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CFR Long-Term Remedy Performance Monitoring Report #8 (Q4 2024)

October – December 2024

Chemours Fayetteville Works

Prepared for

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EXECUTIVE SUMMARY

This CFR Long-Term Remedy Performance Monitoring Report #8 ("Report") has been prepared for the Q4 2024 period of October 1 through December 31, 2024, and documents the operation of the ex-situ seeps and weeps capture systems ("Ex-Situ Capture Systems"), the groundwater extraction and conveyance system (GWEC), the groundwater treatment plant (GWTP), and the interim seep Flow-Through Cells (FTCs). 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 2024)		Cumulative through December 2024*	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)	Flow Captured/ Treated (MG)	Mass Removed (lbs)
004 Treatment Plant	48.5	50.0	395.7	466.2
Ex-Situ Capture Systems	*6.7*	*Included in 004*	*43.6*	*Included in 004*
GWEC	*43.3*	*Included in 004*	*362.2*	*Included in 004*
Interim FTCs	0.4	0.1	432.4	551.7
Total (004 + Interim FTCs)**	**48.9**	**50.1**	**828.1**	**1,017.9**

**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 50.0 MG for Q4 2024. The total influent as measured by Veolia's flow meter was 50.4 MG. The total effluent as measured by Veolia's flow meter was 48.5 MG as shown.*

The GWEC system has been operating at a steady-state condition since approximately September 2023, after the extraction well (EW) startup in March 2023 resulted in initial declines in the Black Creek aquifer water levels. The average pumping rate in Q4 2024 was 328 gallons per minute (gpm). The 12-month rolling average of GWEC flow rate covering January 2024 through December 2024 is approximately 330 gpm. The Ex-Situ Capture systems flow trends are dependent on weather conditions and are therefore more variable. The 004 GWTP removed greater than 99% of PFAS[1] produced from the GWEC and Ex-Situ Capture Systems.

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

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 hydraulic gradient between the barrier wall and the Cape Fear River, thus reducing groundwater PFAS mass flux to the Cape Fear River. This reduction in PFAS mass discharge to the Cape Fear River is evident in the diminished flows into the FTCs and is also documented in a report for the mass loading assessment (MLA) program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024f).

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the Willis Creek alignment, particularly in the midsection, with nearly 8 feet of groundwater elevation reduction measured in monitoring wells. Drawdown along the alignment has also resulted in some 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 50% less than pre-startup.

Flow into the interim FTCs has decreased significantly since the completion of the barrier wall and implementation of the Ex-Situ Capture Systems and GWEC system. Between July 2021 and June 2023, the interim FTCs collectively processed 14.8 MG per month on average. In Q4 2024, the monthly average was 0.13 MG (an approximate 99% decrease). Batch mode processing has been necessary in order to maintain treatment efficiency at the reduced flow rates. During dry weather, with the FTCs offline, the impoundment elevations at the FTCs either remain stagnant or decrease, indicating that the long-term remedy components have eliminated the observable dry weather flow. As the FTCs now treat predominately rainwater mixed with stagnant residual groundwater, the concentration of PFAS in the influent has also decreased. Between July 2021 and June 2023, the average influent PFAS concentration (Total Table 3+, 17 compounds) across the four FTCs was approximately 150,300 nanograms per liter (ng/L); between October 2024 and December 2024, it was 15,500 ng/L (an approximate 90% decrease). Overall, the combination of reduced flow and concentration has resulted in a significant reduction in mass discharge into the FTCs and an asymptotic PFAS mass removal trend.

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LIST OF ACRONYMS AND ABBREVIATIONS

CAP	Corrective Action Plan
CFR	Cape Fear River
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
FB	filter bed
FTC	flow-through cells
GAC	granular activated carbon
gpm	gallons per minute
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
MLA	mass loading assessment
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
PFMOAA	perfluoro-2-methoxyacetic acid
PFPrA	perfluoropropanoic acid
PMP	Performance Monitoring Plan
PMPA	perfluoro-2-methoxypropionic acid
QA/QC	quality assurance/quality control
RPD	relative percent difference
SU	standard units
TSS	total suspended solids
USGS	United States Geological Survey
UES	Universal Engineering Services
WC	Willis Creek

1 INTRODUCTION

Geosyntec Consultants of NC, P.C. (Geosyntec) has prepared this CFR Long-Term Remedy Performance Monitoring Report #8 ("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, 2024 (Q4 2024). 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

Laboratory analytical data for the samples collected during the Q3 2024 reporting period were reviewed using the Data Verification Module (DVM) within the Locus™ Environmental Information Management (EIM) system, a commercial data management software program. Following the DVM process, a manual review of the data was conducted. The DVM and the manual review results were combined in a DVM narrative report for each set of sample results which is consistent with Stage 2b of the *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (USEPA, 2009). The DVM narrative report summarizes which samples were qualified (if any), the specific reasons for the qualification, and any potential bias in reported results. The data usability, in view of the project's data quality objectives (DQOs), was assessed, and the data were entered into the EIM system.

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

- Hold time criteria
- Field and laboratory blank contamination
- Completeness of Quality Assurance/Quality Control (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 retention time, verification that detections in field or equipment blanks have been applied to all applicable samples, and review of temperature requirements for sample preservation during storage and shipping. Based on the results of the DVM plus manual review, the following data evaluation qualifiers were applied to the analytical results as required:

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

The DVM narrative reports are provided in Appendix A. Overall, the DQOs were met for accuracy and precision. The data collected are believed to be complete, representative, and comparable, with the exception of R-PSDA, Hydrolyzed PSDA, and R-EVE; matrix interference studies have shown that quantitation of these compounds is inaccurate due to interferences by the sample matrix (Geosyntec, 2020a). Results for these three analytes are J-qualified as estimated.

During the Q4 2024 sampling events, four samples from influent and effluent locations of the 004 GWTP (listed below) were outside 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 per- and polyfluoroalkyl substances (PFAS) Program QAPP (AECOM, 2018). Due to the thermal stability of the analytes, analysis of these samples proceeded and data qualification was not deemed necessary.

- 004-INF-1024-4
- 004-EFF-1024-4
- 004-INF-1124-2
- 004-EFF-1124-2

1.2 Laboratory Analyses

Groundwater and surface water samples collected in Q4 2024 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 perfluoropropanoic acid (PFPrA), to allow for a direct comparison of results to prior years and to discuss mass removal of remedial components. 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.

[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)

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. 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.

2.1.2 Duty Cycling

Tables 2-1A-D detail the filter bed (FB) configurations for Seeps A-D over the reporting period of October 1 through December 31, 2024. 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)
A	88	4	0
B	92	0	0
C	87	0	5
D	92	0	0

2.1.3 FTC Management During River Flooding

During the reporting period, the Cape Fear River was above the action level[2] from September 28 to October 3, 2024 (from Hurricane Helene). The river rose above the top of the wall during this occurrence. Cape Fear River elevation data are described in Section 2.3.4. Cape Fear River

[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.

elevation statistics are presented in Table 2-2, and elevation changes during the reporting period are shown on Figure 2-1A-D.

2.1.4 Material Changeouts

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

Seep	Filter Bed	Granular Activated Carbon (GAC) Changeouts		
		Date	GAC Age/Lead Days	GAC Removed (lbs)
A	FB2	10/9/2024	370/322	27,000
			Total	*27,000*

2.1.5 Issue Resolution and System Optimization

None to report for this quarter.

2.2 Data Collected

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. An overview is provided in the table below. The transducer data reduction process for the current reporting period is provided in Appendix B.

Data Type	Monitoring During Q4 2024
Impoundment Elevation	Monitored every 15-minutes using pressure transducers in the influent stilling basins.
Flowrate Measurements	Monitored flow every 15-minutes using pressure transducers during passive flow operation; or measured with a flowmeter when directly pumped from the impoundment into the lead filter bed.
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 the FTCs are open to flow in batch mode. As described in previous reports, all FTC samples are designated performance monitoring samples. During this reporting period, one set of performance monitoring samples was collected from Seeps A and D, and two sets of performance monitoring samples were collected from Seep C. No performance monitoring samples were collected from Seep B during this reporting period. There were no deviations in the reporting period. 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. One set of breakthrough monitoring samples were collected from Seep C. Breakthrough monitoring samples were not collected from Seeps A, B, and D during this reporting period.

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. An overview of the results is as follows:

Reporting Period Metric	Seep A	Seep B	Seep C	Seep D	Total
Rainfall, Actual (inches)	4.14 (*October 1 – December 31, 2024)*				
Rainfall, Historical Average (inches)	10.73 *(October 1 – December 31, 2004-2020)*				
River Above Spillway (days)[1]	0	0	0	0	N/A
Seep Volume Treated (MG)[2]	0.18	0.0	0.20	0.02	0.4
PFAS Removed (lbs)[3]	0.06	0.00	0.01	0.001	0.07

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

2 – As the FTCs are primarily run in batch mode, median treatment rates in gallons per minute (gpm) are no longer relevant and only total volume treated is presented.

3 – 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

Figure 2-2A-D show the measurable flowrates through the FTC over the reporting period for Seeps A-D, respectively. As shown in Figure 2-3, total volume discharged by the FTCs has decreased dramatically. In Q4 2024, 0.4 MG was treated by the four FTCs. The reductions in flow are attributed to the barrier wall and the operation of the groundwater extraction system and Ex-Situ Capture Systems. Prior to these remedies, the average quarterly volume treated by the FTCs was 44.5 MG (an approximate >99% reduction of flow into the FTCs).

Bypass

The influent water level elevation and occurrences of bypass flow for Seeps A-D for the reporting period are shown in Figure 2-4A-D. The total rainfall received in the reporting period is shown below. Instances of bypass were associated with heavy rains and river flooding.

Period	Rainfall (inches)	Historical Rainfall (inches)	% Change Compared to Historical
October 2024	0.03	3.24	-99%
November 2024	1.48	3.59	-59%
December 2024	2.63	3.91	-33%
Q4 2024	4.14	10.73	-61%

Long-Term Remedy Impacts on Baseflow

Figure 2-4A-D depict the elevation of the influent stilling basin (via transducer) at Seeps A-D 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 observable dry weather flow.

2.3.2 Performance Monitoring Analytical Results

As described in previous reports, all FTC samples are designated performance monitoring samples. Analytical results for the composite performance monitoring samples are provided in Tables 2-4A-D and summarized below. Figure 2-5 shows the influent concentration of total Table 3+ PFAS (17 compounds) into the FTCs. 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 2024 ranged from 8,200 to 37,000 ng/L. This reduction in concentrations 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 significantly reduced flow and concentrations has resulted in an asymptotic PFAS mass removal trend as shown in Figure 2-6.

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 reporting periods.

Analytical Results – Performance Monitoring	Seep A	Seep B	Seep C	Seep D
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L) [1]	37,000	N/A	8,450	8,200
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	31	N/A	24	200
Average Removal Efficiency (%)	>99.9	N/A	99.7	97.6

1 – Performance samples were only collected when FTCs were open to flow (i.e., not in batch mode). During the reporting period, Seeps A- D were open to flow between 0 and 4 days during the reporting period.

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.

	System Effectiveness (%)			
	Seep A	**Seep B**	**Seep C**	**Seep D**
October	No Flow	No Flow	No Flow	97.3
November	No Flow	No Flow	No Flow	No Flow
December	99.9	No Flow	99.6	No Flow
Overall Average	*98.9*			

2.3.4 River Elevation and Precipitation

The Cape Fear River rose above the elevation of the top of wall at all four FTCs on September 28 due to Hurricane Helene and was still above the top of GAC elevation at all four FTCs on October 1. The Cape Fear River receded below the discharge invert at all four FTCs by October 8. The changes in elevation of the Cape Fear River during the reporting period (October 1 through December 31, 2024) are shown in Figure 2-1A-D.

Table 2-2 presents the percentage 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.

2.3.5 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 Seeps A, C, and D. On a median basis, the DO changed by 0.9 milligrams per liter (mg/L) or less. Aerobic (>2 mg/L) conditions were consistently observed during the reporting period.

- **Temperature:** At Seeps A, C, and D, the median temperature of the effluent was within 1.05°C of the median temperature of the influent during this reporting period.

- **Specific Conductance:** For Seeps A, C, and D, the difference in median specific conductance across influent and effluent locations ranged between -136.4 and -44.7 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 Seeps A, C, and D ranged from 4.98 to 8.54, and the median effluent pH ranged from 5.97 to 8.27 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, C, and D changed by 0.99, 0.3, and 0.27 SU, respectively.

- **Turbidity:** The median turbidity of the influent water at Seeps A, C, and D ranged from 14.58 to 41.17 nephelometric turbidity units (NTU). The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A, C, and D ranged from 1.27 to 18.1 NTU.

- **Total Suspended Solids (TSS):** The median influent TSS at Seeps A, C, and D ranged from <1 to 39 mg/L. Median effluent TSS at Seeps A-D was detected in minimal concentrations (between 1.7 and 11 mg/L). 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 Universal Engineering Services[3] (UES) as the operator of the Ex-Situ Capture Systems. This remedy consists of the following capture locations:

- Four seep capture locations (from south to north, Seep B, Seep A, Seep A Tributary, and Willis Creek Tributary)
    - At Seep A, Weep 7 is tied into the basin and is included in this system's capture
    - At Seep A Tributary, weeps 9, 10, and 11 are tied into the wet well and are included in this system's capture
- Five dedicated weep capture locations (from south to north, Weep 1, Weep 1a, Weep 2, Weep 3, and Weep 4)
    - Weep 1 pumps directly into the GWEC force main if possible, or if back pressure from the GWEC force main is too high, then it drains to Weep 1a. Weep 1a, along with Weep 2, are tied into the Weep 3 capture system.
    - Weep 4 capture system also includes the 004 GWTP pad.

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 UES' O&M Plan.

[3] GEOServices, LLC was acquired by UES.

3.2 Data Collected

The Ex-Situ Capture System telemetry network transmits the flow data from totalizers at Seep A, Seep A Tributary, Seep B, Willis Creek Tributary, and Weep 3 on a 15-minute frequency. Veolia records the volume conveyed from the surge pond to the 004 GWTP on a daily basis.

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 4.2 million gallons (MG) of captured water was pumped from the seep and weep capture locations to the surge pond and approximately 6.7 MG was conveyed from the surge pond to the 004 GWTP. The larger volume of water pumped from the surge pond (as compared to the capture systems) in Q4 2024 is attributed to storage volume that resulted from the preceding wet conditions of Q3 2024 which included several hurricanes. Due to drier conditions in Q4 2024, the volume of captured water in Q4 2024 was 58% lower than Q3 2024 (4.2 MG vs 10.1 MG).

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 (EW) sampling activities during the reporting period. Construction details for the EWs 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 recorded via a telemetry network. System alerts and alarms have been programmed and are generated when a GWEC component is underperforming or not functioning properly. 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 EW 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 EW during the reporting period (average monthly flow rate, and total cumulative volume by month).

4.2.2 PFAS Data

Extraction Wells have been sampled for PFAS in January-March 2023 (pre-startup), April 2023 (one month post-startup), and April 2024 (one year post-startup). The next sampling of EWs for PFAS analysis will be performed in Q2 2025 (two years post-startup).

4.3 Results

4.3.1 Groundwater Extraction

As shown in Tables 4-2 and 4-3, the GWEC system extracted approximately 43.3 MG during the reporting period, with approximately 5.4 MG from surficial aquifer wells and 37.9 MG from Black Creek aquifer wells. The 12-month rolling average of GWEC flow rate covering January 2024

through December 2024 is approximately 330 gpm. The average extraction rate during the Q4 2024 reporting period was approximately 328 gpm, which is the same as the extraction rate noted in the previous two reporting periods (Q2 and Q3 2024), and similar to the extraction rate in September 2023 (336 gpm) when this steady-state extraction flow rate was first reached. From March 2023 through August 2023, extraction rates gradually declined from a peak of 540 gpm in the initial operating period. This is attributed to the established declines seen in water levels in the Black Creek aquifer upgradient of the remedy. Section 6.2.1 describes the reduction in groundwater elevation upgradient of the barrier wall stabilized since the completion of the barrier wall and the implementation of the long-term remedy components.

