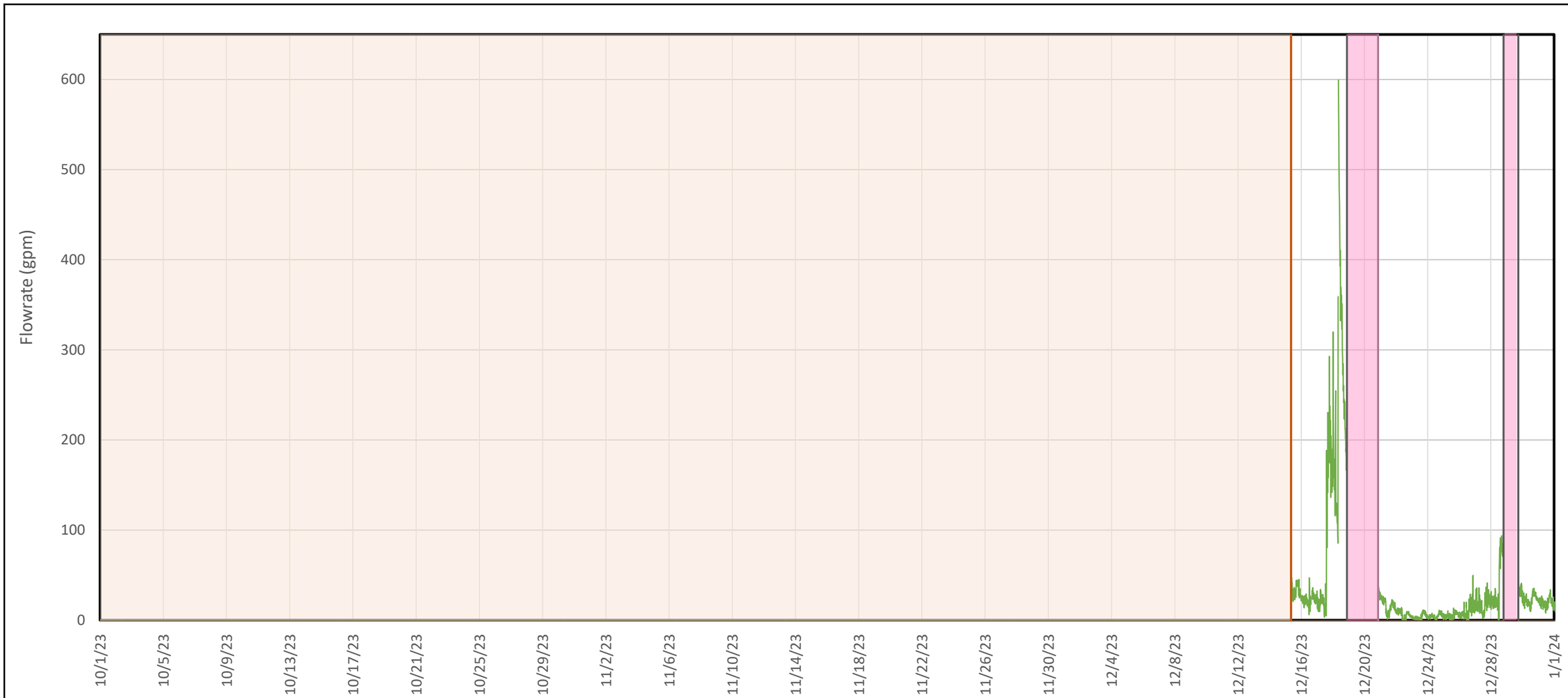
Figure 2-1



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data.

From Dec. 18 to 20, 2023 and Dec. 28 to 29, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See section 2.3.5 for more details.

FTC Discharge Flowrate
(Oct - Dec 2023) - Seep A

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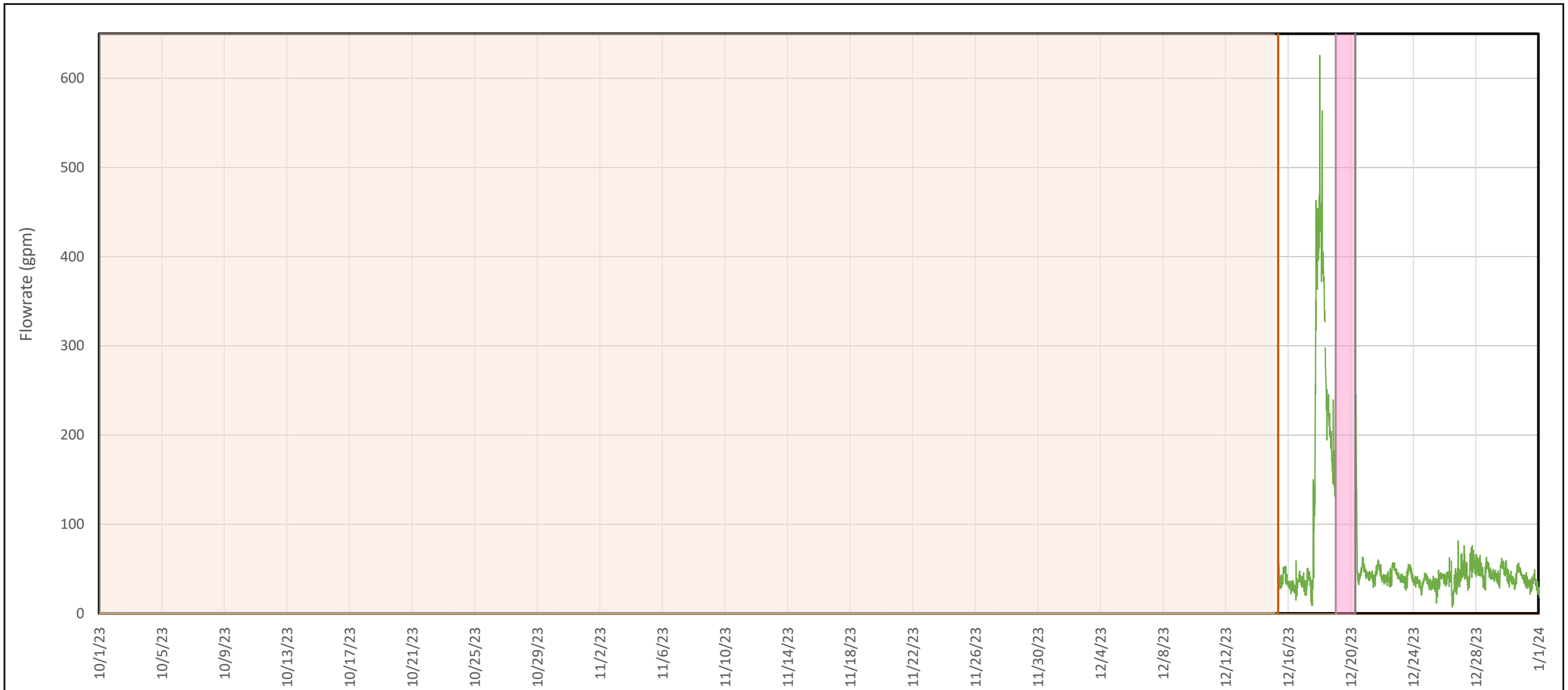
Figure 2-2A



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data.

From Dec. 18 to 19, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See section 2.3.5 for more details.

FTC Discharge Flowrate
(Oct - Dec 2023) - Seep B

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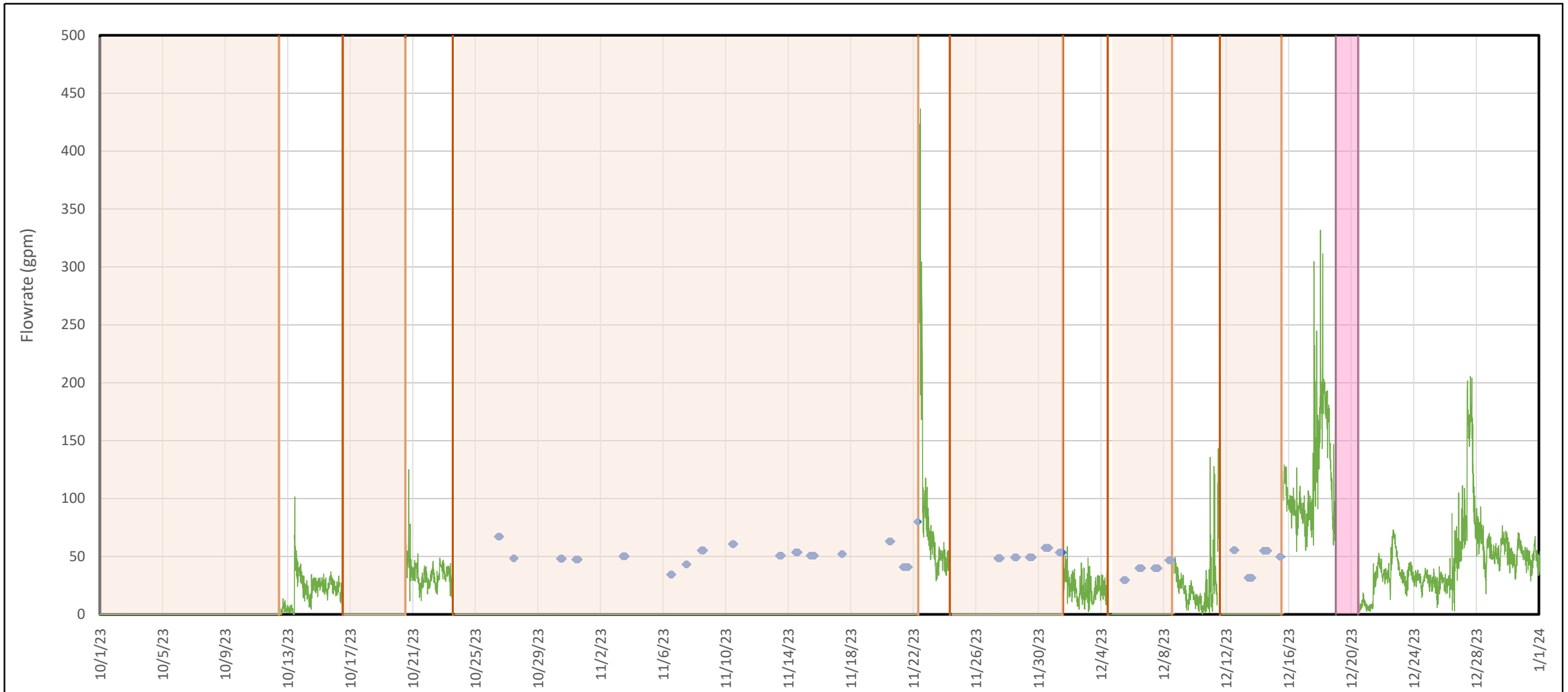
Figure 2-2B



Legend

- Measured Discharge Flowrate
- Pumping Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir

Notes:
gpm - gallons per minute
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure depicts two types of processing: (1) Passive flow through the system is calculated using the Effluent Stilling Basin transducer data (green line). (2) Periodically during batch mode, the impoundment was pumped into the filter beds through a flowmeter skid; the approximate flow rate during intermittent pumping is shown with blue diamond symbols.
From Dec. 18 to 20, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See section 2.3.5 for more details.

FTC Discharge Flowrate
(Oct - Dec 2023) - Seep C
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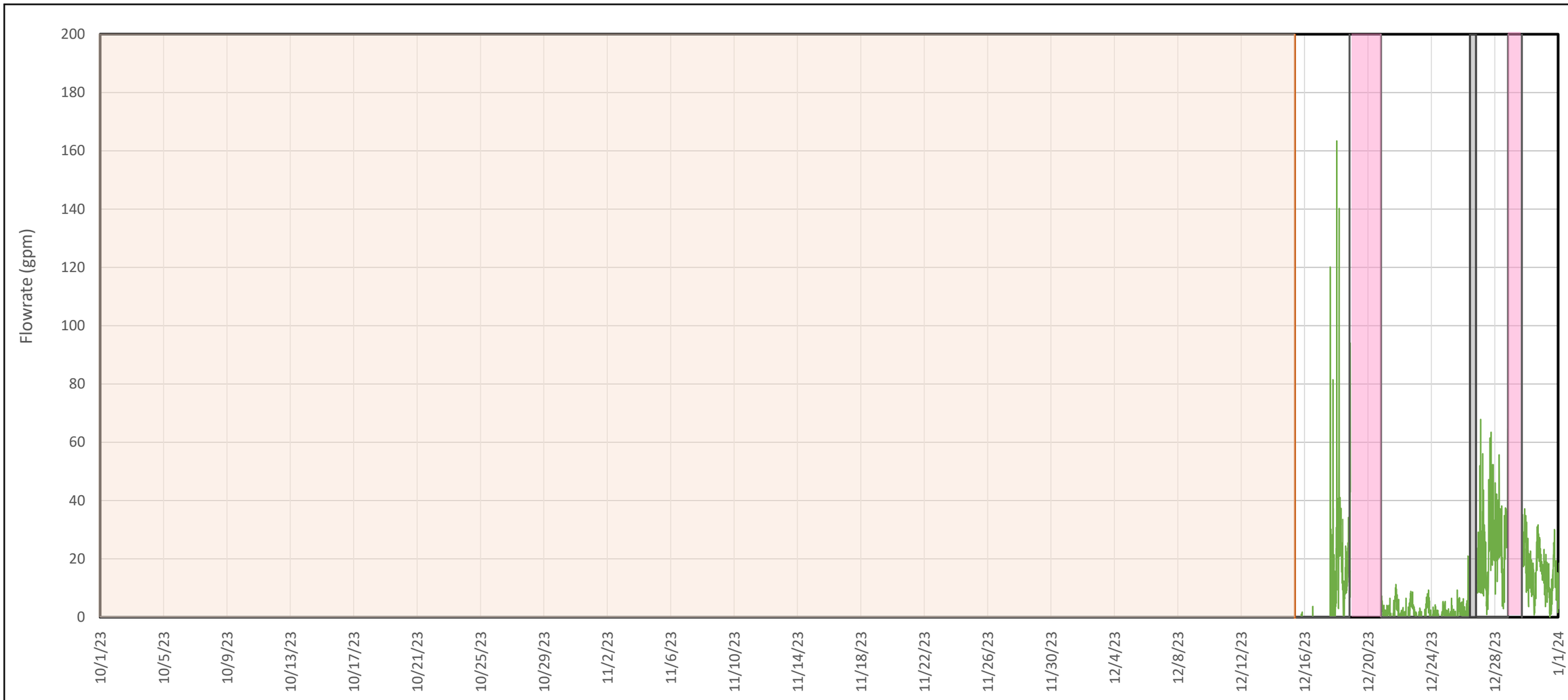
Figure 2-2C



Legend

- Measured Discharge Flowrate
- FTC off, no flow
- Cape Fear River Above Discharge Weir Elevation
- Transducer Data Gap

Notes:

gpm - gallons per minute

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data.

From Dec. 18 to 20, 2023, and Dec. 28 to 29, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See section 2.3.5 for more details.

On Dec. 26, 2023, the chain of the effluent transducer broke and discharge flowrate was not accurately measured for approximately 11 hours.

FTC Discharge Flowrate
(Oct - Dec 2023) - Seep D
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Fayetteville, North Carolina

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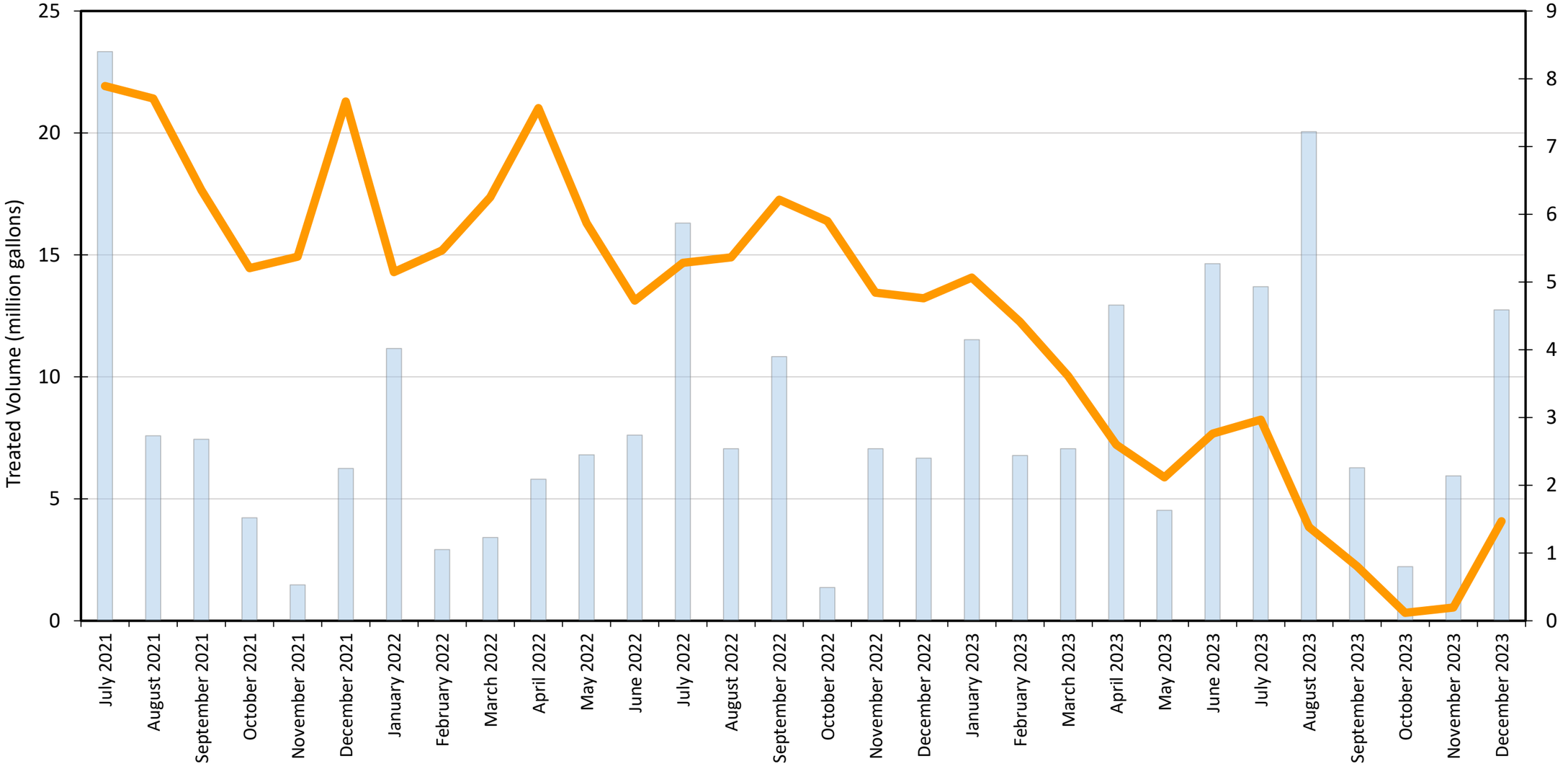
Figure 2-2D



Legend

Monthly Total Volume Treated by the Flow-Through Cells (FTCs)

USGS Precipitation (monthly totals)

Notes:

The FTCs at Seeps A, B, C, and D became operational by late June 2021. This figure represents the monthly total volume treated by the FTCs beginning July 2021.

Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023.

FTC Monthly Total Discharge Volumes (July 2021 - December 2023)

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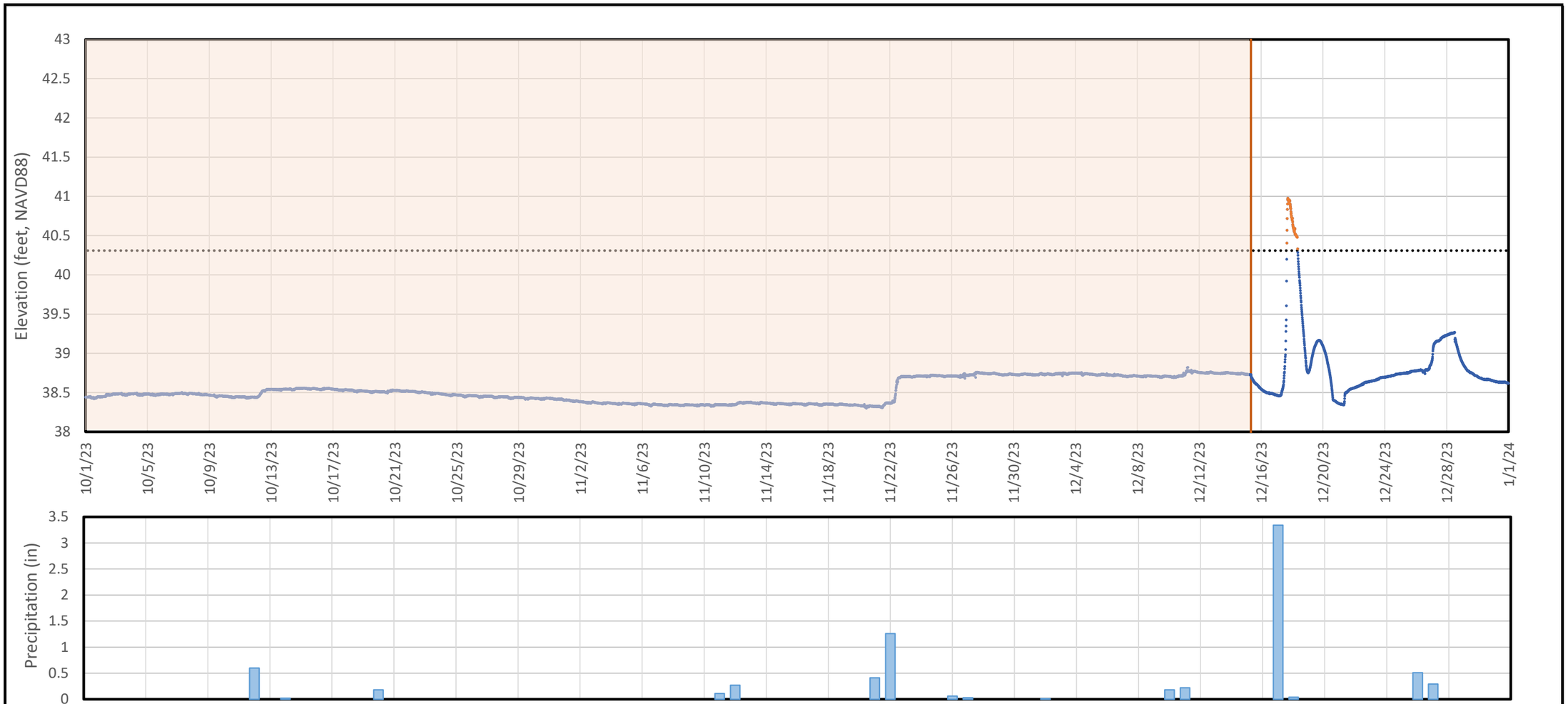
Figure 2-3



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure depicts the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line.
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

FTC Influent Water Elevation (Oct - Dec 2023) - Seep A

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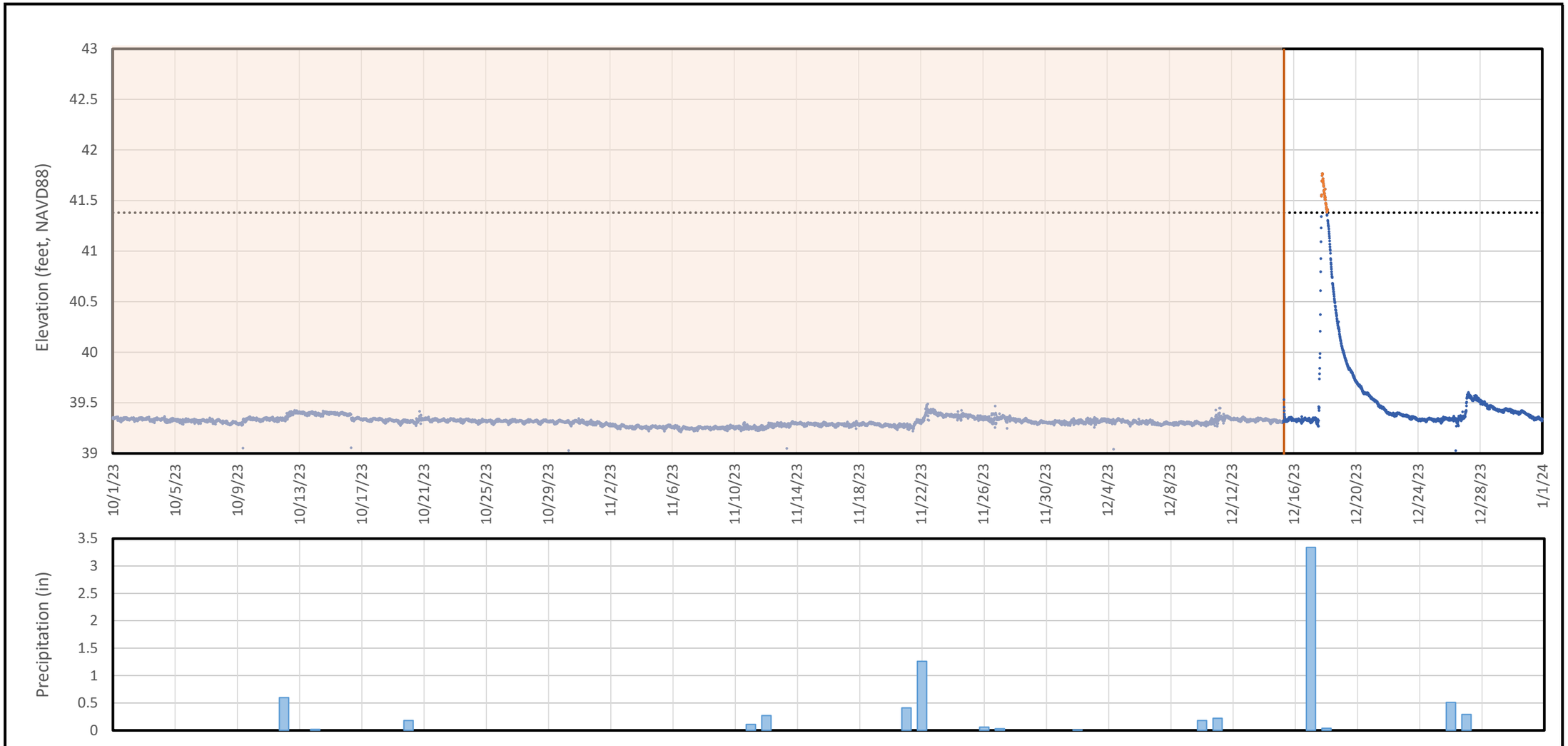
Figure 2-4A



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line.

Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

FTC Influent Water Elevation (Oct - Dec 2023) - Seep B

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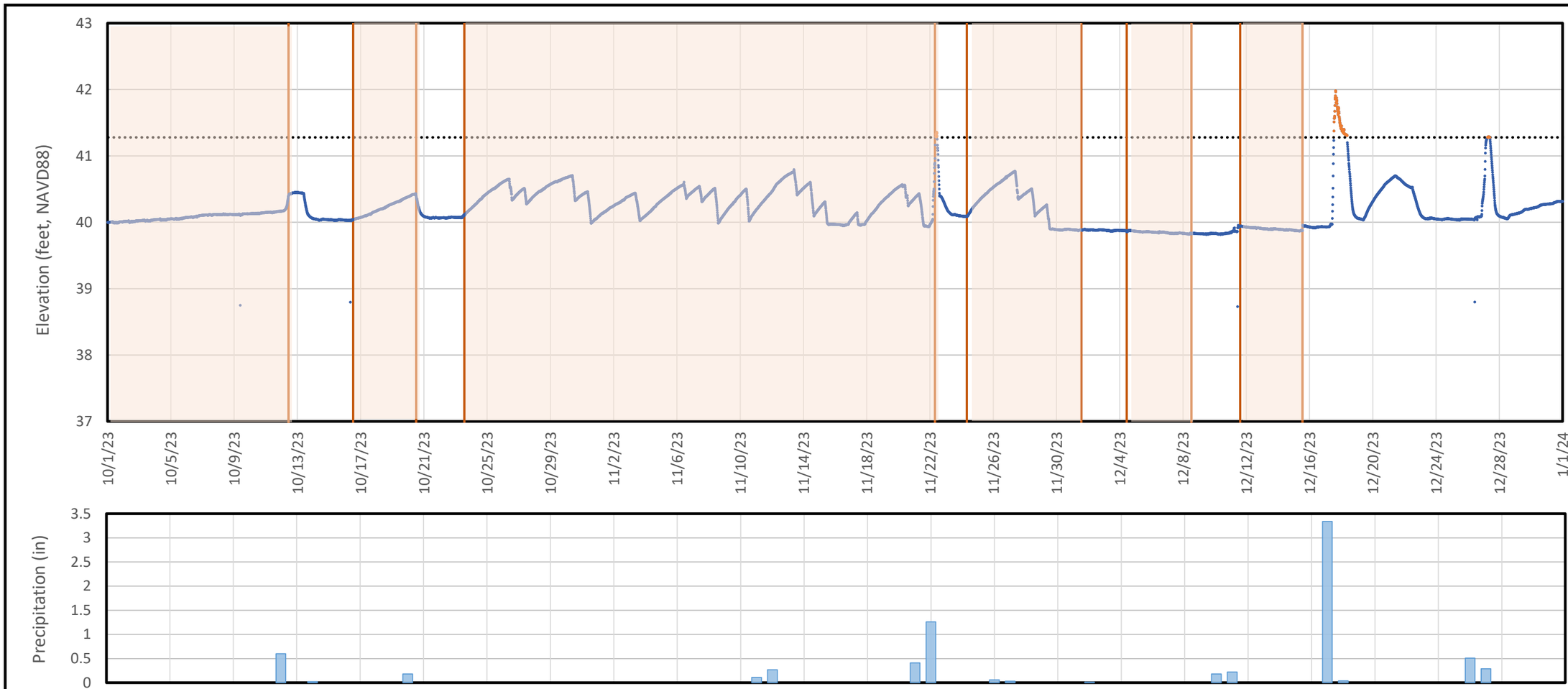
Figure 2-4B



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line.

Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC Influent Water Elevation (Oct - Dec 2023) - Seep C

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Fayetteville, North Carolina

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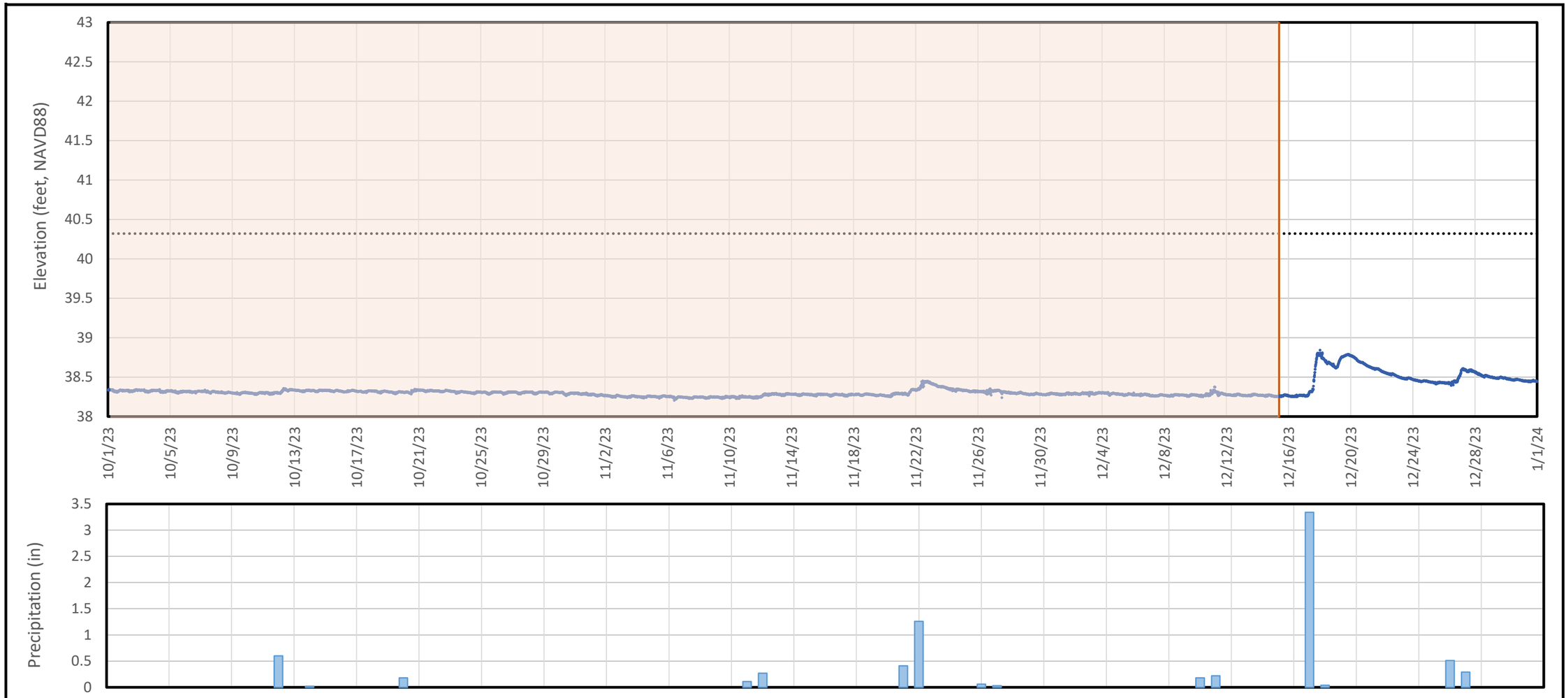
Figure 2-4C



Legend

- Influent Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown as an orange line.
Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC Influent Water Elevation (Oct - Dec 2023) - Seep D

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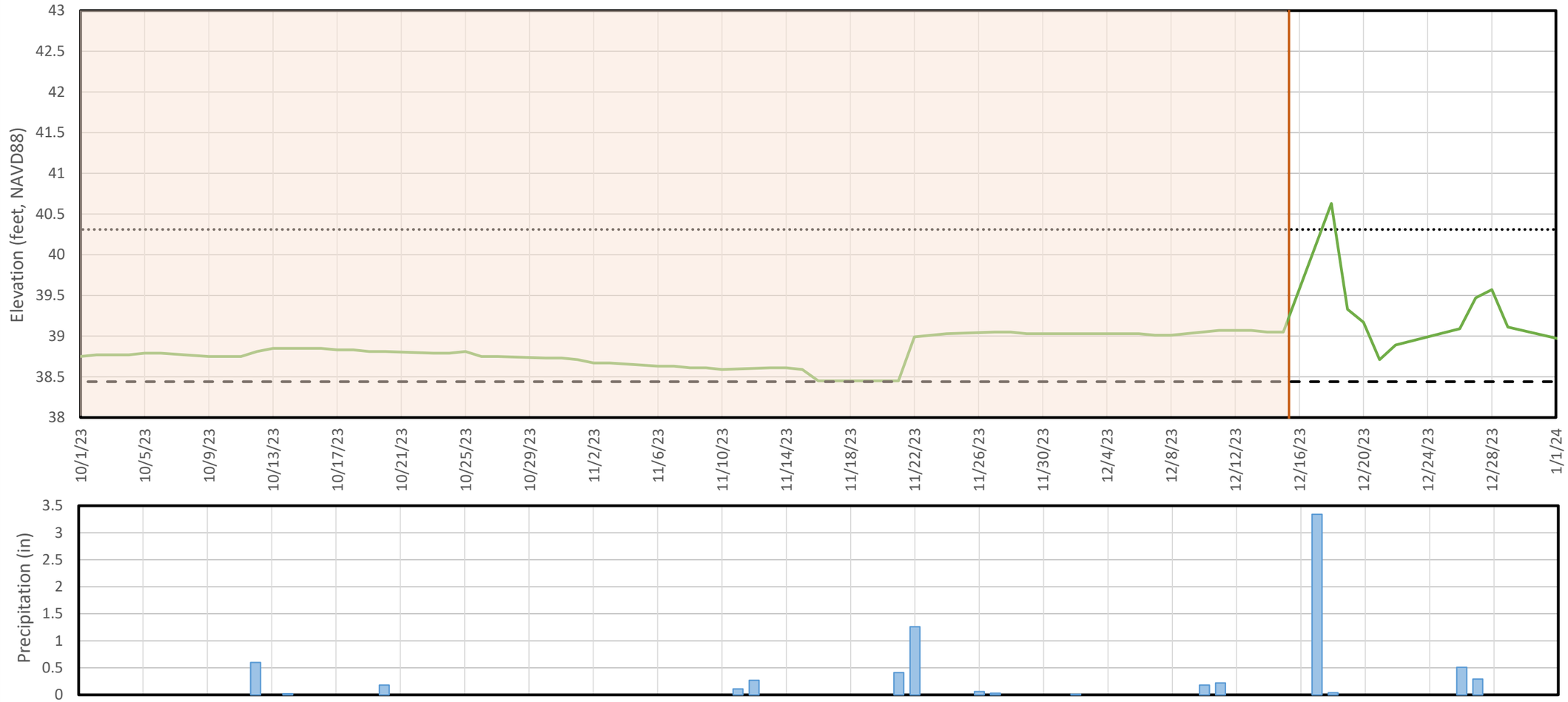
Figure 2-4D



Legend

- Staff Gauge Water Elevation
- Inlet Weir Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure shows the daily staff gauge water elevation that was collected during the reporting period (green line).
Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

FTC Staff Gauge Water Elevation (Oct - Dec 2023) - Seep A

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Fayetteville, North Carolina

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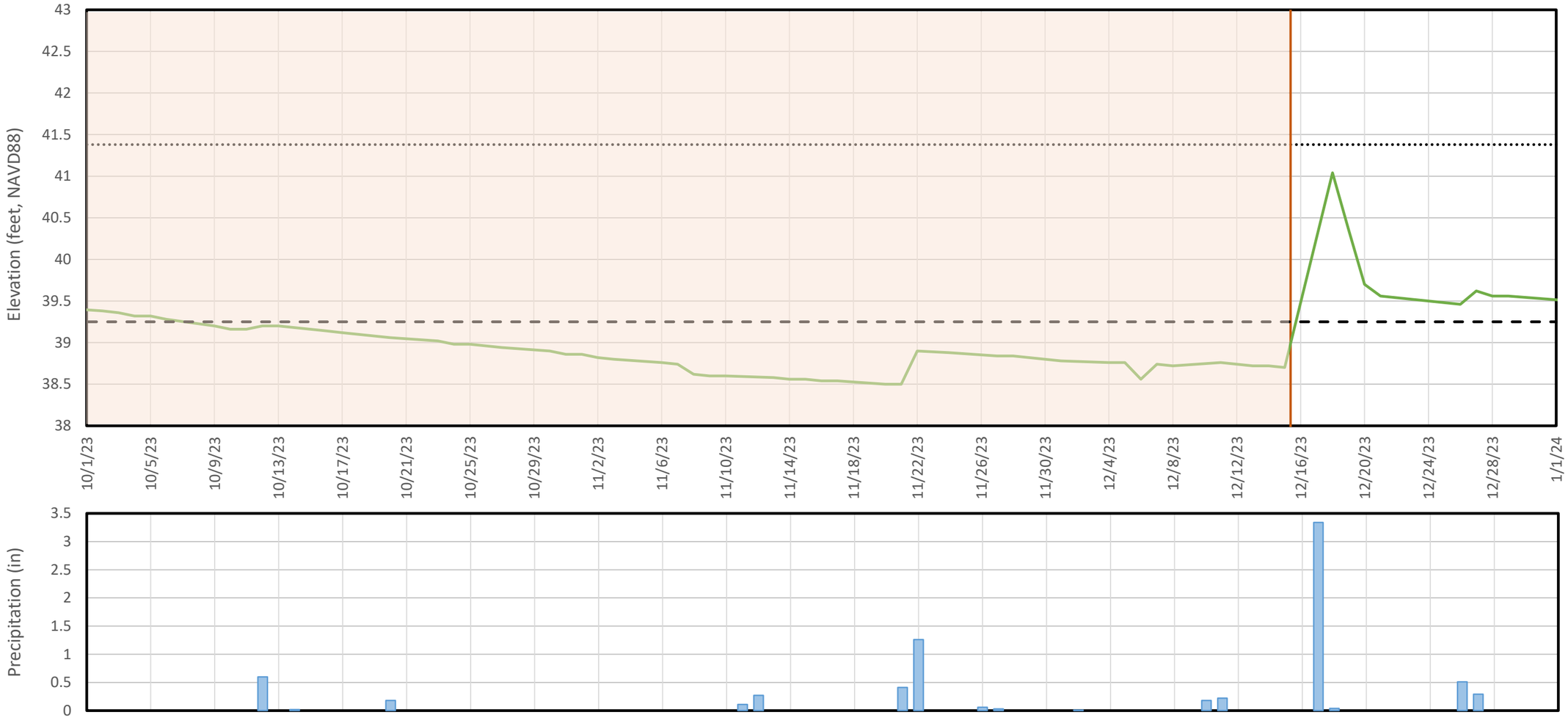
Figure 2-5A



Legend

- Staff Gauge Water Elevation
- Inlet Weir Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

This figure shows the daily staff gauge water elevation data that was collected during the reporting period (green line).

Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.

FTC Staff Gauge Water Elevation (Oct - Dec 2023) - Seep B

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Fayetteville, North Carolina

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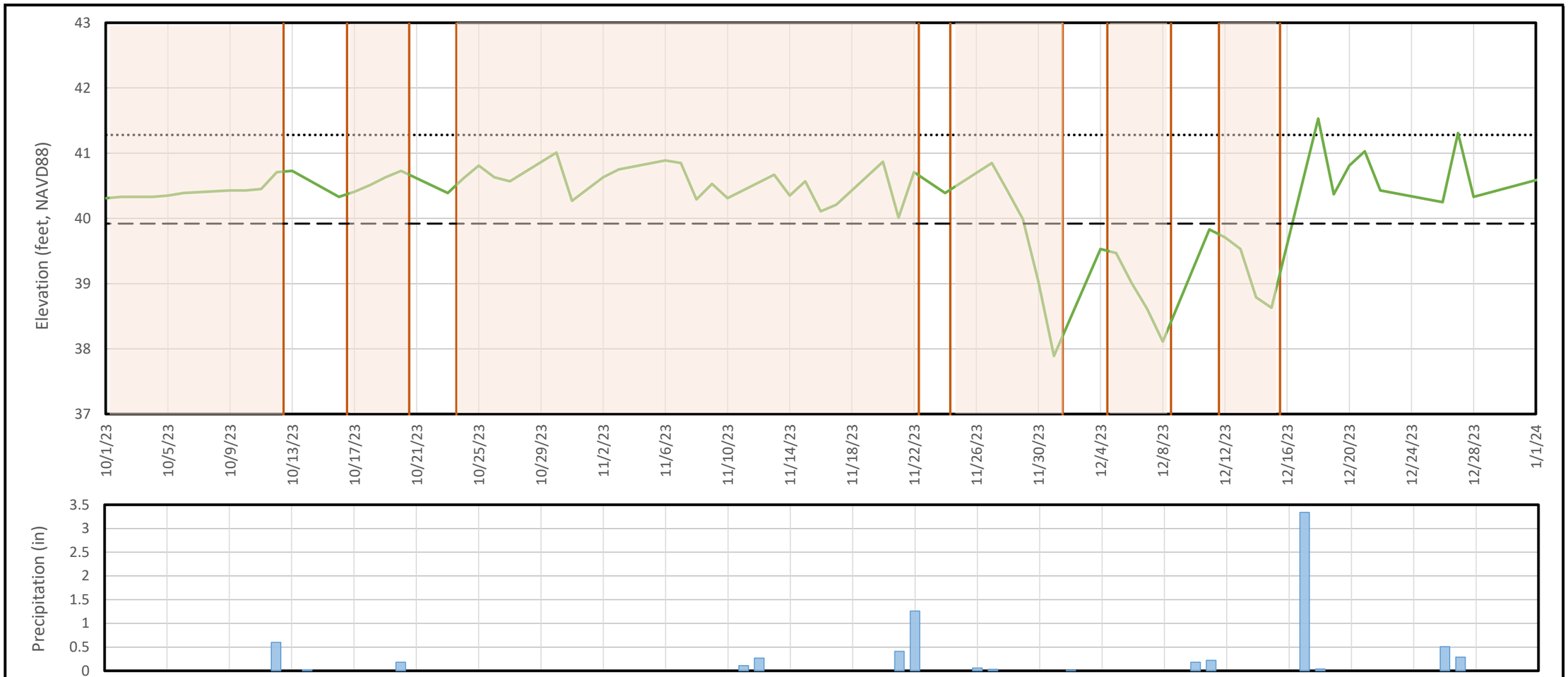
Figure 2-5B



Legend

- Staff Gauge Water Elevation
- Inlet Weir Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:

Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure shows the daily staff gauge water elevation data that was collected during the reporting period (green line).
Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC Staff Gauge Water Elevation (Oct - Dec 2023) - Seep C

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Fayetteville, North Carolina

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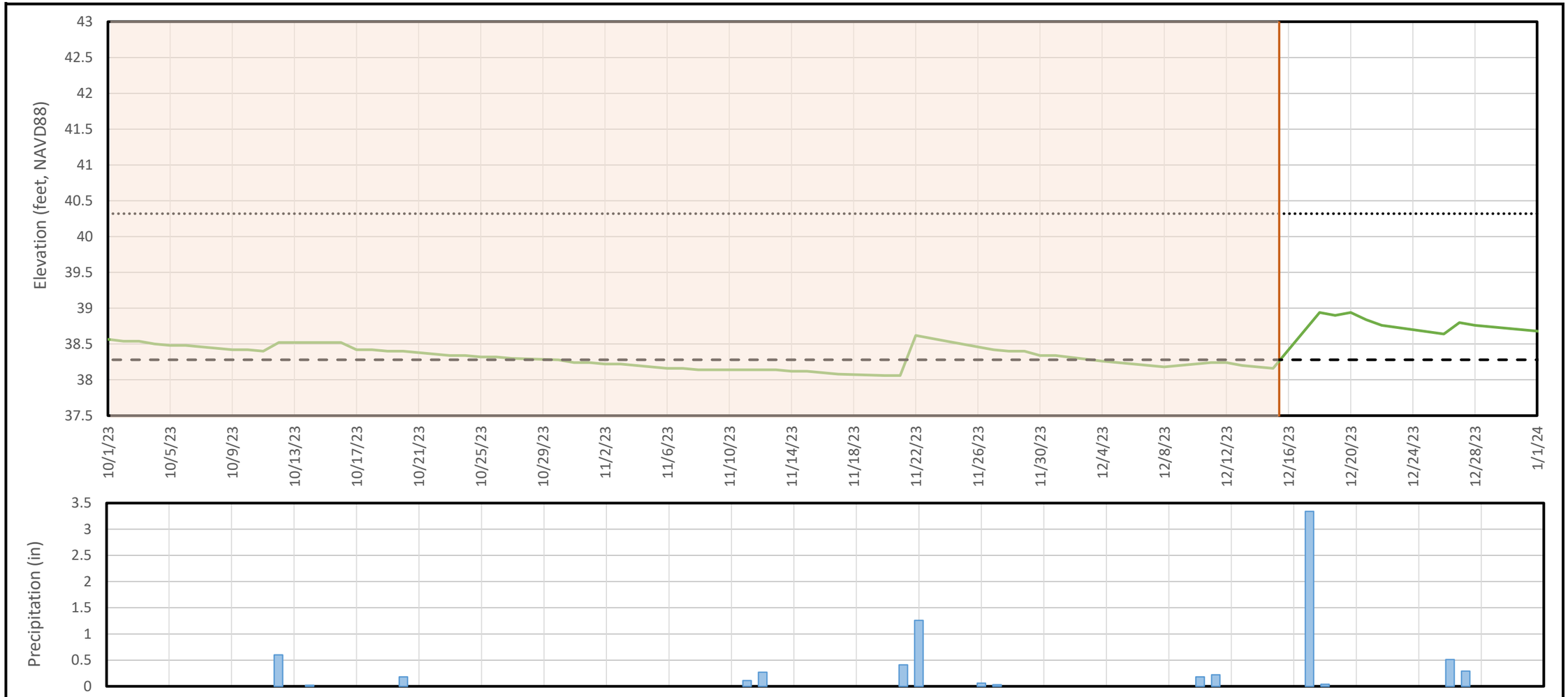
Figure 2-5C



Legend

- Staff Gauge Water Elevation
- Inlet Weir Elevation
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

Notes:
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.
This figure shows the daily staff gauge water elevation data that was collected during the reporting period (green line).
Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

FTC Staff Gauge Water Elevation (Oct - Dec 2023) - Seep D

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Fayetteville, North Carolina

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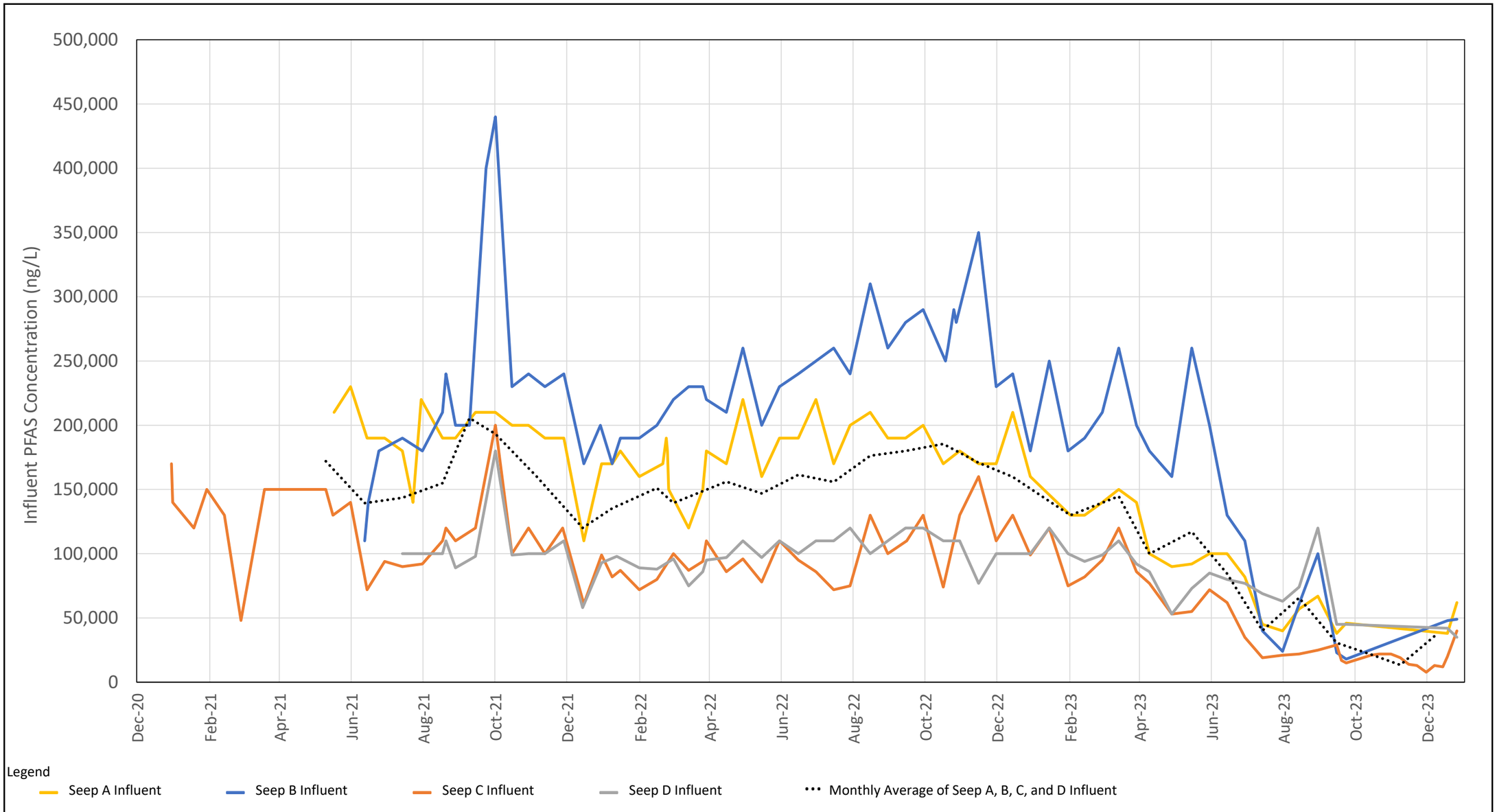
Figure 2-5D



Notes:
The FTCs at Seeps A, B, C, and D all became operational by late June 2021. This figure represents the monthly influent concentration of Total Table 3+ PFAS (17+ compounds).
The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023.

FTC Influent PFAS Concentrations

Chemours Fayetteville Works
Fayetteville, North Carolina

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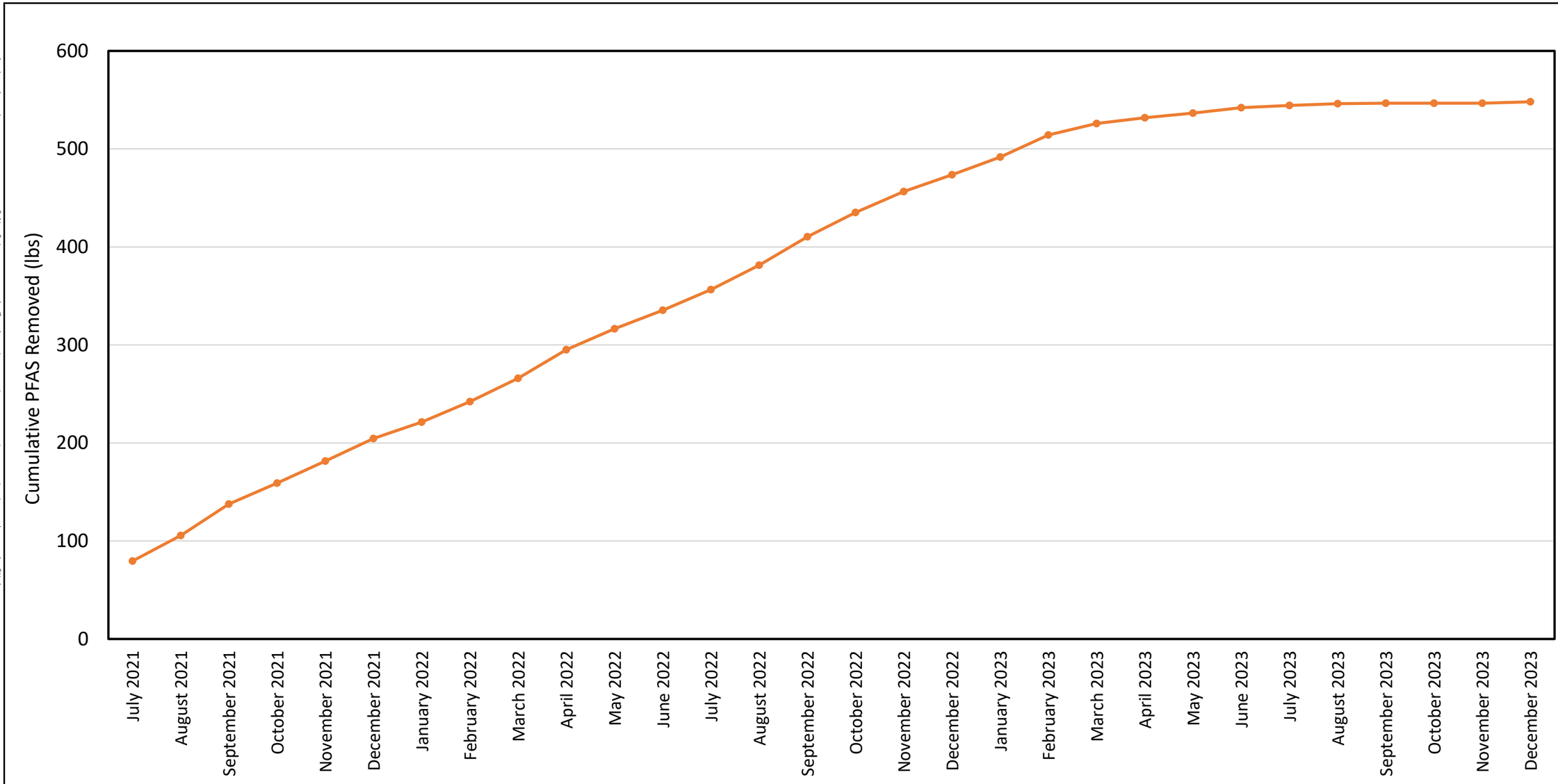
Figure 2-6

https://geosyntec.sharepoint.com/sites/ChemoursFW/Shared Documents/GWEC OMM/03 - Reporting/Report #4 Oct-Dec 2023/Figures/[Figure 2-7 - FTC Mass Removal Curve (17 Compounds).xlsx]Mass Removal Data



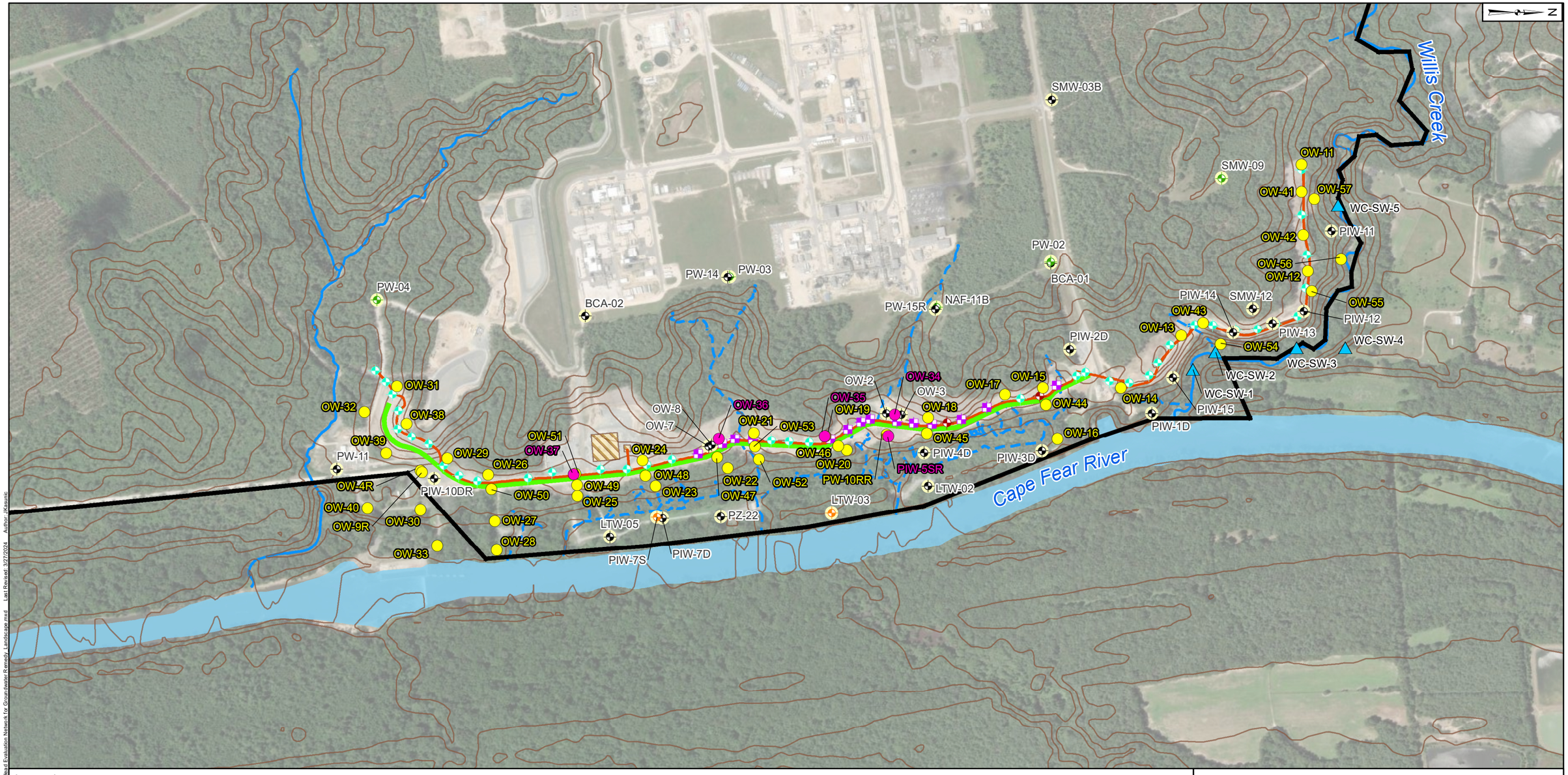
Notes:
The FTCs at Seeps A, B, C, and D became operational by late June 2021. This figure presents the cumulative pounds (lbs) of PFAS removed by the FTCs beginning July 2021.
Total lbs of PFAS removed is calculated for Total Table 3+ (17 Compounds).
The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023.

FTC Mass Removal Curve
(July 2021 - December 2023)
Chemours Fayetteville Works
Fayetteville, North Carolina

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

Raleigh, NC | March 2024

Figure
2-7



Legend

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Surficial and Black Creek Aquifer Extraction Well
- Willis Creek Stilling Well
- Hydraulic Head Observation (Existing Well)
- Hydraulic Head Observation (New Observation Well - Black Creek Aquifer)
- Hydraulic Head Observation (New Observation Well - Surficial Aquifer)
- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 ft NAVD88
- Groundwater Treatment Pad
- Ground Surface Elevation Contour (ft NAVD88) - 10 feet interval
- Seep
- Nearby Tributary
- Nearby Tributary to River
- Cape Fear River

Notes:
ft NAVD88 - feet North American Vertical Datum 1988.
1. Some wells have been offset for visibility. Therefore, the placement of wells on this map do not reflect their true geographic coordinates.
2. Ground surface elevation contours are based on 20-foot DEM grid cells generated from LiDAR. Data from NC OneMap (https://assets.nconemap.gov/pages/hub/ncom-contours-dd.htm).
3. 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).
4. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1,000 500 0 1,000 Feet

Hydraulic Head Evaluation Network for Groundwater Remedy

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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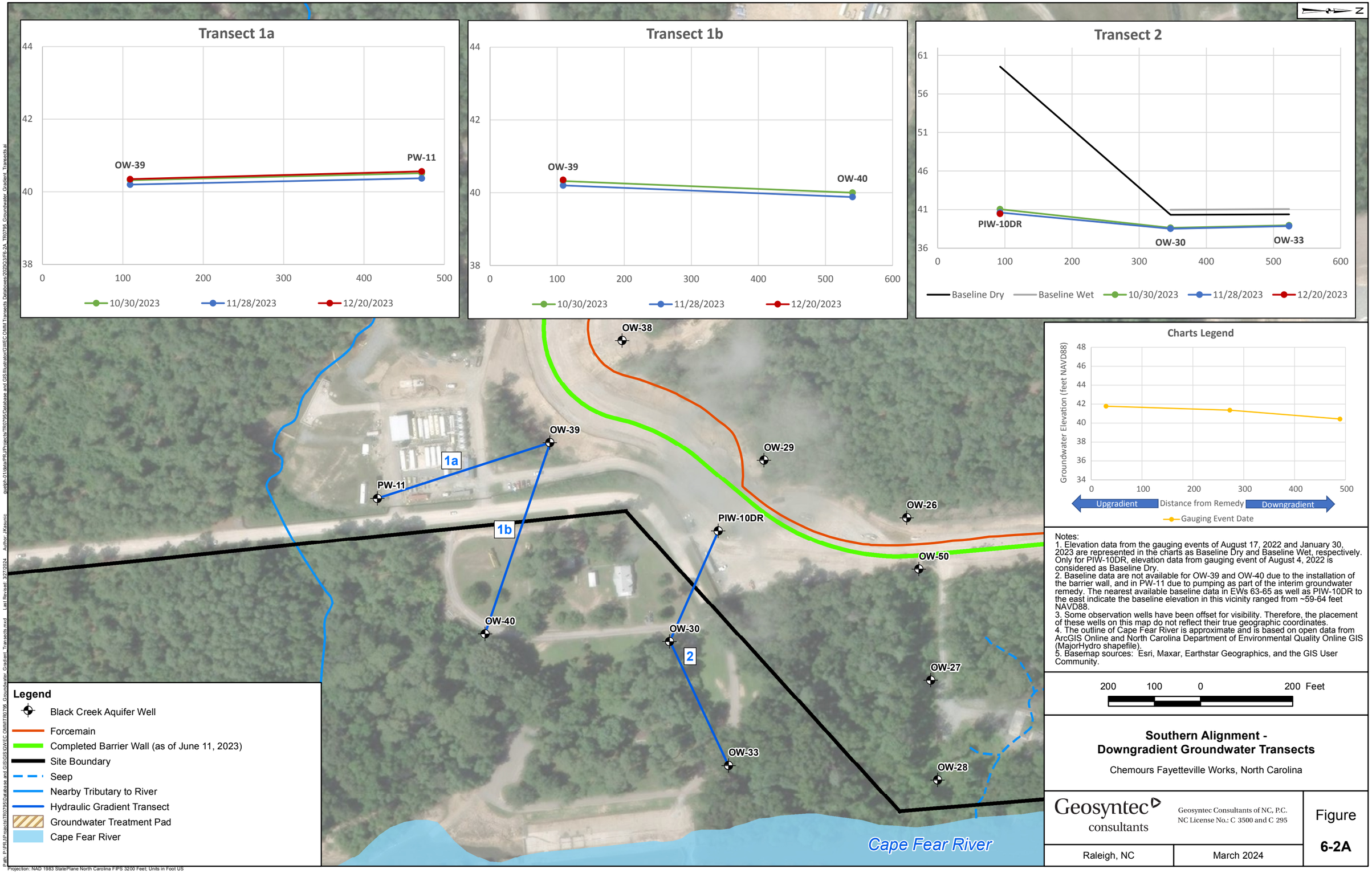
Figure 6-1

Path: P:\PRJ\Projects\TR0795\Data\ae and GIS\GIS\GWEC OMMTR0796 Hydraulic Head Evaluation Network for Groundwater Remedy_Landscape.mxd Last Revised: 3/27/2024 Author: JKasunic

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



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively. Only for PIW-10DR, elevation data from gauging event of August 4, 2022 is considered as Baseline Dry.
2. Baseline data are not available for OW-39 and OW-40 due to the installation of the barrier wall, and in PW-11 due to pumping as part of the interim groundwater remedy. The nearest available baseline data in EWs 63-65 as well as PIW-10DR to the east indicate the baseline elevation in this vicinity ranged from ~59-64 feet NAVD88.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
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 sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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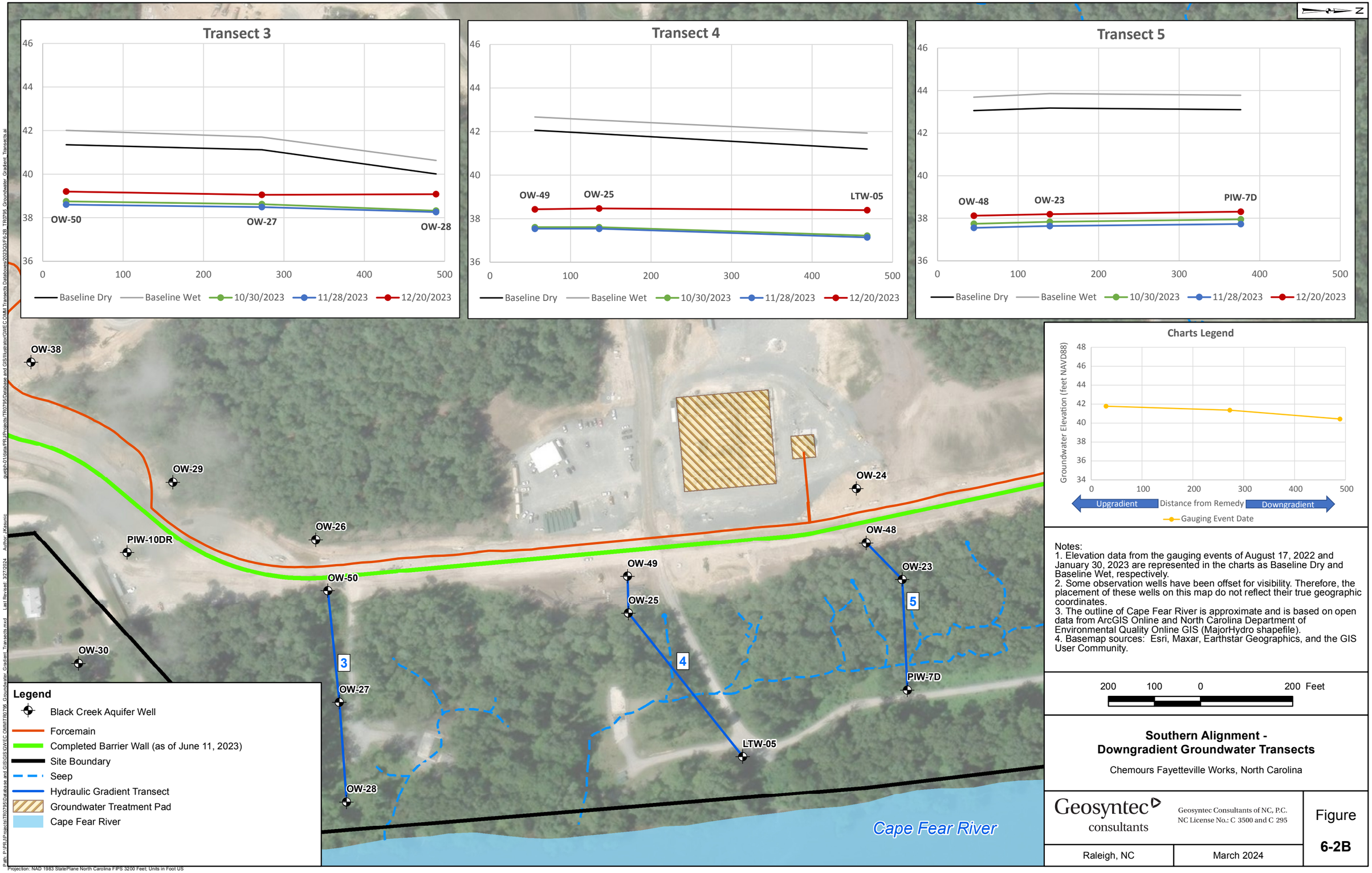
Figure **6-2A**