As shown in Table 4-3, the flow rates in the Willis Creek (Northern Alignment) are lower than the Barrier Wall (Southern Alignment) (in December 2024, the average Willis Creek EW pumped about 3.3 gpm, whereas the average EW in the Southern Alignment pumped about 5.1 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 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[4] 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 influent volume, the 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 48.5 MG over the reporting period. The average daily flow rate for this duration was 366 gpm, which is 11% lower than the previous period (413 gpm in Q3 2024).

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

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 130,000 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 9, November 11, and December 9) 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 2024) was 50.0 pounds (lbs). Through the end of the previous period (Q3 2024), 416.2 lbs of PFAS was removed. Therefore, the amount of PFAS removed from commissioning through December 31, 2024 is 466.2 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	16.8	120,000	16.9
November	15.6	120,000	15.6
December	16.1	130,000	17.5
Q4 2024 Total	48.5	N/A	50.0

6 PERFORMANCE MONITORING EVALUATION

The effectiveness of the remedy has been evaluated 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;
- 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 84 observation wells (OWs) was performed on October 31, November 26, and December 18, 2024. The hydraulic head monitoring network is shown in Figure 6-1. Construction details for monitoring and observation wells are provided in Table 4-1. 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 are incorporated from three transducer stilling wells that were installed at Willis Creek between September 20 and October 6, 2023.

As noted in the 2022 Performance Monitoring Plan (PMP), monthly gauging was specified for the first two years of pumping from the GWEC extraction wells, after which the frequency could be reduced to quarterly after achieving steady-state hydraulic conditions. The GWEC system has been operating since March 14, 2023, and in each PMP report to date, the groundwater elevation reductions and flow directions have been consistent month to month. Therefore, beginning in Q3 2025, gauging will occur quarterly, and figures utilizing gauging data (transects, drawdown contours, and potentiometric surface maps) will be generated at the same frequency.

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 2024.

Mass loading assessment (MLA) wells are sampled quarterly. A total of 14 MLA monitoring wells are downgradient of the long-term remedy and are therefore, potentially viable data points for effectiveness monitoring (LTW-01, LTW-02, LTW-03, LTW-04, LTW-05, OW-28, OW-33, PIW-1D, PIW-1S, PIW-3D, PIW-7D, PIW-7S, PZ-22, and SMW-12). MLA wells were sampled from October 7 through 10, 2024.

OW-59 was sampled under the annual Corrective Action Plan (CAP) sampling program on November 20, 2024. 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 concentration reductions. The sampling procedures were in accordance with the Cape Fear River PFAS Mass Loading Assessment Report series (Geosyntec, 2024e). WC-1, WC-2, and WC-3 were sampled on October 24, 2024. The collected samples were sent to Eurofins TestAmerica Laboratories for analysis by Table 3+ and EPA Method 537 MOD.

Cape Fear River Surface Water

Surface water grab samples were collected on November 13, 2024 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+. From March 2020 through December 2023, sampling under this permit was performed monthly. Starting Q1 2024, samples are collected quarterly (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 Paragraphs 1(a) and 1(b) of the Addendum to Consent Order paragraph 12 (CO Addendum). Composite samples were generally collected 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+.

6.2 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) includes a discussion of both the Black Creek aquifer and the surficial aquifer.

3. 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 and 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 low-river event in October (30th percentile) and two near-average events in November (40%) and December (64th percentile).

Date	Type	Average River Level During Gauging Event (ft 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%
10/31/2024	Post-Startup (Q4 2024)	29.66	30%
11/26/2024	Post-Startup (Q4 2024)	29.90	40%
12/18/2024	Post-Startup (Q4 2024)	31.02	64%

2. *Southern Alignment (Barrier Wall) - 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, there is widespread drawdown in the Black Creek aquifer since the January 2023 baseline, and stabilized mounding of the surficial aquifer upgradient of the barrier wall.

As shown in Figure 6-2A-D, the groundwater elevation data have been used to generate 11 downgradient transect maps of the wall, with plots of the baseline data (August 17, 2022 and January 30, 2023 in greyscale[5]) compared to the October, November, and December gauging events (in green, blue, and red, respectively). Consistent with previous reports, the data for the three events demonstrate that the gradients in these downgradient sections have reduced (i.e., flattened) significantly.

Gradients in the downgradient area between the barrier wall and the river are also shown in the six transducer transects shown in Figure 6-3A-C. These transducers were originally deployed on opposite sides of the barrier wall to demonstrate the hydraulic separation achieved by the remedy; after demonstrating this on repeated events, notably during river floods, the transducers (where

[5] 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 are 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 2024 (around 41.6 ft NAVD88), indicating a significant reduction in gradient in this area.

available) have largely been deployed to the downgradient area. These transects show a similar result to the manually constructed transects using gauging data in Figure 6-2A-D, demonstrating that the gradients in these downgradient sections have reduced (i.e., flattened) significantly.

3. Northern Alignment (Willis Creek Area)

3a. Interaction between Willis Creek and EW-01 through EW-15

There were no new flood events in Q4 2024 (the effects of Hurricane Helene in late September 2024 were documented in CFR Long-Term Remedy Performance Monitoring Report #7). Therefore, figures comparing Willis Creek surface water elevation and groundwater elevation in Willis Creek EWs are not developed for this Report. Previous reports have demonstrated Black Creek aquifer connectivity with Willis Creek surface water and that rising water levels were seen together in Willis Creek and Willis Creek EWs.

3b. Hydraulic Containment of Willis Creek Black Creek Aquifer

Groundwater elevations upgradient of the Willis Creek remedy alignment have been assessed to evaluate if natural fluctuations in the Black Creek Aquifer should be considered when calculating observed drawdown in the EWs. Seven monitoring wells (BCA-01, OW-01, OW-10, PIW-2D, PW-09, SMW-03B, and SMW-10) were evaluated for this analysis. As shown in Figure 6-4, since January 2023 (the baseline event utilized in the EW drawdown analysis), Black Creek Aquifer water levels in these wells have been consistent. Therefore, no manual corrections of the EW drawdown have been performed.

Groundwater elevation differences relative to January 2023 are shown for the October, November, and December gauging events in Figure 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. Across the three gauging events, similar elevation difference and its distribution pattern was observed. Between 7 ft and 8 ft of drawdown was 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 in December 2024 from the 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 some 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 2024 in Figure 6-6A-C. The January 2023 contours are shown in each figure as magenta solid lines. In January 2023, groundwater generally flowed 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 MLA reports).

Table 6-2 provides surface water elevation at Willis Creek locations where stilling wells SW-01 through SW-05 have been installed. These SW locations are also shown with their available surface water elevation data in the potentiometric contour maps Figure 6-6A-C. The data indicate that the position of stagnation points from cumulative pumping varies across the alignment due to heterogeneity and the variable distance to the creek along the alignment. Stagnation points are essentially groundwater divides that are created downgradient of hydraulic containment remedies as a result of pumping and indicate the approximate point at which groundwater direction is induced backwards towards the remedy. In some locations, notably SW-03, the surface water elevation is higher than groundwater elevations of wells along the pumping alignment PIW-12 through PIW-14. Although the Willis Creek remedy segment was not designed to achieve losses in the Willis Creek stream, but rather to intercept incoming groundwater, this observation aligns with the significant drawdown observed in the midsection of the alignment. In other locations, the stagnation point, as expected, is between the alignment and the creek.

6.2.2 PFAS Concentrations and Mass Discharge in Groundwater and Surface Water

Downgradient Groundwater PFAS Concentrations

Results for the MLA wells sampled in Q4 2024 that are downgradient of the long-term remedy (14 total) are provided in Table 6-3 and shown in Figure 6-7A-C. Laboratory analytical reports for the downgradient groundwater samples are compiled in Appendix A. Time trends of PFAS concentrations and groundwater elevations in downgradient wells are shown in Appendix C. 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 MLA quarterly report for this same reporting period, submitted concurrently with this report (Geosyntec, 2024f).

Willis Creek Surface Water – Concentration and Mass Discharge

Results for the Willis Creek surface water PFAS samples collected in Q4 2024 are shown in Table 6-4, 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.

A mass discharge analysis is provided in Table 6-5 to evaluate mass loading into Willis Creek from sample locations WC-2 to WC-1. Overall, the post-startup values on average (0.09 – 0.12 mg/s) indicate an approximate 50% mass discharge decline post-startup. A complementary analysis evaluating the relationship between PFAS and flow rate in Willis Creek at location WC-1 is provided in Figure 6-8, with concentration plotted in the top chart and mass discharge plotted

in the bottom chart. Two data series are presented: pre-startup (19 data points from April 2020 through February 2023) and post-startup (7 data points collected thus far from May 2023 through October 2024). As shown in both plots, the post-startup concentration and mass discharge values are consistently lower than pre-startup at a wide range of flow rates. Similar to the analysis in Table 6-5, the analysis in Figure 6-8 indicates the average mass discharge post-startup at WC-1 is approximately 50% less than the average mass discharge pre-startup.

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 Figure 6-10. The transects for November 2024 were collected during periods of relatively low river flow with flows ranging between 1,270 to 1,290 cubic feet per second (cfs). HFPO-DA was observed in two sampling locations of Transect 2 and three sampling locations each of Transect 3 and Transect 4. PFMOAA was observed in three sampling locations each of Transect 2, Transect 3, and Transect 4. PMPA indicator compound was not observed in any transect sampling locations. As described previously, inflows (e.g. offsite groundwater, Willis Creek, Lock and Dam seeps, the downstream offsite seeps) 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 the groundwater extraction and barrier wall remedies were installed and operating.

7 SUMMARY

This reporting period (October 1 to December 31, 2024) 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 element.

Remedy Element	Report Period (Oct – Dec 2024)		Cumulative through December 2024*	
	Flow Captured/ Treated (MG)	Mass Removed (lbs)	Flow Captured/ Treated (MG)	Mass Removed (lbs)
004 Treatment Plant	48.5	50.0	395.7	466.2
Ex-Situ Capture Systems	*6.7*	*Included in 004*	*43.6*	*Included in 004*
GWEC	*43.3*	*Included in 004*	*362.2*	*Included in 004*
Interim FTCs	0.4	0.1	432.4	551.7
Total (004 + Interim FTCs)**	**48.9**	**50.1**	**828.1**	**1,017.9**

**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 50.0 MG for Q4 2024. The total influent as measured by Veolia's flow meter was 50.4 MG. The total effluent as measured by Veolia's flow meter was 48.5 MG as shown.*

The GWEC system has been operating at a steady-state cumulative extraction rate since approximately September 2023, after the EW startup in March 2023 resulted in initial declines in the Black Creek aquifer water levels. The average pumping rate in Q4 2024 was 328 gpm. The 12-month rolling average of GWEC flow rate covering January 2024 through December 2024 is approximately 330 gpm. The Ex-Situ Capture systems flow trends are dependent on weather conditions and are therefore more variable. The 004 GWTP removed greater than 99% of PFAS[6] from the combined flow of the GWEC and Ex-Situ Capture Systems.

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 hydraulic

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

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 to the Cape Fear River is evident in the diminished flows into the FTCs and is also documented in a report for the MLA program, submitted for the same reporting period concurrent to this Report (Geosyntec, 2024f).

Collectively, the Willis Creek EWs are exerting drawdown of the Black Creek aquifer along the length of the alignment, particularly in the midsection, with nearly 8 feet of groundwater elevation reduction measured in monitoring wells. Drawdown along the alignment has also resulted in some 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 50% less than pre-startup.

Flow into the interim FTCs has decreased significantly since the completion of the barrier wall and implementation of the Ex-Situ Capture Systems and GWEC system. Between July 2021 and June 2023, the interim FTCs collectively processed 14.8 MG per month on average. In Q4 2024, the monthly average was 0.13 MG (an approximate 99% decrease). Batch mode processing has been necessary in order to maintain treatment efficiency at the reduced flow rates. During dry weather, with the FTCs offline, the impoundment elevations at the FTCs either remain stagnant or decrease, indicating that the long-term remedy components have eliminated the observable dry weather flow. As the FTCs now treat predominately rainwater mixed with stagnant residual groundwater, the concentration of PFAS in the influent has also decreased. Between July 2021 and June 2023, the average influent PFAS concentration (Total Table 3+, 17 compounds) across the four FTCs was approximately 150,300 ng/L; between October 2024 and December 2024, it was 15,500 ng/L (an approximate 90% decrease). Overall, the combination of reduced flow and concentration has resulted in a significant reduction in mass discharge into the FTCs and an asymptotic PFAS mass removal trend.

8 REFERENCES

AECOM, 2018. Poly and Perfluoroalkyl Substance Quality Assurance Project Plan For the Chemours Corporate Remediation Group. August 2018.

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

Geosyntec, 2020b. Interim Seep Remediation System Plan. Chemours Fayetteville Works. August 31, 2020.

Geosyntec, 2021. Pre-Design Investigation Summary (Version 2). Chemours Fayetteville Works. June 29, 2021.

Geosyntec, 2022. Groundwater and Seeps Remedy 90% Design Submittal. Chemours Fayetteville Works. March 25, 2022.

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

Geosyntec, 2023b. CFR Long-Term Remedy Performance Monitoring Report #1 (previously titled as Groundwater and Seeps Remediation Report #1). Chemours Fayetteville Works. June 29, 2023.

Geosyntec, 2023c. CFR Long-Term Remedy Performance Monitoring Report #2. Chemours Fayetteville Works. September 29, 2023.

Geosyntec, 2023d. Lock and Dam Seep Workplan. Chemours Fayetteville Works. November 2, 2023.

Geosyntec, 2023e. CFR Long-Term Remedy Performance Monitoring Report #3. Chemours Fayetteville Works. December 22, 2023.

Geosyntec, 2024a. CFR Long-Term Remedy Performance Monitoring Report #4. Chemours Fayetteville Works. March 28, 2024.

Geosyntec, 2024b. CFR Long-Term Remedy Performance Monitoring Report #5. Chemours Fayetteville Works. June 27, 2024.

Geosyntec, 2024c. CFR Long-Term Remedy Performance Monitoring Report #6. Chemours Fayetteville Works. September 30, 2024.

Geosyntec, 2024d. CFR Long-Term Remedy Performance Monitoring Report #7. Chemours Fayetteville Works. December 20, 2024.

Geosyntec, 2024e. Cape Fear River PFAS Mass Loading Assessment – Third Quarter 2024 Report. Chemours Fayetteville Works. December 20, 2024.

Geosyntec, 2024f. Cape Fear River PFAS Mass Loading Assessment – Fourth Quarter 2024 Report. Chemours Fayetteville Works. March 27, 2025.

USEPA, 2009. USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. USEPA-540-R-08-005. OSWER 9200.1-85. Office of Solid Waste and Emergency Response, United States Environmental Protection Agency. January 13, 2009.