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

Path: P:\PRJP\projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795 Groundwater Gradient Transects.mxd Last Revised: 3/27/2024 Author: JKrasnic guelph-01\data\PRJP\projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\2023Q3\F6-2A_TR0795_Groundwater Gradient_Transects.ai



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. 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).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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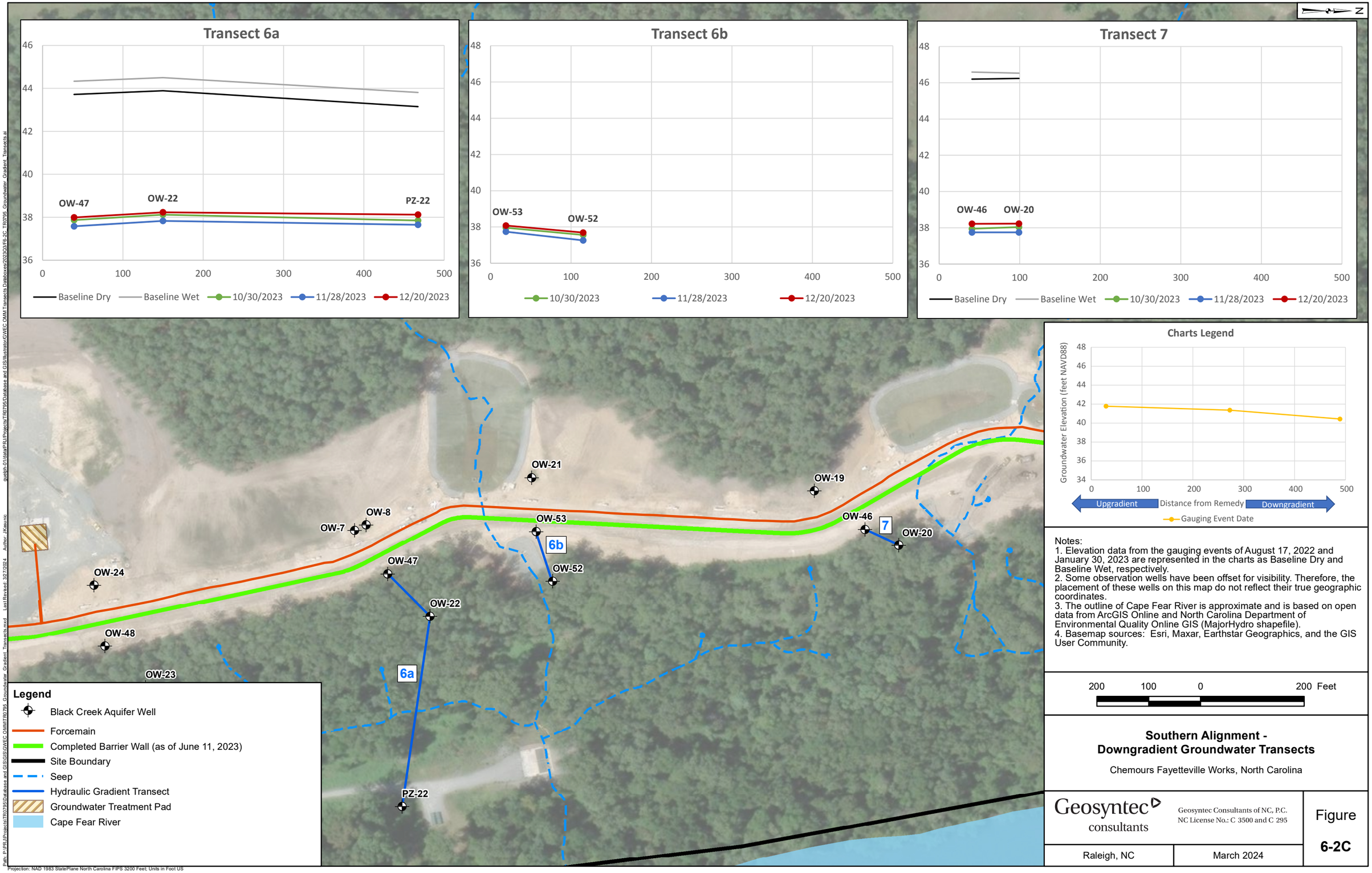
Raleigh, NC | March 2024

Figure **6-2B**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Groundwater_Gradient_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic guelph-01\data\PRJ\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databases\2023\03\F6-2B_TR0795_Groundwater_Gradient_Transects.ai

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



Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. 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).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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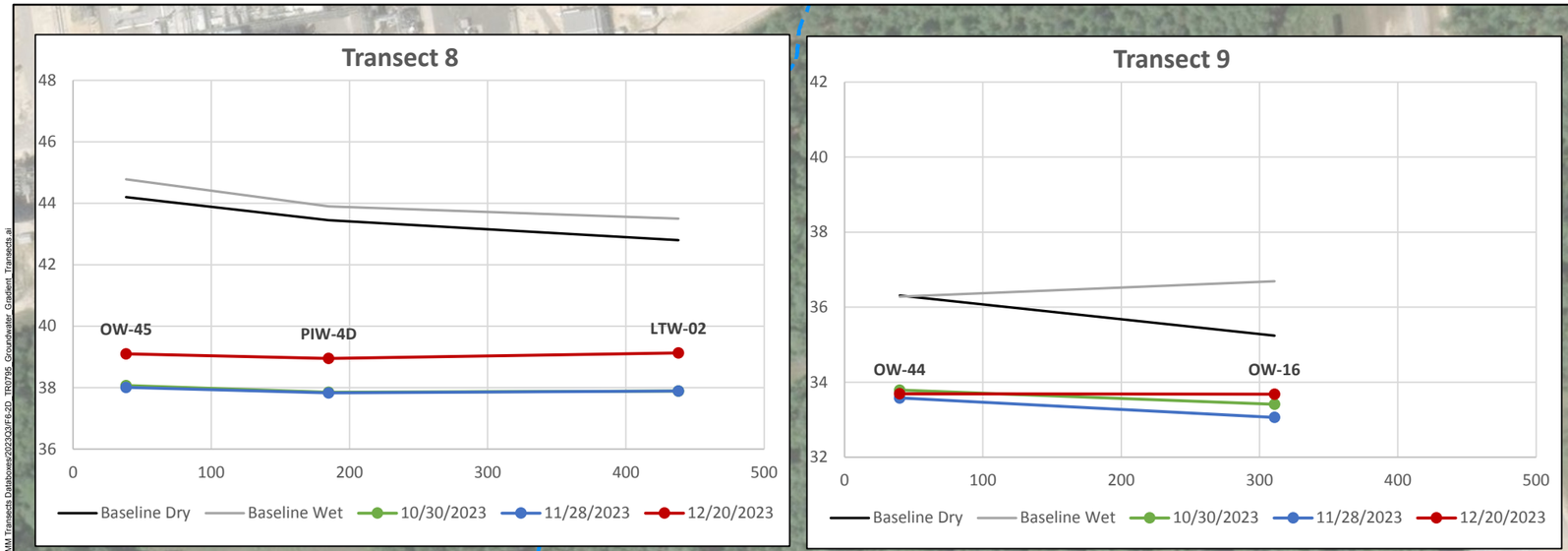
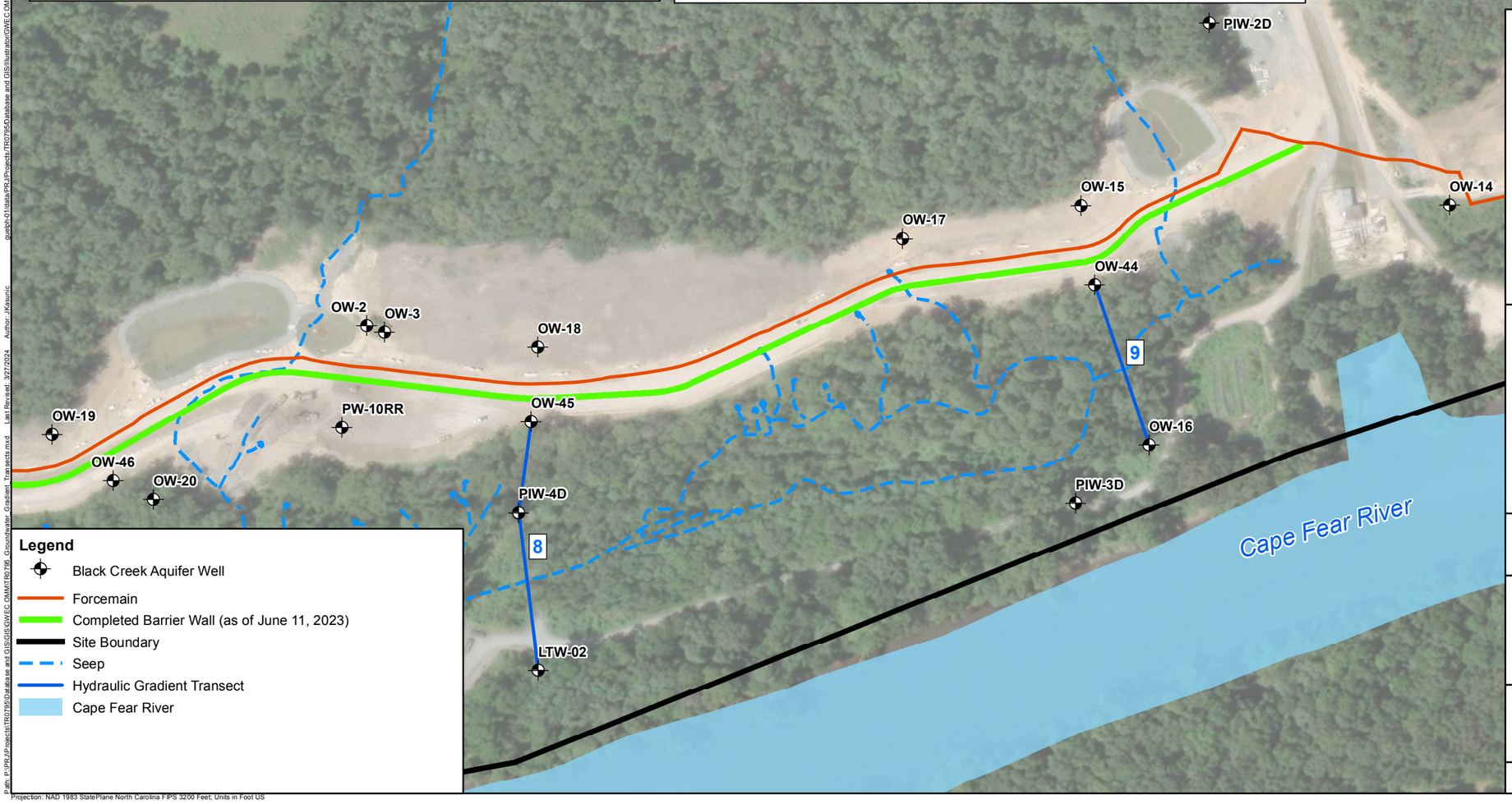
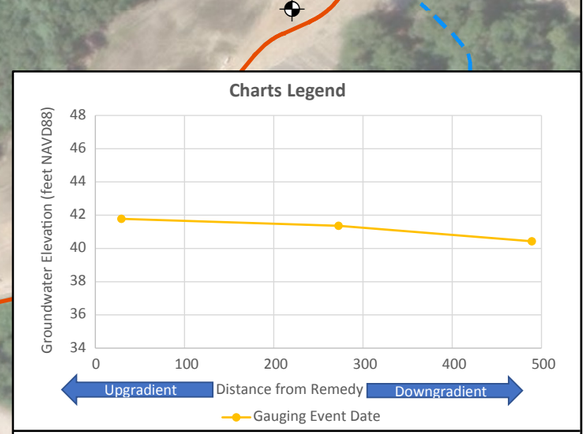
Figure **6-2C**

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

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795 Groundwater Gradient Transects.mxd Last Revised: 3/27/2024 Author: JKeunic guelph-01\data\PRJ\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\2023Q3\FR-2C TR0795 Groundwater Gradient Transects.ai







Notes:
1. Elevation data from the gauging events of August 17, 2022 and January 30, 2023 are represented in the charts as Baseline Dry and Baseline Wet, respectively.
2. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
3. 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).
4. Basemap sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

200 100 0 200 Feet

Southern Alignment - Downgradient Groundwater Transects

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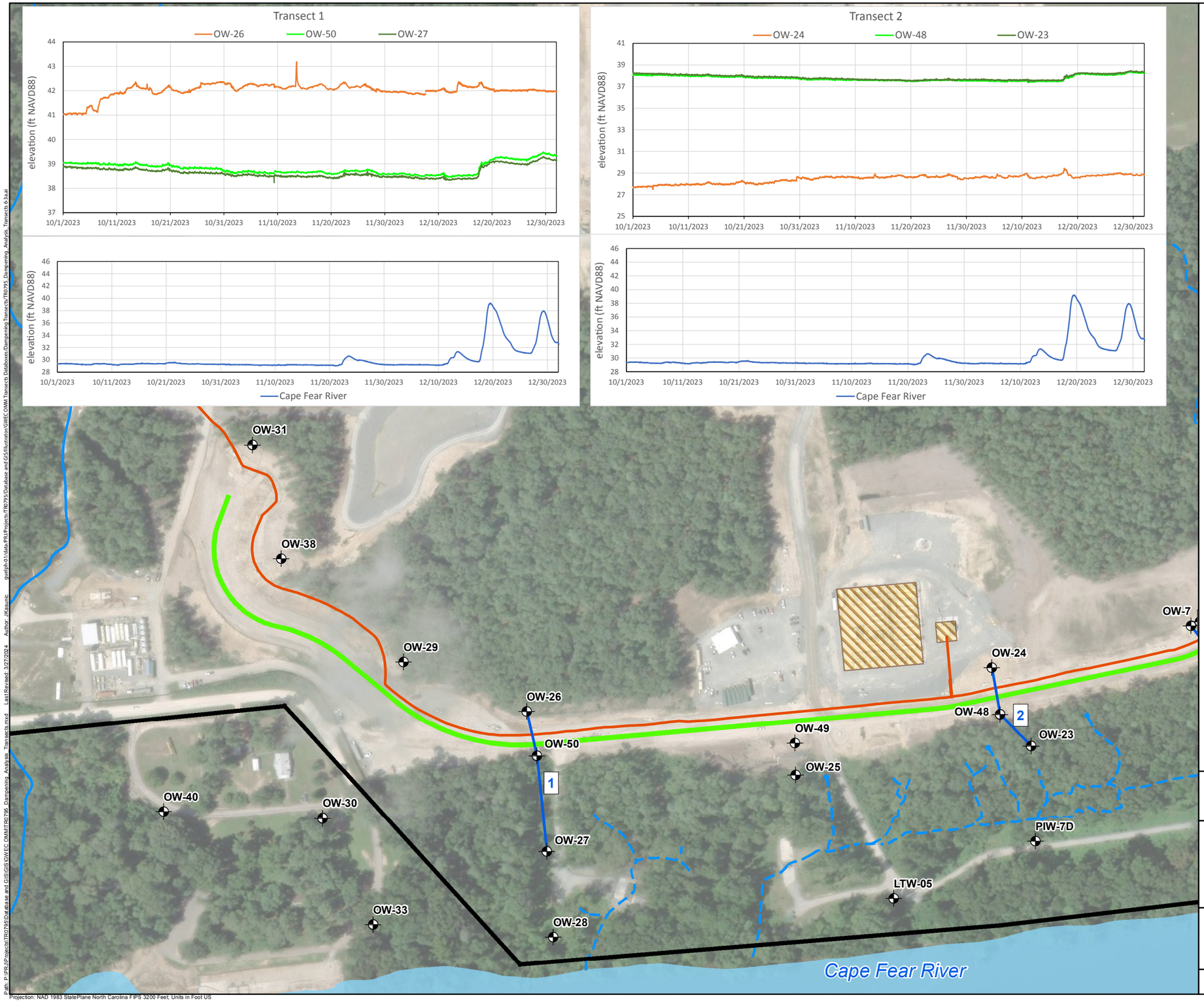
Figure **6-2D**

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

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Groundwater_Gradient_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic guelph-011\data\PRJ\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Database\2023Q3\F6-2D_TR0795_Groundwater_Gradient_Transects.ai



Legend

- Black Creek Aquifer Well
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Nearby Tributary to River
- Dampening Analysis
- Groundwater Treatment Pad
- Cape Fear River

Notes:
1. Gaps in elevation data for some wells in Transects 4, 5, and 6 are due to malfunctioning of installed transducers.
2. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
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 sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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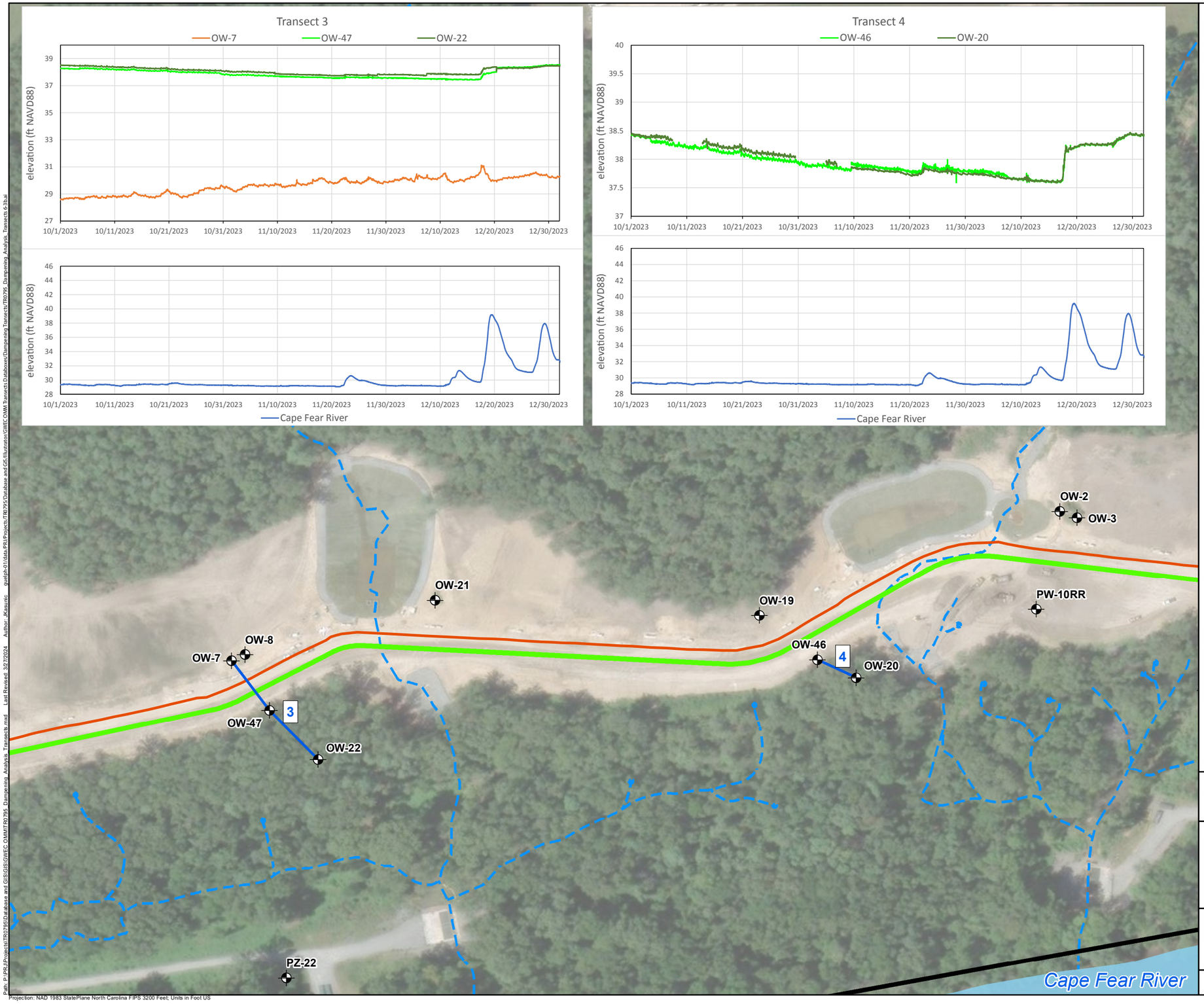
Figure **6-3A**

Path: P:\PR\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Dampening_Analysis_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic gwfph-01/data/PR\Projects/TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\Dampening Transects\TR0795_Dampening_Analysis_Transects 6-3a.ai

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



Legend

- Black Creek Aquifer Well
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Dampening Analysis Transect
- Cape Fear River

Notes:
1. Gaps in elevation data for some wells in Transects 4, 5, and 6 are due to malfunctioning of installed transducers.
2. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
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 sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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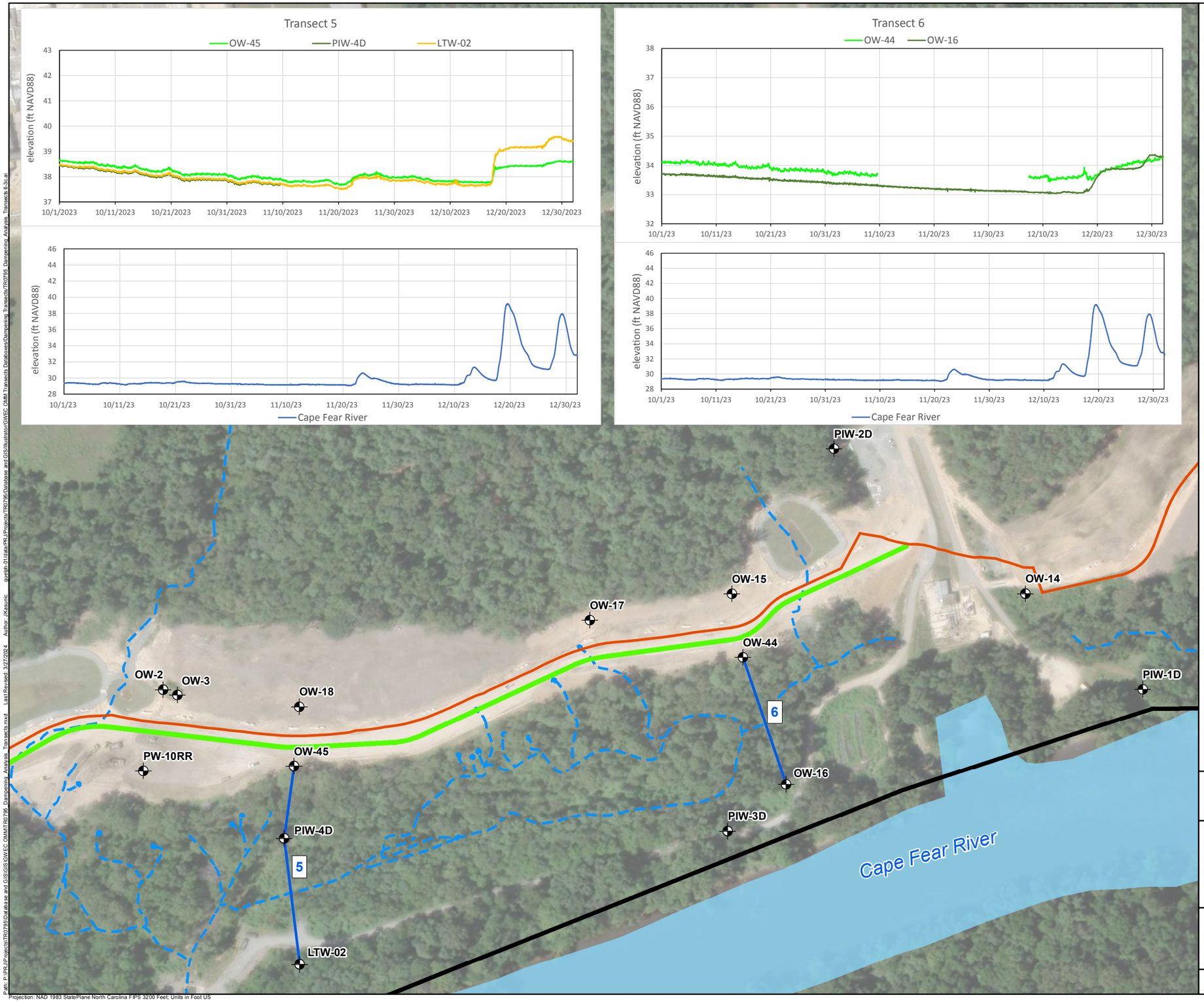
Figure **6-3B**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMT\TR0795_Dampening_Analysis_Transects.mxd Last Revised: 3/7/2024 Author: JKasunic guelph-01/data/PRJ/Projects/TR0795/Database and GIS/Illustrator/GWEC OMM Transects Databoxes/Dampening Transects/TR0795_Dampening_Analysis_Transects 6-3b.ai

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



Legend

- Black Creek Aquifer Well
- Forcemain
- Completed Barrier Wall (as of June 11, 2023)
- Site Boundary
- Seep
- Dampening Analysis
- Cape Fear River

Notes:
1. Gaps in elevation data for some wells in Transects 4, 5, and 6 are due to malfunctioning of installed transducers.
2. Groundwater elevation in observations wells downgradient of the barrier wall is susceptible to fluctuations in Cape Fear River elevation, thereby influencing the downgradient groundwater transects.
3. Some observation wells have been offset for visibility. Therefore, the placement of these wells on this map do not reflect their true geographic coordinates.
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 sources: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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Figure **6-3C**

Path: P:\PR\JP\projects\TR07956\Database and GIS\GIS\GWEC OMM\TR07956_Dampening_Analysis_Transects.mxd Last Revised: 3/27/2024 Author: JKasunic queligh-01\data\PR\JP\projects\TR07956\Database and GIS\Illustrator\GWEC OMM Transects Datacloves\Dampening Transects\TR07956_Dampening Analysis_Transects 6-3c.ai

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

Well ID	Pumping Mode Pre-Flood	Pumping Mode Post-Flood	Flow Total (gal) Dec 10-16	Flow Total (gal) Dec 17-23
EW-01	Continuous	Continuous	129,321	129,689
EW-02	Continuous	Continuous	59,663	59,755
EW-03	Cycling (57%)	Continuous	14,158	23,921
EW-04	Cycling (18%)	Cycling (25%)	4,549	6,071
EW-05	Continuous	Continuous	139,225	139,631

Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data both recorded at 15 minute frequency intervals.

Willis Creek Extraction Well Flood Response: EW-01 through EW-05

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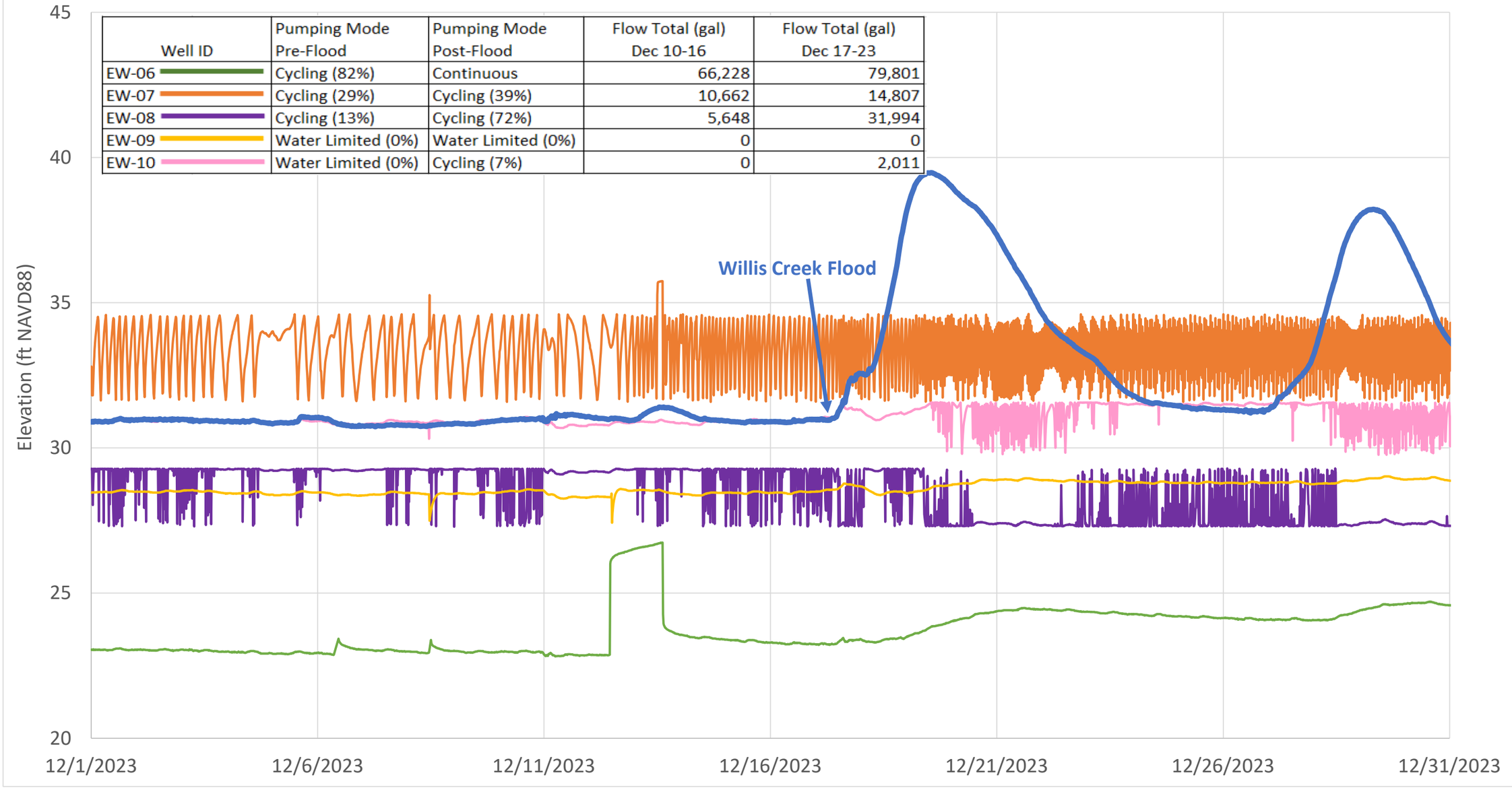
Figure 6-4A

Well ID	Pumping Mode Pre-Flood	Pumping Mode Post-Flood	Flow Total (gal) Dec 10-16	Flow Total (gal) Dec 17-23
EW-06	Cycling (82%)	Continuous	66,228	79,801
EW-07	Cycling (29%)	Cycling (39%)	10,662	14,807
EW-08	Cycling (13%)	Cycling (72%)	5,648	31,994
EW-09	Water Limited (0%)	Water Limited (0%)	0	0
EW-10	Water Limited (0%)	Cycling (7%)	0	2,011



Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data both recorded at 15 minute frequency intervals.

Willis Creek Extraction Well Flood Response: EW-06 through EW-10

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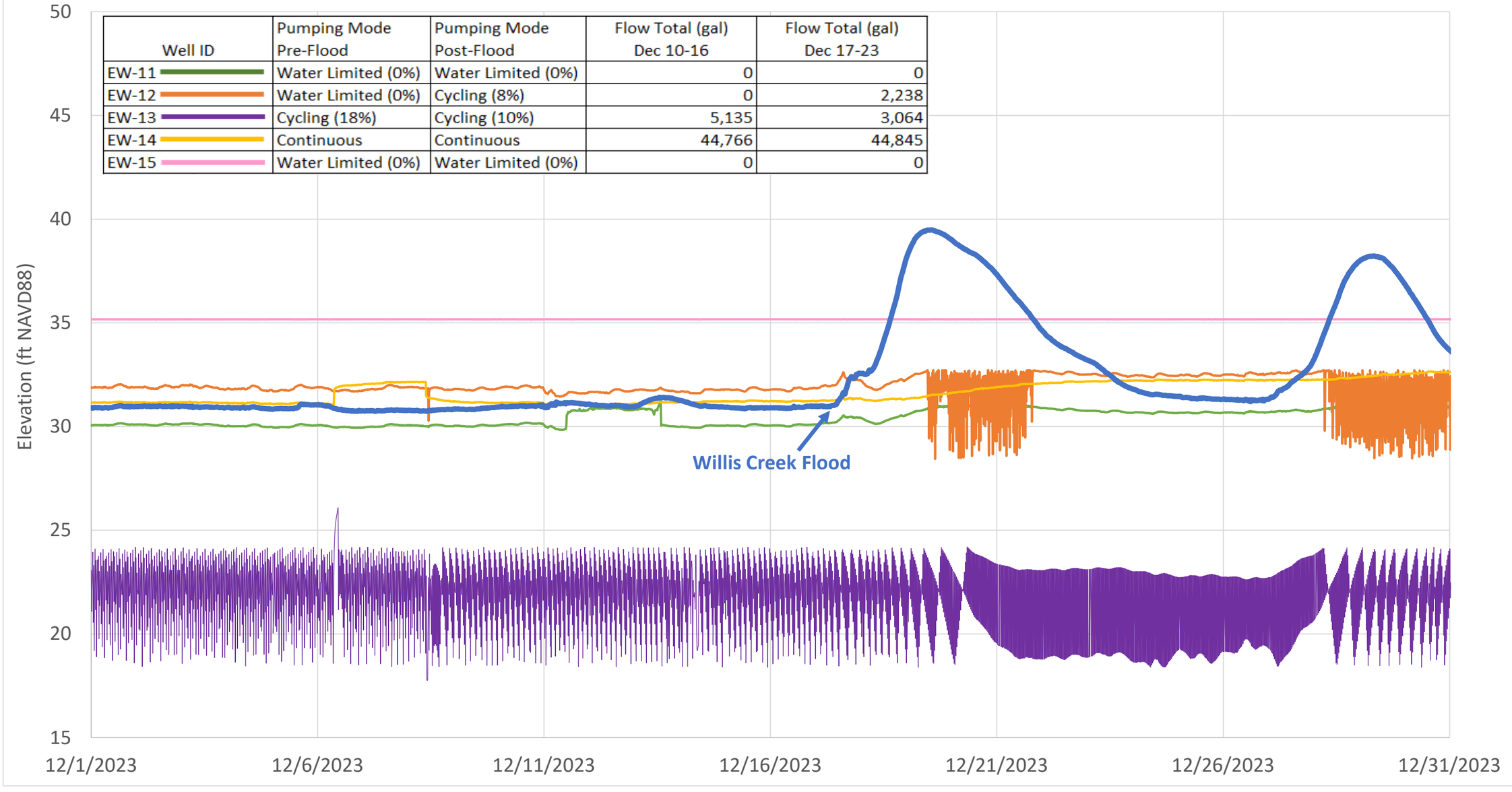
Figure 6-4B

Well ID	Pumping Mode Pre-Flood	Pumping Mode Post-Flood	Flow Total (gal) Dec 10-16	Flow Total (gal) Dec 17-23
EW-11	Water Limited (0%)	Water Limited (0%)	0	0
EW-12	Water Limited (0%)	Cycling (8%)	0	2,238
EW-13	Cycling (18%)	Cycling (10%)	5,135	3,064
EW-14	Continuous	Continuous	44,766	44,845
EW-15	Water Limited (0%)	Water Limited (0%)	0	0



Notes:
Willis Creek elevation data is from a transducer deployed in a locally installed stilling well, converted to NAVD88.
Extraction Well (EW) level data is from transducer deployed in each well, converted to NAVD88.
Willis Creek and EW data both recorded at 15 minute frequency intervals.