Tables

Table 1-1
Summary of Sampling and Monitoring Activities
Quarterly Report #8 (Oct - Dec 2024)
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.
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 31, November 26, and December 18, 2024) ▪ Quarterly surface water PFAS sampling at four transects of the Cape Fear River (November 13, 2024) ▪ Quarterly PFAS sampling of Willis Creek (WC) stations WC-1, 2, 3 (October 24, 2024) ▪ PFAS sampling of downgradient monitoring wells under the MLA quarterly sampling program (October 7-10, 2024)

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
PMP - Performance Monitoring Plan
eDMR - electronic Discharge Monitoring Report
HFPO-DA - hexafluoropropylene oxide-dimer acid
PMPA - perfluoro-2-methoxypropionic acid
NPDES - National Pollutant Discharge Elimination System
MLA - Mass Loading Assessment

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
10/01/2024	1,253	Yes				Batch Mode		Batch Mode			N/A
10/02/2024	1,254	Yes				Batch Mode		Lead	Closed		Opened inlet and mid valves. Skimmed and fluffed FB1.
10/03/2024	1,255	No				Lead	Closed	Batch Mode			Closed inlet and mid valves.
10/04/2024	1,256	No				Batch Mode		Batch Mode			N/A
10/07/2024	1,259	No				Batch Mode		Batch Mode		X	N/A
10/08/2024	1,260	No				Batch Mode		Batch Mode			N/A
10/09/2024	1,261	No				Batch Mode	Changeout	Batch Mode			GAC changeout at FB2.
10/10/2024	1,262	No				Batch Mode		Batch Mode			N/A
10/11/2024	1,263	No				Batch Mode		Batch Mode			N/A
10/14/2024	1,266	No				Batch Mode		Batch Mode		X	N/A
10/15/2024	1,267	No				Batch Mode		Batch Mode			N/A
10/16/2024	1,268	No				Batch Mode		Batch Mode			N/A
10/17/2024	1,269	No				Batch Mode		Batch Mode			N/A
10/18/2024	1,270	No				Batch Mode		Batch Mode			N/A
10/21/2024	1,273	No				Batch Mode		Batch Mode		X	N/A
10/23/2024	1,275	No				Batch Mode		Batch Mode			N/A
10/24/2024	1,276	No				Batch Mode		Batch Mode			N/A
10/25/2024	1,277	No				Batch Mode		Batch Mode			N/A
10/28/2024	1,280	No				Batch Mode		Batch Mode		X	N/A
10/29/2024	1,281	No				Batch Mode		Batch Mode			N/A
10/30/2024	1,282	No				Batch Mode		Batch Mode			N/A
10/31/2024	1,283	No				Batch Mode		Batch Mode			N/A
11/01/2024	1,284	No				Batch Mode		Batch Mode			N/A
11/04/2024	1,287	No				Batch Mode		Batch Mode		X	N/A
11/05/2024	1,288	No				Batch Mode		Batch Mode			N/A
11/06/2024	1,289	No				Batch Mode		Batch Mode			N/A
11/07/2024	1,290	No				Batch Mode		Batch Mode			N/A
11/08/2024	1,291	No				Batch Mode		Batch Mode			N/A
11/11/2024	1,294	No				Batch Mode		Batch Mode		X	N/A
11/12/2024	1,295	No				Batch Mode		Batch Mode			N/A
11/13/2024	1,296	No				Batch Mode		Batch Mode			N/A
11/14/2024	1,297	No				Batch Mode		Batch Mode			N/A
11/15/2024	1,298	No				Batch Mode		Batch Mode			N/A
11/18/2024	1,301	No				Batch Mode		Batch Mode		X	N/A
11/19/2024	1,302	No				Batch Mode		Batch Mode			N/A
11/20/2024	1,303	No				Batch Mode		Batch Mode			N/A
11/21/2024	1,304	No				Batch Mode		Batch Mode			N/A
11/22/2024	1,305	No				Batch Mode		Batch Mode			N/A
11/25/2024	1,308	No				Batch Mode		Batch Mode		X	N/A
11/26/2024	1,309	No				Batch Mode		Batch Mode			N/A
11/27/2024	1,310	No				Batch Mode		Batch Mode			N/A
11/28/2024	1,311	No				Batch Mode		Batch Mode			N/A

Table 2-1A
FTC Operations and Maintenance Summary - Seep A
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
						Arrival		Departure			
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	FB1	FB2	FB1	FB2		
12/02/2024	1,315	No				Batch Mode		Batch Mode		X	N/A
12/03/2024	1,316	No				Batch Mode		Batch Mode			N/A
12/04/2024	1,317	No				Batch Mode		Batch Mode			N/A
12/05/2024	1,318	No				Batch Mode		Batch Mode			N/A
12/06/2024	1,319	No				Batch Mode		Batch Mode			N/A
12/09/2024	1,322	No				Batch Mode		Batch Mode		X	N/A
12/10/2024	1,323	No				Batch Mode		Batch Mode			N/A
12/11/2024	1,324	No				Batch Mode		Batch Mode			N/A
12/12/2024	1,325	No				Batch Mode		Batch Mode			N/A
12/13/2024	1,326	No				Batch Mode		Batch Mode			N/A
12/16/2024	1,329	No				Batch Mode		Batch Mode		X	N/A
12/17/2024	1,330	No				Batch Mode		Batch Mode			Skimmed and fluffed FB1.
12/18/2024	1,331	No				Batch Mode		Batch Mode			N/A
12/19/2024	1,332	No				Batch Mode		Batch Mode			N/A
12/20/2024	1,333	No				Batch Mode		Batch Mode			N/A
12/23/2024	1,336	No				Batch Mode		Batch Mode			N/A
12/24/2024	1,337	No				Batch Mode		Batch Mode			N/A
12/26/2024	1,339	No				Batch Mode		Batch Mode		X	N/A
12/27/2024	1,340	No				Batch Mode		Series			Opened inlet and mid valves.
12/28/2024	1,341	No		X		Series		Series			N/A
12/30/2024	1,343	No				Series		Batch Mode		X	Closed inlet and mid valves.
12/31/2024	1,344	No				Batch Mode		Batch Mode			N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and influent transducer data at FTCs A-D.
FTC - Flow-Through Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
10/01/2024	1,212	No				Batch Mode		Batch Mode			N/A
10/02/2024	1,213	No				Batch Mode		Batch Mode			N/A
10/03/2024	1,214	No				Batch Mode		Batch Mode			N/A
10/04/2024	1,215	No				Batch Mode		Batch Mode			N/A
10/07/2024	1,218	No				Batch Mode		Batch Mode		X	N/A
10/08/2024	1,219	No				Batch Mode		Batch Mode			N/A
10/09/2024	1,220	No				Batch Mode		Batch Mode			N/A
10/10/2024	1,221	No				Batch Mode		Batch Mode			N/A
10/11/2024	1,222	No				Batch Mode		Batch Mode			N/A
10/14/2024	1,225	No				Batch Mode		Batch Mode		X	N/A
10/15/2024	1,226	No				Batch Mode		Batch Mode			N/A
10/16/2024	1,227	No				Batch Mode		Batch Mode			N/A
10/17/2024	1,228	No				Batch Mode		Batch Mode			N/A
10/18/2024	1,229	No				Batch Mode		Batch Mode			N/A
10/21/2024	1,232	No				Batch Mode		Batch Mode		X	N/A
10/23/2024	1,234	No				Batch Mode		Batch Mode			N/A
10/24/2024	1,235	No				Batch Mode		Batch Mode			N/A
10/25/2024	1,236	No				Batch Mode		Batch Mode			N/A
10/28/2024	1,239	No				Batch Mode		Batch Mode		X	N/A
10/29/2024	1,240	No				Batch Mode		Batch Mode			N/A
10/30/2024	1,241	No				Batch Mode		Batch Mode			N/A
10/31/2024	1,242	No				Batch Mode		Batch Mode			N/A
11/01/2024	1,243	No				Batch Mode		Batch Mode			N/A
11/04/2024	1,246	No				Batch Mode		Batch Mode		X	N/A
11/05/2024	1,247	No				Batch Mode		Batch Mode			N/A
11/06/2024	1,248	No				Batch Mode		Batch Mode			N/A
11/07/2024	1,249	No				Batch Mode		Batch Mode			N/A
11/08/2024	1,250	No				Batch Mode		Batch Mode			N/A
11/11/2024	1,253	No				Batch Mode		Batch Mode		X	N/A
11/12/2024	1,254	No				Batch Mode		Batch Mode			N/A
11/13/2024	1,255	No				Batch Mode		Batch Mode			N/A
11/14/2024	1,256	No				Batch Mode		Batch Mode			N/A
11/15/2024	1,257	No				Batch Mode		Batch Mode			N/A
11/18/2024	1,260	No				Batch Mode		Batch Mode		X	N/A
11/19/2024	1,261	No				Batch Mode		Batch Mode			N/A
11/20/2024	1,262	No				Batch Mode		Batch Mode			N/A
11/21/2024	1,263	No				Batch Mode		Batch Mode			N/A
11/22/2024	1,264	No				Batch Mode		Batch Mode			N/A
11/25/2024	1,267	No				Batch Mode		Batch Mode		X	N/A
11/26/2024	1,268	No				Batch Mode		Batch Mode			N/A
11/27/2024	1,269	No				Batch Mode		Batch Mode			N/A

Table 2-1B
FTC Operations and Maintenance Summary - Seep B
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
12/02/2024	1,274	No				Batch Mode		Batch Mode		X	N/A
12/03/2024	1,275	No				Batch Mode		Batch Mode			N/A
12/04/2024	1,276	No				Batch Mode		Batch Mode			N/A
12/05/2024	1,277	No				Batch Mode		Batch Mode			N/A
12/06/2024	1,278	No				Batch Mode		Batch Mode			N/A
12/09/2024	1,281	No				Batch Mode		Batch Mode		X	N/A
12/10/2024	1,282	No				Batch Mode		Batch Mode			N/A
12/11/2024	1,283	No				Batch Mode		Batch Mode			N/A
03/01/2025	1,363	No				Batch Mode		Batch Mode			N/A
12/13/2024	1,285	No				Batch Mode		Batch Mode			N/A
12/16/2024	1,288	No				Batch Mode		Batch Mode		X	N/A
12/17/2024	1,289	No				Batch Mode		Batch Mode			N/A
12/18/2024	1,290	No				Batch Mode		Batch Mode			N/A
12/19/2024	1,291	No				Batch Mode		Batch Mode			N/A
12/20/2024	1,292	No				Batch Mode		Batch Mode			N/A
12/21/2024	1,293	No				Batch Mode		Batch Mode			N/A
12/22/2024	1,294	No				Batch Mode		Batch Mode			N/A
12/23/2024	1,295	No				Batch Mode		Batch Mode			N/A
12/24/2024	1,296	No				Batch Mode		Batch Mode			N/A
12/26/2024	1,298	No				Batch Mode		Batch Mode		X	N/A
12/27/2024	1,299	No				Batch Mode		Batch Mode			N/A
12/30/2024	1,302	No				Batch Mode		Batch Mode		X	N/A
12/31/2024	1,303	No				Batch Mode		Batch Mode			N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and influent transducer data at FTCs A-D.
FTC - Flow-Through Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
10/01/2024	1,386	Yes				Batch Mode		Series			Skimmed and fluffed FB1 and FB2. Opened inlet and mid valves.
10/02/2024	1,387	Yes				Series		Batch Mode			Closed inlet and mid valves at end of day.
10/03/2024	1,388	No				Batch Mode		Batch Mode			N/A
10/04/2024	1,389	No				Batch Mode		Batch Mode			N/A
10/07/2024	1,392	No				Batch Mode		Batch Mode		X	N/A
10/08/2024	1,393	No				Batch Mode		Batch Mode			N/A
10/09/2024	1,394	No				Batch Mode		Batch Mode			N/A
10/10/2024	1,395	No				Batch Mode		Batch Mode			N/A
10/11/2024	1,396	No				Batch Mode		Batch Mode			N/A
10/14/2024	1,399	No				Batch Mode		Batch Mode		X	N/A
10/15/2024	1,400	No				Batch Mode		Batch Mode			N/A
10/16/2024	1,401	No				Batch Mode		Batch Mode			N/A
10/17/2024	1,402	No				Batch Mode		Batch Mode			N/A
10/18/2024	1,403	No				Batch Mode		Batch Mode			N/A
10/21/2024	1,406	No				Batch Mode		Batch Mode		X	N/A
10/23/2024	1,408	No				Batch Mode		Batch Mode			N/A
10/24/2024	1,409	No				Batch Mode		Batch Mode			N/A
10/25/2024	1,410	No				Batch Mode		Batch Mode			N/A
10/28/2024	1,413	No				Batch Mode		Batch Mode		X	N/A
10/29/2024	1,414	No				Batch Mode		Batch Mode			N/A
10/30/2024	1,415	No				Batch Mode		Batch Mode			N/A
10/31/2024	1,416	No				Batch Mode		Batch Mode			N/A
11/01/2024	1,417	No				Batch Mode		Batch Mode			N/A
11/04/2024	1,420	No				Batch Mode		Batch Mode		X	N/A
11/05/2024	1,421	No				Batch Mode		Batch Mode			N/A
11/06/2024	1,422	No				Batch Mode		Batch Mode			N/A
11/07/2024	1,423	No				Batch Mode		Batch Mode			N/A
11/08/2024	1,424	No				Batch Mode		Batch Mode			N/A
11/11/2024	1,427	No				Batch Mode		Batch Mode		X	N/A
11/12/2024	1,428	No				Batch Mode		Batch Mode			N/A
11/13/2024	1,429	No				Batch Mode		Batch Mode			N/A
11/14/2024	1,430	No				Batch Mode		Batch Mode			N/A
11/15/2024	1,431	No				Batch Mode		Batch Mode			N/A
11/18/2024	1,434	No				Batch Mode		Batch Mode		X	N/A
11/19/2024	1,435	No				Batch Mode		Batch Mode			N/A
11/20/2024	1,436	No				Batch Mode		Batch Mode			N/A
11/21/2024	1,437	No				Batch Mode		Batch Mode			N/A
11/22/2024	1,438	No				Batch Mode		Batch Mode			N/A
11/25/2024	1,441	No				Batch Mode		Batch Mode		X	N/A
11/26/2024	1,442	No				Batch Mode		Batch Mode			N/A
11/27/2024	1,443	No				Batch Mode		Batch Mode			N/A

Table 2-1C
FTC Operations and Maintenance Summary - Seep C
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
12/02/2024	1,448	No				Batch Mode		Batch Mode		X	N/A
12/03/2024	1,449	No				Batch Mode		Batch Mode			N/A
12/04/2024	1,450	No				Batch Mode		Batch Mode			N/A
12/05/2024	1,451	No				Batch Mode		Batch Mode			N/A
12/06/2024	1,452	No				Batch Mode		Batch Mode			N/A
12/09/2024	1,455	No				Batch Mode		Batch Mode		X	N/A
12/10/2024	1,456	No				Batch Mode		Batch Mode			N/A
12/11/2024	1,457	No				Batch Mode		Series			Opened inlet and mid valves.
12/12/2024	1,458	No	X	X		Series		Batch Mode			Closed inlet and mid valves.
12/13/2024	1,459	No				Batch Mode		Batch Mode			N/A
12/16/2024	1,462	No				Batch Mode		Batch Mode		X	N/A
12/17/2024	1,463	No				Batch Mode		Batch Mode			Skimmed and fluffed FB2.
12/18/2024	1,464	No				Batch Mode		Batch Mode			N/A
12/19/2024	1,465	No				Batch Mode		Batch Mode			N/A
12/20/2024	1,466	No				Batch Mode		Batch Mode			N/A
12/23/2024	1,469	No				Batch Mode		Batch Mode			N/A
12/24/2024	1,470	No				Batch Mode		Batch Mode			N/A
12/26/2024	1,472	No				Batch Mode		Batch Mode		X	N/A
12/27/2024	1,473	No				Batch Mode		Series			Opened inlet and mid valves.
12/28/2024	1,474	No		X		Series		Series			N/A
12/30/2024	1,476	No				Series		Batch Mode		X	Closed inlet and mid valves.
12/31/2024	1,477	No				Batch Mode		Batch Mode			N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and influent transducer data at FTCs A-D.
FTC - Flow-Through Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
10/01/2024	1,196	No				Batch Mode		Batch Mode			N/A
10/02/2024	1,197	No				Batch Mode		Batch Mode			N/A
10/03/2024	1,198	No				Batch Mode		Batch Mode			N/A
10/04/2024	1,199	No				Batch Mode		Batch Mode			N/A
10/07/2024	1,202	No				Batch Mode		Batch Mode		X	Skimmed and fluffed FB1 and FB2.
10/08/2024	1,203	No		X		Batch Mode		Batch Mode			Pumped water into cell.
10/09/2024	1,204	No				Batch Mode		Batch Mode			N/A
10/10/2024	1,205	No				Batch Mode		Batch Mode			N/A
10/11/2024	1,206	No				Batch Mode		Batch Mode			N/A
10/14/2024	1,209	No				Batch Mode		Batch Mode		X	N/A
10/15/2024	1,210	No				Batch Mode		Batch Mode			N/A
10/16/2024	1,211	No				Batch Mode		Batch Mode			N/A
10/17/2024	1,212	No				Batch Mode		Batch Mode			N/A
10/18/2024	1,213	No				Batch Mode		Batch Mode			N/A
10/21/2024	1,216	No				Batch Mode		Batch Mode		X	N/A
10/23/2024	1,218	No				Batch Mode		Batch Mode			N/A
10/24/2024	1,219	No				Batch Mode		Batch Mode			N/A
10/25/2024	1,220	No				Batch Mode		Batch Mode			N/A
10/28/2024	1,223	No				Batch Mode		Batch Mode		X	N/A
10/29/2024	1,224	No				Batch Mode		Batch Mode			N/A
10/30/2024	1,225	No				Batch Mode		Batch Mode			N/A
10/31/2024	1,226	No				Batch Mode		Batch Mode			N/A
11/01/2024	1,227	No				Batch Mode		Batch Mode			N/A
11/04/2024	1,230	No				Batch Mode		Batch Mode		X	N/A
11/05/2024	1,231	No				Batch Mode		Batch Mode			N/A
11/06/2024	1,232	No				Batch Mode		Batch Mode			N/A
11/07/2024	1,233	No				Batch Mode		Batch Mode			N/A
11/08/2024	1,234	No				Batch Mode		Batch Mode			N/A
11/11/2024	1,237	No				Batch Mode		Batch Mode		X	N/A
11/12/2024	1,238	No				Batch Mode		Batch Mode			N/A
11/13/2024	1,239	No				Batch Mode		Batch Mode			N/A
11/14/2024	1,240	No				Batch Mode		Batch Mode			N/A
11/15/2024	1,241	No				Batch Mode		Batch Mode			N/A
11/18/2024	1,244	No				Batch Mode		Batch Mode		X	N/A
11/19/2024	1,245	No				Batch Mode		Batch Mode			N/A
11/20/2024	1,246	No				Batch Mode		Batch Mode			N/A
11/21/2024	1,247	No				Batch Mode		Batch Mode			N/A
11/22/2024	1,248	No				Batch Mode		Batch Mode			N/A
11/25/2024	1,251	No				Batch Mode		Batch Mode		X	N/A
11/26/2024	1,252	No				Batch Mode		Batch Mode			N/A
11/27/2024	1,253	No				Batch Mode		Batch Mode			N/A