Willis Creek Extraction Well Flood Response: EW-11 through EW-15

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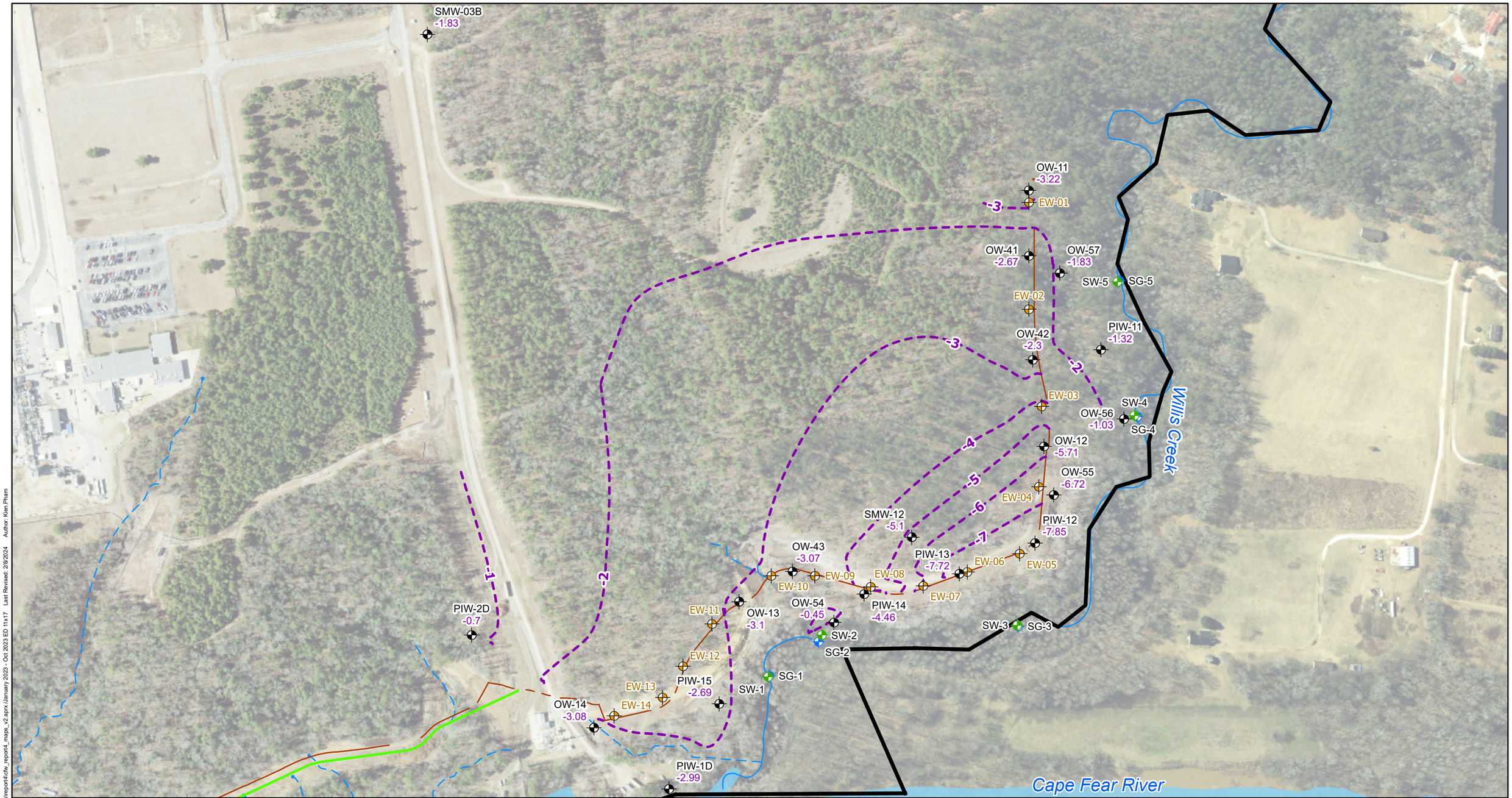
Figure 6-4C



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- October 2023 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:

1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. OW-54 dry in October 2023. Water assumed at bottom of screen in elevation difference calculation
4. Antecedent daily total rainfall (October 27-29): 0 inches

N

0 250 Feet

Northern Alignment
January 2023 - October 2023
Elevation Difference

Chemours Fayetteville Works, North Carolina

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Figure 6-5A

Path: D:\PROJ_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx \January 2023 - Oct 2023 ED 11x17 Last Revised: 2/8/2024 Author: Kien Pham

SMW-03B
-1.98

OW-11
-3.39
EW-01

OW-41
-2.88

OW-57
-1.97

SW-5
SG-5

EW-02

PIW-11
-1.28

OW-42
-2.47

EW-03

SW-4
SG-4

OW-12
-5.62

OW-56
-0.83

Willis Creek

OW-55
-6.57

EW-04

SMW-12
-4.88

PIW-12
-7.66

OW-43
-3.18

EW-10

EW-09

EW-08

PIW-13
-7.5

EW-06

EW-05

EW-07

OW-13
-3.38

OW-54
-0.45

PIW-14
-4.51

EW-11

SW-2

SG-2

SW-3
SG-3

PIW-2D
-0.86

EW-12

SW-1
SG-1

EW-13

PIW-15
-2.95

EW-14

OW-14
-3.31

PIW-1D
-3.2

Cape Fear River

-1
-2
-3
-4
-5
-6
-7

Author: Kien Pham
Last Revised: 2/8/2024
Path: D:\PROJ_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx\January 2023 - Nov 2023 ED 11x17

Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- November 2023 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:

1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. OW-54 dry in November 2023. Water assumed at bottom of screen in elevation difference calculation
4. Antecedent daily total rainfall (November 25-27): 0.09 inches

N

0 250 Feet

Northern Alignment
January 2023 - November 2023
Elevation Difference

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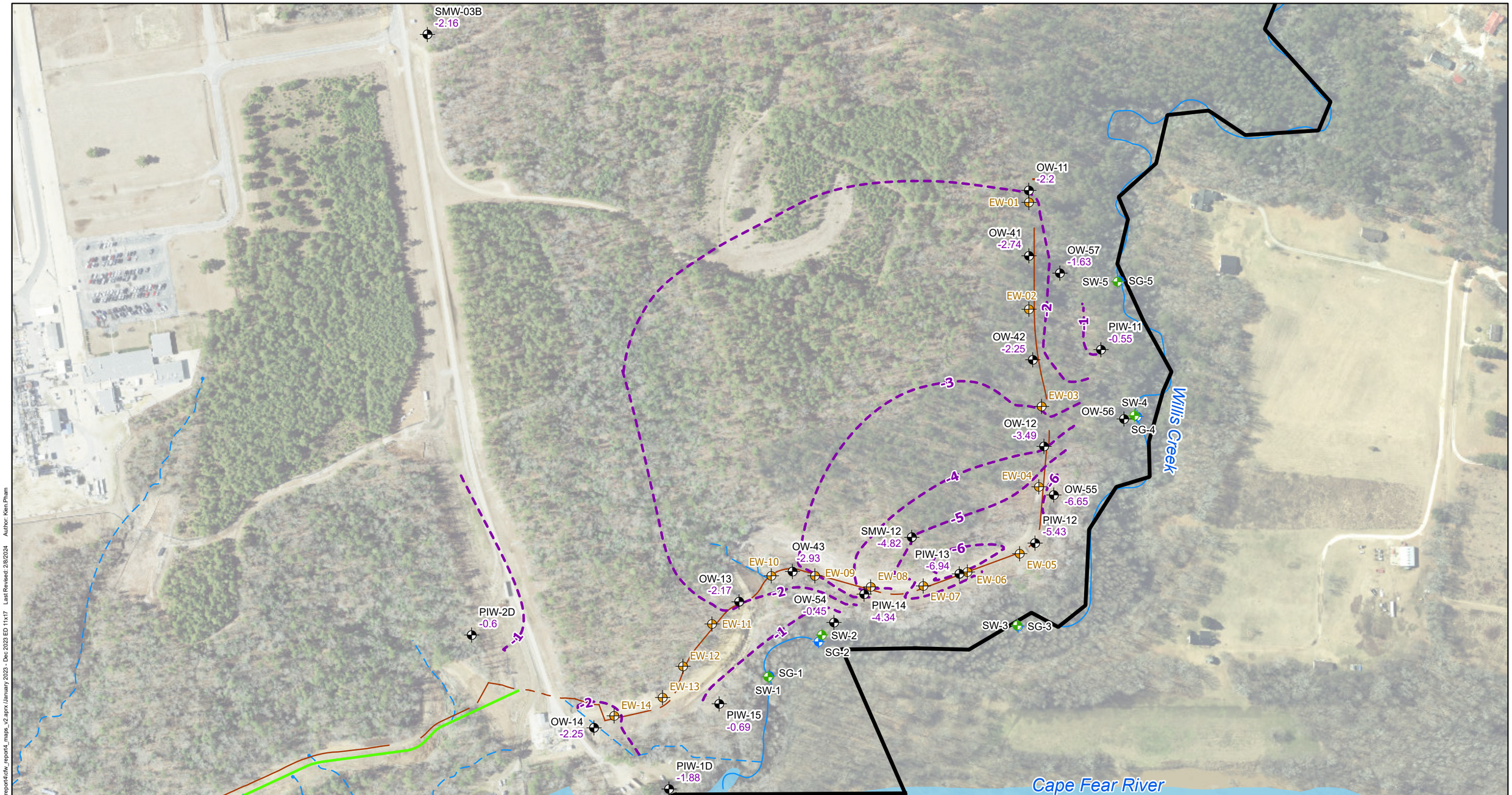
Figure 6-5B



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- December 2023 Elevation Difference
- Barrier Wall
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

Notes:
1. Elevation difference = monthly elevation - January 2023 elevation
2. Elevation difference not calculated at locations where monthly elevation or baseline January 2023 not available
3. OW-54 dry in December 2023. Water assumed at bottom of screen in elevation difference calculation
4. Antecedent daily total rainfall (December 17-19): 3.38 inches

N

0 250 Feet

Northern Alignment
January 2023 - December 2023
Elevation Difference

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Figure 6-5C

Path: D:\PROJ_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx January 2023 - Dec 2023 ED 11x17 Last Revised: 2/8/2024 Author: Ken Pham

SMW-03B
OW-11
EW-01
OW-41
OW-57
SW-05
SG-05
35.8
EW-02
PIW-11
OW-42
EW-03
SW-04
OW-56
SG-04
34.96
Willis Creek
OW-12
EW-04
OW-55
PIW-12
SMW-12
EW-05
EW-10
OW-43
EW-08
PIW-13
EW-06
EW-09
EW-07
PIW-14
OW-54
SW-03
SG-03
33.26
PIW-2D
OW-13
SG-02
31.6
SW-02
EW-11
SG-01
30.84
SW-01
EW-12
EW-14
EW-13
PIW-15
OW-14
PIW-1D
Cape Fear River
80
70
60
50
48
46
44
42
40
38
36
34
32
30
28

Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft October 2023 GW Elevation
- 10-ft October 2023 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

0 250 Feet N

Notes:

1. Antecedent daily total rainfall (October 27-29): 0 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations

Northern Alignment
Potentiometric Map
January 2023 - October 2023
Chemours Fayetteville Works, North Carolina

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

Raleigh, NC | March 2024

Figure 6-6A

Path: D:\PRO_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx January 2023 - Oct 2023 GWE 11x17 Last Revised: 1/22/2024 Author: Kien Pham

SMW-03B
OW-11
EW-01
OW-41
OW-57
SG-05
36.15
SW-05
EW-02
PIW-11
OW-42
EW-03
SW-04
OW-56
SG-04
35.14
Willis Creek
OW-12
EW-04
OW-55
PIW-12
SMW-12
EW-05
EW-10
OW-43
PIW-13
EW-08
EW-06
OW-13
EW-09
PIW-14
EW-07
PIW-2D
EW-11
SG-02
31.68
OW-54
SW-03
SG-03
33.4
SW-02
SG-01
30.95
SW-01
EW-12
EW-14
EW-13
PIW-15
OW-14
PIW-1D
Cape Fear River

80 80 70 70 60 60 50 50 42 40 48 46 44 40 38 36 34 36 40 32 30 36 34 28 36 34

Author: Kien Pham
Last Revised: 1/22/2024
Path: D:\PROJ_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx January 2023 - Nov 2023 GWE 11x17

Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft November 2023 GW Elevation
- 10-ft November 2023 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

0 250 Feet N

Notes:

1. Antecedent daily total rainfall (November 25-27): 0.09 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations

Northern Alignment
Potentiometric Map
January 2023 - November 2023
Chemours Fayetteville Works, North Carolina

Geosyntec consultants
Geosyntec Consultants of NC, P.C.
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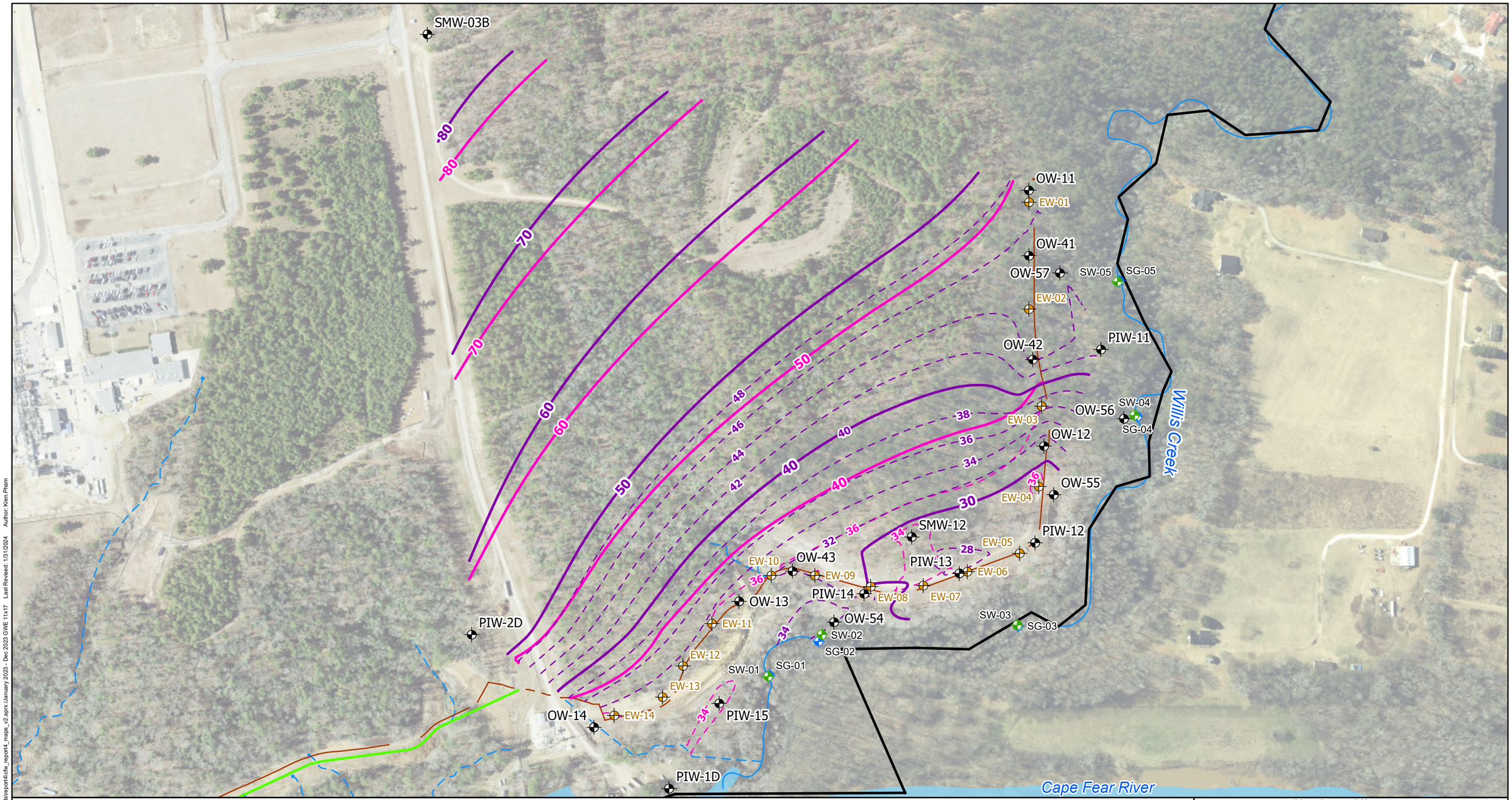
Figure 6-6B



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft December 2023 GW Elevation
- 10-ft December 2023 GW Elevation
- Barrier Wall
- 2-ft January 2023 GW Elevation
- 10-ft January 2023 GW Elevation
- Forcemain
- Site Boundary
- Seep
- Nearby Tributary
- Cape Fear River

0 250 Feet N

Notes:

1. Antecedent daily total rainfall December 17-19): 3.38 inches
2. Staff gauges damaged during storm event in December 2023

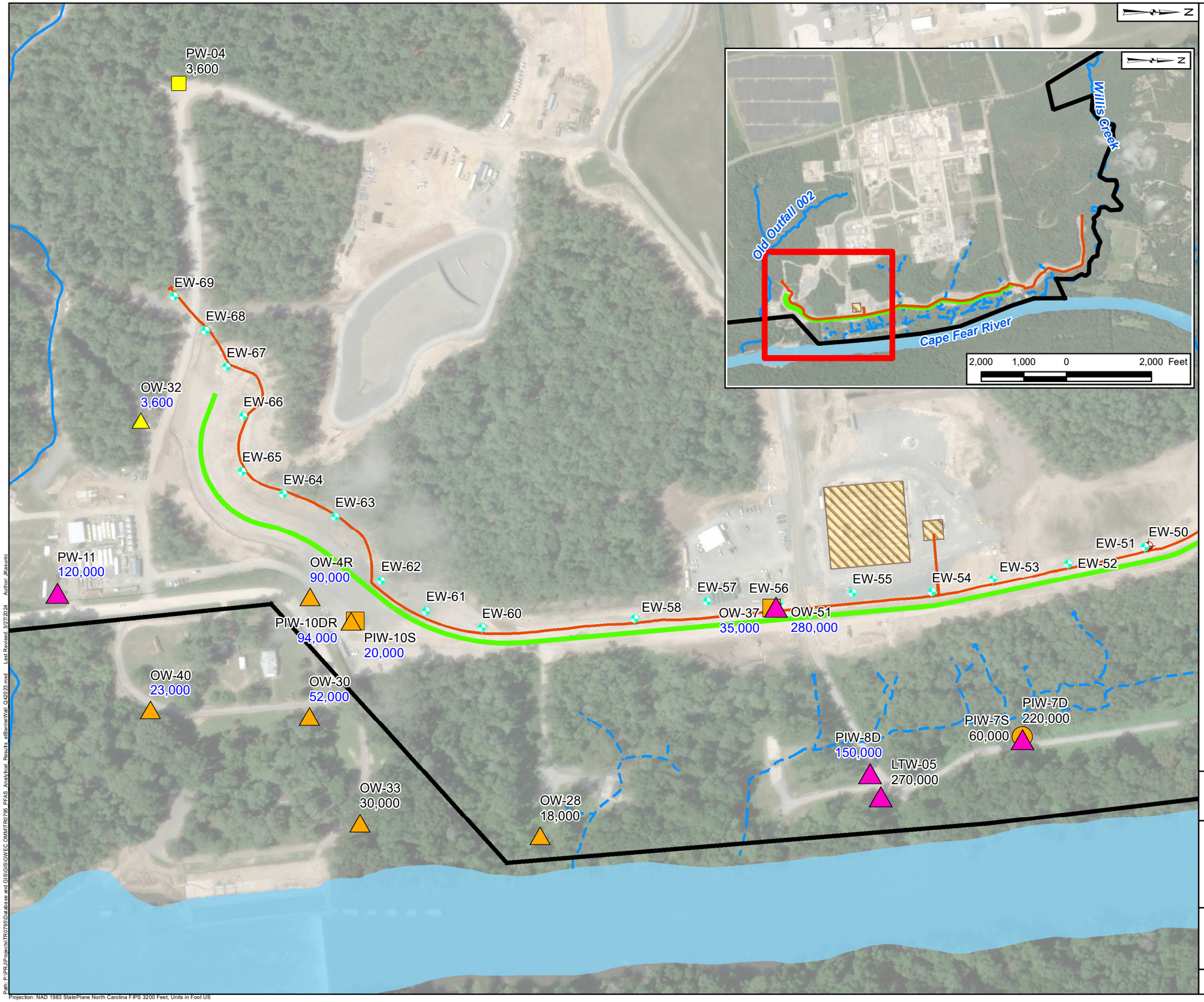
Northern Alignment
Potentiometric Map
January 2023 - December 2023
Chemours Fayetteville Works, North Carolina

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

Raleigh, NC | March 2024

Figure 6-6C

Path: D:\PROJ_LOC\arcgis_loc\cfw_mapping_sync\projects\report4\cfw_report4_maps_v2.aprx /January 2023 - Dec 2023 GWE 11x17 Last Revised: 1/31/2024 Author: Kien.Pham



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Groundwater Treatment Pad and Break Tank
- Seep
- Nearby Tributary to River
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. PFAS results for the collection of MWs/OWs are from the Q3 2023 and Q4 2023 sampling performed during July 7 to September 8, 2023 (**in blue**) and November 2 to 23, 2023 (**in black**), respectively. For PIW-1S and OW-54, PFAS results (**in red**) from Q1 2023 sampling (February 16, 2023) are presented, since these two wells were dry in subsequent sampling events. WC PFAS results are from the Q4 2023 sampling (**in black**) performed on November 23, 2023.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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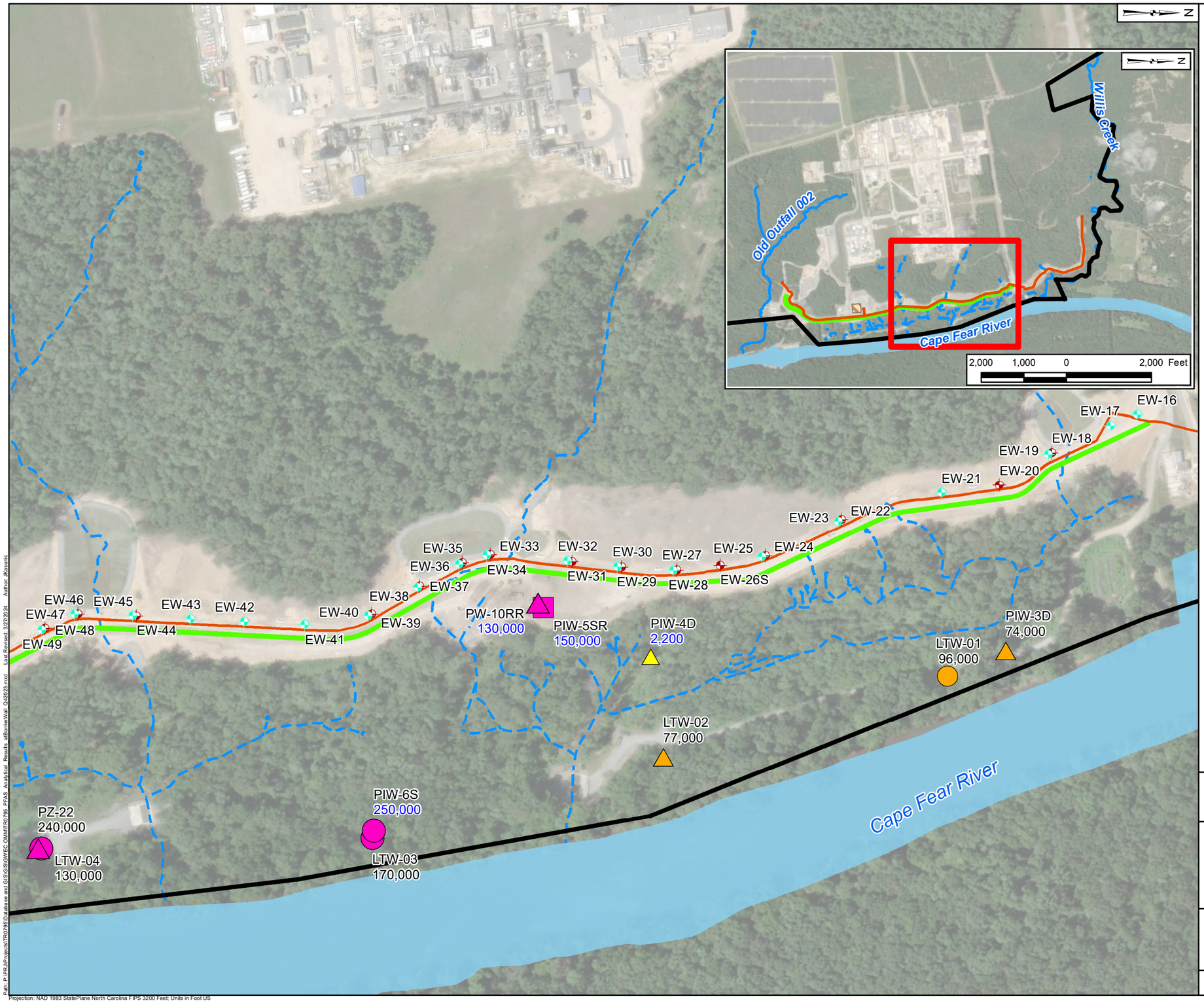
Figure **6-7A**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_PFAS_AnalyticalResults_atBarrierWall_Q42023.mxd Last Revised: 3/27/2024 Author: JKasunic

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



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Seep
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. PFAS results for the collection of MWs/OWs are from the Q3 2023 and Q4 2023 sampling performed during July 7 to September 8, 2023 (**in blue**) and November 2 to 23, 2023 (**in black**), respectively. For PIW-1S and OW-54, PFAS results (**in red**) from Q1 2023 sampling (February 16, 2023) are presented, since these two wells were dry in subsequent sampling events. WC PFAS results are from the Q4 2023 sampling (**in black**) performed on November 23, 2023.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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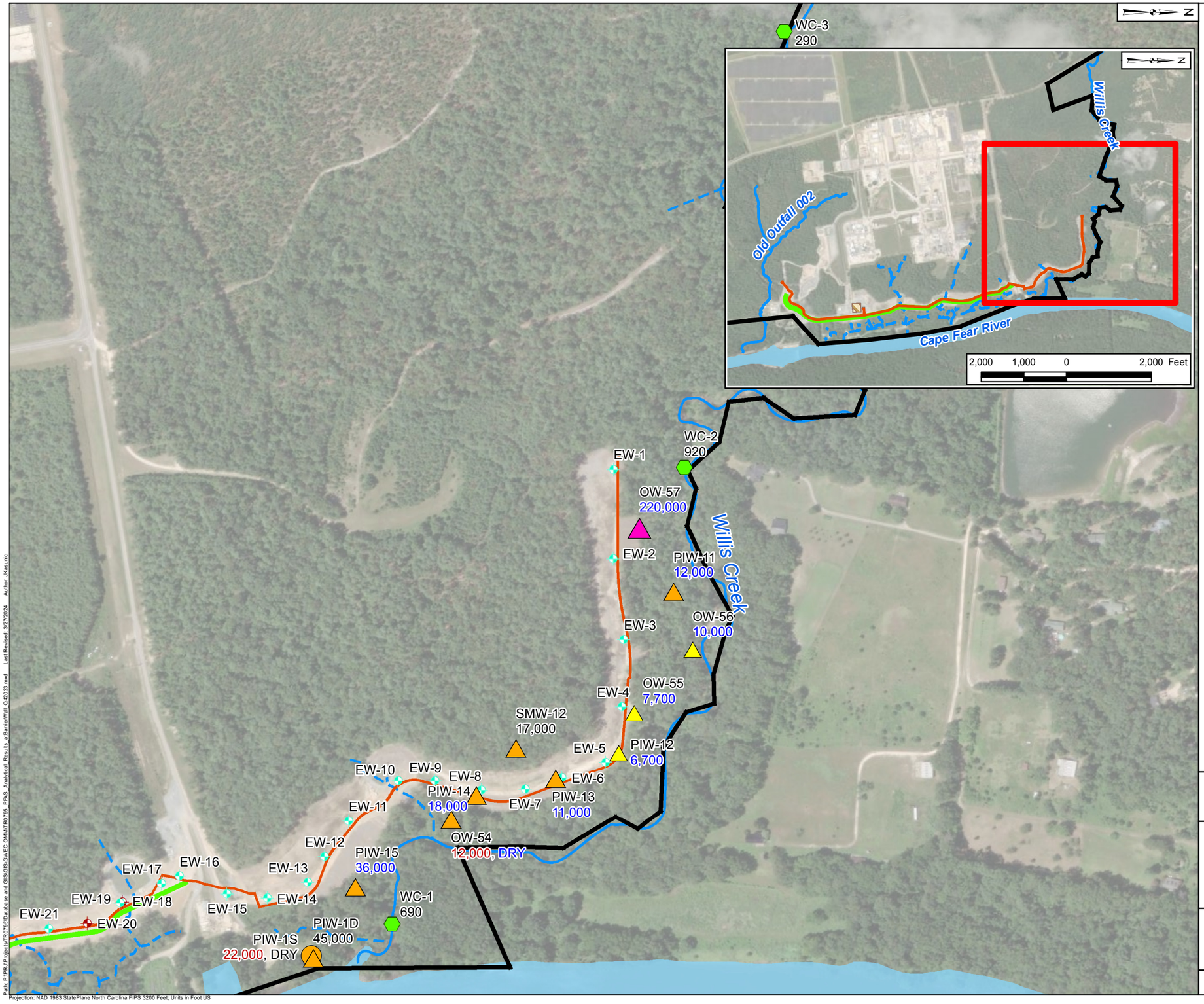
Figure **6-7B**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMTR0796_PFAS_AnalyticalResults_atBarrierWall_Q42023.mxd Last Revised: 3/27/2024 Author: JKasunic

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



Legend

PFAS Sampling Location
- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water

Total Table 3+ PFAS, 17 Compounds (ng/L)
- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Site Boundary
- Forcemain
- Barrier Wall; approximate surface elevation at 72 feet NAVD88
- Seep
- Nearby Tributary to River
- Cape Fear River

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. PFAS results for the collection of MWs/OWs are from the Q3 2023 and Q4 2023 sampling performed during July 7 to September 8, 2023 (**in blue**) and November 2 to 23, 2023 (**in black**), respectively. For PIW-1S and OW-54, PFAS results (**in red**) from Q1 2023 sampling (February 16, 2023) are presented, since these two wells were dry in subsequent sampling events. WC PFAS results are from the Q4 2023 sampling (**in black**) performed on November 23, 2023.
2. The outline of Cape Fear River is approximate and is based on open data from ArcGIS Online and North Carolina Department of Environmental Quality Online GIS (MajorHydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

250 125 0 250 Feet

PFAS Analytical Results

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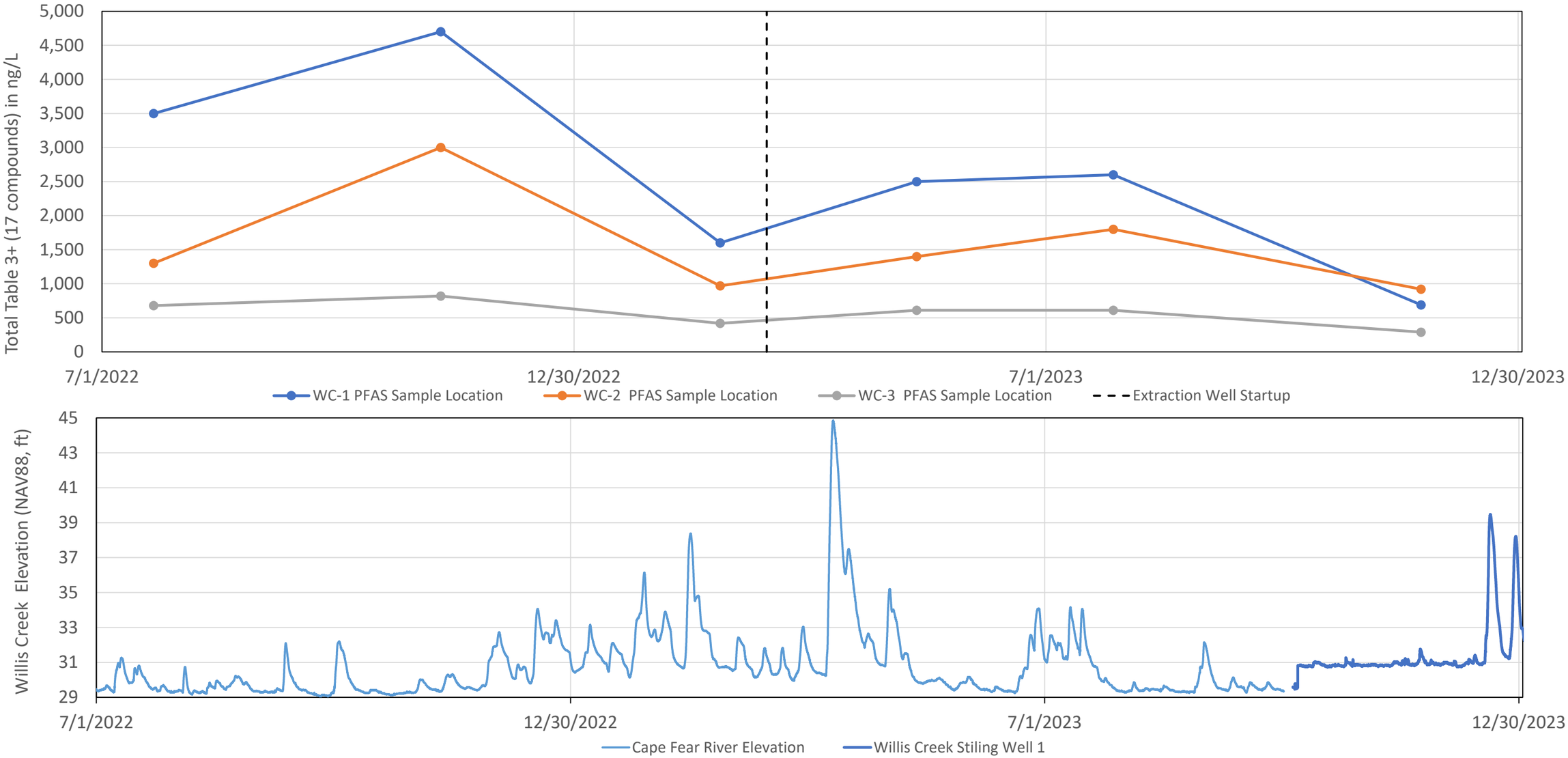
Figure **6-7C**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GW\EC OMMT\R0795_PFAS_AnalyticalResults_atBarrierWall_Q42023.mxd Last Revised: 3/27/2024 Author: JKasunic

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



Notes:

Stilling Wells were installed in Willis Creek in October 2023. For clarity, only WC-1 location is shown. Trends at WC-2 and WC-3 are similar.