Table 2-1D
FTC Operations and Maintenance Summary - Seep D
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure			
						FB1	FB2	FB1	FB2		
12/02/2024	1,258	No				Batch Mode		Batch Mode		X	N/A
12/03/2024	1,259	No				Batch Mode		Batch Mode			N/A
12/04/2024	1,260	No				Batch Mode		Batch Mode			N/A
12/05/2024	1,261	No				Batch Mode		Batch Mode			N/A
12/06/2024	1,262	No				Batch Mode		Batch Mode			N/A
12/09/2024	1,265	No				Batch Mode		Batch Mode		X	N/A
12/10/2024	1,266	No				Batch Mode		Batch Mode			N/A
12/11/2024	1,267	No				Batch Mode		Batch Mode			N/A
12/12/2024	1,268	No				Batch Mode		Batch Mode			N/A
12/13/2024	1,269	No				Batch Mode		Batch Mode			N/A
12/16/2024	1,272	No				Batch Mode		Batch Mode		X	N/A
12/17/2024	1,273	No				Batch Mode		Batch Mode			N/A
12/18/2024	1,274	No				Batch Mode		Batch Mode			N/A
12/19/2024	1,275	No				Batch Mode		Batch Mode			N/A
12/20/2024	1,276	No				Batch Mode		Batch Mode			N/A
12/23/2024	1,279	No				Batch Mode		Batch Mode			N/A
12/24/2024	1,280	No				Batch Mode		Batch Mode			N/A
12/26/2024	1,282	No				Batch Mode		Batch Mode		X	N/A
12/27/2024	1,283	No				Batch Mode		Batch Mode			N/A
12/30/2024	1,286	No				Batch Mode		Batch Mode		X	N/A
12/31/2024	1,287	No				Batch Mode		Batch Mode			N/A

Notes:
1 - Batch Mode indicates the inlet and transfer basin valves were closed and the FTC experienced no flow. Series indicates the inlet and transfer basin valves were open and the FTC experienced flow through the filter beds sequentially.
2 - The "Notes" column that previously documented instances of flow and amount of freeboard observed has been replaced by Figures 2-2A-D and Figures 2-4A-D, showing discharge flow rates and influent transducer data at FTCs A-D.
FTC - Flow-Through Cell
FB1 - Filter Bed 1
FB2 - Filter Bed 2
N/A - Not Applicable

Table 2-2
Cape Fear River Elevation and Local Precipitation Statistics
Quarterly Report #8 (Oct-Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

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	1,477	1.9%	2.5%	4.1%	10.2%
A	1,344	1.5%	1.7%	3.0%	8.2%
B	1,303	1.2%	1.6%	2.4%	6.0%
D	1,287	1.6%	1.8%	3.2%	8.7%
Historical Annual Average (2007-2020) [3,4]		1.7%	2.2%	3.7%	9.6%

Precipitation (inches)	
Current Reporting Period (October-December 2024)	4.14
Current Reporting Period Historical Average (October-December 2004-2020) [5]	10.73
2024 Year-to-Date	48.47
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 #8 (Oct-Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-24-122824 SEEP-A-EFFLUENT-24-122824	December 28, 2024	December 28, 2024

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 part of October, November, and December 2024. Performance samples were not collected while the FTC was closed.

Table 2-3B
FTC Sampling Summary - Seep B
Quarterly Report #8 (Oct-Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
N/A[1]	N/A[1]	N/A[1]

Notes:

1 - The FTC was operating under batch mode for the entirety of October, November, and December 2024. Performance samples were not collected while the FTC was closed.

Table 2-3C
FTC Sampling Summary - Seep C
Quarterly Report #8 (Oct-Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-24-121224 SEEP-C-EFFLUENT-24-121224	December 11-12, 2024	December 12, 2024
SEEP-C-INFLUENT-24-122824 SEEP-C-EFFLUENT-24-122824	December 28, 2024	December 28, 2024

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 part of October, November, and December 2024. Performance samples were not collected while the FTC was closed.

Table 2-3D
FTC Sampling Summary - Seep D
Quarterly Report #8 (Oct-Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-6-100824 SEEP-D-EFFLUENT-6-100824	October 8, 2024	October 8, 2024

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 part of October, November, and December 2024. Performance samples were not collected while the FTC was closed.

Table 2-4A
FTC Performance Monitoring Analytical Results - Seep A
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-A-INFLUENT-24-122824** Sample Date: 28-Dec-24	**SEEP-A-EFFLUENT-24-122824** Sample Date: 28-Dec-24	**Percent Removal**
Hfpo Dimer Acid	**5,500**	<2.0	>99.9%
PFMOAA	**13,000**	**28**	99.8%
PFO2HxA	**7,800**	**3.3**	>99.9%
PFO3OA	**2,100**	<2.0	>99.9%
PFO4DA	**990**	<2.0	>99.9%
PFO5DA	**470**	<2.0	>99.9%
PMPA	**4,700**	<10	>99.9%
PEPA	**1,700**	<10	>99.9%
PS Acid	<50	<2.0	>99.9%
Hydro-PS Acid	**190**	<2.0	>99.9%
R-PSDA	**390 J**	<2.0	>99.9%
Hydrolyzed PSDA	**1,100 J**	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**200**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%
Hydro-EVE Acid	**220 J**	<2.0	>99.9%
R-EVE	**260 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**37,000**	**31**	**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.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4B
FTC Performance Monitoring Analytical Results - Seep B
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**N/A[1]** Sample Date: N/A	**N/A[1]** Sample Date: N/A	**Percent Removal**
Hfpo Dimer Acid	-	-	-
PFMOAA	-	-	-
PFO2HxA	-	-	-
PFO3OA	-	-	-
PFO4DA	-	-	-
PFO5DA	-	-	-
PMPA	-	-	-
PEPA	-	-	-
PS Acid	-	-	-
Hydro-PS Acid	-	-	-
R-PSDA	-	-	-
Hydrolyzed PSDA	-	-	-
R-PSDCA	-	-	-
NVHOS, Acid Form	-	-	-
EVE Acid	-	-	-
Hydro-EVE Acid	-	-	-
R-EVE	-	-	-
Perfluoro(2-ethoxyethane)sulfonic Acid	-	-	-
PFECA B	-	-	-
PFECA-G	-	-	-
Total Table 3+ (17 compounds)[2,3]	-	-	-

Notes:
1 - The FTC was operating under batch mode during the entirety of October, November, and December 2024. Performance samples were not collected while the FTC was closed.
2 - 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.
3 - Total Table 3+ (17 Compounds) does not include R-PSDA, Hydrolyzed PSDA and R-EVE.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure

Table 2-4C
FTC Performance Monitoring Analytical Results - Seep C
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-C-INFLUENT-24-121224** Sample Date: 12-Dec-24	**SEEP-C-EFFLUENT-24-121224** Sample Date: 12-Dec-24	**Percent Removal**	**SEEP-C-INFLUENT-24-122824** Sample Date: 28-Dec-24	**SEEP-C-EFFLUENT-24-122824** Sample Date: 28-Dec-24	**Percent Removal**
Hfpo Dimer Acid	**1,100**	<2.0	>99.9%	**1,200**	<2.0	>99.9%
PFMOAA	**3,600**	**25**	99.3%	**4,000**	**19**	99.5%
PFO2HxA	**1,800**	**3.5**	99.8%	**1,800**	<2.0	>99.9%
PFO3OA	**530**	<2.0	>99.9%	**510**	<2.0	>99.9%
PFO4DA	**230**	<2.0	>99.9%	**240**	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	**700**	<10	>99.9%	**750**	<10	>99.9%
PEPA	<250	<10	>99.9%	<250	<10	>99.9%
PS Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-PS Acid	**59**	<2.0	>99.9%	**73**	<2.0	>99.9%
R-PSDA	**86 J**	<2.0	>99.9%	**120 J**	<2.0	>99.9%
Hydrolyzed PSDA	<50	<2.0	>99.9%	<50	<2.0	>99.9%
R-PSDCA	<50	<2.0	>99.9%	<50	<2.0	>99.9%
NVHOS, Acid Form	<50	<2.0	>99.9%	<50	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Hydro-EVE Acid	**140**	<2.0	>99.9%	**160**	<2.0	>99.9%
R-EVE	**78 J**	<2.0	>99.9%	**80 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**8,200**	**29**	**99.6%**	**8,700**	**19**	**>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.
ng/L - nanograms per liter
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-4D
FTC Performance Monitoring Analytical Results - Seep D
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3 + SOP (ng/ L)	**SEEP-D-INFLUENT-6-100824** Sample Date: 8-Oct-24	**SEEP-D-EFFLUENT-6-100824** Sample Date: 8-Oct-24	**Percent Removal**
Hfpo Dimer Acid	**1,200**	**20**	98.3%
PFMOAA	**3,500**	**110**	96.9%
PFO2HxA	**1,900**	**45**	97.6%
PFO3OA	**630**	**10**	98.4%
PFO4DA	**190**	3.2	98.3%
PFO5DA	<78	<2.0	>99.9%
PMPA	**680**	**15**	97.8%
PEPA	<250	<10	>99.9%
PS Acid	<50	<2.0	>99.9%
Hydro-PS Acid	<50	<2.0	>99.9%
R-PSDA	**170 J**	**2.3 J**	98.6%
Hydrolyzed PSDA	**100 J**	**2.1 J**	97.9%
R-PSDCA	<50	<2.0	>99.9%
NVHOS, Acid Form	**60**	<2.0	>99.9%
EVE Acid	<50	<2.0	>99.9%
Hydro-EVE Acid	**59**	<2.0	>99.9%
R-EVE	**77 J**	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<50	<2.0	>99.9%
PFECA B	<50	<2.0	>99.9%
PFECA-G	<50	<2.0	>99.9%
Total Table 3+ (17 compounds)[1,2]	**8,200**	**200**	**97.6%**

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
FTC - flow through cell
SOP - standard operating procedure
< - Analyte not detected above associated reporting limit.

Table 2-5A
FTC Water Quality Data - Seep A
Quarterly Report #8 (Oct - Dec 2024)
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]
12/28/2024	9.5	9.33	-0.2	4.98	5.97	0.99	316.13	256.45	-59.68	17.75	17.99	0.24	14.58	1.27	-13.31	<1 UJ	11 J	11

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
J - Analyte detected. Reported value may not be accurate or precise.
UJ - Analyte not detected. Reporting limit may not be accurate or precise
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5B
FTC Water Quality Data - Seep B
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
N/A[1]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1 - The FTC was operating under batch mode for the entirety of October, November, and December 2024. Performance samples were not collected while the FTC was closed.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5C
FTC Water Quality Data - Seep C
Quarterly Report #8 (Oct - Dec 2024)
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]
12/12/2024	8.68	10.41	1.73	7.27	7.4	0.1	465.86	219.34	-246.52	14.01	13.94	-0.07	61.1	28.7	-32.4	36	10	-26
12/28/2024	9.6	9.55	0.0	6.74	7.2	0.5	257.69	231.47	-26.22	17.82	17.71	-0.11	11	7.57	-3	5.7 J	4.3 J	-1.4
Average	*9.1*	*9.98*	*0.9*	*7.01*	*7.3*	*0.3*	*361.78*	*225.41*	*-136.40*	*15.92*	*15.83*	*-0.10*	*36*	*18.1*	*-18*	*21*	*7*	*-14*
Median	*9.1*	*9.98*	*0.9*	*7.01*	*7.3*	*0.3*	*361.78*	*225.41*	*-136.40*	*15.92*	*15.83*	*-0.10*	*36*	*18.1*	*-18*	*21*	*7*	*-14*

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
J - Analyte detected. Reported value may not be accurate or precise.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 2-5D
FTC Water Quality Data - Seep D
Quarterly Report #8 (Oct - Dec 2024)
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]
10/8/2024	9.79	10.26	0.47	8.54	8.27	-0.27	242.13	197.45	-44.68	10.84	9.79	-1.05	41.17	2.88	-38.29	39	1.7 J	-37

Notes:
1 - TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
J - Analyte detected. Reported value may not be accurate or precise.
°C - degrees Celsius
DO - dissolved oxygen
FTC - flow through cell
mg/L - milligrams per liter
NTU - nephelometric turbidity units
SU - standard units
TSS - total suspended solids
µS/cm - microSiemens per centimeter