Prior to October 2023, Cape Fear River elevation are available from the USGS Huske Lock and Dam.

Willis Creek PFAS Concentrations and Water Elevation

Chemours Fayetteville Works

Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure 6-8

WC-3
290

Willis Creek

WC-2
920

OW-56
10,000

PIW-11
12,000

OW-57
220,000

OW-55
7,700

PIW-12
6,700

EW-1
EW-2
EW-3
EW-4
EW-5
EW-6
PIW-13
11,000
SMW-12
17,000
EW-7
EW-8
OW-54
12,000, DRY
PIW-14
18,000
EW-9
EW-10
Willis Creek
Tributary Capture
EW-11
EW-12
EW-13
EW-14
EW-15
EW-16
EW-17
Seep A
Tributary Capture Basin
(includes Weeps 9, 10, 11)
EW-18
EW-19
EW-20
EW-21
EW-22
EW-23
EW-24
EW-25
EW-26S
EW-27
EW-28
EW-29
EW-30
EW-31
EW-32
EW-33
EW-34
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EW-54
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EW-56
EW-57
EW-58
EW-60
EW-61
EW-62
EW-63
EW-64
EW-65
EW-66
EW-67
EW-68
EW-69
Seep A
Capture Basin
(includes Weep 7)
Seep B
Capture Basin
Weep 4 and 004 Trench
Drain Capture
Weep 3 Capture

WC-1
690

PIW-15
36,000

PIW-1D
45,000

PIW-1S
22,000, DRY

PIW-3D
74,000

LTW-01
96,000

PIW-4D
2,200

LTW-02
77,000

PW-10RR
130,000

PIW-5SR
150,000

PIW-6S
250,000

LTW-03
170,000

PZ-22
240,000

LTW-04
130,000

PIW-7D
220,000

PIW-7S
60,000

PIW-8D
150,000

LTW-05
270,000

OW-51
280,000

OW-37
35,000

OW-28
18,000

PIW-10DR
94,000

PIW-10S
20,000

OW-33
30,000

OW-30
52,000

OW-4R
90,000

PW-04
3,600

OW-32
3,600

OW-40
23,000

PW-11
120,000

Station 102
Station 103
Station 101
Transect 1

Station 203
Station 201
Station 202
Transect 2

Seep-A
Seep-B
Seep-C
Seep-D

Station 302
Station 303
Station 301
Transect 3

Lock and Dam Seep North
Lock and Dam Seep

1
2

N

0.5 0.25 0 0.5 Miles

Georgia Branch Creek

GBC-1
1,600

Transect 4
Station 403
Station 401
Station 402

80 40 0 80 Feet

250 125 0 250 Feet

Legend

Total Table 3+ PFAS, 17 Compounds (ng/L)

- ND
- < 10
- 10 - 100
- 100 - 1,000
- 1,000 - 10,000
- 10,000 - 100,000
- 100,000 - 1,000,000
- > 1,000,000

- Surficial Aquifer
- Floodplain Deposits
- Black Creek Aquifer
- Surface Water
- Site River Water Intake Location
- W.O. Huske Dam
- Flow Through Cell
- Outfall 003 Treatment System
- Station Sampling Location
- Ex-situ Capture Location

- Transect Sampling Location
- Black Creek Aquifer Extraction Well
- Surficial Aquifer Extraction Well
- Surficial and Black Creek Aquifer Extraction Well
- Nearby Tributary
- Observed Seep
- Site Boundary
- North Forcemain
- South Forcemain
- Barrier Wall
- 004 Groundwater Treatment Pad and Break Tank

Notes:
1. This figure shows Total Table 3+ PFAS (17 Compounds) concentrations in near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. PFAS results for the collection of MWs/OWs are from the Q3 2023 and Q4 2023 sampling performed during July 7 to September 8, 2023 (**in blue**) and November 2 to 23, 2023 (**in black**), respectively. For PIW-1S and OW-54, PFAS results (**in red**) from Q1 2023 sampling (February 16, 2023) are presented, since these two wells were dry in subsequent sampling events. WC and GBC PFAS results are from the Q4 2023 sampling (**in black**) performed on November 23, 2023.
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. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

Cape Fear River Transect Sampling Locations and PFAS Analytical Results in Groundwater

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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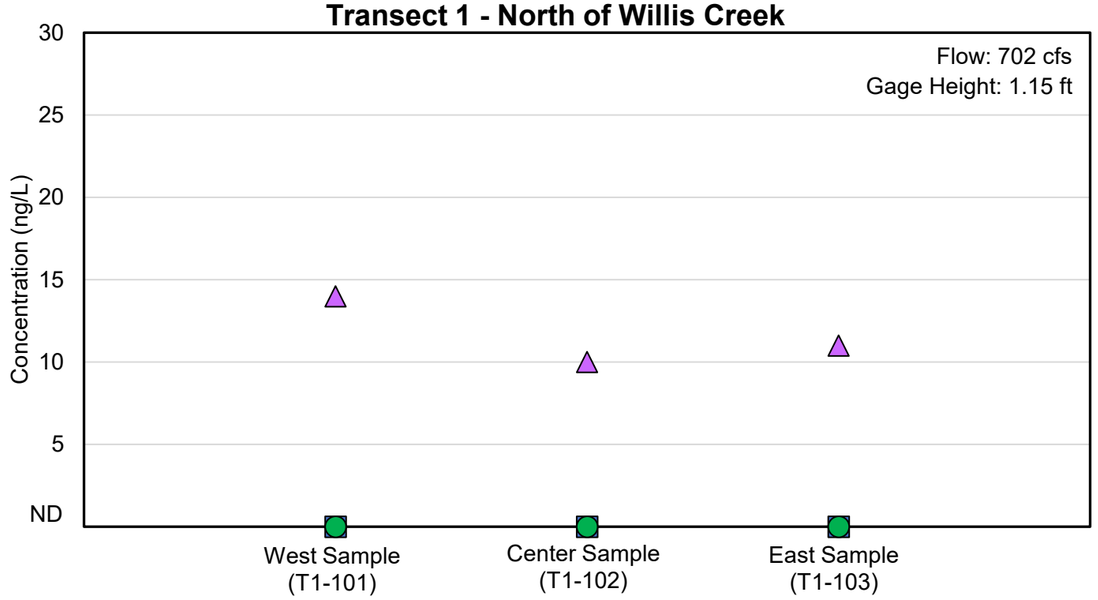
Raleigh | March 2024

Figure 6-9

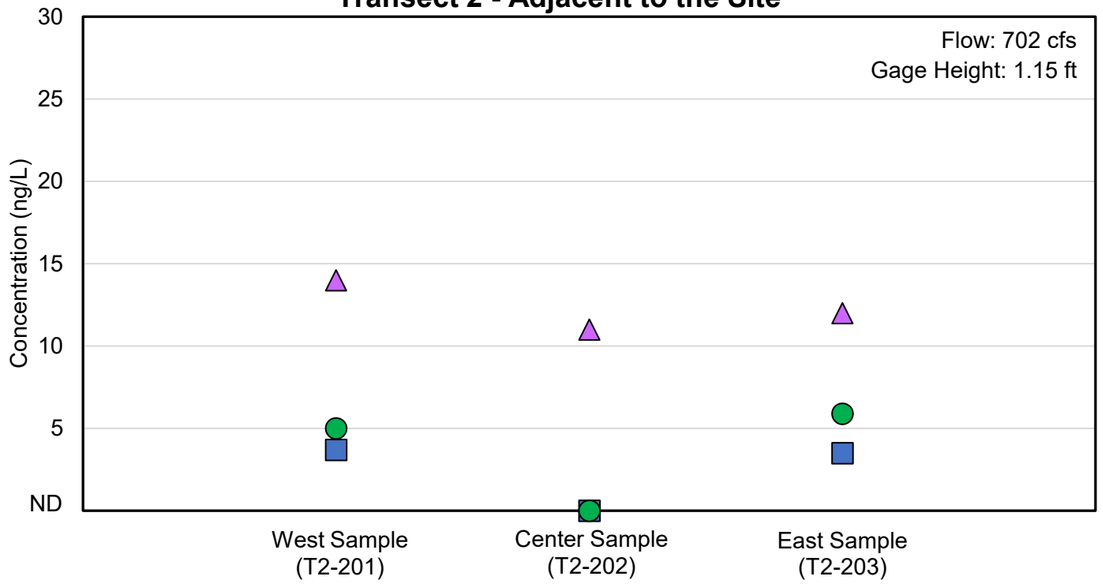
Path: \\Geelnfs-01\Data\PRJ\Projects\TR0795\Database and GIS\GIS\Baseline Monitoring Workplan\TR0795_SUMTimeseriesSampleyWorkplan_4Transects_ResponsetoDGEQ_Q4_2023.mxd, Tfe, 3/22/2024

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

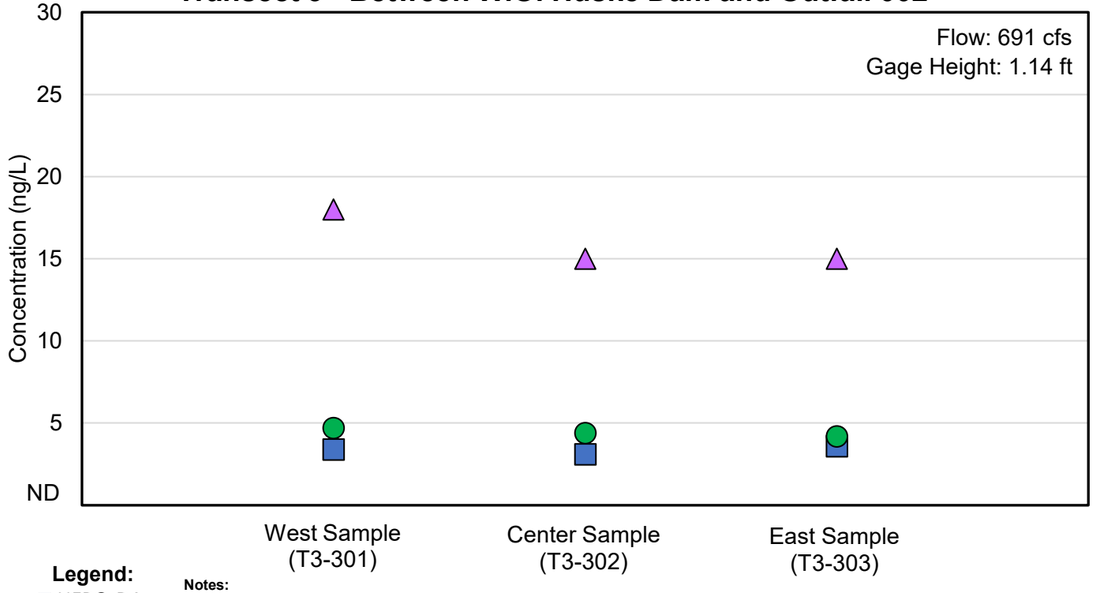
Transect 1 - North of Willis Creek



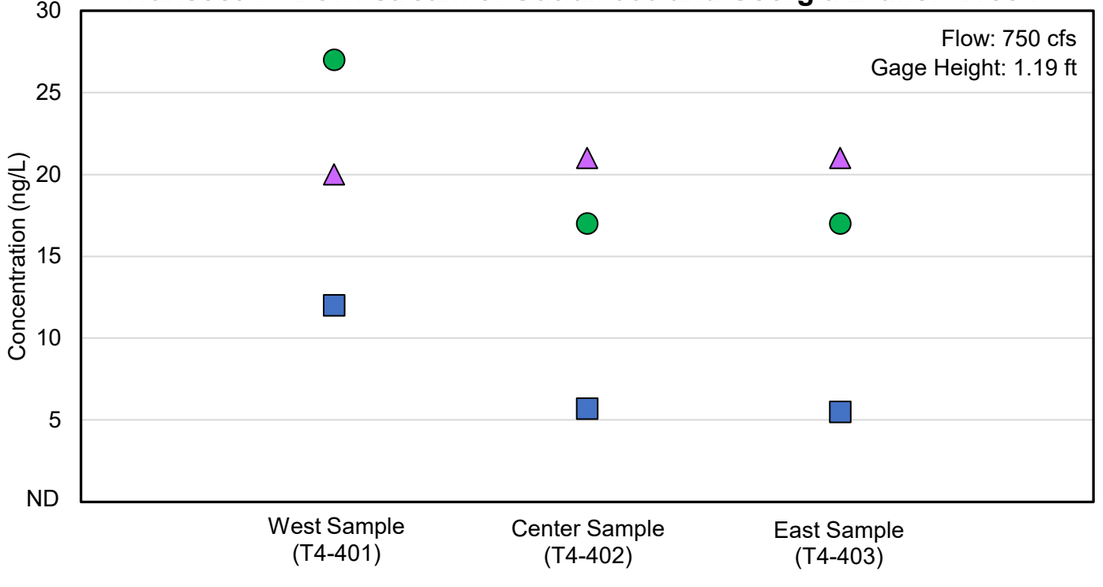
Transect 2 - Adjacent to the Site



Transect 3 - Between W.O. Huske Dam and Outfall 002

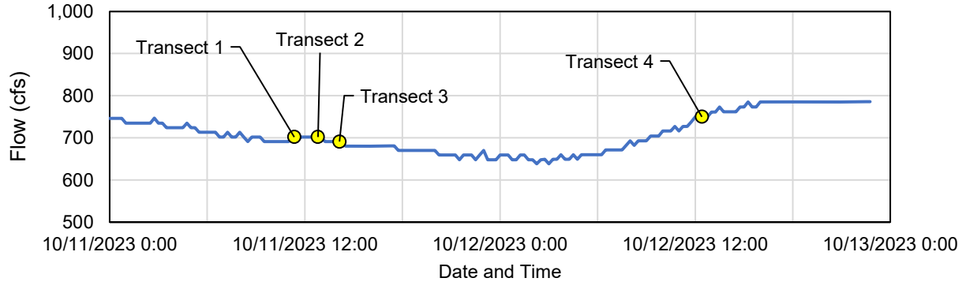


Transect 4 - Downstream of Outfall 003 and Georgia Branch Creek



Legend:
- HFPO-DA
- PFMOAA
- PMPA

Notes:
cfs - cubic feet per second
ft - feet
ND - non-detect (see note 2)
ng/L - nanograms per liter
HFPO-DA - Hexafluoropropylene oxide dimer acid
PFMOAA - Perfluoro-2-methoxyacetic acid
PMPA - Perfluoro-2-methoxypropionic acid
1. All samples along the river transects were collected at the middle depth of the river.
2. The reporting detection limits are: HFPO-DA: 2 ng/L; PFMOAA: 2 ng/L; and PMPA: 10 ng/L.
3. Gage height, total precipitation, and flow data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.
4. The gage height and flow posted on each graph corresponds to the sampling date and time that the center sample was collected. The total precipitation represents the total from the start date and time to the end date and time of the sampling event.



Total Precipitation: 0.6 inches

Indicator PFAS Concentrations Across Cape Fear River Transects (October 2023)

Chemours Fayetteville Works, North Carolina

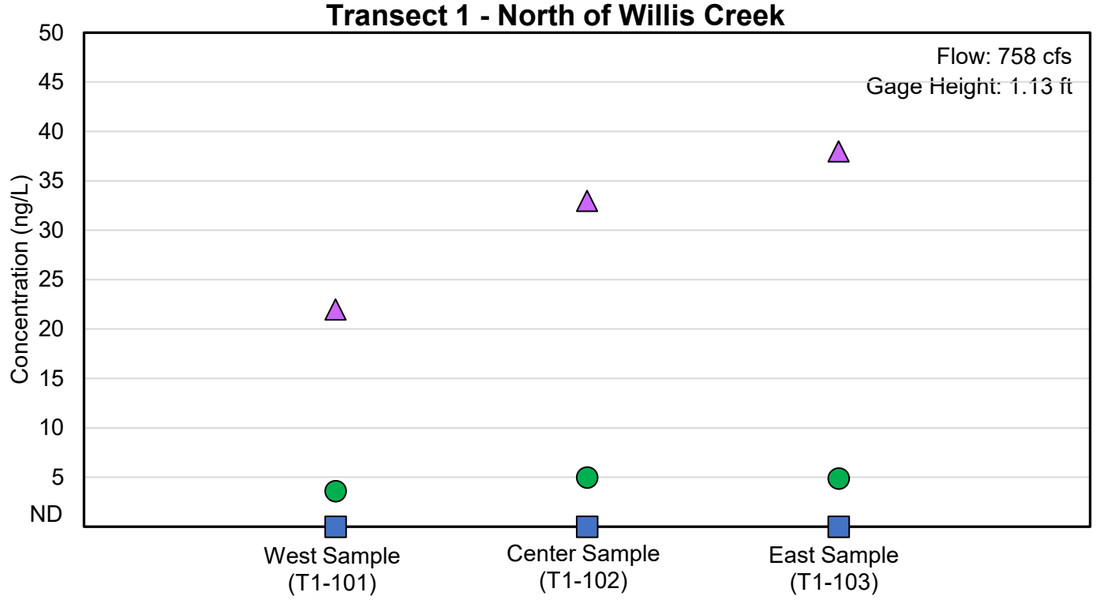
Geosyntec consultants

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

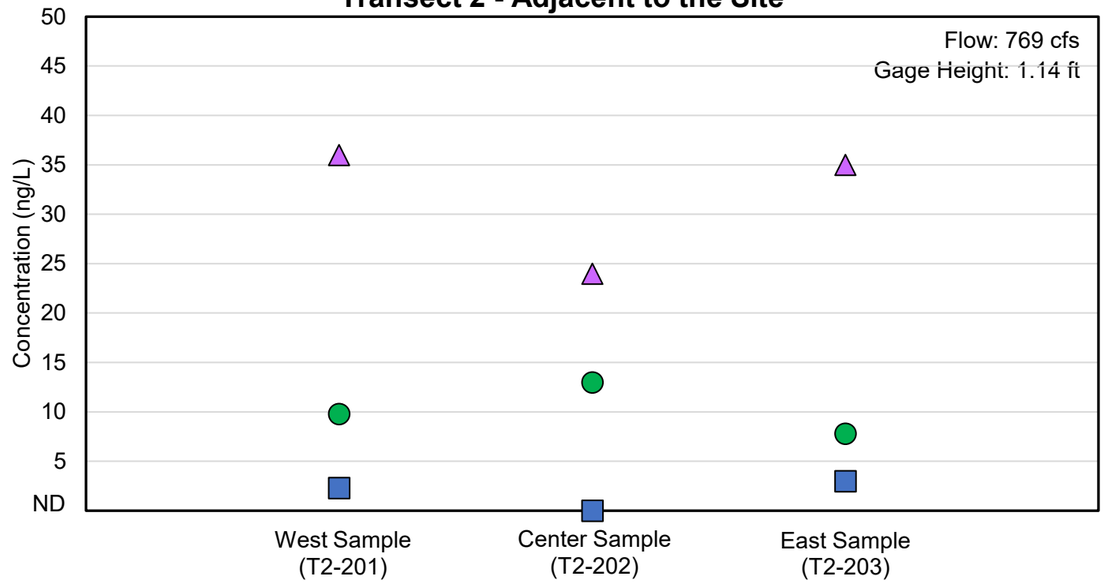
Raleigh | March 2024

Figure
6-10A

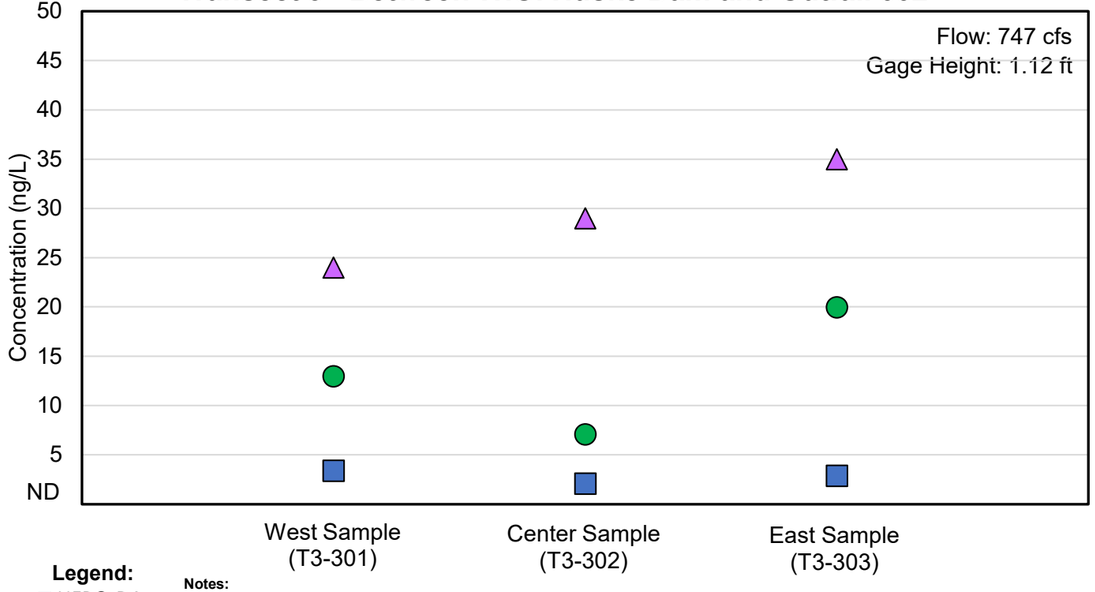
Transect 1 - North of Willis Creek



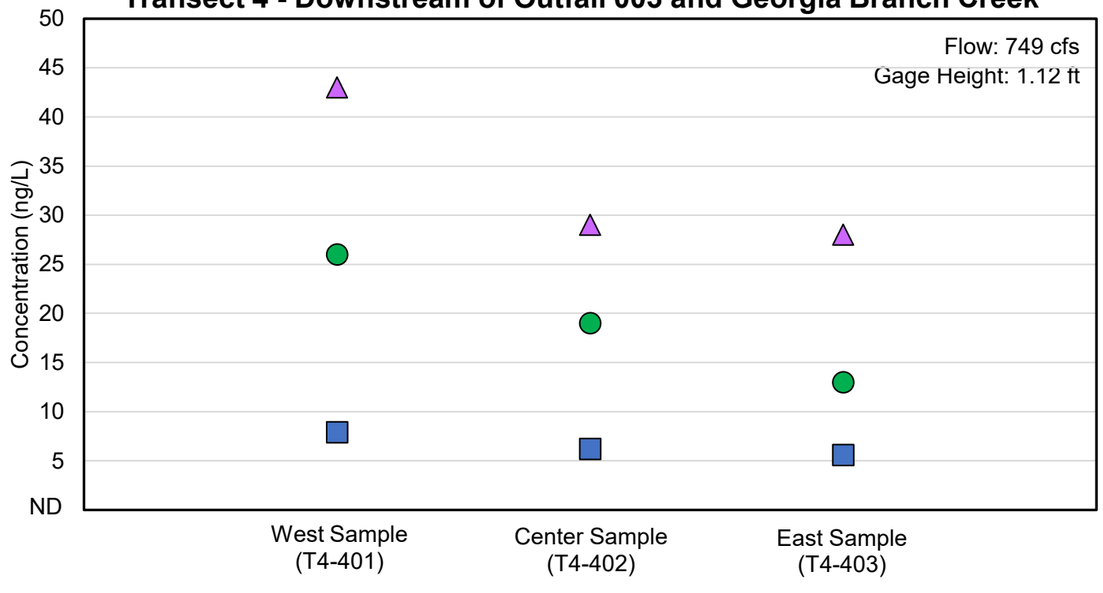
Transect 2 - Adjacent to the Site



Transect 3 - Between W.O. Huske Dam and Outfall 002



Transect 4 - Downstream of Outfall 003 and Georgia Branch Creek



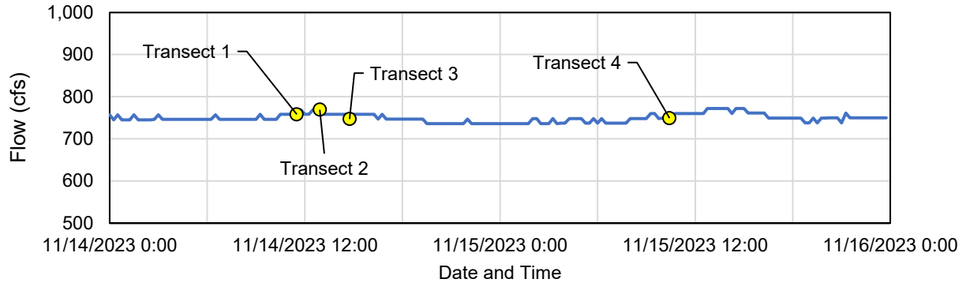
Legend:

- HFPO-DA
- PFMOAA
- PMPA

Notes:

cfs - cubic feet per second
ft - feet
ND - non-detect (see note 2)
ng/L - nanograms per liter
HFPO-DA - Hexafluoropropylene oxide dimer acid
PFMOAA - Perfluoro-2-methoxyacetic acid
PMPA - Perfluoro-2-methoxypropionic acid

1. All samples along the river transects were collected at the middle depth of the river.
2. The reporting detection limits are: HFPO-DA: 2 ng/L; PFMOAA: 2 ng/L; and PMPA: 10 ng/L.
3. Gage height, total precipitation, and flow data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.
4. The gage height and flow posted on each graph corresponds to the sampling date and time that the center sample was collected. The total precipitation represents the total from the start date and time to the end date and time of the sampling event.



Total Precipitation: 0 inches

Indicator PFAS Concentrations Across Cape Fear River Transects (November 2023)

Chemours Fayetteville Works, North Carolina

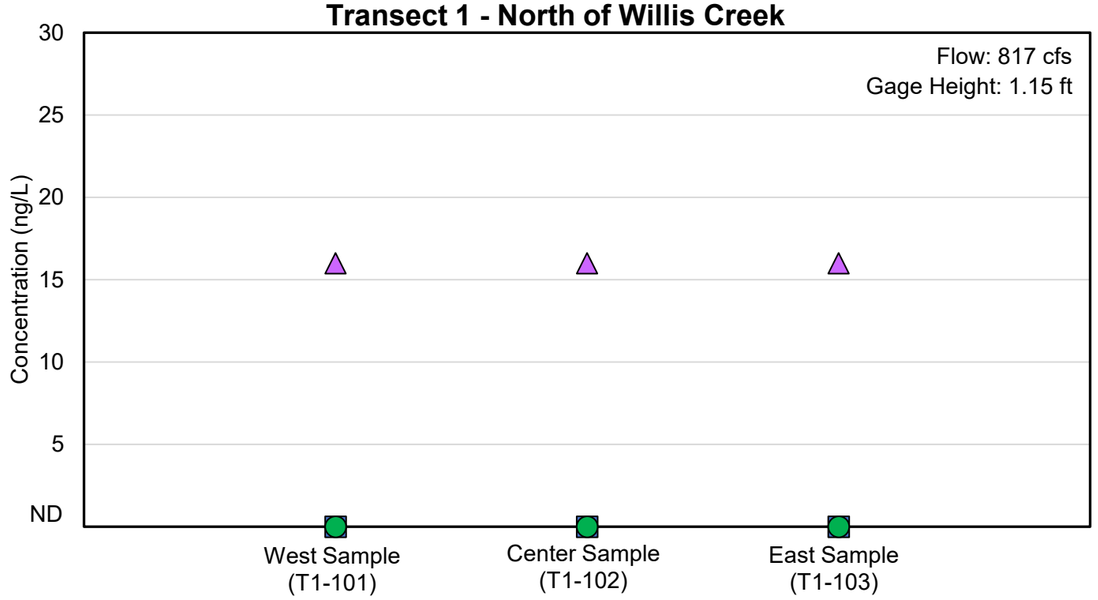
Geosyntec consultants

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

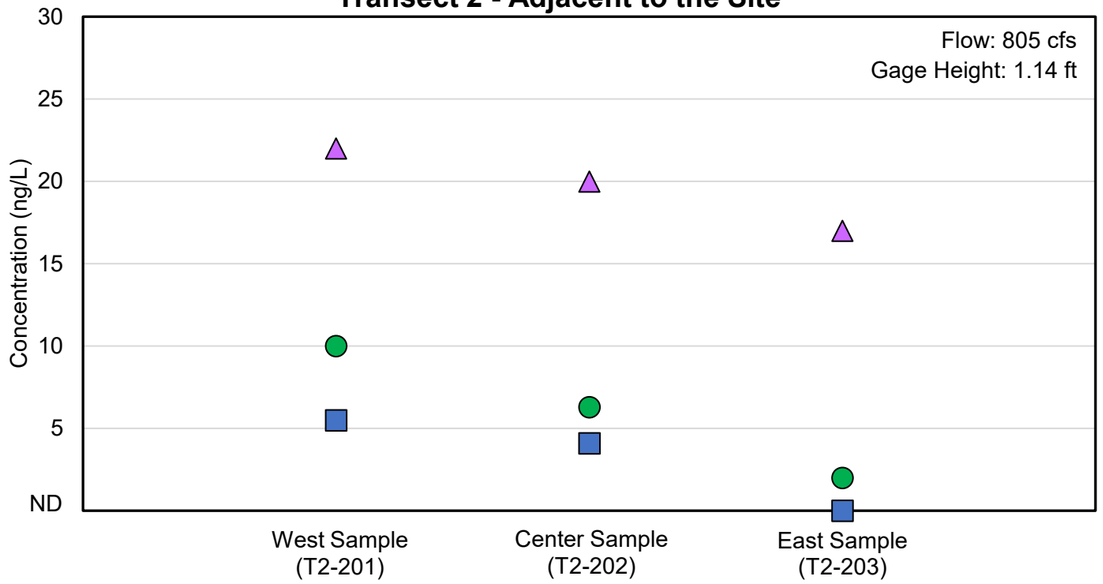
Raleigh | March 2024

Figure 6-10B

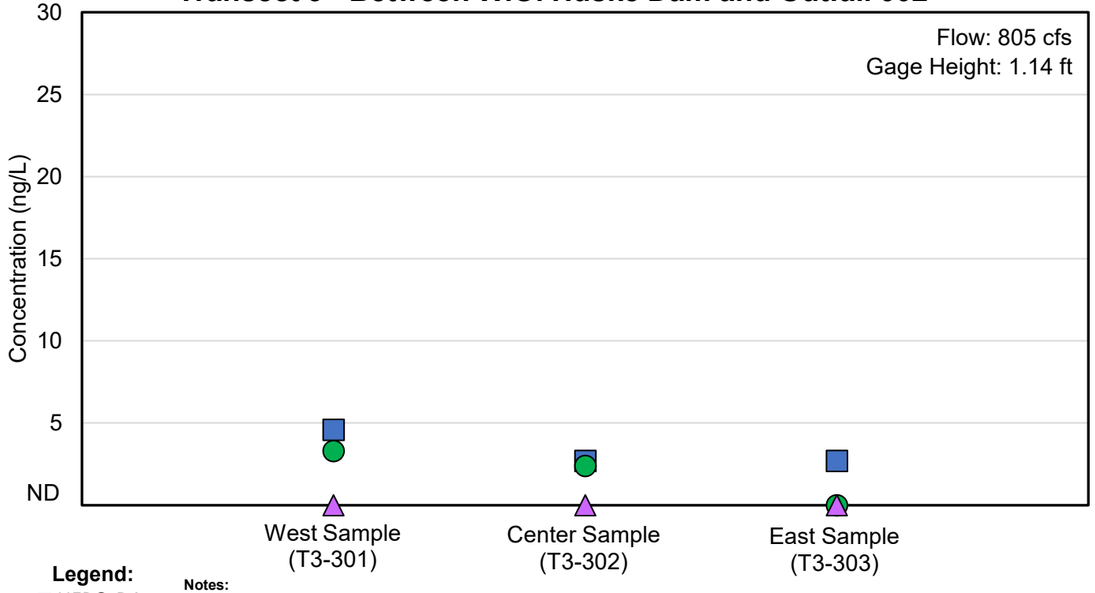
Transect 1 - North of Willis Creek



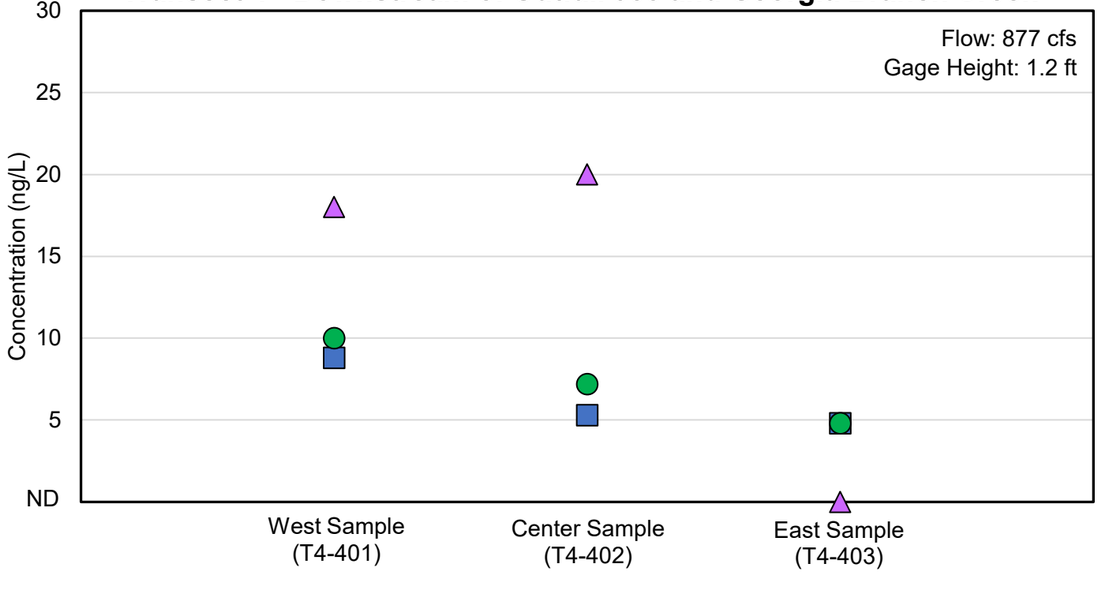
Transect 2 - Adjacent to the Site



Transect 3 - Between W.O. Huske Dam and Outfall 002

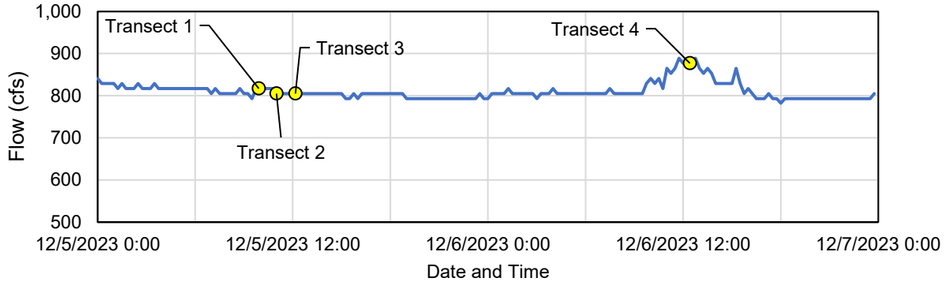


Transect 4 - Downstream of Outfall 003 and Georgia Branch Creek



Legend:
- HFPO-DA
- PFMOAA
- PMPA

Notes:
cfs - cubic feet per second
ft - feet
ND - non-detect (see note 2)
ng/L - nanograms per liter
HFPO-DA - Hexafluoropropylene oxide dimer acid
PFMOAA - Perfluoro-2-methoxyacetic acid
PMPA - Perfluoro-2-methoxypropionic acid
1. All samples along the river transects were collected at the middle depth of the river.
2. The reporting detection limits are: HFPO-DA: 2 ng/L; PFMOAA: 2 ng/L; and PMPA: 10 ng/L.
3. Gage height, total precipitation, and flow data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.
4. The gage height and flow posted on each graph corresponds to the sampling date and time that the center sample was collected. The total precipitation represents the total from the start date and time to the end date and time of the sampling event.