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #8 (Oct - Dec 2024)
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	13,814,238	2,664,302	10,582,349	980,676	3,999,867	32,041,432	36,860,257	
10/1/2024	13,836,360	2,668,506	10,611,602	983,792	4,012,591	32,112,851	163,060	37,023,317
10/2/2024	13,853,158	2,671,375	10,651,265	985,937	4,025,093	32,186,828	162,116	37,185,432
10/3/2024	13,871,136	2,674,049	10,674,820	988,094	4,037,445	32,245,544	162,402	37,347,834
10/4/2024	13,887,845	2,676,361	10,696,199	990,205	4,049,604	32,300,214	163,710	37,511,544
10/5/2024	13,936,557	2,678,765	10,716,623	992,076	4,060,171	32,384,192	162,277	37,673,821
10/6/2024	13,952,497	2,680,878	10,736,146	994,153	4,072,181	32,435,855	161,704	37,835,525
10/7/2024	13,969,209	2,682,950	10,754,687	996,000	4,084,129	32,486,975	128,761	37,964,286
10/8/2024	13,985,137	2,684,564	10,772,007	997,832	4,096,008	32,535,548	58,072	38,022,358
10/9/2024	14,002,118	2,686,356	10,787,695	999,611	4,106,366	32,582,146	50,902	38,073,260
10/10/2024	14,018,957	2,687,905	10,803,750	1,001,414	4,116,694	32,628,720	51,648	38,124,908
10/11/2024	14,034,908	2,689,553	10,818,114	1,002,943	4,126,930	32,672,448	48,538	38,173,446
10/12/2024	14,050,262	2,690,983	10,832,694	1,004,485	4,138,652	32,717,076	47,562	38,221,008
10/13/2024	14,067,489	2,692,498	10,847,429	1,006,252	4,148,905	32,762,573	48,034	38,269,041
10/14/2024	14,083,069	2,693,786	10,861,212	1,007,790	4,159,101	32,804,958	49,994	38,319,036
10/15/2024	14,100,691	2,695,189	10,873,908	1,009,304	4,169,239	32,848,331	38,706	38,357,742
10/16/2024	14,116,624	2,696,456	10,886,733	1,010,805	4,179,278	32,889,896	0	38,357,742
10/17/2024	14,132,191	2,697,818	10,899,622	1,012,305	4,189,298	32,931,234	17,539	38,375,281
10/18/2024	14,147,512	2,699,040	10,912,129	1,013,793	4,199,253	32,971,727	162,808	38,538,089
10/19/2024	14,164,276	2,700,430	10,924,464	1,015,055	4,207,812	33,012,037	163,672	38,701,761
10/20/2024	14,179,260	2,701,693	10,936,577	1,016,532	4,217,846	33,051,908	161,827	38,863,587
10/21/2024	14,196,473	2,703,148	10,948,628	1,017,798	4,227,852	33,093,899	158,208	39,021,796
10/22/2024	14,211,756	2,704,403	10,960,422	1,019,276	4,237,859	33,133,716	162,040	39,183,836
10/23/2024	14,228,351	2,705,888	10,972,237	1,020,543	4,247,872	33,174,891	162,543	39,346,379
10/24/2024	14,243,800	2,707,221	10,984,009	1,021,801	4,259,341	33,216,172	162,977	39,509,356
10/25/2024	14,260,260	2,708,632	10,994,813	1,023,235	4,267,888	33,254,828	152,074	39,661,430
10/26/2024	14,275,668	2,709,931	11,005,889	1,024,497	4,277,888	33,293,873	164,022	39,825,452
10/27/2024	14,292,201	2,711,400	11,016,843	1,025,543	4,287,827	33,333,814	162,152	39,987,605
10/28/2024	14,307,605	2,712,717	11,027,977	1,026,787	4,296,366	33,371,452	105,484	40,093,088
10/29/2024	14,324,063	2,714,224	11,038,792	1,028,017	4,306,343	33,411,439	108,932	40,202,020
10/30/2024	14,340,416	2,715,629	11,047,755	1,029,259	4,314,923	33,447,982	48,692	40,250,712
10/31/2024	14,356,973	2,717,210	11,047,756	1,030,296	4,324,909	33,477,144	43,371	40,294,083
October Total	542,735	52,908	465,407	49,620	325,042	1,435,712	3,433,826	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #8 (Oct - Dec 2024)
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)
11/1/2024	14,371,001	2,718,629	11,047,758	1,031,553	4,334,902	33,503,843	45,303	40,339,386
11/2/2024	14,387,589	2,720,199	11,047,760	1,032,805	4,344,844	33,533,197	34,743	40,374,129
11/3/2024	14,402,416	2,721,536	11,047,761	1,033,830	4,354,765	33,560,308	28,777	40,402,906
11/4/2024	14,418,823	2,723,039	11,047,763	1,035,051	4,363,259	33,587,935	26,025	40,428,931
11/5/2024	14,434,214	2,724,438	11,047,764	1,036,058	4,373,139	33,615,613	28,021	40,456,952
11/6/2024	14,451,439	2,726,046	11,047,766	1,037,307	4,383,026	33,645,584	28,031	40,484,983
11/7/2024	14,465,758	2,727,442	11,047,768	1,038,340	4,392,885	33,672,193	30,529	40,515,512
11/8/2024	14,482,294	2,729,103	11,047,769	1,039,637	4,402,749	33,701,552	43,945	40,559,458
11/9/2024	14,497,009	2,730,482	11,047,771	1,040,708	4,411,134	33,727,104	28,940	40,588,397
11/10/2024	14,513,223	2,732,050	11,047,773	1,041,916	4,420,941	33,755,903	23,333	40,611,731
11/11/2024	14,529,059	2,733,697	11,047,775	1,042,939	4,430,821	33,784,291	27,687	40,639,417
11/12/2024	14,546,204	2,735,364	11,047,777	1,044,315	4,440,553	33,814,213	33,221	40,672,638
11/13/2024	14,560,962	2,736,743	11,047,779	1,045,362	4,450,250	33,841,096	26,839	40,699,478
11/14/2024	14,575,866	2,744,452	11,047,781	1,046,363	4,465,621	33,880,083	23,318	40,722,796
11/15/2024	14,613,131	2,750,739	11,047,783	1,050,659	4,477,361	33,939,673	111,266	40,834,062
11/16/2024	14,628,041	2,752,578	11,047,786	1,051,937	4,487,296	33,967,638	67,973	40,902,036
11/17/2024	14,643,074	2,754,157	11,047,789	1,053,273	4,497,142	33,995,435	28,742	40,930,778
11/18/2024	14,661,881	2,756,008	11,237,744	1,055,077	4,507,151	34,217,861	30,157	40,960,934
11/19/2024	14,674,974	2,757,584	11,255,282	1,055,954	4,517,069	34,260,863	164,559	41,125,493
11/20/2024	14,704,365	2,764,500	11,272,261	1,057,063	4,530,702	34,328,891	121,244	41,246,737
11/21/2024	14,721,063	2,767,109	11,306,496	1,059,982	4,540,818	34,395,468	119,688	41,366,425
11/22/2024	14,737,798	2,768,698	11,319,516	1,061,370	4,550,754	34,438,136	58,449	41,424,874
11/23/2024	14,752,875	2,770,345	11,330,195	1,062,673	4,560,632	34,476,720	39,450	41,464,324
11/24/2024	14,772,604	2,771,723	11,340,099	1,063,968	4,569,097	34,517,491	35,855	41,500,179
11/25/2024	14,783,882	2,772,963	11,350,305	1,065,270	4,578,906	34,551,326	41,986	41,542,165
11/26/2024	14,799,787	2,774,575	11,360,090	1,066,578	4,588,789	34,589,819	32,259	41,574,424
11/27/2024	14,815,717	2,775,952	11,370,472	1,067,703	4,597,242	34,627,086	39,024	41,613,448
11/28/2024	14,831,568	2,777,498	11,380,715	1,068,993	4,607,089	34,665,863	55,619	41,669,067
11/29/2024	14,845,876	2,778,817	11,390,810	1,070,337	4,616,888	34,702,728	37,976	41,707,043
11/30/2024	14,860,585	2,780,320	11,399,795	1,071,402	4,625,262	34,737,364	32,091	41,739,134
November Total	489,584	61,691	352,037	39,849	290,360	1,233,521	1,445,051	

Table 3-1
Ex-Situ Seeps and Weeps Flow Data
Quarterly Report #8 (Oct - Dec 2024)
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)
12/1/2024	14,876,379	2,781,595	11,408,276	1,072,436	4,633,633	34,772,319	31,409	41,770,543
12/2/2024	14,891,065	2,781,595	11,417,145	1,073,707	4,643,495	34,807,007	33,728	41,804,270
12/3/2024	14,906,632	2,781,595	11,425,612	1,074,586	4,654,256	34,842,681	53,118	41,857,389
12/4/2024	14,921,131	2,781,595	11,433,781	1,075,615	4,664,086	34,876,208	33,620	41,891,008
12/5/2024	14,937,123	2,781,595	11,443,008	1,076,890	4,674,131	34,912,747	32,434	41,923,442
12/6/2024	14,952,496	2,781,657	11,451,467	1,077,933	4,683,510	34,947,063	33,445	41,956,887
12/7/2024	14,968,260	2,783,106	11,459,357	1,079,164	4,692,881	34,982,768	29,954	41,986,840
12/8/2024	14,982,420	2,784,446	11,468,256	1,080,204	4,702,903	35,018,229	33,177	42,020,018
12/9/2024	14,999,261	2,786,942	11,480,741	1,081,361	4,713,550	35,061,855	38,977	42,058,994
12/10/2024	15,020,778	2,791,178	11,502,974	1,083,129	4,724,787	35,122,846	64,622	42,123,617
12/11/2024	15,093,196	2,805,129	11,538,852	1,085,200	4,747,452	35,269,829	89,201	42,212,818
12/12/2024	15,118,863	2,807,233	11,601,500	1,090,500	4,757,826	35,375,922	166,275	42,379,093
12/13/2024	15,134,201	2,808,595	11,616,808	1,092,173	4,767,878	35,419,655	156,480	42,535,574
12/14/2024	15,149,151	2,810,079	11,628,386	1,093,533	4,777,958	35,459,107	67,175	42,602,748
12/15/2024	15,164,849	2,811,357	11,639,040	1,095,086	4,788,074	35,498,406	38,861	42,641,609
12/16/2024	15,180,130	2,812,726	11,649,367	1,096,419	4,798,854	35,537,496	38,432	42,680,041
12/17/2024	15,196,016	2,814,013	11,659,639	1,097,766	4,808,939	35,576,373	37,720	42,717,761
12/18/2024	15,210,819	2,815,446	11,669,760	1,099,104	4,819,950	35,615,079	37,864	42,755,624
12/19/2024	15,230,257	2,819,119	11,689,089	1,100,837	4,831,034	35,670,336	70,988	42,826,612
12/20/2024	15,245,687	2,820,568	11,689,265	1,102,279	4,842,094	35,699,893	70,899	42,897,511
12/21/2024	15,262,716	2,822,635	11,702,735	1,103,755	4,852,287	35,744,128	45,705	42,943,216
12/22/2024	15,276,672	2,824,011	11,714,410	1,104,888	4,861,580	35,781,561	41,757	42,984,973
12/23/2024	15,293,215	2,825,193	11,723,088	1,106,266	4,870,232	35,817,994	33,157	43,018,130
12/24/2024	15,307,071	2,827,044	11,731,993	1,107,455	4,881,018	35,854,581	35,486	43,053,616
12/25/2024	15,322,879	2,828,357	11,743,331	1,108,901	4,890,323	35,893,791	48,667	43,102,282
12/26/2024	15,337,229	2,829,671	11,752,842	1,110,006	4,900,255	35,930,003	36,836	43,139,118
12/27/2024	15,359,370	2,834,518	11,761,754	1,111,280	4,911,262	35,978,184	39,000	43,178,118
12/28/2024	15,376,285	2,836,431	11,790,901	1,113,543	4,922,259	36,039,419	80,377	43,258,494
12/29/2024	15,417,987	2,845,042	11,803,520	1,114,950	4,939,786	36,121,285	54,130	43,312,625
12/30/2024	15,447,532	2,847,702	11,853,495	1,118,695	4,951,964	36,219,388	150,528	43,463,153
12/31/2024	15,465,247	2,849,554	11,876,244	1,120,419	4,963,752	36,275,216	89,643	43,552,796
December Total	588,868	67,959	467,968	47,983	330,119	1,502,897	1,813,663	
Reporting Period Total	1,621,187	182,558	1,285,412	137,452	945,521	4,172,130	6,692,540	

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.
3 - For October 16, daily volume conveyed from surge pond is zero because the the GWTP was not operating on October 15.

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #8 (Oct - Dec 2024)
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
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

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #8 (Oct - Dec 2024)
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-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-01	Floodplain Deposits	399565.01	2052150.62	52.71	2	26	11-26
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-04	Floodplain Deposits	397279.61	2052584.95	50.66	2	27	12-27
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
OW-16	Black Creek Aquifer	399828.66	2051993.25	52.94	1	25	15-25

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #8 (Oct - Dec 2024)
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)
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
OW-58	Floodplain Deposits	394731.98	2052907.48	40.74	2	22	12-22
OW-59	Black Creek Aquifer	401064.37	2050003.35	141.69	2	118	108-118
PIW-10S	Surficial Aquifer	395104.95	2052296.98	76.32	2	17	7-17
PIW-10DR	Black Creek Aquifer	395093.72	2052297.91	74.17	2	58	53-58

Table 4-1
Extraction and Observation Well Construction Details
Quarterly Report #8 (Oct - Dec 2024)
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)
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
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-1S	Floodplain Deposits	400541.03	2051792.39	54.04	2	18	8-18
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-6S	Floodplain Deposits	398117.93	2052539.79	53.40	2	28	18-28
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
PIW-8D	Black Creek Aquifer	396403.37	2052682.10	48.66	2	40	35-40
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

FT - feet

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 #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
Prior Total	N/A	318,900,187
10/1/2024	334	319,379,515
10/2/2024	335	319,858,427
10/3/2024	332	320,336,283
10/4/2024	333	320,814,139
10/5/2024	336	321,295,131
10/6/2024	336	321,779,483
10/7/2024	338	322,264,091
10/8/2024	337	322,747,963
10/9/2024	333	323,223,451
10/10/2024	332	323,699,803
10/11/2024	332	324,176,251
10/12/2024	335	324,655,195
10/13/2024	335	325,134,427
10/14/2024	334	325,613,755
10/15/2024	336	326,094,043
10/16/2024	337	326,576,827
10/17/2024	337	327,058,779
10/18/2024	336	327,541,499
10/19/2024	334	328,019,291
10/20/2024	333	328,497,531
10/21/2024	335	328,975,931
10/22/2024	333	329,453,083
10/23/2024	334	329,931,163
10/24/2024	333	330,409,147
10/25/2024	334	330,887,707
10/26/2024	337	331,369,755
10/27/2024	336	331,850,331
10/28/2024	317	332,304,859
10/29/2024	322	332,767,579
10/30/2024	331	333,242,203
10/31/2024	331	333,717,115
October Total	N/A	14,816,928

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
11/1/2024	333	334,193,531
11/2/2024	333	334,666,619
11/3/2024	334	335,169,403
11/4/2024	334	335,647,771
11/5/2024	331	336,121,947
11/6/2024	330	336,594,523
11/7/2024	328	337,064,731
11/8/2024	328	337,535,771
11/9/2024	327	338,005,019
11/10/2024	329	338,476,987
11/11/2024	333	338,954,587
11/12/2024	330	339,428,507
11/13/2024	332	339,905,115
11/14/2024	333	340,382,011
11/15/2024	328	340,852,635
11/16/2024	328	341,322,395
11/17/2024	328	341,792,667
11/18/2024	328	342,266,555
11/19/2024	328	342,733,755
11/20/2024	329	343,204,507
11/21/2024	330	343,677,339
11/22/2024	330	344,150,683
11/23/2024	331	344,623,227
11/24/2024	325	345,087,003
11/25/2024	327	345,555,355
11/26/2024	326	346,023,995
11/27/2024	328	346,490,427
11/28/2024	324	346,956,571
11/29/2024	319	347,414,459
11/30/2024	321	347,873,371
November Total	N/A	14,156,256

Table 4-2
Summary of GWEC Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Average Extraction Flow Rate (gpm)	Cumulative Volume Extracted (gallons)
12/1/2024	325	348,339,803
12/2/2024	325	348,803,899
12/3/2024	325	349,267,899
12/4/2024	307	349,708,283
12/5/2024	314	350,160,923
12/6/2024	319	350,617,435
12/7/2024	322	351,075,899
12/8/2024	320	351,535,547
12/9/2024	323	351,997,147
12/10/2024	325	352,463,515
12/11/2024	324	352,930,715
12/12/2024	317	353,382,747
12/13/2024	317	353,836,955
12/14/2024	320	354,294,043
12/15/2024	320	354,753,435
12/16/2024	327	355,220,027
12/17/2024	329	355,692,731
12/18/2024	331	356,166,235
12/19/2024	328	356,636,667
12/20/2024	328	357,105,563
12/21/2024	326	357,571,611
12/22/2024	322	358,032,475
12/23/2024	326	358,498,811
12/24/2024	329	358,971,291
12/25/2024	325	359,438,939
12/26/2024	327	359,907,675
12/27/2024	324	360,374,779
12/28/2024	321	360,837,115
12/29/2024	323	361,301,179
12/30/2024	325	361,764,763
12/31/2024	325	362,230,139
December Total	N/A	14,356,768
Reporting Period Total	N/A	43,329,952

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.
GWEC - Groundwater Extraction and Conveyance
gpm - gallons per minute

Table 4-3
Extraction Well Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Target Aquifer	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
		October	November	December	October	November	December	Total Reporting Period
Willis Creek (Northern Alignment)								
EW-01	Black Creek Aquifer	10.88	10.87	10.70	485,572	469,713	477,565	1,432,850
EW-02	Black Creek Aquifer	5.93	5.91	5.83	264,735	255,306	260,392	780,433
EW-03	Black Creek Aquifer	2.47	2.46	2.41	110,401	106,468	107,435	324,305
EW-04	Black Creek Aquifer	0.93	0.48	0.37	41,668	20,603	16,631	78,902
EW-05	Black Creek Aquifer	13.84	13.84	13.65	617,854	597,700	609,350	1,824,905
EW-06	Black Creek Aquifer	7.91	7.89	7.81	353,085	340,688	348,633	1,042,405
EW-07	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
EW-08	Black Creek Aquifer	4.45	4.44	4.40	198,629	191,705	196,503	586,837
EW-09	Black Creek Aquifer	0.09	0.02	0.01	4,091	864	365	5,320
EW-10	Black Creek Aquifer	1.48	1.08	0.38	66,151	46,805	16,988	129,944
EW-11	Black Creek Aquifer	2.47	2.48	2.44	110,353	107,073	108,872	326,298
EW-12	Black Creek Aquifer	1.48	1.45	0.93	66,138	62,657	41,617	170,412
EW-13	Black Creek Aquifer	0.70	0.46	0.45	31,252	20,013	19,913	71,178
EW-14	Black Creek Aquifer	4.45	4.11	1.39	198,649	177,640	62,267	438,556
EW-15	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
Average Northern Alignment EW		3.81	3.70	3.38	N/A	N/A	N/A	N/A
Barrier Wall (Southern Alignment)								
EW-16	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
EW-17	Black Creek Aquifer	0.00	0.00	0.03	176	58	1,330	1,565
EW-18	Surficial Aquifer	0.84	0.70	0.70	37,516	30,031	31,093	98,641
EW-19	Black Creek Aquifer	2.47	2.42	1.53	110,395	104,628	68,251	283,274
EW-20	Surficial Aquifer	0.29	0.30	0.31	12,790	13,152	13,833	39,776
EW-21	Black Creek Aquifer	0.05	0.03	0.00	2,368	1,112	51	3,531
EW-22	Surficial Aquifer	6.92	6.92	6.92	308,889	298,924	309,085	916,898
EW-23	Black Creek Aquifer	0.00	0.00	0.00	0	0	0	0
EW-24	Surficial Aquifer	2.97	2.97	2.97	132,425	128,103	132,465	392,993
EW-25	Black Creek Aquifer	1.07	1.22	1.23	47,595	52,867	55,052	155,514
EW-26	Surficial Aquifer	1.25	1.40	1.25	55,784	60,355	55,585	171,723
EW-27	Surficial Aquifer	4.94	4.94	4.94	220,712	213,497	220,742	654,951
EW-28	Black Creek Aquifer	0.70	0.73	0.44	31,420	31,561	19,585	82,566
EW-29	Surficial Aquifer	4.45	4.45	4.45	198,620	192,117	198,680	589,417
EW-30	Black Creek Aquifer	3.95	3.93	3.96	176,543	169,951	176,584	523,078
EW-31	Surficial Aquifer	7.79	7.88	7.91	347,825	340,474	353,136	1,041,435
EW-32	Black Creek Aquifer	3.64	2.86	2.92	162,390	123,691	130,270	416,350
EW-33	Surficial Aquifer	1.50	1.47	1.49	67,017	63,538	66,454	197,009
EW-34	Black Creek Aquifer	4.93	4.94	4.95	220,050	213,455	220,778	654,284
EW-35	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-36	Black Creek Aquifer	7.91	7.91	7.91	353,062	341,526	353,148	1,047,736
EW-37	Surficial Aquifer	4.45	4.43	4.45	198,638	191,518	198,621	588,777
EW-38	Black Creek Aquifer	16.81	16.80	16.81	750,243	725,779	750,477	2,226,499
EW-39	Surficial Aquifer	2.01	1.81	1.66	89,802	78,323	74,234	242,359
EW-40	Black Creek Aquifer	19.77	19.77	19.78	882,695	853,907	882,980	2,619,582
EW-41	Black Creek Aquifer	3.92	3.95	3.95	174,995	170,666	176,473	522,134
EW-42	Black Creek Aquifer	3.92	3.95	3.95	174,968	170,575	176,328	521,870
EW-43	Black Creek Aquifer	4.94	4.94	4.94	220,711	213,484	220,726	654,921
EW-44	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-45	Black Creek Aquifer	3.95	3.95	3.95	176,471	170,680	176,477	523,628

Table 4-3
Extraction Well Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Well ID	Target Aquifer	Average Extraction Flow Rate (gpm)			Total Volume (gal)			
		October	November	December	October	November	December	Total Reporting Period
EW-46	Surficial Aquifer	0.00	0.00	0.00	0	0	0	0
EW-47	Black Creek Aquifer	3.95	3.95	3.95	176,458	170,684	176,491	523,634
EW-48	Surficial Aquifer	1.29	1.29	1.29	57,443	55,553	57,452	170,447
EW-49	Black Creek Aquifer	5.93	5.93	5.93	264,734	256,091	264,801	785,626
EW-50	Surficial Aquifer	1.98	1.97	1.98	88,178	85,300	88,186	261,665
EW-51	Black Creek Aquifer	3.95	3.95	3.95	176,456	170,678	176,498	523,632
EW-52	Black Creek Aquifer	5.93	5.93	5.93	264,825	256,159	264,866	785,850
EW-53	Black Creek Aquifer	4.45	4.45	4.45	198,631	192,132	198,674	589,437
EW-54	Black Creek Aquifer	2.97	2.97	2.97	132,379	128,102	132,443	392,924
EW-55	Black Creek Aquifer	3.45	3.46	3.46	154,213	149,406	154,483	458,102
EW-56	Black Creek Aquifer	5.92	5.93	5.92	264,323	256,138	264,449	784,910
EW-57	Black Creek Aquifer	0.06	0.01	0.00	2,751	282	125	3,159
EW-58	Black Creek Aquifer	1.73	1.78	1.68	77,195	77,012	74,957	229,164
EW-60	Black Creek Aquifer	0.00	0.00	0.00	198	28	0	227
EW-61	Black Creek Aquifer	2.29	2.32	2.37	102,378	100,175	105,898	308,451
EW-62	Black Creek Aquifer	1.19	1.21	1.23	52,974	52,096	55,101	160,171
EW-63	Black Creek Aquifer	10.87	10.87	10.88	485,260	469,691	485,518	1,440,470
EW-64	Black Creek Aquifer	0.01	0.11	0.18	223	4,795	7,841	12,860
EW-65	Black Creek Aquifer	1.46	1.51	1.41	65,344	65,438	63,075	193,857
EW-66	Black Creek Aquifer	11.86	11.86	11.87	529,594	512,352	529,776	1,571,722
EW-67	Black Creek Aquifer	31.64	31.63	31.65	1,412,277	1,366,227	1,412,840	4,191,345
EW-68	Black Creek Aquifer	27.68	27.67	27.69	1,235,666	1,195,412	1,236,146	3,667,224
EW-69	Black Creek Aquifer	27.68	27.67	27.69	1,235,696	1,195,400	1,236,202	3,667,298
Average Southern Alignment EW		5.13	5.12	5.09	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
N/A - not applicable

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
Prior Total	348,562,405		N/A	347,182,266	
10/1/2024	664,368	349,226,773	438	631,079	347,813,345
10/2/2024	648,270	349,875,043	428	616,474	348,429,819
10/3/2024	664,632	350,539,675	445	640,264	349,070,083
10/4/2024	659,220	351,198,895	444	639,710	349,709,793
10/5/2024	645,273	351,844,168	425	612,405	350,322,198
10/6/2024	678,819	352,522,987	454	653,988	350,976,186
10/7/2024	634,770	353,157,757	418	602,498	351,578,684
10/8/2024	553,170	353,710,927	370	532,975	352,111,659
10/9/2024	552,463	354,263,390	367	529,085	352,640,744
10/10/2024	544,531	354,807,921	361	519,180	353,159,924
10/11/2024	525,774	355,333,695	343	494,189	353,654,113
10/12/2024	556,601	355,890,296	369	531,502	354,185,615
10/13/2024	548,818	356,439,114	365	525,134	354,710,749
10/14/2024	527,106	356,966,220	329	473,641	355,184,390
10/15/2024	394,366	357,360,586	264	380,498	355,564,888
10/16/2024	0	357,360,586	0	0	355,564,888
10/17/2024	99,176	357,459,762	57	81,832	355,646,720
10/18/2024	672,894	358,132,656	450	647,789	356,294,509
10/19/2024	675,977	358,808,633	447	642,973	356,937,482
10/20/2024	645,197	359,453,830	428	616,632	357,554,114
10/21/2024	659,930	360,113,760	440	633,694	358,187,808
10/22/2024	647,556	360,761,316	429	617,830	358,805,638
10/23/2024	665,865	361,427,181	441	634,460	359,440,098
10/24/2024	636,728	362,063,909	425	612,492	360,052,590
10/25/2024	600,933	362,664,842	393	566,124	360,618,714
10/26/2024	657,748	363,322,590	452	651,125	361,269,839
10/27/2024	668,936	363,991,526	449	646,546	361,916,385
10/28/2024	503,982	364,495,508	344	495,985	362,412,370
10/29/2024	582,074	365,077,582	385	554,915	362,967,285
10/30/2024	546,845	365,624,427	363	523,349	363,490,634
10/31/2024	518,677	366,143,104	359	516,537	364,007,171
October Total	17,580,699		N/A	16,824,905	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
11/1/2024	543,615	366,686,719	370	533,158	364,540,329
11/2/2024	522,180	367,208,899	349	501,941	365,042,270
11/3/2024	520,040	367,728,939	355	511,257	365,553,527
11/4/2024	510,997	368,239,936	342	492,384	366,045,911
11/5/2024	533,673	368,773,609	360	518,441	366,564,352
11/6/2024	519,883	369,293,492	351	505,551	367,069,903
11/7/2024	527,180	369,820,672	359	516,603	367,586,506
11/8/2024	515,196	370,335,868	346	498,584	368,085,090
11/9/2024	528,149	370,864,017	353	507,914	368,593,004
11/10/2024	500,259	371,364,276	342	492,045	369,085,049
11/11/2024	505,712	371,869,988	342	492,785	369,577,834
11/12/2024	534,249	372,404,237	359	517,184	370,095,018
11/13/2024	506,856	372,911,093	343	493,561	370,588,579
11/14/2024	529,316	373,440,409	352	506,546	371,095,125
11/15/2024	580,611	374,021,020	396	570,870	371,665,995
11/16/2024	559,003	374,580,023	378	544,884	372,210,879
11/17/2024	504,525	375,084,548	339	487,902	372,698,781
11/18/2024	519,433	375,603,981	348	500,949	373,199,730
11/19/2024	656,405	376,260,386	440	633,771	373,833,501
11/20/2024	594,908	376,855,294	401	577,693	374,411,194
11/21/2024	612,997	377,468,291	401	577,180	374,988,374
11/22/2024	552,438	378,020,729	369	532,029	375,520,403
11/23/2024	536,079	378,556,808	365	525,303	376,045,706
11/24/2024	524,577	379,081,385	349	503,104	376,548,810
11/25/2024	534,677	379,616,062	360	518,536	377,067,346
11/26/2024	503,494	380,119,556	339	487,946	377,555,292
11/27/2024	539,630	380,659,186	358	515,754	378,071,046
11/28/2024	523,536	381,182,722	356	512,403	378,583,449
11/29/2024	529,905	381,712,627	356	513,102	379,096,551
11/30/2024	499,898	382,212,525	334	481,283	379,577,834
November Total	16,069,421		N/A	15,570,663	

Table 5-1
004 Treatment Plant Flow Data
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Date	Daily Volume Influent (gallons)	Cumulative Volume Influent (gallons)	Average Discharge Flow Rate (gpm)	Daily Volume Treated and Discharged (gallons)	Cumulative Volume Treated and Discharged (gallons)
12/1/2024	503,336	382,715,861	341	490,325	380,068,159
12/2/2024	535,402	383,251,263	357	513,458	380,581,617
12/3/2024	527,841	383,779,104	352	507,125	381,088,742
12/4/2024	491,635	384,270,739	325	468,270	381,557,012
12/5/2024	517,014	384,787,753	336	483,329	382,040,341
12/6/2024	500,413	385,288,166	345	497,071	382,537,412
12/7/2024	498,245	385,786,411	335	482,396	383,019,808
12/8/2024	526,588	386,312,999	347	500,370	383,520,178
12/9/2024	504,489	386,817,488	345	496,318	384,016,496
12/10/2024	553,684	387,371,172	368	530,062	384,546,558
12/11/2024	558,353	387,929,525	381	548,641	385,095,199
12/12/2024	645,307	388,574,832	434	625,552	385,720,751
12/13/2024	621,494	389,196,326	424	610,794	386,331,545
12/14/2024	541,750	389,738,076	357	514,359	386,845,904
12/15/2024	519,866	390,257,942	349	501,942	387,347,846
12/16/2024	523,773	390,781,715	345	496,978	387,844,824
12/17/2024	525,142	391,306,857	355	511,647	388,356,471
12/18/2024	533,228	391,840,085	352	507,011	388,863,482
12/19/2024	543,872	392,383,957	360	518,630	389,382,112
12/20/2024	542,441	392,926,398	367	529,099	389,911,211
12/21/2024	545,147	393,471,545	361	520,167	390,431,378
12/22/2024	533,418	394,004,963	350	504,573	390,935,951
12/23/2024	521,097	394,526,060	349	501,865	391,437,816
12/24/2024	518,230	395,044,290	344	495,376	391,933,192
12/25/2024	542,375	395,586,665	363	522,242	392,455,434
12/26/2024	526,961	396,113,626	348	500,535	392,955,969
12/27/2024	525,195	396,638,821	353	509,010	393,464,979
12/28/2024	570,692	397,209,513	379	546,461	394,011,440
12/29/2024	518,212	397,727,725	352	507,431	394,518,871
12/30/2024	639,773	398,367,498	429	617,736	395,136,607
12/31/2024	567,281	398,934,779	380	546,622	395,683,229
December Total	16,722,254		N/A	16,105,395	
Reporting Period Total	50,372,374		N/A	48,500,963	

1 - The 004 groundwater treatment plant (GWTP) 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 influent volume and volume treated and discharged is recorded on a 24-hour basis, ending daily at 2 pm. For simplicity, the volume totaled through 2 pm is shown as the daily total in this table.

4 - For October 16, volume and flow information is zero because the the GWTP was not operating on October 15. Accumulated influent volume was treated in the following days.

5 - Differences in daily and cumulative volumes between influent and discharged are attributable to the measurement resolution of the flow meters at the influent and effluent locations.