Total Precipitation: 0 inches

Indicator PFAS Concentrations Across Cape Fear River Transects (December 2023)

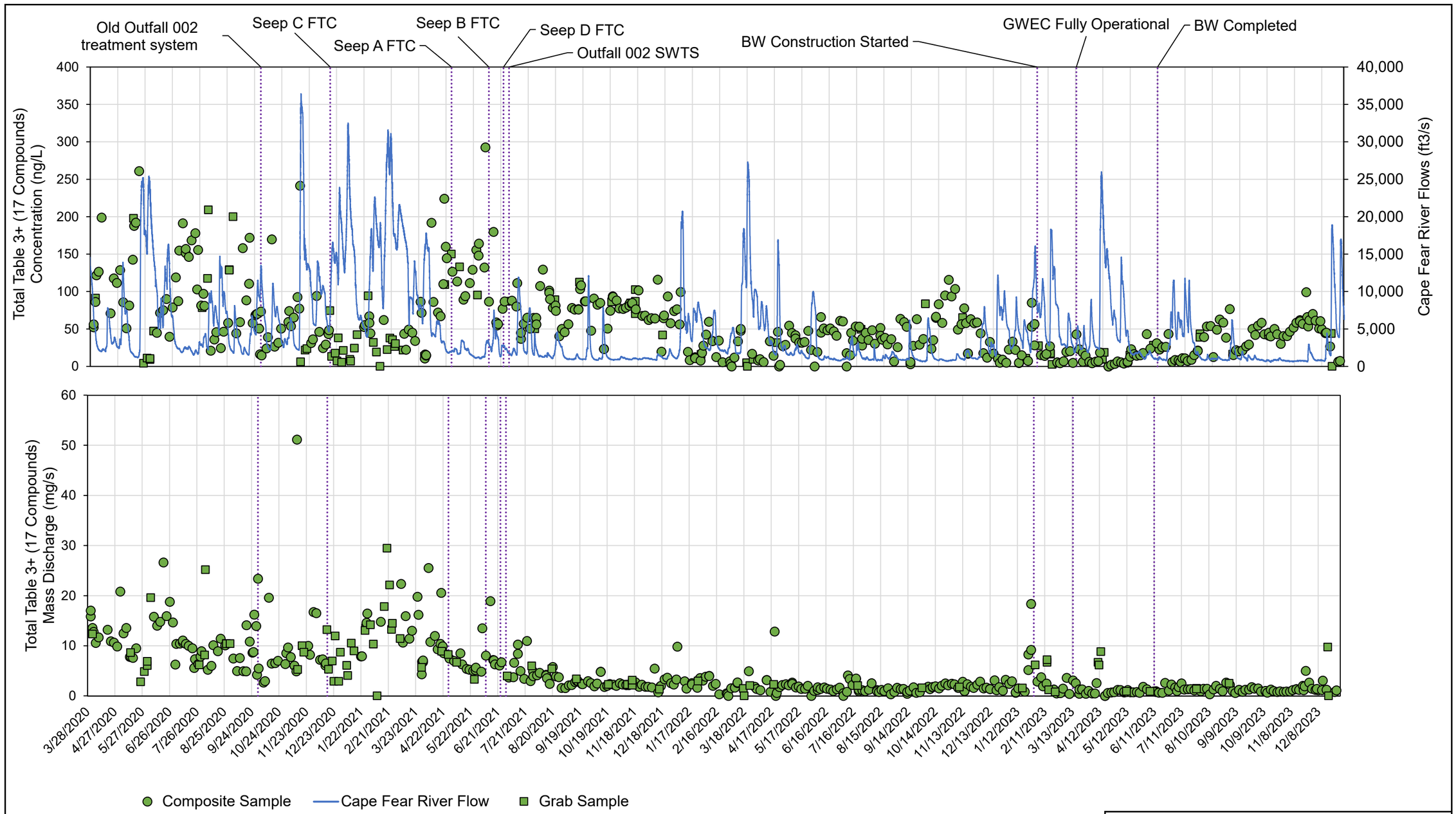
Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | March 2024

Figure
6-10C



Total Table 3+ (17 Compounds) Concentrations, Mass Discharge and Daily Flow at Tar Heel Ferry Road Bridge

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 **6-11**

Notes:
- A concentration of 0 ng/L and mass discharge of 0 mg/s indicate that all the compounds were not detected above the reporting limit.
- Flow and precipitation data are from the USGS gauging station #02105500 located at the W.O. Huske Dam.

Abbrevations:
BW - Barrier Wall
ft^3/s - cubic feet per second
FTC - Flow-through cell
GWEC - Groundwater extraction and conveyance system
mg/s - milligrams per second
ng/L - nanograms per liter
SWTS - Stormwater treatment system

Geosyntec consultants

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

Appendix A
Laboratory Analytical Data Review Narratives
(Full lab reports to be uploaded to OneDrive and EQuIS)

ADQM Data Review

Site: Chemours Fayetteville

Project: 004 NPDES Sampling 10/23, 11/23, and 12/23

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
004-INF-1023-2	320-105600-1	Other Liquid	N	10/03/2023	07:45	FS
004-EFF-1023-2	320-105600-2	Other Liquid	N	10/03/2023	08:00	FS
004-1023-FBLK	320-105600-3	Blank Water	N	10/03/2023	07:45	FB
004-INF-1023-3	320-105864-1	Other Liquid	N	10/10/2023	08:00	FS
004-EFF-1023-3	320-105864-2	Other Liquid	N	10/10/2023	08:00	FS
004-INF-1023-4	320-106101-1	Other Liquid	N	10/17/2023	08:00	FS
004-EFF-1023-4	320-106101-2	Other Liquid	N	10/17/2023	08:00	FS
004-INF-1023-5	320-106338-1	Other Liquid	N	10/24/2023	08:00	FS
004-EFF-1023-5	320-106338-2	Other Liquid	N	10/24/2023	08:00	FS
004-INF-1023	320-106562-1	Other Liquid	N	10/31/2023	07:30	FS
004-EFF-1023	320-106562-2	Other Liquid	N	10/31/2023	07:30	FS
004-INF-1123	320-106857-1	Other Liquid	N	11/06/2023	08:00	FS
004-EFF-1123	320-106857-2	Other Liquid	N	11/06/2023	08:00	FS
004-INF-1123-2	320-107032-1	Other Liquid	N	11/13/2023	08:00	FS
004-EFF-1123-2	320-107032-2	Other Liquid	N	11/13/2023	08:00	FS
004-1123-FBLK	320-107032-3	Blank Water	N	11/13/2023	08:00	FB
004-INF-1123-3	320-107359-1	Other Liquid	N	11/20/2023	08:00	FS
004-EFF-1123-3	320-107359-2	Other Liquid	N	11/20/2023	08:00	FS
004-INF-1123-4	320-107512-1	Other Liquid	N	11/27/2023	08:00	FS
004-EFF-1123-4	320-107512-2	Other Liquid	N	11/27/2023	08:00	FS
004-INF-1223	320-107703-1	Other Liquid	N	12/04/2023	07:30	FS
004-EFF-1223	320-107703-2	Other Liquid	N	12/04/2023	07:30	FS
004-INF-1223-2	320-107939-1	Other Liquid	N	12/11/2023	07:30	FS
004-EFF-1223-2	320-107939-2	Other Liquid	N	12/11/2023	07:30	FS
004-INF-1223-3	320-108186-1	Other Liquid	N	12/18/2023	08:30	FS
004-EFF-1223-3	320-108186-2	Other Liquid	N	12/18/2023	08:30	FS
004-INF-1223-4	320-108386-1	Other Liquid	N	12/27/2023	07:30	FS
004-EFF-1223-4	320-108386-2	Other Liquid	N	12/27/2023	07:30	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 11/23
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 10/23
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 11/23
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 12/23

ADQM Data Review Checklist

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

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

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

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-EFF-1023-5	10/24/2023	320-106338-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1123-3	11/20/2023	320-107359-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1123-4	11/27/2023	320-107512-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1223-2	12/11/2023	320-107939-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1223-3	12/18/2023	320-108186-2	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1223-3	12/18/2023	320-108186-2	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 12/23 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between LCS and LCSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-1223-2	12/11/2023	320-107939-1	Hydrolyzed PSDA	9.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1223-2	12/11/2023	320-107939-1	R-EVE	0.49	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/23 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-1023-2	10/03/2023	320-105600-1	R-PSDA	1.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1023-2	10/03/2023	320-105600-1	Hydrolyzed PSDA	13	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1023-2	10/03/2023	320-105600-1	R-EVE	0.69	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1223-2	12/11/2023	320-107939-1	R-PSDA	1.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1123-2	11/13/2023	320-107032-1	R-PSDA	1.2	UG/L	PQL		0.035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1123-2	11/13/2023	320-107032-1	Hydrolyzed PSDA	11	UG/L	PQL		0.019	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1123-2	11/13/2023	320-107032-1	R-EVE	0.62	UG/L	PQL		0.036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/23 **Validation Options:** LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-1023-5	10/24/2023	320-106338-1	PMPA	9.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1023-5	10/24/2023	320-106338-1	Hfpo Dimer Acid	14	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1023-5	10/24/2023	320-106338-1	PFMOAA	59	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP GW 4Q23, CAP MW 4Q23, CAP SW 4Q23

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
CAP4Q23-LTW-05-110223	320-106772-1	Groundwater	N	11/02/2023	10:50	FS
CAP4Q23-PIW-7S-110223	320-106772-2	Groundwater	N	11/02/2023	15:50	FS
CAP4Q23-PIW-7D-110223	320-106772-3	Groundwater	N	11/02/2023	14:00	FS
CAP4Q23-PZ-22-110223	320-106772-4	Groundwater	N	11/02/2023	15:25	FS
CAP4Q23-LTW-04-110223	320-106772-5	Groundwater	N	11/02/2023	14:40	FS
CAP4Q23-OW-28-110223	320-106772-6	Groundwater	N	11/02/2023	12:15	FS
CAP4Q23-LTW-02-110323	320-106772-7	Groundwater	N	11/03/2023	11:55	FS
CAP4Q23-LTW-01-110323	320-106773-1	Groundwater	N	11/03/2023	11:25	FS
CAP4Q23-PIW-3D-110323	320-106773-2	Groundwater	N	11/03/2023	10:00	FS
CAP4Q23-OW-33-110223	320-106773-3	Groundwater	N	11/02/2023	10:25	FS
CAP4Q23-OW-33-110223-D	320-106773-4	Groundwater	N	11/02/2023	10:25	DUP
CAP4Q23-PW-06-110623	320-106773-5	Groundwater	N	11/06/2023	12:50	FS
CAP4Q23-PIW-1D-110723	320-106887-1	Groundwater	N	11/07/2023	13:10	FS
CAP4Q23-PIW-1D-110723-Z	320-106887-2	Groundwater	Y	11/07/2023	13:10	FS
CAP4Q23-SMW-11-110723	320-106887-3	Groundwater	N	11/07/2023	15:35	FS
CAP4Q23-PW-09-110823	320-106887-4	Groundwater	N	11/08/2023	12:40	FS
CAP4Q23-EQBLK-DV-110823-Z	320-106887-5	Blank Water	Y	11/08/2023	15:15	EB
CAP4Q23-EQBLK-DV-110823	320-106887-6	Blank Water	N	11/08/2023	15:15	EB
CAP4Q23-PW-09-110823-Z	320-106887-7	Groundwater	Y	11/08/2023	12:40	FS
CAP4Q23-EQBLK-PP-110823-Z	320-106887-8	Blank Water	Y	11/08/2023	15:00	EB
CAP4Q23-EQBLK-PP-110823	320-106887-9	Blank Water	N	11/08/2023	15:00	EB
CAP4Q23-PW-04-110923	320-107233-1	Groundwater	N	11/09/2023	09:20	FS
CAP4Q23-PW-04-110923-Z	320-107233-2	Groundwater	Y	11/09/2023	09:20	FS
CAP4Q23-LTW-03-111323	320-107233-3	Groundwater	N	11/13/2023	12:40	FS
CAP4Q23-SMW-12-110823	320-107233-4	Groundwater	N	11/08/2023	13:05	FS
CAP4Q23-SMW-10-111623	320-107233-5	Groundwater	N	11/16/2023	13:29	FS

CAP4Q23-EQBLK-BAILER-110923	320-107233-6	Blank Water	N	11/09/2023	09:00	EB
CAP4Q23-EQBLK-BAILER-110923-Z	320-107233-7	Blank Water	Y	11/09/2023	09:05	EB
CAP4Q23-WC-1-112323	320-107480-1	Surface Water	N	11/23/2023	07:00	FS
CAP4Q23-WC-2-112323	320-107480-2	Surface Water	N	11/23/2023	06:50	FS
CAP4Q23-WC-3-112323	320-107480-3	Surface Water	N	11/23/2023	07:00	FS
CAP4Q23-SEEP-C-112323	320-107480-4	Surface Water	N	11/23/2023	09:30	FS
RIVER-WATER-INTAKE2-24-112323	320-107480-5	Surface Water	N	11/23/2023	07:00	FS
CAP4Q23-OUTFALL-002-112323	320-107480-6	Surface Water	N	11/23/2023	09:12	FS
CAP4Q23-WC-1-112323-D	320-107480-7	Surface Water	N	11/23/2023	07:00	DUP
CAP4Q23-TARHEEL-24-112423	320-107480-8	Surface Water	N	11/24/2023	04:36	FS
CAP4Q23-OLDOF-1-24-112323	320-107480-9	Surface Water	N	11/23/2023	10:44	FS
CAP4Q23-CFR-RM-76-112223	320-107648-1	Surface Water	N	11/22/2023	09:10	FS
CAP4Q23-GBC-1-112223	320-107648-2	Surface Water	N	11/22/2023	14:25	FS
CAP4Q23-LOCK-DAM-SEEP-112223	320-107648-3	Surface Water	N	11/22/2023	11:35	FS
CAP4Q23-LOCK-DAM-SEEP-112223-D	320-107648-4	Surface Water	N	11/22/2023	11:35	DUP
CAP4Q23-LOCK-DAM-NORTH-112223	320-107648-5	Surface Water	N	11/22/2023	11:45	FS
CAP4Q23-CFR-BLADEN-120623	320-107896-1	Surface Water	N	12/06/2023	11:25	FS
CAP4Q23-CFR-TARHEEL-120623	320-107896-2	Surface Water	N	12/06/2023	16:38	FS
CAP4Q23-CFR-KINGS-121423	320-108081-1	Surface Water	N	12/14/2023	12:15	FS
CAP4Q23-BLADEN-1DR-010424	320-108551-1	Groundwater	N	01/04/2024	11:18	FS
CAP4Q23-EQBLK-PP-010424	320-108551-2	Blank Water	N	01/04/2024	07:15	EB

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
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Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 4Q23
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP MW Sampling 4Q23

ADQM Data Review Checklist

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

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

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- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

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R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-SMW-10-111623	11/16/2023	320-107233-5	Hydrolyzed PSDA	0.0025	UG/L	PQL		0.0020	B	537 Modified		3535
CAP4Q23-SMW-10-111623	11/16/2023	320-107233-5	PFO2HxA	0.022	ug/L	PQL		0.0020	B	537 Modified		3535
CAP4Q23-SMW-12-110823	11/08/2023	320-107233-4	R-PSDA	0.076	UG/L	PQL		0.028	B	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	9Cl-PF3ONS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	11Cl-PF3OUdS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-WC-3-112323	11/23/2023	320-107480-3	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	DONA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: The preparation hold time for this sample was exceeded by a factor of 2. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-04-110923-Z	11/09/2023	320-107233-2	Perfluorooctadecanoic Acid	0.12	ug/L	PQL		0.12	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-OW-33-110223	11/02/2023	320-106773-3	Perfluorooctadecanoic Acid	0.094	ug/L	PQL		0.094	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PEPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	9Cl-PF3ONS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	11Cl-PF3OUdS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	DONA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-SMW-10-111623	11/16/2023	320-107233-5	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PMPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Hfpo Dimer Acid	0.0040	UG/L	PQL		0.0040	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFOS	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PEPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PPF Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	9Cl-PF3ONS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	11Cl-PF3OUdS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823	11/08/2023	320-106887-4	DONA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PMPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Hfpo Dimer Acid	0.0040	UG/L	PQL		0.0040	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFOS	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PEPA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoropentanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	6:2 Fluorotelomer sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFO2HxA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFO3OA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PPF Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	9Cl-PF3ONS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	11Cl-PF3OUdS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-PW-09-110823-Z	11/08/2023	320-106887-7	DONA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-OW-28-110223	11/02/2023	320-106772-6	Hydrolyzed PSDA	0.027	UG/L	PQL		0.027	UJ	537 Modified		3535
CAP4Q23-PW-06-110623	11/06/2023	320-106773-5	R-PSDA	0.028	UG/L	PQL		0.028	UJ	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	Perfluorooctadecanoic Acid	0.12	ug/L	PQL		0.12	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q23-EQBLK-BAILER-110923	11/09/2023	320-107233-6	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-EQBLK-BAILER-110923-Z	11/09/2023	320-107233-7	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Surrogates had relative percent recovery (RPR) values greater than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	Hfpo Dimer Acid	5.8	UG/L	PQL		0.14	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	Hfpo Dimer Acid	0.089	UG/L	PQL		0.0040	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-LOCK-DAM-SEEP-112223	11/22/2023	320-107648-3	PPF Acid	5.6	UG/L	PQL		0.23	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223-D	11/22/2023	320-107648-4	PPF Acid	10	UG/L	PQL		0.23	J	537 Modified		3535
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	PFO3OA	0.023	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	PFO4DA	0.0054	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323-D	11/23/2023	320-107480-7	PFO3OA	0.032	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323-D	11/23/2023	320-107480-7	PFO4DA	0.0081	ug/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Only one surrogate has relative percent recovery (RPR) values outside control limits and the parameter is a PFC (Detects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	NVHOS, Acid Form	0.0057	UG/L	PQL		0.0030	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PFO2HxA	0.19	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PPF Acid	0.22	UG/L	PQL		0.0050	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PFMOAA	0.29	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluorobutane Sulfonic Acid	0.0047	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	R-EVE	0.0074	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PEPA	0.048	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	Perfluoropentanoic Acid	0.0051	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PMPA	0.23	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	PFOS	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP MW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PW-04-110923-Z	11/09/2023	320-107233-2	R-PSDA	0.14	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-PW-04-110923-Z	11/09/2023	320-107233-2	R-EVE	0.099	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-BLADEN-1DR-010424	01/04/2024	320-108551-1	R-PSDA	0.012	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-BLADEN-1DR-010424	01/04/2024	320-108551-1	R-EVE	0.0050	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-BLADEN-120623	12/06/2023	320-107896-1	R-PSDA	0.0030	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-BLADEN-120623	12/06/2023	320-107896-1	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-BLADEN-120623	12/06/2023	320-107896-1	R-EVE	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	R-PSDA	0.87	UG/L	PQL		0.026	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	Hydrolyzed PSDA	6.5	UG/L	PQL		0.025	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	R-EVE	0.18	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-PW-04-110923	11/09/2023	320-107233-1	R-EVE	0.066	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-EQBLK-DV-110823	11/08/2023	320-106887-6	R-PSDA	0.0055	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-EQBLK-DV-110823	11/08/2023	320-106887-6	Hydrolyzed PSDA	0.036	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-EQBLK-DV-110823-Z	11/08/2023	320-106887-5	Hydrolyzed PSDA	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-PIW-1D-110723	11/07/2023	320-106887-1	R-PSDA	0.32	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-PIW-1D-110723	11/07/2023	320-106887-1	R-EVE	0.22	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-PIW-1D-110723-Z	11/07/2023	320-106887-2	R-PSDA	0.19	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-PIW-1D-110723-Z	11/07/2023	320-106887-2	R-EVE	0.15	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-SMW-11-110723	11/07/2023	320-106887-3	R-PSDA	0.13	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-SMW-11-110723	11/07/2023	320-106887-3	Hydrolyzed PSDA	0.074	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-SMW-11-110723	11/07/2023	320-106887-3	R-EVE	0.10	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-WC-3-112323	11/23/2023	320-107480-3	R-PSDA	0.0043	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-3-112323	11/23/2023	320-107480-3	R-EVE	0.0027	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
RIVER-WATER-INTAKE2-24-112323	11/23/2023	320-107480-5	R-PSDA	0.31	UG/L	PQL		0.0024	J	537 Modified		3535
RIVER-WATER-INTAKE2-24-112323	11/23/2023	320-107480-5	Hydrolyzed PSDA	0.14	UG/L	PQL		0.0020	J	537 Modified		3535
RIVER-WATER-INTAKE2-24-112323	11/23/2023	320-107480-5	R-EVE	0.25	UG/L	PQL		0.0027	J	537 Modified		3535
CAP4Q23-WC-2-112323	11/23/2023	320-107480-2	R-PSDA	0.0094	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-TARHEEL-120623	12/06/2023	320-107896-2	R-PSDA	0.0033	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-TARHEEL-120623	12/06/2023	320-107896-2	Hydrolyzed PSDA	0.0026	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-GBC-1-112223	11/22/2023	320-107648-2	R-PSDA	0.040	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-GBC-1-112223	11/22/2023	320-107648-2	R-EVE	0.020	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LOCK-DAM-NORTH-112223	11/22/2023	320-107648-5	R-PSDA	0.22	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LOCK-DAM-NORTH-112223	11/22/2023	320-107648-5	R-EVE	0.14	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223	11/22/2023	320-107648-3	R-PSDA	0.23	UG/L	PQL		0.0051	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223	11/22/2023	320-107648-3	Hydrolyzed PSDA	0.25	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223	11/22/2023	320-107648-3	R-EVE	0.095	UG/L	PQL		0.0057	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223-D	11/22/2023	320-107648-4	R-PSDA	0.27	UG/L	PQL		0.0052	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223-D	11/22/2023	320-107648-4	Hydrolyzed PSDA	0.25	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-LOCK-DAM-SEEP-112223-D	11/22/2023	320-107648-4	R-EVE	0.087	UG/L	PQL		0.0057	J	537 Modified		3535
CAP4Q23-OLDOF-1-24-112323	11/23/2023	320-107480-9	R-PSDA	0.019	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-OLDOF-1-24-112323	11/23/2023	320-107480-9	Hydrolyzed PSDA	0.029	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-OLDOF-1-24-112323	11/23/2023	320-107480-9	R-EVE	0.0090	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-OUTFALL-002-112323	11/23/2023	320-107480-6	R-PSDA	0.054	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-OUTFALL-002-112323	11/23/2023	320-107480-6	Hydrolyzed PSDA	0.042	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-OUTFALL-002-112323	11/23/2023	320-107480-6	R-EVE	0.044	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-SMW-12-110823	11/08/2023	320-107233-4	R-EVE	0.067	UG/L	PQL		0.031	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-TARHEEL-24-112423	11/24/2023	320-107480-8	R-PSDA	0.0020	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	R-PSDA	0.011	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	Hydrolyzed PSDA	0.028	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323	11/23/2023	320-107480-1	R-EVE	0.0059	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323-D	11/23/2023	320-107480-7	R-PSDA	0.013	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323-D	11/23/2023	320-107480-7	Hydrolyzed PSDA	0.036	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-WC-1-112323-D	11/23/2023	320-107480-7	R-EVE	0.0066	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-LTW-01-110323	11/03/2023	320-106773-1	Perfluoroheptanoic Acid	0.047	UG/L	PQL		0.025	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	R-EVE	0.028	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	R-PSDA	0.015	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Hydrolyzed PSDA	0.0046	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFOS	0.0089	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PMPA	0.013	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Hfpo Dimer Acid	0.0070	UG/L	PQL		0.0040	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	PFO2HxA	24	ug/L	PQL		0.069	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	PPF Acid	38	UG/L	PQL		0.31	J	537 Modified		3535
CAP4Q23-LTW-03-111323	11/13/2023	320-107233-3	PFMOAA	110	ug/L	PQL		0.51	J	537 Modified		3535
CAP4Q23-OW-33-110223	11/02/2023	320-106773-3	R-PSDA	0.25	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-OW-33-110223	11/02/2023	320-106773-3	Hydrolyzed PSDA	0.061	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-OW-33-110223	11/02/2023	320-106773-3	R-EVE	0.17	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-OW-33-110223-D	11/02/2023	320-106773-4	R-PSDA	0.23	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-OW-33-110223-D	11/02/2023	320-106773-4	Hydrolyzed PSDA	0.048	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-OW-33-110223-D	11/02/2023	320-106773-4	R-EVE	0.17	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-PIW-3D-110323	11/03/2023	320-106773-2	R-PSDA	0.75	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-PIW-3D-110323	11/03/2023	320-106773-2	Hydrolyzed PSDA	0.30	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-PIW-3D-110323	11/03/2023	320-106773-2	R-EVE	0.42	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-OW-28-110223	11/02/2023	320-106772-6	R-EVE	0.14	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-PIW-7D-110223	11/02/2023	320-106772-3	R-PSDA	0.51	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-PIW-7D-110223	11/02/2023	320-106772-3	Hydrolyzed PSDA	1.1	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-PIW-7D-110223	11/02/2023	320-106772-3	R-EVE	0.68	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-PIW-7S-110223	11/02/2023	320-106772-2	R-PSDA	0.91	UG/L	PQL		0.028	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-PIW-7S-110223	11/02/2023	320-106772-2	Hydrolyzed PSDA	0.060	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-PIW-7S-110223	11/02/2023	320-106772-2	R-EVE	1.2	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-PZ-22-110223	11/02/2023	320-106772-4	R-PSDA	0.51	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-PZ-22-110223	11/02/2023	320-106772-4	Hydrolyzed PSDA	1.6	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-PZ-22-110223	11/02/2023	320-106772-4	R-EVE	0.42	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-LTW-01-110323	11/03/2023	320-106773-1	R-PSDA	0.79	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-LTW-01-110323	11/03/2023	320-106773-1	Hydrolyzed PSDA	0.59	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-LTW-01-110323	11/03/2023	320-106773-1	R-EVE	0.53	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-LTW-02-110323	11/03/2023	320-106772-7	R-PSDA	0.52	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-LTW-02-110323	11/03/2023	320-106772-7	Hydrolyzed PSDA	1.5	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-LTW-02-110323	11/03/2023	320-106772-7	R-EVE	0.41	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-LTW-04-110223	11/02/2023	320-106772-5	R-PSDA	1.7	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-LTW-04-110223	11/02/2023	320-106772-5	Hydrolyzed PSDA	3.8	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-LTW-04-110223	11/02/2023	320-106772-5	R-EVE	1.7	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-LTW-05-110223	11/02/2023	320-106772-1	R-PSDA	0.95	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-LTW-05-110223	11/02/2023	320-106772-1	Hydrolyzed PSDA	1.9	UG/L	PQL		0.027	J	537 Modified		3535
CAP4Q23-LTW-05-110223	11/02/2023	320-106772-1	R-EVE	1.2	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q23-OW-28-110223	11/02/2023	320-106772-6	R-PSDA	0.23	UG/L	PQL		0.028	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PPF Acid	0.028	UG/L	PQL		0.0050	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFMOAA	0.011	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFO2HxA	0.0098	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFO3OA	0.0032	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorohexane Sulfonic Acid	0.0050	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q23 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorobutanoic Acid	0.0051	UG/L	PQL		0.0050	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorobutane Sulfonic Acid	0.0088	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoroheptanoic Acid	0.0037	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	PFOA	0.0057	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluoropentanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q23-CFR-KINGS-121423	12/14/2023	320-108081-1	Perfluorohexanoic Acid	0.011	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: Seep Flow Through Cell Sampling 4Q23

Project Reviewer: Bridget Gavaghan

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-C-INFLUENT-24-101423	320-106033-1	Surface Water	N	10/14/2023	23:00	FS
SEEP-C-INFLUENT-24-101423-D	320-106033-2	Surface Water	N	10/14/2023	23:00	DUP
SEEP-C-EFFLUENT-24-101423	320-106033-3	Surface Water	N	10/14/2023	23:00	FS
SEEP-EB-101623	320-106033-4	Blank Water	N	10/16/2023	12:05	EB
SEEP-FB-101623	320-106033-5	Blank Water	N	10/16/2023	12:10	FB
SEEP-C-INFLUENT-TSS-101623	320-106033-6	Surface Water	N	10/16/2023	12:15	FS
SEEP-C-EFFLUENT-TSS-101623	320-106033-7	Surface Water	N	10/16/2023	12:20	FS
SEEP-C-INFLUENT-24-102123	320-106275-1	Surface Water	N	10/21/2023	23:00	FS
SEEP-C-EFFLUENT-24-102123	320-106275-2	Surface Water	N	10/21/2023	23:00	FS
SEEP-C-INFLUENT-TSS-102323	320-106275-3	Surface Water	N	10/23/2023	10:00	FS
SEEP-C-EFFLUENT-TSS-102323	320-106275-4	Surface Water	N	10/23/2023	10:05	FS
SEEP-C-INFLUENT-24-103123	320-106621-1	Surface Water	N	10/31/2023	16:00	FS
SEEP-C-EFFLUENT-24-103123	320-106621-2	Surface Water	N	10/31/2023	16:00	FS
SEEP-C-INFLUENT-TSS-110123	320-106621-3	Surface Water	N	11/01/2023	14:00	FS
SEEP-C-EFFLUENT-TSS-110123	320-106621-4	Surface Water	N	11/01/2023	14:05	FS
SEEP-C-INFLUENT-24-110823	320-106959-1	Surface Water	N	11/08/2023	16:00	FS
SEEP-C-INFLUENT-24-110823-D	320-106959-2	Surface Water	N	11/08/2023	16:00	DUP
SEEP-C-EFFLUENT-24-110823	320-106959-3	Surface Water	N	11/08/2023	16:00	FS
SEEP-EB-110923	320-106959-4	Blank Water	N	11/09/2023	10:55	EB
SEEP-FB-110923	320-106959-5	Blank Water	N	11/09/2023	11:00	FB
SEEP-C-INFLUENT-TSS-110923	320-106959-6	Surface Water	N	11/09/2023	11:05	FS
SEEP-C-EFFLUENT-TSS-110923	320-106959-7	Surface Water	N	11/09/2023	11:00	FS
SEEP-C-INFLUENT-24-111523	320-107262-1	Water	N	11/15/2023	16:00	FS
SEEP-C-EFFLUENT-24-111523	320-107262-2	Water	N	11/15/2023	16:00	FS
SEEP-C-INFLUENT-TSS-111623	320-107262-3	Surface Water	N	11/16/2023	10:05	FS
SEEP-C-EFFLUENT-TSS-111623	320-107262-4	Surface Water	N	11/16/2023	10:10	FS
SEEP-C-INFLUENT-24-112223	320-107478-1	Surface Water	N	11/22/2023	16:00	FS
SEEP-C-EFFLUENT-24-112223	320-107478-2	Surface Water	N	11/22/2023	16:00	FS

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-C-INFLUENT-TSS-112723	320-107478-3	Surface Water	N	11/27/2023	12:40	FS
SEEP-C-EFFLUENT-TSS-112723	320-107478-4	Surface Water	N	11/27/2023	12:45	FS
SEEP-C-INFLUENT-24-113023	320-107704-1	Surface Water	N	11/30/2023	18:30	FS
SEEP-C-EFFLUENT-24-113023	320-107704-2	Surface Water	N	11/30/2023	18:30	FS
SEEP-C-INFLUENT-TSS-120123	320-107704-3	Surface Water	N	12/01/2023	09:15	FS
SEEP-C-EFFLUENT-TSS-120123	320-107704-4	Surface Water	N	12/01/2023	09:20	FS
SEEP-C-INFLUENT-24-120723	320-107929-1	Surface Water	N	12/07/2023	15:00	FS
SEEP-C-INFLUENT-24-120723-D	320-107929-2	Surface Water	N	12/07/2023	15:00	DUP
SEEP-C-EFFLUENT-24-120723	320-107929-3	Surface Water	N	12/07/2023	15:00	FS
SEEP-EB-120823	320-107929-4	Blank Water	N	12/08/2023	12:15	EB
SEEP-FB-120823	320-107929-5	Blank Water	N	12/08/2023	12:20	FB
SEEP-C-INFLUENT-TSS-120823	320-107929-6	Surface Water	N	12/08/2023	11:10	FS
SEEP-C-EFFLUENT-TSS-120823	320-107929-7	Surface Water	N	12/08/2023	11:15	FS
SEEP-C-INFLUENT-24-121423	320-108178-1	Surface Water	N	12/14/2023	15:00	FS
SEEP-C-EFFLUENT-24-121423	320-108178-2	Surface Water	N	12/14/2023	15:00	FS
SEEP-C-INFLUENT-TSS-121523	320-108178-3	Surface Water	N	12/15/2023	09:15	FS
SEEP-C-EFFLUENT-TSS-121523	320-108178-4	Surface Water	N	12/15/2023	09:20	FS
SEEP-A-INFLUENT-24-121823	320-108303-1	Surface Water	N	12/18/2023	11:00	FS
SEEP-A-EFFLUENT-24-121823	320-108303-2	Surface Water	N	12/18/2023	11:00	FS
SEEP-C-INFLUENT-24-121823	320-108303-3	Surface Water	N	12/18/2023	11:00	FS
SEEP-C-EFFLUENT-24-121823	320-108303-4	Surface Water	N	12/18/2023	11:00	FS
SEEP-D-INFLUENT-24-121823	320-108303-5	Surface Water	N	12/18/2023	11:00	FS
SEEP-D-EFFLUENT-24-121823	320-108303-6	Surface Water	N	12/18/2023	11:00	FS
SEEP-B-EFFLUENT-24-121823	320-108303-7	Surface Water	N	12/18/2023	11:00	FS
SEEP-B-INFLUENT-24-121823	320-108303-8	Surface Water	N	12/18/2023	11:00	FS
SEEP-A-INFLUENT-TSS-122723	320-108387-1	Surface Water	N	12/27/2023	10:50	FS
SEEP-B-INFLUENT-TSS-122723	320-108387-2	Surface Water	N	12/27/2023	11:15	FS
SEEP-C-INFLUENT-TSS-122723	320-108387-3	Surface Water	N	12/27/2023	11:25	FS
SEEP-D-INFLUENT-TSS-122723	320-108387-4	Surface Water	N	12/27/2023	11:40	FS