gpm - gallons per minute

Table 5-2
004 Treatment Plant PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1024** Sample Date: 3-Oct-24	**004 Effluent** **004-EFF-1024** Sample Date: 3-Oct-24	**004 Influent** **004-INF-1024-2** Sample Date: 9-Oct-24	**004 Effluent** **004-EFF-1024-2** Sample Date: 9-Oct-24	**004 Influent** **004-INF-1024-3** Sample Date: 14-Oct-24	**004 Effluent** **004-EFF-1024-3** Sample Date: 14-Oct-24	**004 Influent** **004-INF-1024-4** Sample Date: 21-Oct-24	**004 Effluent** **004-EFF-1024-4** Sample Date: 21-Oct-24	**004 Influent** **004-INF-1024-5** Sample Date: 28-Oct-24	**004 Effluent** **004-EFF-1024-5** Sample Date: 28-Oct-24
Hfpo Dimer Acid	**18,000**	<2.0	**13,000**	<2.0	**14,000**	<2.0	**13,000**	<2.0	**15,000**	<2.0
PFMOAA	**46,000**	<2.0 UJ	**56,000**	<2.0 UJ	**49,000 J**	<2.0 UJ	**57,000**	<2.0	**57,000**	<2.0
PFO2HxA	--	--	**24,000**	<2.0	--	--	--	--	--	--
PFO3OA	--	--	**6,700**	<2.0	--	--	--	--	--	--
PFO4DA	--	--	**1,900**	<2.0	--	--	--	--	--	--
PFO5DA	--	--	**500**	<2.0	--	--	--	--	--	--
PMPA	**12,000**	<10	**10,000**	<10	**9,500 J**	<10	**10,000**	<10	**12,000**	<10
PEPA	--	--	**3,700**	<10	--	--	--	--	--	--
PS Acid	--	--	**940**	<2.0	--	--	--	--	--	--
Hydro-PS Acid	--	--	**550**	<2.0	--	--	--	--	--	--
R-PSDA	--	--	**1,200 J**	<2.0 UJ	--	--	--	--	--	--
Hydrolyzed PSDA	--	--	**12,000 J**	<2.0 UJ	--	--	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--	--	--
NVHOS, Acid Form	--	--	**950**	<2.0	--	--	--	--	--	--
EVE Acid	--	--	**290**	<2.0	--	--	--	--	--	--
Hydro-EVE Acid	--	--	**850**	<2.0	--	--	--	--	--	--
R-EVE	--	--	**670 J**	<2.0 UJ	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--	--	--
PFECA-G	--	--	<50	<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).
4 - Influent and effluent concentrations are reported in ng/L.
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 #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1124** Sample Date: 4-Nov-24	**004 Effluent** **004-EFF-1124** Sample Date: 4-Nov-24	**004 Influent** **004-INF-1124-2** Sample Date: 11-Nov-24	**004 Effluent** **004-EFF-1124-2** Sample Date: 11-Nov-24	**004 Influent** **004-INF-1124-3** Sample Date: 18-Nov-24	**004 Effluent** **004-EFF-1124-3** Sample Date: 18-Nov-24	**004 Influent** **004-INF-1124-4** Sample Date: 25-Nov-24	**004 Effluent** **004-EFF-1124-4** Sample Date: 25-Nov-24
Hfpo Dimer Acid	**11,000**	<2.0	**11,000**	<2.0	**12,000**	<2.0	**13,000**	<2.0
PFMOAA	**62,000**	<2.0	**64,000**	<2.0	**59,000**	<2.0	**57,000**	<2.0
PFO2HxA	--	--	**24,000**	<2.0	--	--	--	--
PFO3OA	--	--	**6,600**	<2.0	--	--	--	--
PFO4DA	--	--	**1,600**	<2.0	--	--	--	--
PFO5DA	--	--	**360**	<2.0	--	--	--	--
PMPA	**9,200**	<10	**9,400**	<10	**8,500**	<10	**10,000**	<10
PEPA	--	--	**2,500**	<10	--	--	--	--
PS Acid	--	--	**580**	<2.0	--	--	--	--
Hydro-PS Acid	--	--	**420**	<2.0	--	--	--	--
R-PSDA	--	--	**1,200 J**	<2.0	--	--	--	--
Hydrolyzed PSDA	--	--	**14,000 J**	<2.0	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--
NVHOS, Acid Form	--	--	**920**	<2.0	--	--	--	--
EVE Acid	--	--	**59**	<2.0	--	--	--	--
Hydro-EVE Acid	--	--	**640**	<2.0	--	--	--	--
R-EVE	--	--	**540 J**	<2.0	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--
PFECA-G	--	--	<50	<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).
4 - Influent and effluent concentrations are reported in ng/L.
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 #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Table 3+ SOP (ng/L)	**004 Influent** **004-INF-1224** Sample Date: 3-Dec-24	**004 Effluent** **004-EFF-1224** Sample Date: 3-Dec-24	**004 Influent** **004-INF-1224-2** Sample Date: 9-Dec-24	**004 Effluent** **004-EFF-1224-2** Sample Date: 9-Dec-24	**004 Influent** **004-INF-1224-3** Sample Date: 16-Dec-24	**004 Effluent** **004-EFF-1224-3** Sample Date: 16-Dec-24	**004 Influent** **004-INF-1224-4** Sample Date: 26-Dec-24	**004 Effluent** **004-EFF-1224-4** Sample Date: 26-Dec-24	**004 Influent** **004-INF-1224-5** Sample Date: 30-Dec-24	**004 Effluent** **004-EFF-1224-5** Sample Date: 30-Dec-24
Hfpo Dimer Acid	**11,000**	<2.0	**13,000**	<2.0	**12,000**	<2.0	**11,000**	<2.0	**13,000**	<2.0
PFMOAA	**53,000**	<2.0	**66,000**	<2.0	**68,000**	<2.0	**64,000**	<2.0	**50,000**	<2.0
PFO2HxA	--	--	**25,000**	<2.0	--	--	--	--	--	--
PFO3OA	--	--	**6,700**	<2.0	--	--	--	--	--	--
PFO4DA	--	--	**2,100**	<2.0	--	--	--	--	--	--
PFO5DA	--	--	**420**	<2.0	--	--	--	--	--	--
PMPA	**9,300**	<10	**11,000**	<10	**11,000**	<10	**9,900**	<10	**10,000**	<10
PEPA	--	--	**3,500**	<10	--	--	--	--	--	--
PS Acid	--	--	**870**	<2.0	--	--	--	--	--	--
Hydro-PS Acid	--	--	**500**	<2.0	--	--	--	--	--	--
R-PSDA	--	--	**940 J**	<2.0 UJ	--	--	--	--	--	--
Hydrolyzed PSDA	--	--	**11,000 J**	<2.0 UJ	--	--	--	--	--	--
R-PSDCA	--	--	<50	<2.0	--	--	--	--	--	--
NVHOS, Acid Form	--	--	**930**	<2.0	--	--	--	--	--	--
EVE Acid	--	--	**330**	<2.0	--	--	--	--	--	--
Hydro-EVE Acid	--	--	**870**	<2.0	--	--	--	--	--	--
R-EVE	--	--	**520 J**	<2.0	--	--	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	--	--	<50	<2.0	--	--	--	--	--	--
PFECA B	--	--	<50	<2.0	--	--	--	--	--	--
PFECA-G	--	--	<50	<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).
4 - Influent and effluent concentrations are reported in ng/L.
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 #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST [1,2] ***(ng/L)***	**004 Influent** **004-INF-1124-2** Sample Date: 11-Nov-24	**004 Effluent** **004-EFF-1124-2** Sample Date: 11-Nov-24
10:2 Fluorotelomer sulfonate	<84	<2.0
11Cl-PF3OUdS	<40	<2.0
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<58	<2.0
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<30	<2.0
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<110	<2.0
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<180	<4.0
6:2 Fluorotelomer sulfonate	<310	<5.0
9Cl-PF3ONS	<30	<2.0
DONA	<50	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<160	<5.0
N-ethylperfluoro-1-octanesulfonamide	<110	<2.0
N-methyl perfluoro-1-octanesulfonamide	<54	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<150	<5.0
Perfluorobutane Sulfonic Acid	<25	<2.0
Perfluorobutanoic Acid	<300	<5.0
Perfluorodecane Sulfonic Acid	<40	<2.0
Perfluorodecanoic Acid	<39	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<120	<2.0
Perfluorododecanoic Acid	<69	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<24	<2.0
Perfluoroheptanoic Acid	**80**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<110	<2.0
Perfluorohexane Sulfonic Acid	<71	<2.0
Perfluorohexanoic Acid	<73	<2.0
Perfluorononanesulfonic Acid	<46	<2.0
Perfluorononanoic Acid	<34	<2.0
Perfluorooctadecanoic Acid	<120	<2.0
Perfluorooctane Sulfonamide	<120	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<38	<2.0
Perfluoropentanoic Acid	**470**	<2.0
Perfluorotetradecanoic Acid	<91	<2.0
Perfluorotridecanoic Acid	<160	<2.0
Perfluoroundecanoic Acid	<140	<2.0
PFOA	<110	<2.0
PFOS	<68	<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.
3 - Influent and effluent concentrations are reported in ng/L.
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 #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)* *Aug 2 (0.00)* *Aug 3 (0.00)*	*Aug 14 (0.41)* *Aug 15 (0.09)* *Aug 16 (0.00)*	*Jan 27 (0.00)* *Jan 28 (0.00)* *Jan 29 (0.08)*	*Oct. 28 (0.00)* *Oct. 29 (0.00)* *Oct. 30 (0.00)*	*Nov. 23 (0.00)* *Nov. 24 (0.00)* *Nov. 25 (0.00)*	*Dec. 15 (0.00)* *Dec. 16 (0.00)* *Dec. 17 (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)**							
		Baseline			**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**October 31, 2024**	**November 26, 2024**	**December 18, 2024**	**December 18, 2024 vs. January 30, 2023**	**December 18, 2024 vs. November 26, 2024**
Willis Creek Observation Wells (Northern Alignment): 18 Wells									
OW-11	Black Creek Aquifer	49.63	49.57	49.02	46.27	46.31	46.42	2.60	0.11
OW-12	Black Creek Aquifer	34.08	34.08	34.81	29.50	29.28	26.80	8.01	2.48
OW-13	Black Creek Aquifer	34.10	34.05	34.42	32.02	31.12	31.04	3.38	0.08
OW-14	Black Creek Aquifer	33.62	33.47	34.67	33.52	32.42	32.63	2.04	0.21
OW-41	Black Creek Aquifer	49.13	49.12	48.33	45.98	46.04	46.16	2.17	0.12
OW-42	Black Creek Aquifer	47.89	47.86	47.42	45.09	45.10	45.22	2.20	0.12
OW-43	Black Creek Aquifer	34.49	34.42	34.62	32.99	32.24	31.99	2.63	0.25
OW-54	Black Creek Aquifer	Well Installed January 24, 2023		35.87	33.87	32.65	33.40	2.47	0.75
OW-55	Black Creek Aquifer	Well Installed January 18, 2023		34.77	28.85	28.88	28.00	6.77	0.88
OW-56	Black Creek Aquifer	Well Installed January 24, 2023		36.92	36.12	36.29	36.11	0.81	0.18
OW-57	Black Creek Aquifer	Well Installed January 17, 2023		45.75	44.17	44.17	44.24	1.51	0.07
PIW-1D	Black Creek Aquifer	32.59	32.47	33.95	31.98	31.31	31.72	2.23	0.41
PIW-11	Black Creek Aquifer	43.28	43.24	43.89	42.59	43.57	43.57	0.32	0.00
PIW-12	Black Creek Aquifer	33.74	33.69	34.39	27.53	27.03	26.63	7.76	0.40
PIW-13	Black Creek Aquifer	33.66	33.60	34.20	28.40	27.28	26.98	7.22	0.30
PIW-14	Black Creek Aquifer	34.05	34.00	34.44	30.88	29.90	29.53	4.91	0.37
PIW-15	Black Creek Aquifer	32.74	32.65	33.54	31.68	30.87	31.05	2.49	0.18
SMW-12	Black Creek Aquifer	33.03	33.03	33.52	27.99	28.99	28.58	4.94	0.41
Median (Black Creek Aquifer wells)		34.07	34.03	34.72	32.51	31.78	31.86	2.55	0.25
Observation Wells ≤200 ft Upgradient of Barrier Wall: 19 Wells									
OW-02	Black Creek Aquifer	48.82	48.72	48.79	33.77	34.07	34.36	14.43	0.29
OW-03	Black Creek Aquifer	49.52	49.44	49.60	33.94	34.26	34.54	15.06	0.28
OW-07	Black Creek Aquifer	44.87	44.75	45.36	33.10	33.25	33.55	11.81	0.30
OW-08	Black Creek Aquifer	44.12	43.98	44.60	32.35	32.54	32.80	11.80	0.26
OW-15	Black Creek Aquifer	Well Installed September 22, 2022		56.91	58.04	57.94	57.96	-1.05	0.02
OW-17	Black Creek Aquifer	44.87	44.82	43.53	33.07	33.42	33.35	10.18	0.07
OW-18	Black Creek Aquifer	47.17	47.37	48.61	46.28	46.81	46.81	1.80	0.00
OW-19	Black Creek Aquifer	46.36	46.23	46.68	32.43	32.62	32.88	13.80	0.26
OW-21	Black Creek Aquifer	45.13	45.00	45.51	33.40	33.60	33.87	11.64	0.27
OW-24	Black Creek Aquifer	43.17	43.15	43.73	31.77	31.97	32.18	11.55	0.21
OW-26	Black Creek Aquifer	55.22	55.16	54.84	41.40	41.38	41.25	13.59	0.13
OW-29	Black Creek Aquifer	59.58	59.54	59.14	44.50	44.49	44.52	14.62	0.03
OW-31	Black Creek Aquifer	60.44	60.41	60.07	40.05	40.05	40.13	19.94	0.08
OW-34	Surficial Aquifer	62.98	62.81	62.03	67.71	67.66	67.65	-5.62	0.01
OW-35	Surficial Aquifer	66.33	66.10	65.67	69.33	69.20	69.10	-3.43	0.10
OW-36	Surficial Aquifer	62.72	62.61	62.07	63.91	63.89	63.79	-1.72	0.10
OW-37	Surficial Aquifer	Well Installed June 21, 2023			57.08	56.97	48.77	N/A	8.20
OW-38	Black Creek Aquifer	Well Installed September 22, 2022		61.93	64.20	64.20	64.14	-2.21	0.06
OW-51	Black Creek Aquifer	Well Installed June 20, 2023			30.90	31.07	31.24	N/A	0.17
Median (Black Creek Aquifer wells)		46.77	46.80	48.70	33.77	34.07	34.36	11.81	0.19
Median (Surficial Aquifer wells)		62.98	62.81	62.07	65.81	65.78	65.72	-3.43	0.10

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)* *Aug 2 (0.00)* *Aug 3 (0.00)*	*Aug 14 (0.41)* *Aug 15 (0.09)* *Aug 16 (0.00)*	*Jan 27 (0.00)* *Jan 28 (0.00)* *Jan 29 (0.08)*	*Oct. 28 (0.00)* *Oct. 29 (0.00)* *Oct. 30 (0.00)*	*Nov. 23 (0.00)* *Nov. 24 (0.00)* *Nov. 25 (0.00)*	*Dec. 15 (0.00)* *Dec. 16 (0.00)* *Dec. 17 (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)**							
		Baseline			**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**October 31, 2024**	**November 26, 2024**	**December 18, 2024**	**December 18, 2024 vs. January 30, 2023**	**December 18, 2024 vs. November 26, 2024**
Observation Wells ≤200 ft Downgradient of Barrier Wall: 21 Wells									
OW-04/04R	Black Creek Aquifer	59.45	59.42	Abandoned; Replaced Jul 31, 2023	41.16	40.78	40.63	N/A	0.15
OW-09/09R	Black Creek Aquifer	59.61	59.57	Abandoned; Replaced Aug 1, 2023	41.18	39.75	40.63	N/A	0.88
OW-20	Black Creek Aquifer	46.34	46.24	46.53	39.49	38.82	38.42	8.11	0.40
OW-22	Black Creek Aquifer	43.95	43.89	44.50	39.57	38.83	38.43	6.07	0.40
OW-23	Black Creek Aquifer	43.27	43.18	43.86	39.23	38.53	38.18	5.68	0.35
OW-25	Black Creek Aquifer	41.95	41.90	42.52	38.76	38.21	37.95	4.57	0.26
OW-32	Black Creek Aquifer	Well Installed August 2, 2023			38.55	38.58	38.65	N/A	0.07
OW-39	Black Creek Aquifer	Well Installed August 1, 2023			41.22	40.82	40.69	N/A	0.13
OW-44	Black Creek Aquifer	36.51	36.31	36.28	36.43	35.68	35.43	0.85	0.25
OW-45	Black Creek Aquifer	44.39	44.20	44.78	39.61	39.19	39.15	5.63	0.04
OW-46	Black Creek Aquifer	46.28	46.20	46.59	39.47	38.80	38.43	8.16	0.37
OW-47	Black Creek Aquifer	43.84	43.72	44.33	39.35	38.60	38.20	6.13	0.40
OW-48	Black Creek Aquifer	43.11	43.06	43.69	39.08	38.44	38.05	5.64	0.39
OW-49	Black Creek Aquifer	42.13	42.06	42.67	38.76	38.21	37.96	4.71	0.25
OW-50	Black Creek Aquifer	41.42	41.35	42.01	40.01	39.43	39.20	2.81	0.23
OW-52	Black Creek Aquifer	Well Installed August 2, 2023			39.06	38.34	37.91	N/A	0.43
OW-53	Black Creek Aquifer	Well Installed October 11, 2023			39.46	38.76	38.31	N/A	0.45
PIW-4D	Black Creek Aquifer	43.59	43.45	43.90	39.40	38.95	38.95	4.95	0.00
PIW-5S/5SR	Surficial Aquifer	59.70	59.52	58.82	Dry	Dry	Dry	N/A	N/A
PW-10R/10RR	Black Creek Aquifer	47.78	47.62	47.99	39.54	38.95	38.74	9.25	0.21
PIW-10DR	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			41.38	40.86	40.69	N/A	0.17
Median (Black Creek Aquifer wells)		43.84	43.72	43.90	39.47	38.81	38.43	5.64	0.26
Observation Wells >200 ft Downgradient of Barrier Wall: 14 Wells									
LTW-02	Black Creek Aquifer	42.97	42.80	43.50	39.39	38.99	38.97	4.53	0.02
LTW-03	Floodplain	38.05	37.93	39.27	37.75	37.03	37.05	2.22	0.02
LTW-05	Black Creek Aquifer	41.24	41.20	41.93	38.32	37.79	37.55	4.38	0.24
OW-16	Black Creek Aquifer	35.39	35.24	36.69	35.52	34.84	34.56	2.13	0.28
OW-27	Black Creek Aquifer	41.16	41.12	41.70	39.85	39.27	39.02	2.68	0.25
OW-28	Black Creek Aquifer	40.04	40.01	40.63	39.61	38.89	38.74	1.89	0.15
OW-30	Black Creek Aquifer	40.38	40.33	40.98	39.70	39.22	39.10	1.88	0.12
OW-33	Black Creek Aquifer	40.42	40.39	41.07	40.00	39.59	39.42	1.65	0.17
OW-40	Black Creek Aquifer	40.58	40.53	40.66	40.93	40.56	40.43	0.23	0.13
PIW-3D	Black Creek Aquifer	35.39	35.26	36.61	35.47	34.82	34.62	1.99	0.20
PIW-7S	Floodplain	42.28	42.16	43.03	38.72	37.87	37.57	5.46	0.30
PIW-7D	Black Creek Aquifer	43.18	43.10	43.78	39.28	38.61	38.23	5.55	0.38
PW-11	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			41.40	41.01	40.86	N/A	0.15
PZ-22	Black Creek Aquifer	43.24	43.15	43.81	39.22	38.58	38.15	5.66	0.43
Median (Black Creek Aquifer wells)		40.58	40.53	41.07	39.50	38.94	38.86	2.13	0.18