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-A-EFFLUENT-TSS-122723	320-108387-5	Surface Water	N	12/27/2023	10:55	FS
SEEP-B-EFFLUENT-TSS-122723	320-108387-6	Surface Water	N	12/27/2023	11:20	FS
SEEP-C-EFFLUENT-TSS-122723	320-108387-7	Surface Water	N	12/27/2023	11:30	FS
SEEP-D-EFFLUENT-TSS-122723	320-108387-8	Surface Water	N	12/27/2023	11:45	FS
SEEP-A-INFLUENT-24-122623	320-108388-1	Surface Water	N	12/26/2023	23:00	FS
SEEP-A-EFFLUENT-24-122623	320-108388-2	Surface Water	N	12/26/2023	23:00	FS
SEEP-C-INFLUENT-24-122623	320-108388-3	Surface Water	N	12/26/2023	23:00	FS
SEEP-C-EFFLUENT-24-122623	320-108388-4	Surface Water	N	12/26/2023	23:00	FS
SEEP-D-INFLUENT-24-122623	320-108388-5	Surface Water	N	12/26/2023	23:00	FS
SEEP-D-EFFLUENT-24-122723	320-108388-6	Surface Water	N	12/27/2023	13:00	FS
SEEP-B-EFFLUENT-24-122723	320-108388-7	Surface Water	N	12/27/2023	13:00	FS
SEEP-B-INFLUENT-24-122623	320-108388-8	Surface Water	N	12/26/2023	23:00	FS

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	Seep Flow Through Cell Sampling 2023
Eurofins Environ Testing Northern Cali	SM 2540 D	Total Suspended Solids	Seep Flow Through Cell Sampling 2023

ADQM Data Review Checklist

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

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

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

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	Perfluoro(2-ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	Perfluoro(2-ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	Perfluoro(2-ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	Hydrolyzed PSDA	0.038	UG/L	PQL		0.038	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	R-EVE	0.072	UG/L	PQL		0.072	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PS Acid	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-EFFLUENT-TSS-121823	12/18/2023	320-108306-8	Total Suspended Solids	1.0	MG/L	MDL	1.0	3.0	UJ	SM 2540 D-2015		

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-NEW-102623	10/26/2023	320-106424-1	NVHOS, Acid Form	0.038	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-D-102623	10/26/2023	320-106424-2	NVHOS, Acid Form	0.056	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	Hydrolyzed PSDA	0.063	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	Hydrolyzed PSDA	0.13	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-110823	11/08/2023	320-106959-1	Hydrolyzed PSDA	0.13	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-110823-D	11/08/2023	320-106959-2	Hydrolyzed PSDA	0.067	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between MS and MSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-24-111523	11/15/2023	320-107262-1	R-PSDA	0.11	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-111523	11/15/2023	320-107262-1	Hydrolyzed PSDA	0.046	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-111523	11/15/2023	320-107262-1	R-EVE	0.085	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-111523	11/15/2023	320-107262-1	PFO4DA	0.40	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-24-121823	12/18/2023	320-108303-5	R-PSDA	0.36	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-121823	12/18/2023	320-108303-5	Hydrolyzed PSDA	0.55	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-121823	12/18/2023	320-108303-5	R-EVE	0.31	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-122623	12/26/2023	320-108388-5	R-PSDA	0.18	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-122623	12/26/2023	320-108388-5	Hydrolyzed PSDA	0.26	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-122623	12/26/2023	320-108388-5	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-102623	10/26/2023	320-106424-1	R-PSDA	0.096	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-102623	10/26/2023	320-106424-1	Hydrolyzed PSDA	0.070	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-102623	10/26/2023	320-106424-1	R-EVE	0.098	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-D-102623	10/26/2023	320-106424-2	R-PSDA	0.10	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-D-102623	10/26/2023	320-106424-2	Hydrolyzed PSDA	0.057	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-NEW-D-102623	10/26/2023	320-106424-2	R-EVE	0.11	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121823	12/18/2023	320-108303-3	R-PSDA	0.14	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121823	12/18/2023	320-108303-3	R-EVE	0.11	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-122623	12/26/2023	320-108388-3	R-PSDA	0.25	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-122623	12/26/2023	320-108388-3	R-EVE	0.27	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-121823	12/18/2023	320-108303-8	R-PSDA	1.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-121823	12/18/2023	320-108303-8	Hydrolyzed PSDA	7.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-121823	12/18/2023	320-108303-8	R-EVE	0.97	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-122623	12/26/2023	320-108388-8	R-PSDA	0.94	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-122623	12/26/2023	320-108388-8	Hydrolyzed PSDA	4.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-122623	12/26/2023	320-108388-8	R-EVE	0.61	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-121823	12/18/2023	320-108303-2	R-PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-24-121823	12/18/2023	320-108303-2	Hydrolyzed PSDA	0.036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-121823	12/18/2023	320-108303-2	R-EVE	0.0036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-122623	12/26/2023	320-108388-2	R-PSDA	0.0075	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-122623	12/26/2023	320-108388-2	Hydrolyzed PSDA	0.024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-122623	12/26/2023	320-108388-2	R-EVE	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-121823	12/18/2023	320-108303-1	R-PSDA	0.98	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-121823	12/18/2023	320-108303-1	Hydrolyzed PSDA	2.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-121823	12/18/2023	320-108303-1	R-EVE	0.17	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122623	12/26/2023	320-108388-1	R-PSDA	0.54	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122623	12/26/2023	320-108388-1	Hydrolyzed PSDA	1.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122623	12/26/2023	320-108388-1	R-EVE	0.26	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423	10/14/2023	320-106033-1	R-PSDA	0.22	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423	10/14/2023	320-106033-1	Hydrolyzed PSDA	0.080	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423	10/14/2023	320-106033-1	R-EVE	0.14	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423-D	10/14/2023	320-106033-2	R-PSDA	0.18	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423-D	10/14/2023	320-106033-2	Hydrolyzed PSDA	0.078	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-101423-D	10/14/2023	320-106033-2	R-EVE	0.18	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-102123	10/21/2023	320-106275-1	R-PSDA	0.19	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-102123	10/21/2023	320-106275-1	Hydrolyzed PSDA	0.080	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-102123	10/21/2023	320-106275-1	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-103123	10/31/2023	320-106621-1	R-PSDA	0.19	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-103123	10/31/2023	320-106621-1	Hydrolyzed PSDA	0.069	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-103123	10/31/2023	320-106621-1	R-EVE	0.14	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: Uncertainty around the analysis of R-PSDA, Hydrolyzed PSDA and R-EVE; J-qualifier added to all detects in the data set, even if there was no matrix spike analyzed for that particular sample.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-24-110823	11/08/2023	320-106959-1	R-PSDA	0.21	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-110823	11/08/2023	320-106959-1	R-EVE	0.16	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-110823-D	11/08/2023	320-106959-2	R-PSDA	0.14	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-110823-D	11/08/2023	320-106959-2	R-EVE	0.13	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-112223	11/22/2023	320-107478-1	R-PSDA	0.13	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-112223	11/22/2023	320-107478-1	Hydrolyzed PSDA	0.041	UG/L	PQL		0.0076	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-112223	11/22/2023	320-107478-1	R-EVE	0.077	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-113023	11/30/2023	320-107704-1	R-PSDA	0.11	UG/L	PQL		0.0035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-113023	11/30/2023	320-107704-1	Hydrolyzed PSDA	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-113023	11/30/2023	320-107704-1	R-EVE	0.074	UG/L	PQL		0.0036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-TSS-121823	12/18/2023	320-108306-4	Total Suspended Solids	39	MG/L	MDL	2.5	7.5	J	SM 2540 D-2015		
SEEP-C-INFLUENT-TSS-121823	12/18/2023	320-108306-3	Total Suspended Solids	36	MG/L	MDL	2.5	7.5	J	SM 2540 D-2015		
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	Hydro-PS Acid	0.075	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	Hydro-EVE Acid	0.076	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	NVHOS, Acid Form	0.065	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFMOAA	6.2	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	R-PSDA	0.098	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFO2HxA	2.8	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFO3OA	0.75	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PFO4DA	0.31	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PEPA	0.22	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	PMPA	0.86	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121423	12/14/2023	320-108178-1	Hfpo Dimer Acid	1.1	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	Hydro-PS Acid	0.059	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	Hydro-EVE Acid	0.090	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	NVHOS, Acid Form	0.15	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFO2HxA	2.5	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFO3OA	0.70	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFO4DA	0.30	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFO5DA	0.083	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PFMOAA	5.8	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	R-EVE	0.11	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PEPA	0.25	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: The analysis hold time for this sample was exceeded. The reported result may be biased low.

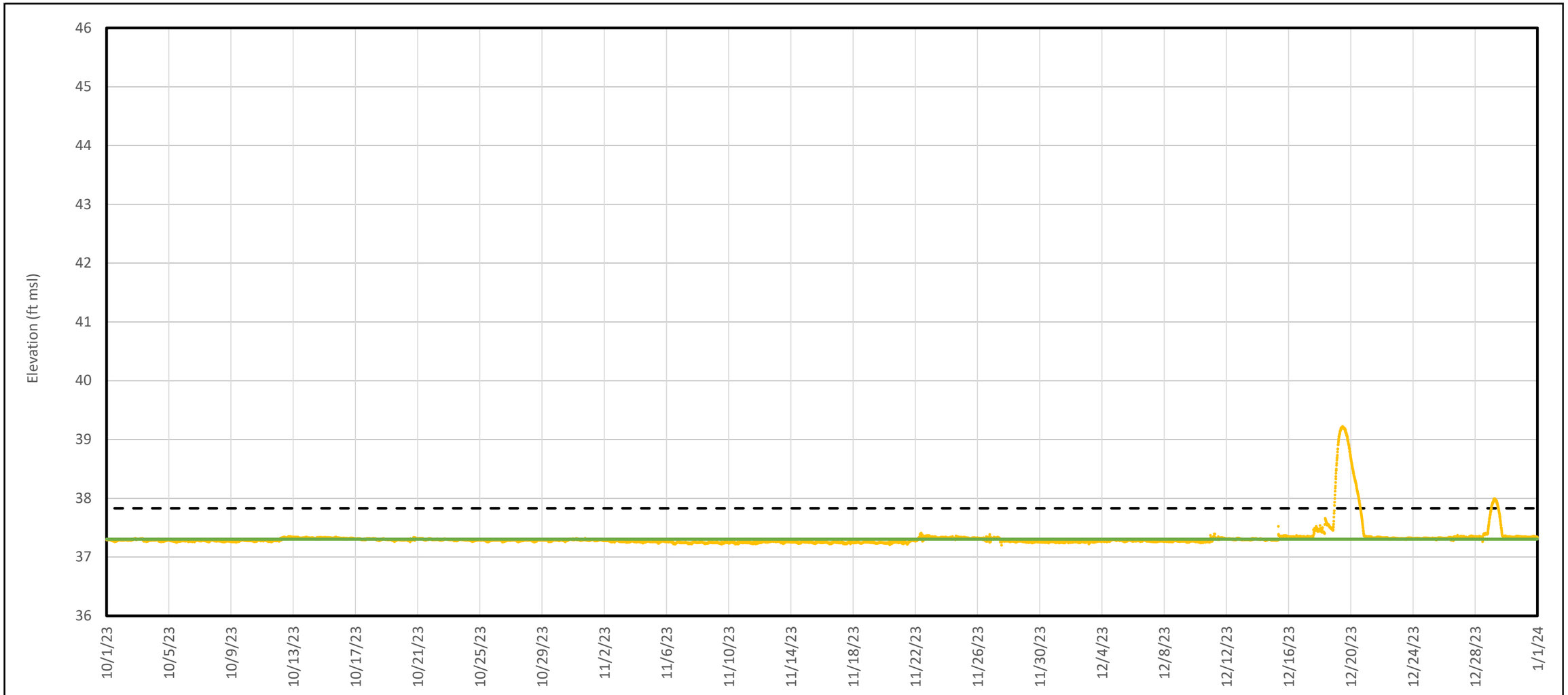
Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	R-PSDA	0.14	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	PMPA	1.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723-D	12/07/2023	320-107929-2	Hfpo Dimer Acid	1.1	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	Hydro-PS Acid	0.071	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	Hydro-EVE Acid	0.094	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	NVHOS, Acid Form	0.19	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFMOAA	6.0	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	R-EVE	0.14	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PEPA	0.26	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFO2HxA	2.7	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFO3OA	0.74	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PFO4DA	0.28	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	R-PSDA	0.17	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	PMPA	1.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-120723	12/07/2023	320-107929-1	Hfpo Dimer Acid	1.1	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-TSS-121823	12/18/2023	320-108306-2	Total Suspended Solids	49	MG/L	MDL	2.9	8.6	J	SM 2540 D-2015		
SEEP-A-EFFLUENT-TSS-121823	12/18/2023	320-108306-5	Total Suspended Solids	36	MG/L	MDL	2.2	6.7	J	SM 2540 D-2015		
SEEP-A-INFLUENT-TSS-121823	12/18/2023	320-108306-1	Total Suspended Solids	120	MG/L	MDL	5.0	15	J	SM 2540 D-2015		
SEEP-B-EFFLUENT-TSS-121823	12/18/2023	320-108306-6	Total Suspended Solids	14	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-C-EFFLUENT-TSS-121823	12/18/2023	320-108306-7	Total Suspended Solids	9.5	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2023 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-EFFLUENT-TSS-122723	12/27/2023	320-108387-6	Total Suspended Solids	1.0	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-C-EFFLUENT-TSS-110923	11/09/2023	320-106959-7	Total Suspended Solids	3.2	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-C-EFFLUENT-TSS-111623	11/16/2023	320-107262-4	Total Suspended Solids	1.6	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-C-EFFLUENT-TSS-121523	12/15/2023	320-108178-4	Total Suspended Solids	2.8	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-C-INFLUENT-TSS-101623	10/16/2023	320-106033-6	Total Suspended Solids	3.2	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-C-INFLUENT-TSS-110123	11/01/2023	320-106621-3	Total Suspended Solids	2.4	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-INFLUENT-TSS-122723	12/27/2023	320-108387-4	Total Suspended Solids	1.7	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		

Appendix B
FTC Transducer Data Reduction



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation

Notes:

GAC - granular activated carbon

Figure B1-A shows the discharge basin transducer data that was collected during the reporting period.

Discharge Basin Water Elevation - Seep A

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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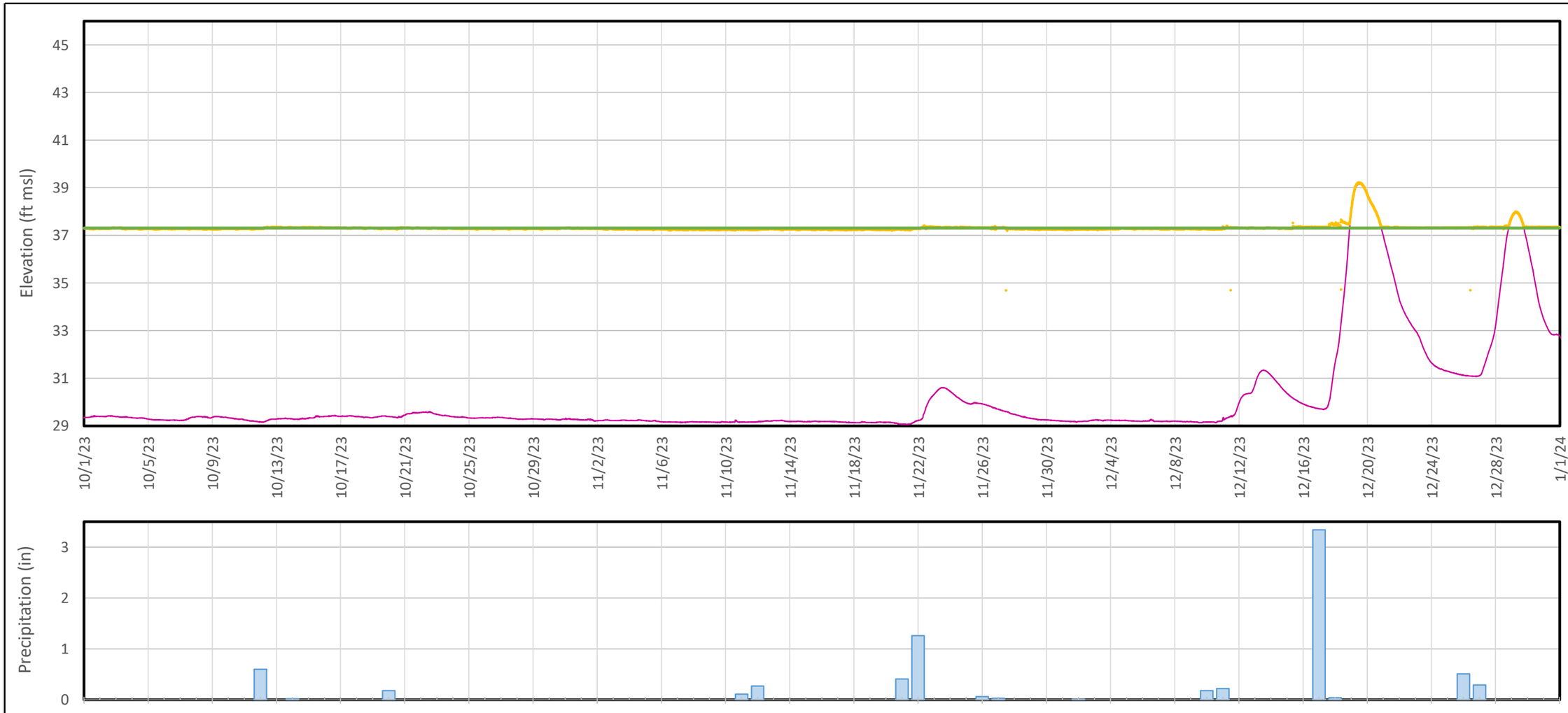
Figure B1-A



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Discharge Basin Water Elevation and External Forcings - Seep A

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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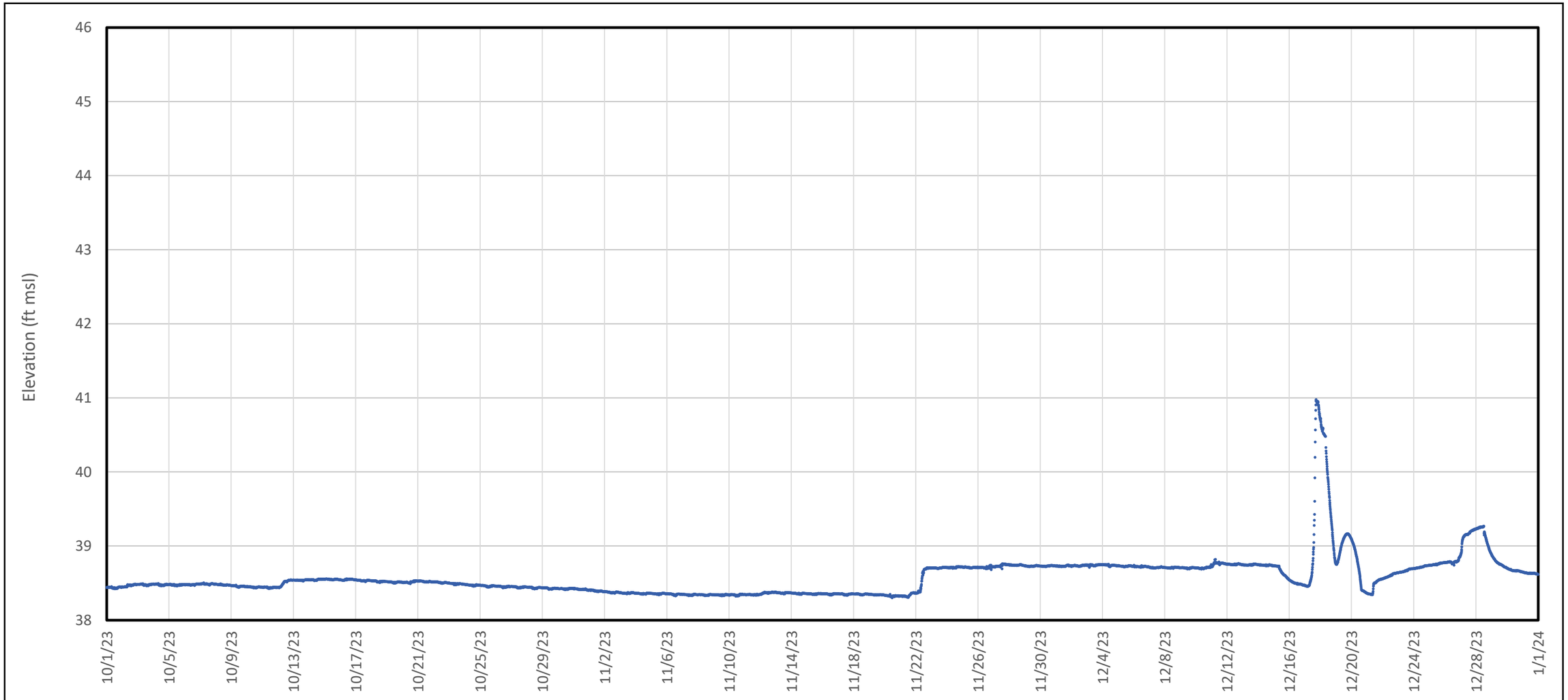
Figure B2-A



Legend

Influent Chamber/Impoundment Elevation

Notes:

Figure B3-A shows the influent transducer data that was collected during the reporting period.

Inlet Chamber Water Elevation - Seep A

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Fayetteville, North Carolina

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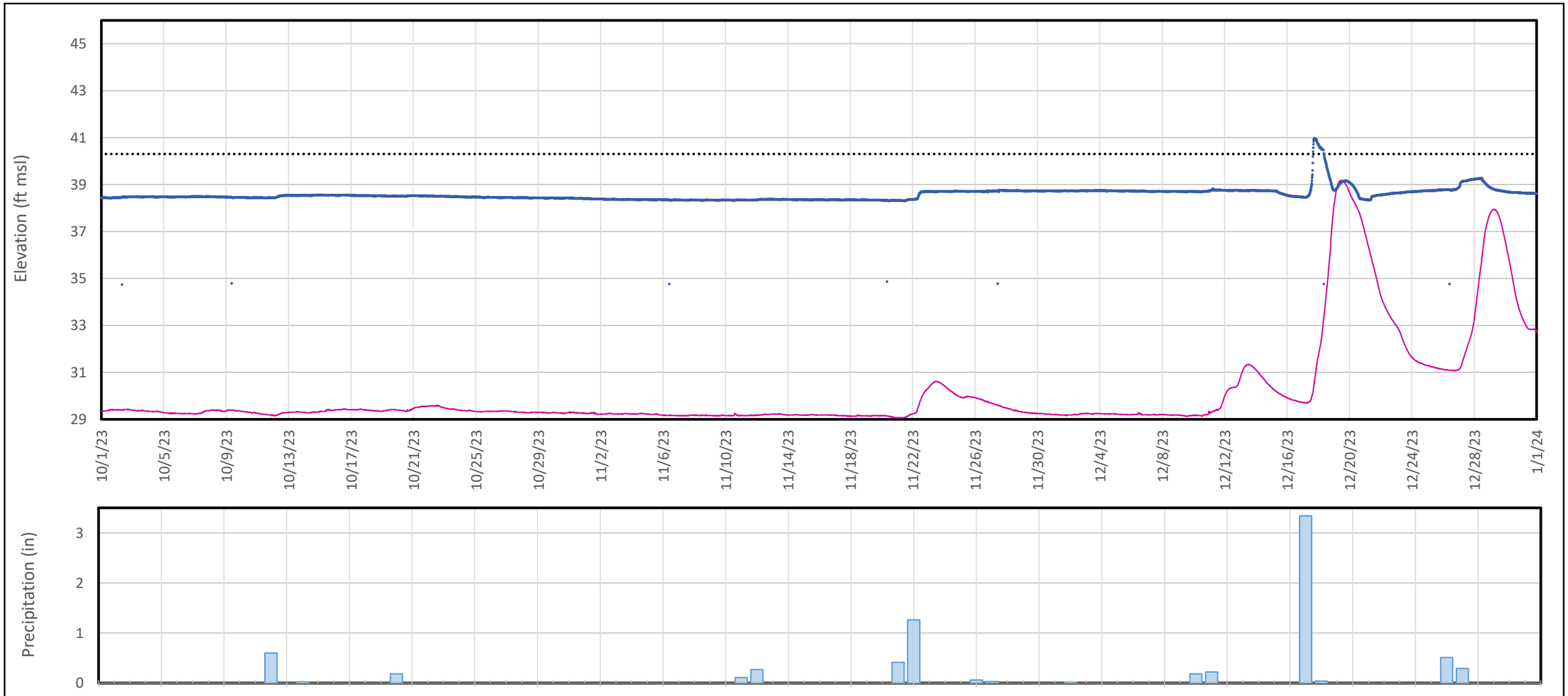
Figure B3-A



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Inlet Chamber Water Elevation and External Forcings - Seep A

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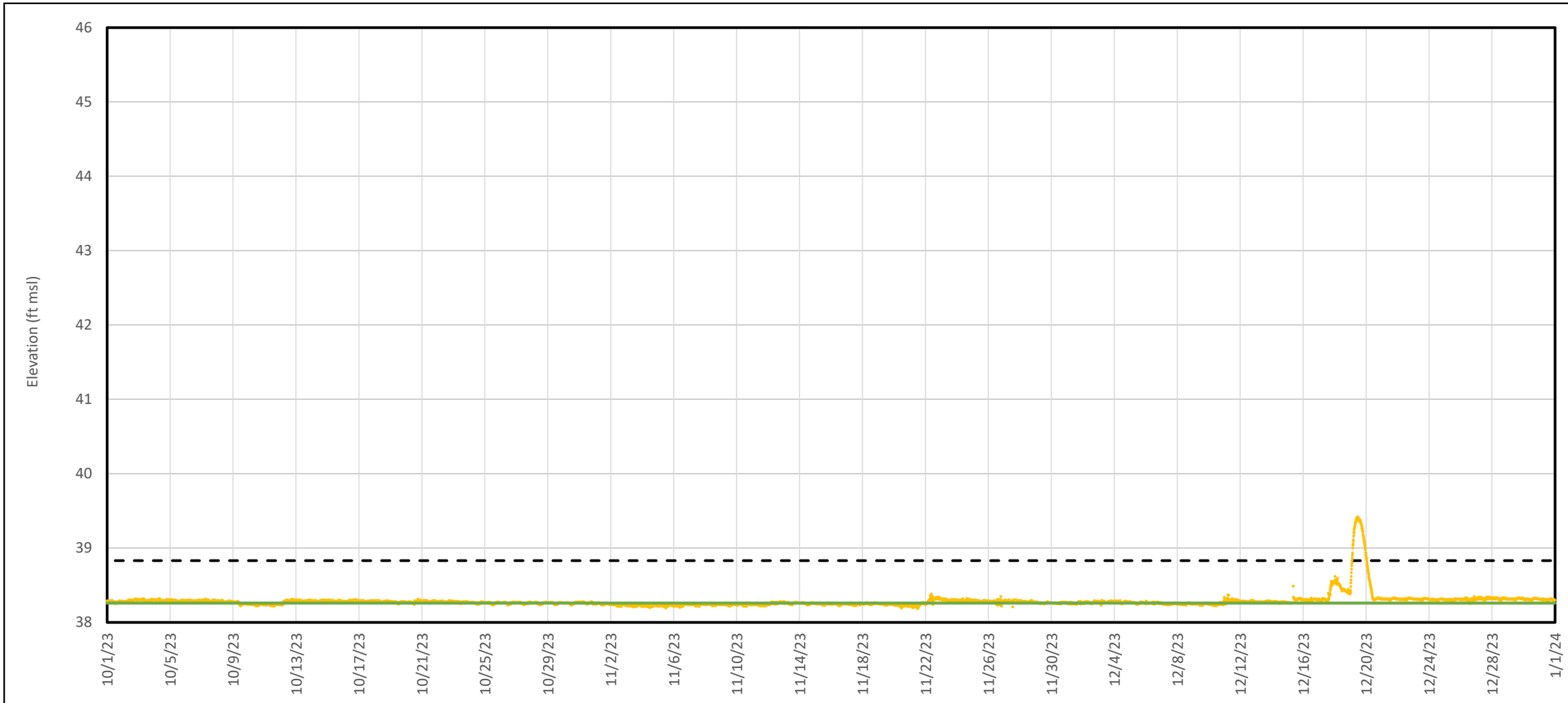
Figure B4-A



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation

Notes:

GAC - granular activated carbon

Figure B1-B shows the discharge basin transducer data that was collected during the reporting period.

Discharge Basin Water Elevation - Seep B

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Fayetteville, North Carolina

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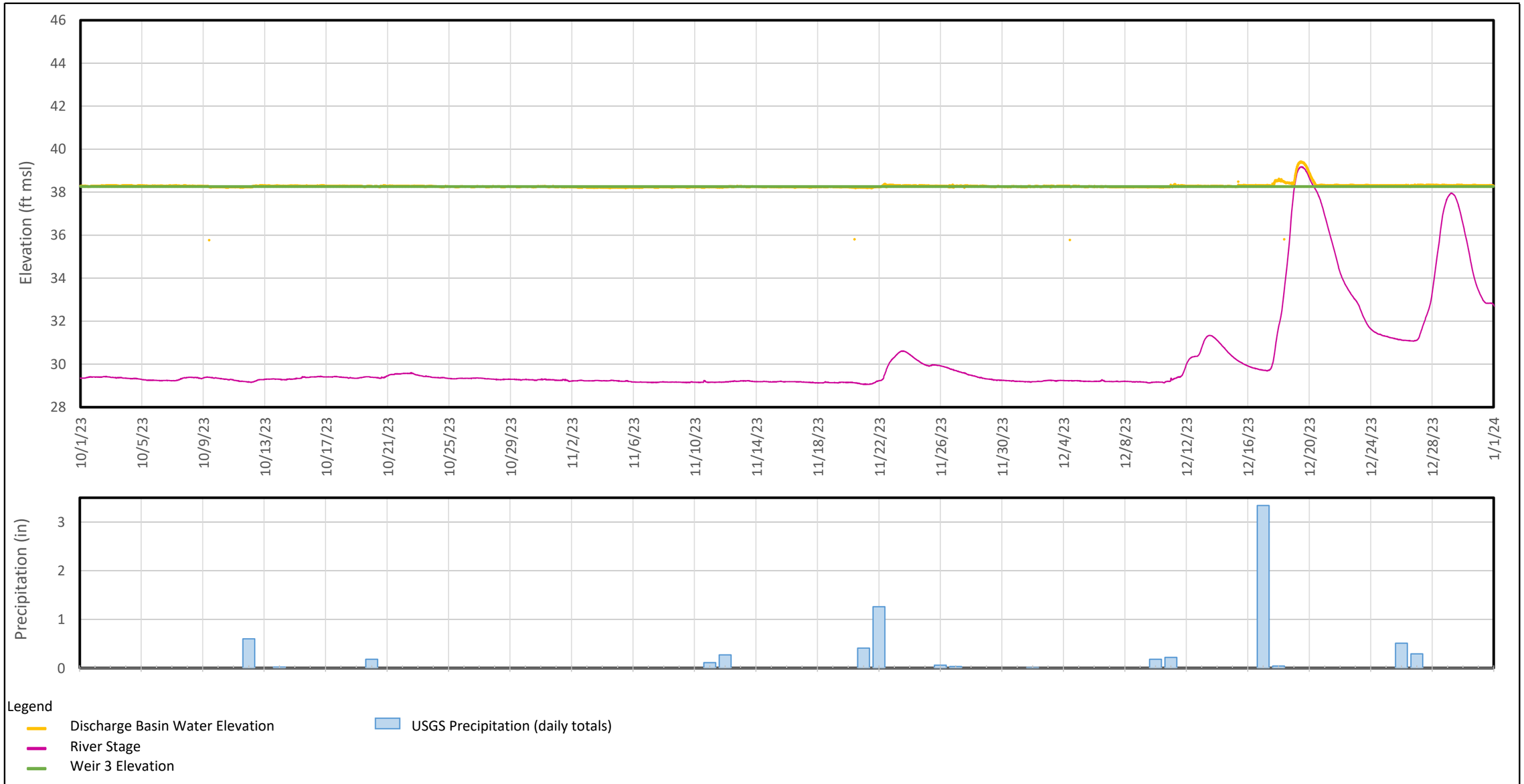
Figure B1-B



Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Discharge Basin Water Elevation and External Forcings - Seep B

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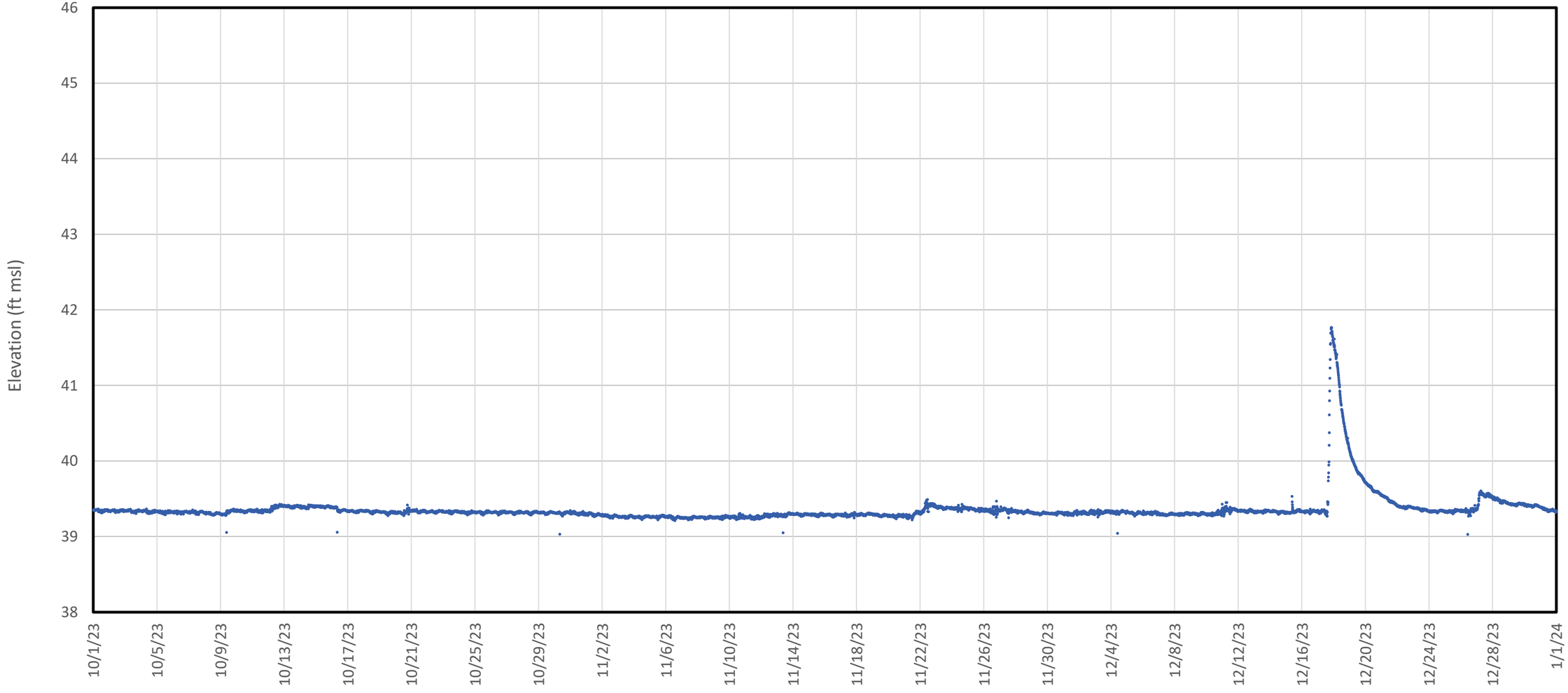
Figure B2-B



Legend

Influent Chamber/Impoundment Elevation

Notes:

Figure B3-B shows the influent transducer data that was collected during the reporting period.

Inlet Chamber Water Elevation - Seep B

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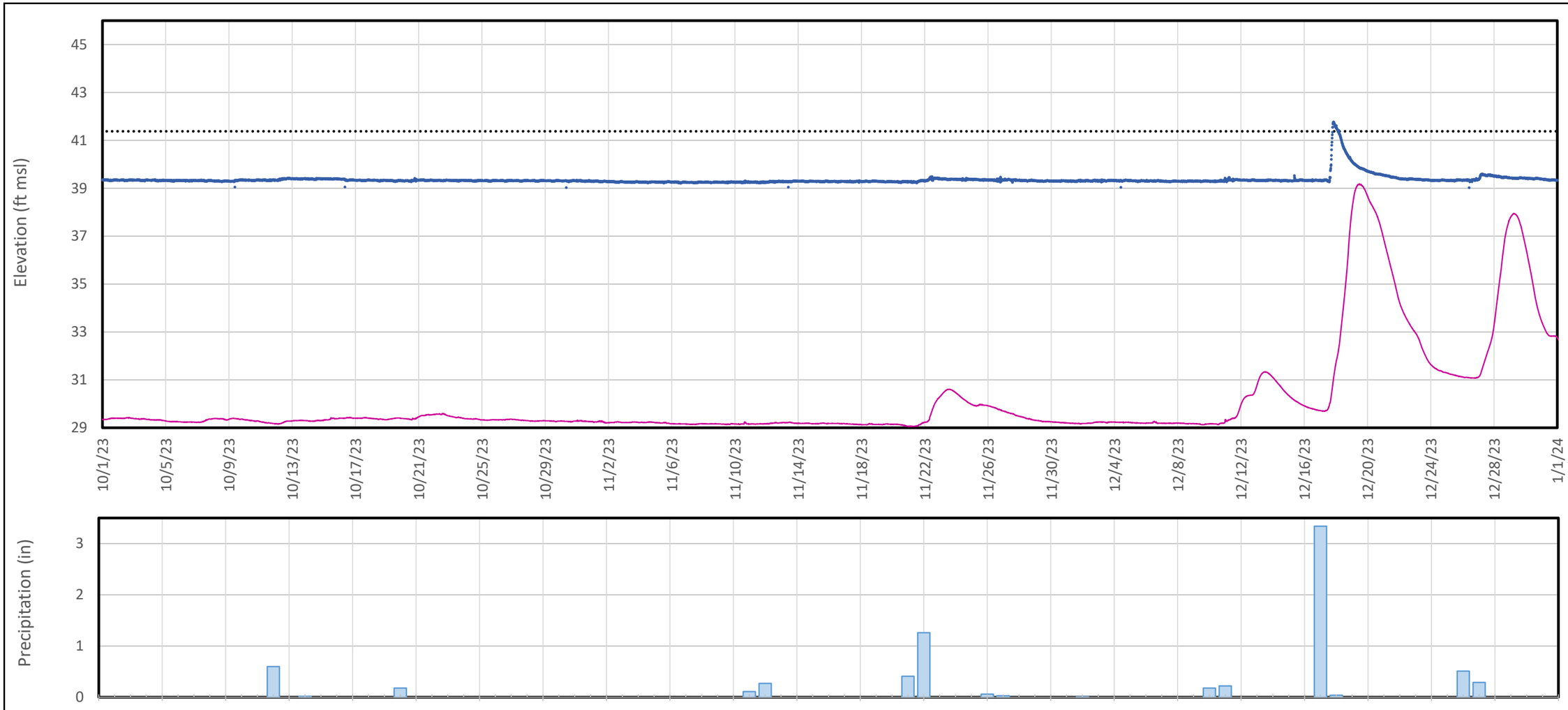
Figure B3-B



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Inlet Chamber Water Elevation and External Forcings - Seep B

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Fayetteville, North Carolina

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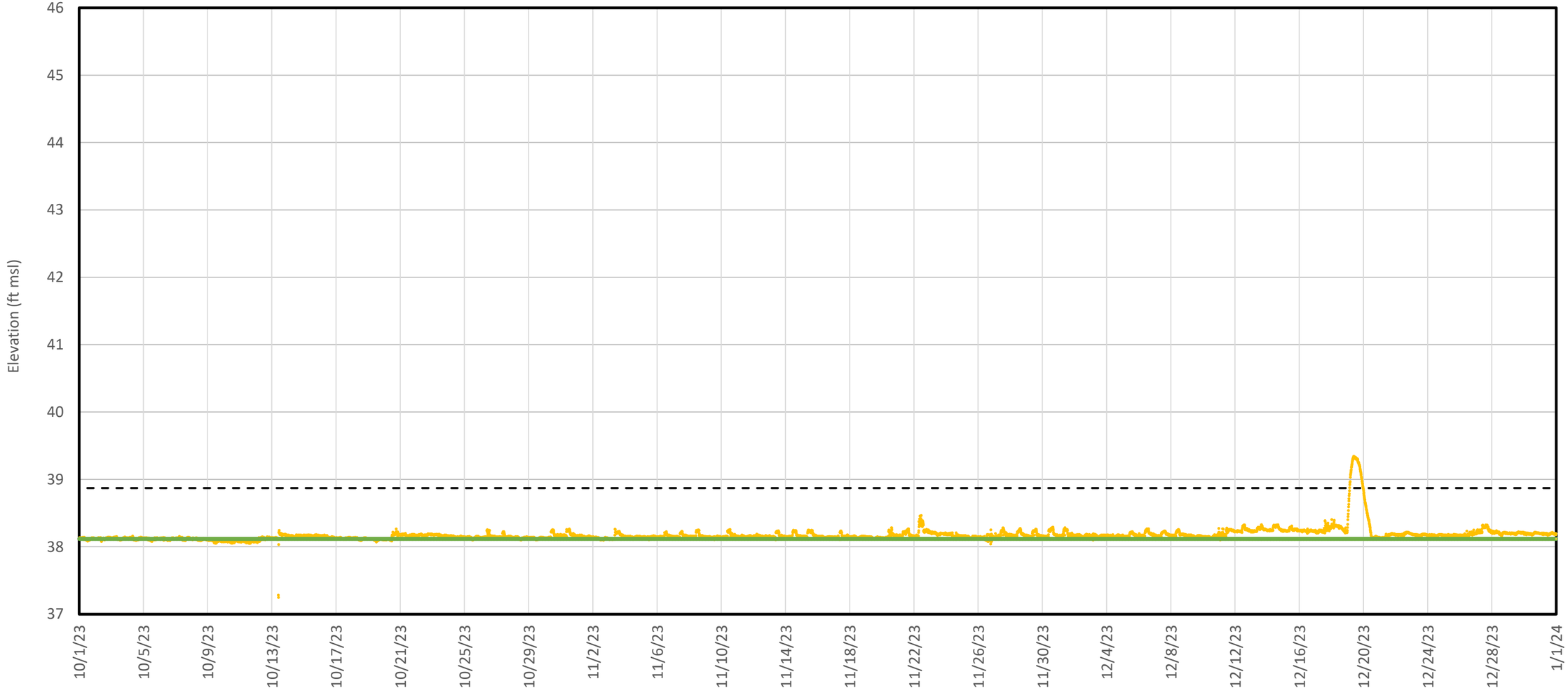
Figure B4-B



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation

Notes:

GAC - granular activated carbon

Figure B1-C shows the discharge basin transducer data that was collected during the reporting period.

Discharge Basin Water Elevation - Seep C

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

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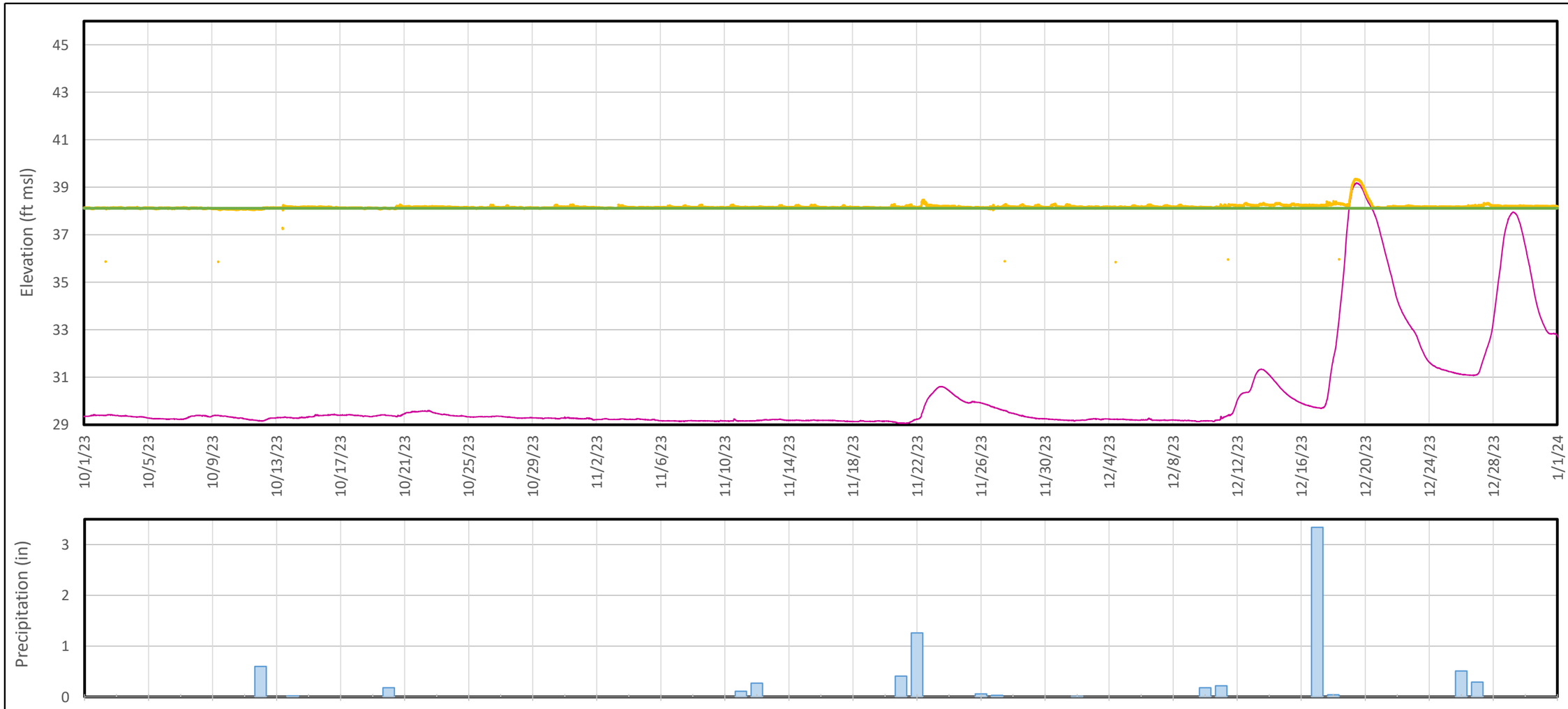
Figure B1-C



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Discharge Basin Water Elevation and External Forcings - Seep C

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Fayetteville, North Carolina

Geosyntec consultants

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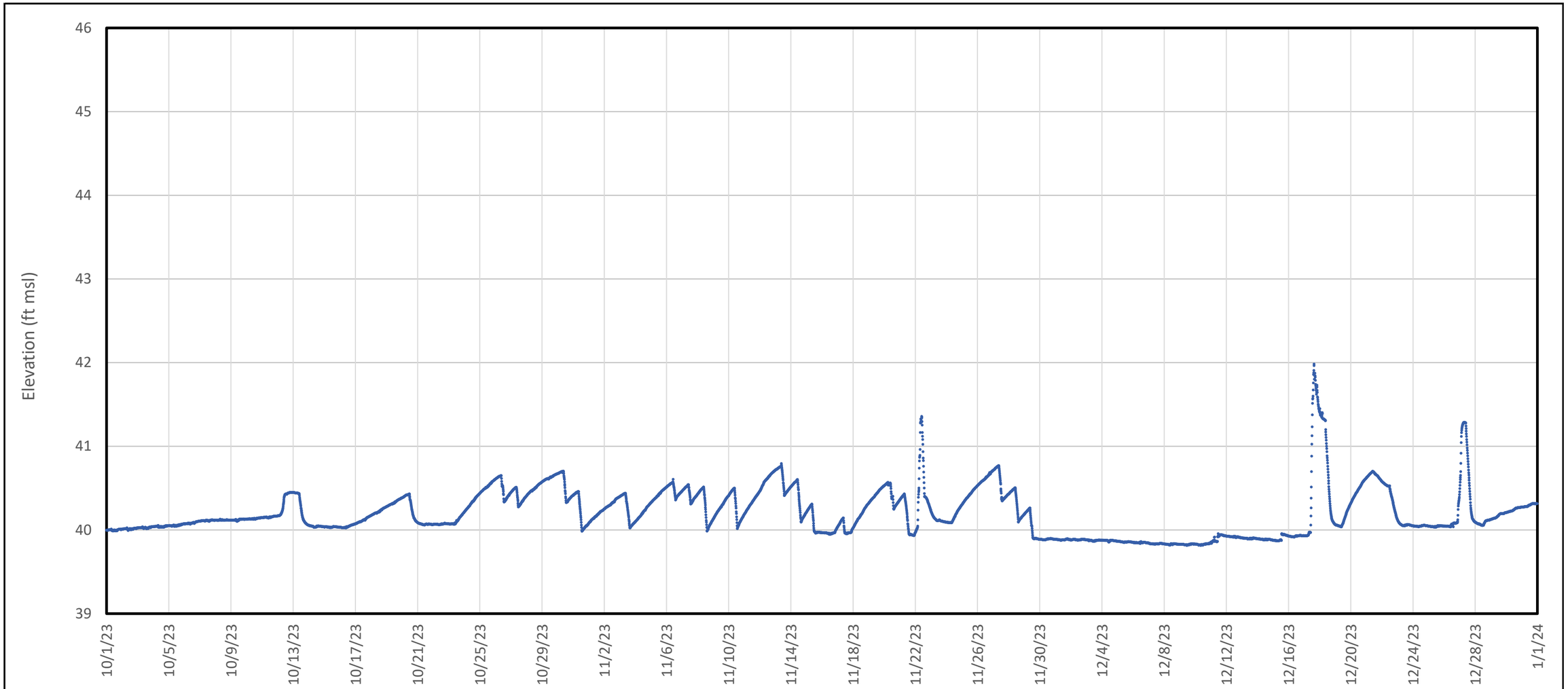
Figure B2-C



Legend

- Influent Chamber/Impoundment Elevation
- GAC Changeout

Notes:

Figure B3-C shows the influent transducer data that was collected during the reporting period.

Inlet Chamber Water Elevation - Seep C

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Fayetteville, North Carolina

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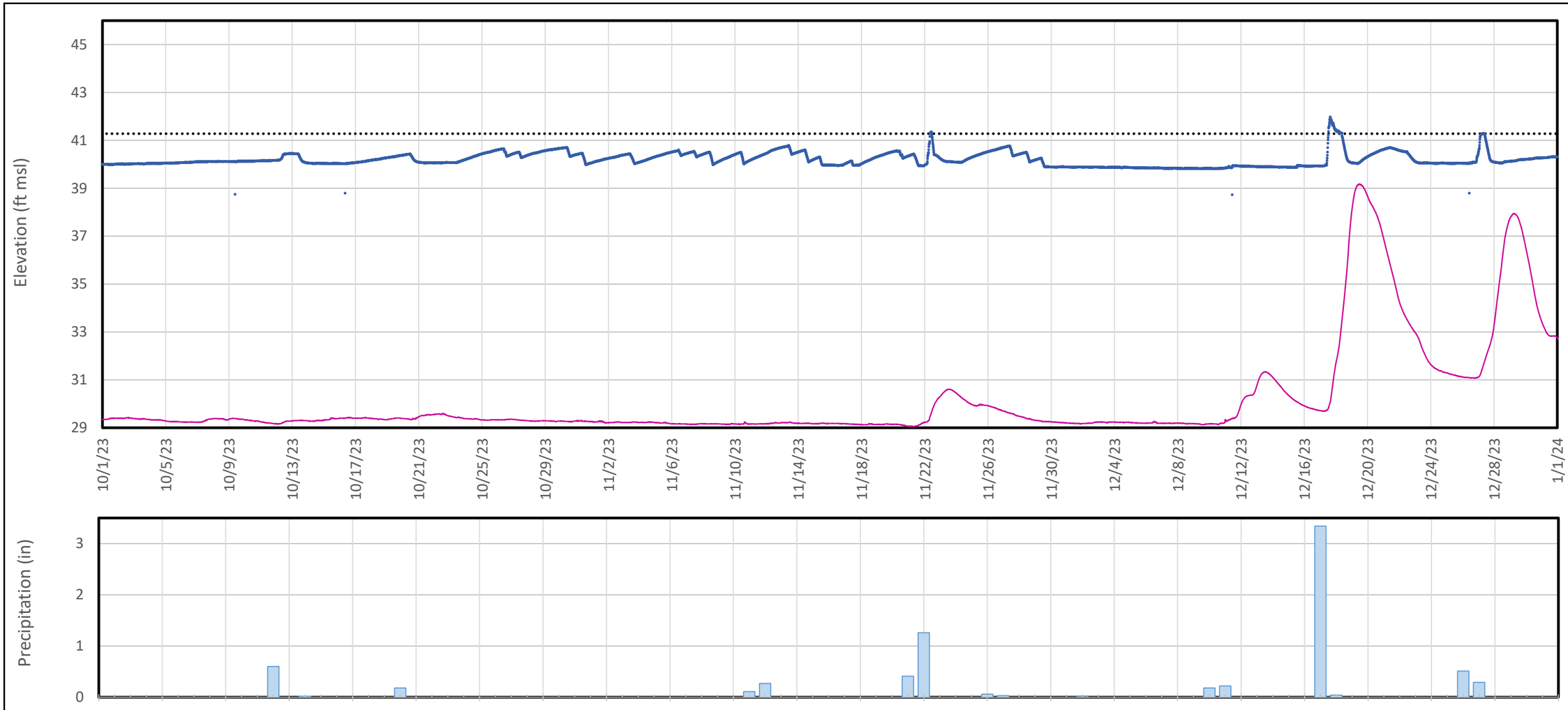
Raleigh, NC | March 2024

Figure B3-C



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Inlet Chamber Water Elevation and External Forcings - Seep C

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Fayetteville, North Carolina

Geosyntec consultants

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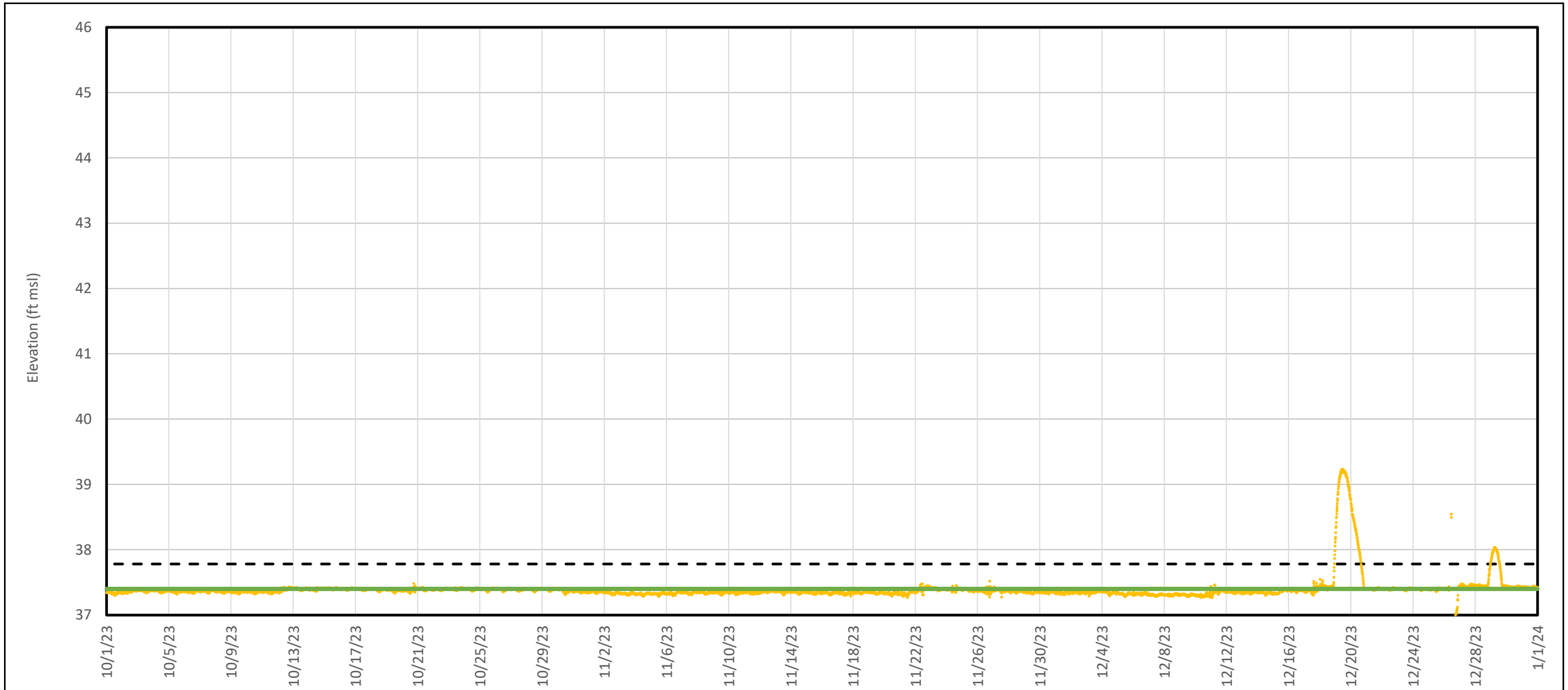
Raleigh, NC | March 2024

Figure B4-C



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation

Notes:

GAC - granular activated carbon

Figure B1-D shows the discharge basin transducer data that was collected during the reporting period.

Discharge Basin Water Elevation - Seep D

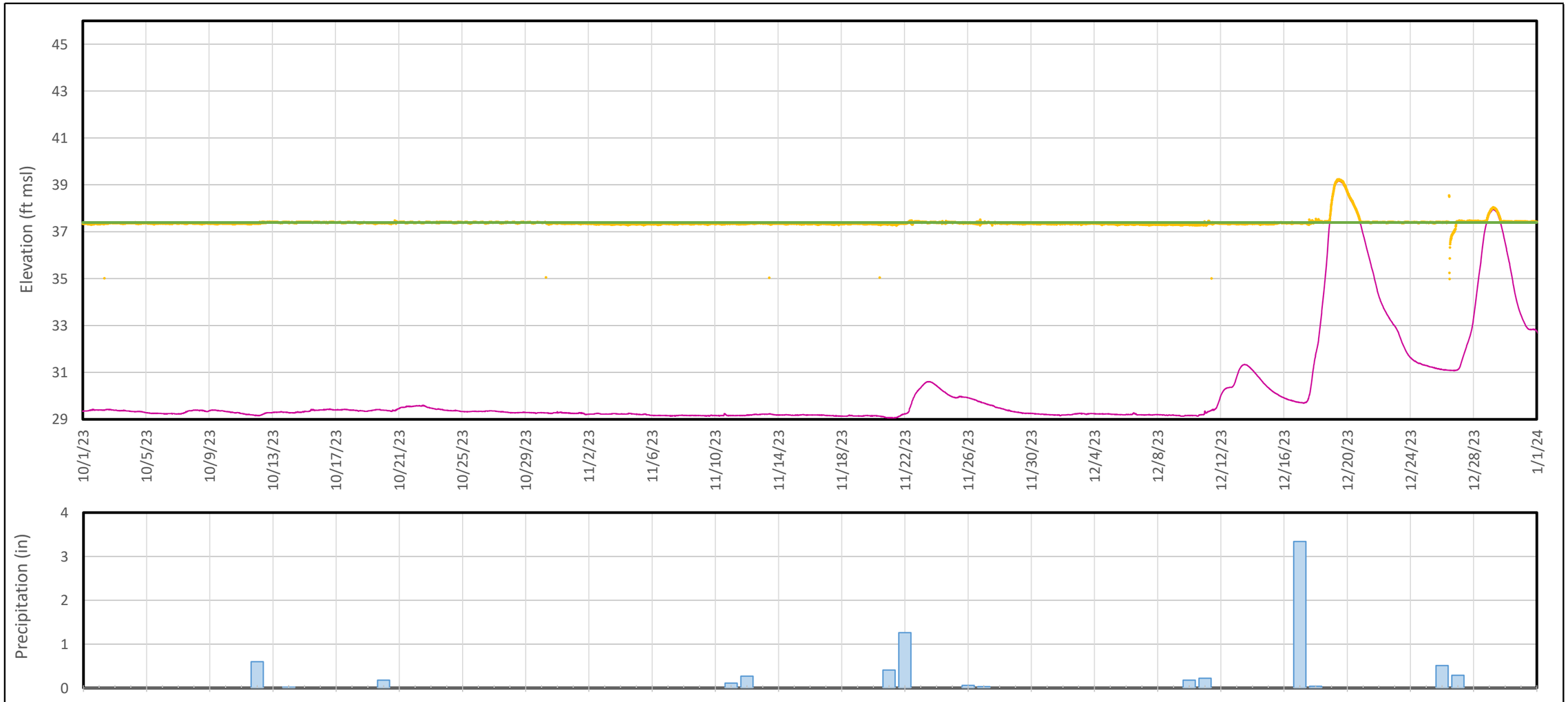
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2024

Figure B1-D



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure B2-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Discharge Basin Water Elevation and External Forcings - Seep D

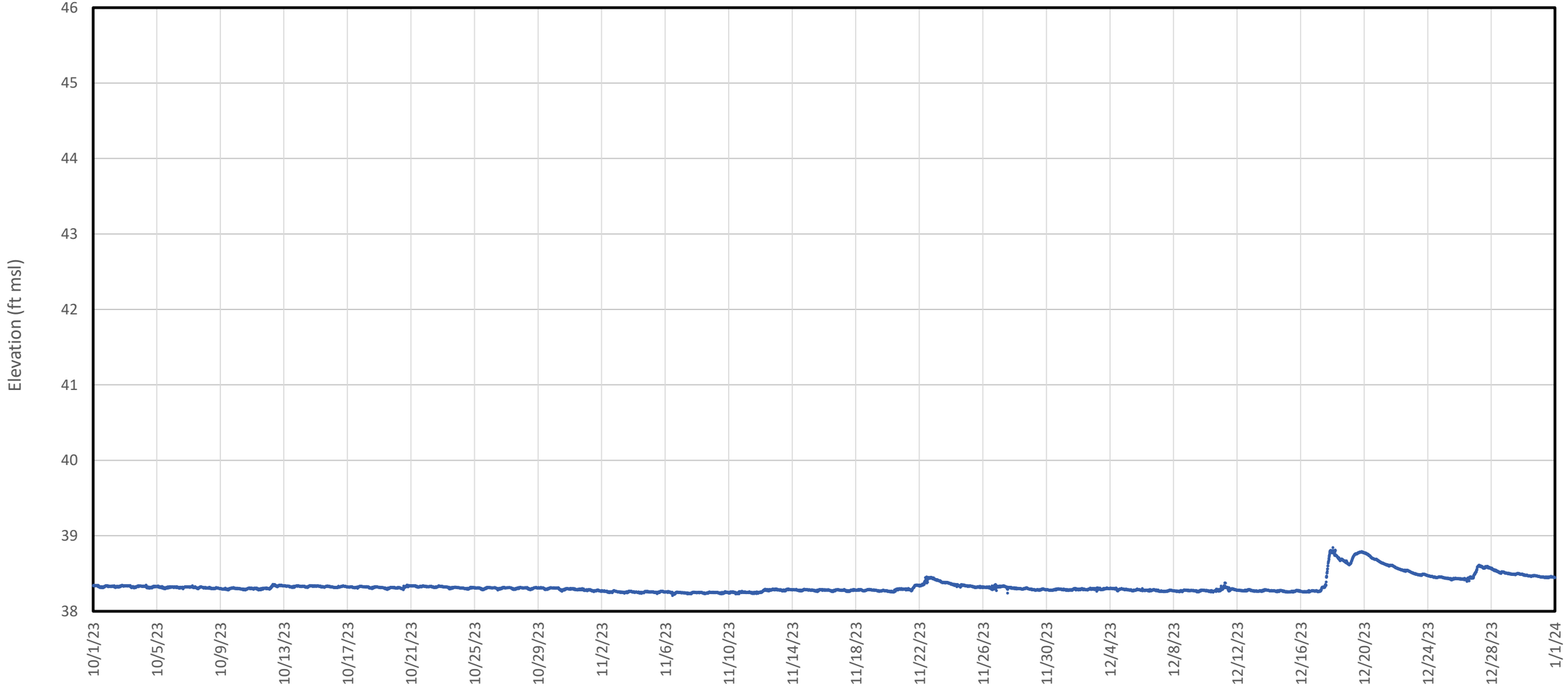
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2024

Figure B2-D



Legend

Influent Chamber/Impoundment Elevation

Notes:

Figure B3-D shows the influent transducer data that was collected during the reporting period.

Inlet Chamber Water Elevation - Seep D

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

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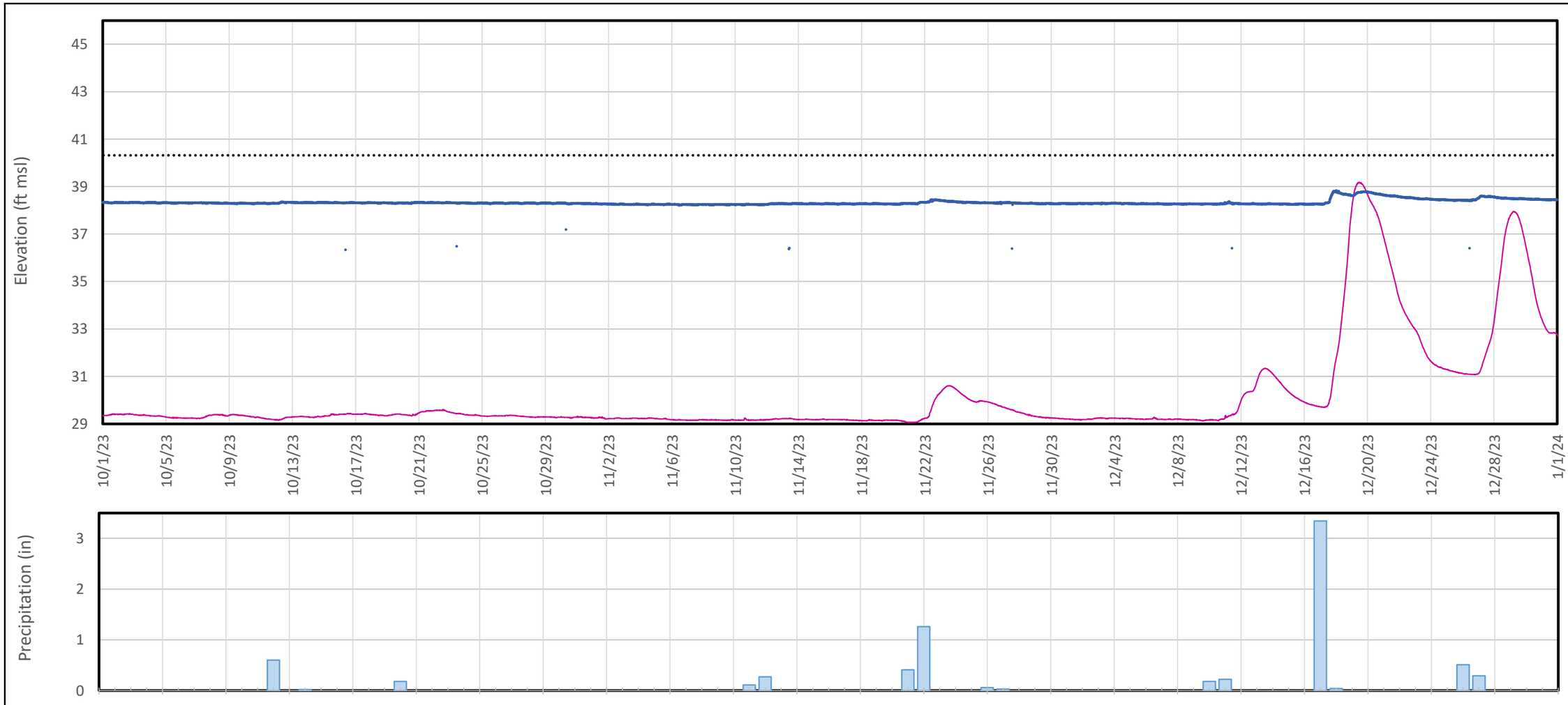
Figure B3-D



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)

Notes:

As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure B4-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Inlet Chamber Water Elevation and External Forcings - Seep D

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

Geosyntec Consultants of NC, P.C.
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Figure B4-D