Table 6-1
Summary of Groundwater Level Information
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):		*Aug 1 (0.00)*	*Aug 14 (0.41)*	*Jan 27 (0.00)*	*Oct. 28 (0.00)*	*Nov. 23 (0.00)*	*Dec. 15 (0.00)*	**Most Recent Calculated Head Differential (feet, positive value indicates drawdown)**	**Change in Magnitude of Head Differential**
		Aug 2 (0.00)	*Aug 15 (0.09)*	*Jan 28 (0.00)*	*Oct. 29 (0.00)*	*Nov. 24 (0.00)*	*Dec. 16 (0.00)*		
		Aug 3 (0.00)	*Aug 16 (0.00)*	*Jan 29 (0.08)*	*Oct. 30 (0.00)*	*Nov. 25 (0.00)*	*Dec. 17 (0.00)*		
Well ID	**Aquifer**	**Groundwater Elevation from Water Level Gauging Events (feet, NAVD88)**							
		Baseline			**Monthly O&M**	**Monthly O&M**	**Monthly O&M**		
		August 4, 2022	**August 17, 2022**	**January 30, 2023**	**October 31, 2024**	**November 26, 2024**	**December 18, 2024**	**December 18, 2024 vs. January 30, 2023**	**December 18, 2024 vs. November 26, 2024**
Observation Wells >200 ft Upgradient of Barrier Wall/Willis Creek Alignments: 12 Wells									
BCA-01	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			80.05	80.30	80.43	N/A	0.13
BCA-02	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			Not Gauged	70.05	70.72	N/A	0.67
NAF-11B	Surficial Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			Dry	Dry	Dry	N/A	N/A
OW-59	Black Creek Aquifer	Well Installed November 5, 2024				49.70	49.79	N/A	0.09
PIW-2D	Black Creek Aquifer	58.08	57.94	57.64	57.29	57.24	57.25	0.39	0.01
PW-02	Surficial Aquifer	87.27	87.00	85.32	83.63	83.83	83.88	1.44	0.05
PW-03	Surficial Aquifer	104.95	104.87	104.39	Not Gauged	104.27	104.87	-0.48	0.60
PW-04	Surficial Aquifer	68.40	68.33	67.49	72.53	71.43	70.70	-3.21	0.73
PW-14	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			Not Gauged	81.29	82.47	N/A	1.18
PW-15R	Black Creek Aquifer	Not Gauged (Interim Remedy Location; Pump Removed by August 23, 2023)			69.49	69.72	69.84	N/A	0.12
SMW-03B	Black Creek Aquifer	89.92	89.71	87.73	86.63	86.73	86.83	0.90	0.10
SMW-09	Surficial Aquifer	82.14	82.03	80.43	81.48	81.50	81.43	-1.00	0.07
Median (Surficial Aquifer wells)		84.71	84.52	82.88	81.48	82.67	82.66	-0.74	0.34
Median (Black Creek Aquifer wells)		74.00	73.83	72.69	74.77	70.05	70.72	0.64	0.12

Notes:
1 - 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.
2 - Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
N/A - Not applicable
NAVD88 - North American Vertical Datum of 1988

Table 6-2
Summary of Willis Creek Water Elevation
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

			Willis Creek Stilling Well ID	WC-SW-1	WC-SW-2	WC-SW-3	WC-SW-4	WC-SW-5
			Northing (ft, NAD83)	400860.53	401024.41	401646.78	402016.63	401962.63
			Easting (ft, NAD83)	2051468.69	2051350.45	2051305.12	2050643.45	2050222.86
			Top of Casing Elevation (ft, NAVD88)	32.25	33.27	34.98	34.25	38.56
Antecedent Daily Total Rainfall (inches):			**Surface Water Elevation from Monthly Water Level Gauging Events (ft, NAVD88)**					
Oct. 27 (0.00)	Oct 28. (0.00)	Oct. 29 (0.00)	October 30, 2023	31.77	37.16	34.19	33.35	37.86
Nov. 25 (0.00)	Nov. 26 (0.06)	Nov. 27 (0.03)	November 28, 2023	30.93	35.28	33.38	31.6	36.06
Dec. 17 (3.34)	Dec. 18 (0.04)	Dec. 19 (0.00)	December 20, 2023	flooded	flooded	flooded	flooded	flooded
Jan. 28 (0.02)	Jan. 29 (0.00)	Jan. 30 (0.00)	January 31, 2024	flooded	flooded	flooded	31.82	35.99
Feb. 24 (0.01)	Feb. 25 (0.00)	Feb. 26 (0.01)	February 27, 2024	30.83	dry	33.28	32.3	36.74
Mar. 24 (0.00)	Mar. 25 (0.00)	Mar. 26 (0.00)	March 27, 2024	30.9	dry	33.35	32.43	36.86
Apr. 26 (0.00)	Apr.27 (0.00)	Apr. 28 (0.00)	April 29, 2024	30.9	dry	33.25	31.78	36.24
May 20 (0.00)	May 21 (0.00)	May 22 (0.00)	May 23, 2024	31.01	dry	33.31	31.85	36.39
Jun. 23 (0.00)	Jun.24 (0.00)	Jun. 25 (0.00)	June 26, 2024	30.53	dry	32.98	31.35	35.74
Jul. 28 (0.00)	Jul. 29 (0.40)	Jul. 30 (0.00)	July 31, 2024	flooded	flooded	flooded	flooded	flooded
Aug. 26 (0.00)	Aug. 27 (0.00)	Aug. 28 (0.00)	August 29, 2024	flooded	flooded	33.68	32.75	37.17
Sept. 21 (0.00)	Sept. 22 (0.00)	Sept. 23 (0.00)	September 24, 2024	flooded	flooded	33.68	32.7	37.22
Oct. 28 (0.00)	Oct. 29 (0.00)	Oct. 30 (0.00)	October 31, 2024	30.85	dry	33.46	32.03	36.49
Nov. 23 (0.00)	Nov. 24 (0.00)	Nov. 25 (0.00)	November 26, 2024	30.93	31.97	33.56	32.15	36.31
Dec. 15 (0.00)	Dec. 16 (0.00)	Dec. 17 (0.00)	December 18, 2024	31.4	32.12	33.47	32.1	36.28

Notes:

1 - Stilling wells were installed in Wills Creek in October 2023. The location of WC-SW-2 was modified in November 2024.

2 - Water level logging transducers are installed inside stilling wells WC-SW-1, WC-SW-3, and WC-SW-3.

ft - foot NAD83 - North American Datum of 1983 NAVD88 - North American Vertical Datum of 1988

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-01								LTW-02							
	CAP1Q23-LTW-01-021623	CAP2Q23-LTW-01-051723	CAP3Q23-LTW-01-071323	CAP4Q23-LTW-01-110323	CAP1Q24-LTW-01-011724	CAP2Q24-LTW-01-041524	CAP3Q24-LTW-01-072624	CAP4Q24-LTW-01-101024	CAP1Q23-LTW-02-021623	CAP2Q23-LTW-02-051723	CAP3Q23-LTW-02-071223	CAP4Q23-LTW-02-110323	CAP1Q24-LTW-02-011724	CAP2Q24-LTW-02-041524	CAP3Q24-LTW-02-071824	CAP4Q24-LTW-02-100824
	Sample Date: 16-Feb-23	Sample Date: 17-May-23	Sample Date: 13-Jul-23	Sample Date: 3-Nov-23	Sample Date: 17-Jan-24	Sample Date: 15-Apr-24	Sample Date: 26-Jul-24	Sample Date: 10-Oct-24	Sample Date: 16-Feb-23	Sample Date: 17-May-23	Sample Date: 12-Jul-23	Sample Date: 3-Nov-23	Sample Date: 17-Jan-24	Sample Date: 15-Apr-24	Sample Date: 18-Jul-24	Sample Date: 8-Oct-24
Hfpo Dimer Acid	**18,000**	**18,000**	**8,500**	**15,000**	**15,000**	**17,000**	**16,000**	**7,800**	**2,800**	**7,000**	**6,800 J**	**9,800**	**12,000**	**16,000**	**14,000**	**16,000**
PFMOAA	**23,000**	**21,000**	**27,000**	**24,000**	**12,000**	**14,000**	**20,000**	**7,500**	**9,300**	**17,000**	**31,000**	**27,000**	**32,000**	**24,000**	**31,000**	**36,000**
PFO2HxA	**23,000**	**21,000**	**28,000**	**25,000**	**17,000**	**19,000**	**20,000**	**13,000**	**4,800**	**10,000**	**22,000**	**21,000**	**28,000**	**21,000**	**22,000**	**26,000**
PFO3OA	**5,700**	**5,300**	**6,400**	**5,700**	**3,300**	**4,200**	**5,500**	**2,000**	**1,100**	**1,900**	**3,700**	**4,100**	**5,200**	**4,900**	**5,300**	**6,500**
PFO4DA	**1,300**	**1,500**	**1,600**	**1,300**	**950**	**1200**	**960**	**1,100**	**86**	**120**	**180**	**160**	**200**	**260**	**270**	**410**
PFO5DA	**170**	**170**	**200**	**210**	**140**	**160**	<130	**210**	<78	<78	<2.0	<100	<130	<130	<130	<130
PMPA	**16,000**	**16,000**	**19,000**	**18,000**	**15,000**	**14,000 J**	**13,000**	**7,400**	**1,800**	**5,700**	**11,000**	**11,000**	**14,000**	**13,000 J**	**13,000**	**15,000**
PEPA	**5,900**	**5,700**	**7,200**	**6,200**	**6,800**	**4,900**	**5,100**	**3,100**	**580**	**1,800**	**3,600**	**3,500**	**5,100**	**3,700**	**3,700**	**4,400**
PS Acid	<20	<20	<2.0	<40	<50	<50 UJ	<50	<50	<20	<20	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-PS Acid	**310**	**300**	**280**	**280**	**200**	**250**	**150**	**390**	<6.1	**15**	**17**	<44	<55	<55	<55	<55
R-PSDA	**960 J**	<71	**940 J**	**790 J**	**830 J**	**730 J**	**950 J**	**490 J**	<71	<71	**620 J**	**520 J**	**780 J**	**650 J**	**860 J**	**1,300 J**
Hydrolyzed PSDA	**560 J**	**690 J**	**760 J**	**590 J**	**83 J**	**530 J**	**570 J**	**90 J**	**270 J**	<38	**1,300 J**	**1,500 J**	**1,800 J**	**2,100 J**	**1,700 J**	**2,900 J**
R-PSDCA	<17	<17	**6.9**	<140	<180	<180	<180	<180	<17	<17	<3.0	<140	<180	<180	<180	<180
NVHOS, Acid Form	**390**	**440**	**320**	**430**	**270**	**330**	**350**	<160	**160**	**300**	**320**	**410**	**450**	**510**	**460**	**640**
EVE Acid	<17	<17	<2.0	<40	<50	<50 UJ	<50	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-EVE Acid	**160**	**140**	**150**	**140**	**51**	**110**	**100**	**72**	<14	**38**	**39**	**42**	<30	**75**	**74**	**110**
R-EVE	**550 J**	**580 J**	**560 J**	**530 J**	**310 J**	**760 J**	**560 J**	**170 J**	<72	<72	**260 J**	**410 J**	**440 J**	**900 J**	**650 J**	**880 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<2.0	<29	<36	<36	<36	<36	<6.7	<6.7	<2.0	<29	<36	<36	<36	<36
PFECA B	<27	<27	<2.0	<62	<78	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	<48	<2.0	<29	<36	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	**22,000**	**24,000**	**15,000**	**16,000**	**20,000**	**7,900**	--	--	**16,000**	**21,000**	**23,000**	**20,000**	**21,000**	**22,000**
Total Table 3+ (17 compounds)[2,3]	**93,900**	**89,600**	**98,700**	**96,300**	**70,700**	**75,200**	**81,200**	**42,600**	**20,600**	**43,900**	**78,700**	**77,000**	**97,000**	**83,400**	**89,800**	**105,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**121,000**	**120,000**	**85,700**	**91,200**	**101,000**	**50,500**	--	--	**94,700**	**98,000**	**120,000**	**103,000**	**111,000**	**127,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**123,000**	**122,000**	**86,900**	**93,200**	**103,000**	**51,200**	--	--	**96,800**	**100,000**	**123,000**	**107,000**	**114,000**	**132,000**

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.

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-03								LTW-04							
	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	CAP1Q24-LTW-03-013124 Sample Date: 31-Jan-24	CAP2Q24-LTW-03-041524 Sample Date: 15-Apr-24	CAP3Q24-LTW-03-072924 Sample Date: 29-Jul-24	CAP4Q24-LTW-03-101024 Sample Date: 10-Oct-24	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	CAP1Q24-LTW-04-011624 Sample Date: 16-Jan-24	CAP2Q24-LTW-04-041024 Sample Date: 10-Apr-24	CAP3Q24-LTW-04-072424 Sample Date: 24-Jul-24	CAP4Q24-LTW-04-100924 Sample Date: 9-Oct-24
Hfpo Dimer Acid	**11,000**	**10,000**	**8,600**	**5,800 J**	**7,800**	**11,000**	**9,800**	**7,600**	**18,000**	**19,000**	**9,800 J**	**17,000**	**17,000**	**21,000**	**20,000**	**14,000**
PFMOAA	**120,000**	**120,000**	**140,000 J**	**110,000 J**	**86,000**	**110,000**	**120,000**	**89,000**	**55,000**	**55,000**	**57,000 J**	**61,000**	**55,000**	**40,000**	**57,000**	**44,000**
PFO2HxA	**34,000**	**41,000**	**49,000 J**	**24,000 J**	**28,000**	**26,000**	**37,000**	**34,000**	**23,000**	**28,000**	**29,000**	**26,000**	**26,000**	**24,000**	**24,000**	**25,000**
PFO3OA	**5,800**	**6,700**	**7,600**	**5,900**	**3,800**	**6,100**	**6,000**	**5,100**	**4,400**	**5,200**	**5,200**	**5,300**	**5,100**	**4,100**	**5,500**	**3,400**
PFO4DA	**200**	**220**	**230**	**240**	**150**	**160**	**230**	**160**	**630**	**620**	**780**	**650**	**560**	**640**	**650**	**360**
PFO5DA	<78	<78	<2.0	<2.0	<130	<130	<130	<130	<78	<78	**26**	<100	<130	<130	<130	<130
PMPA	**14,000**	**15,000**	**16,000**	**18,000**	**11,000**	**13,000 J**	**16,000**	**12,000**	**17,000**	**16,000**	**20,000**	**17,000**	**16,000**	**16,000**	**18,000**	**12,000**
PEPA	**3,400**	**3,500**	**3,600**	**3,700**	**2,200**	**2,800**	**3,400**	**2,800**	**6,400**	**6,000**	**6,900**	**6,100**	**5,500**	**5,500**	**6,600**	**4,300**
PS Acid	<20	<20	<2.0	<2.0	<50 UJ	<50 UJ	<50	<50	<20	<20	**5**	<40	<50	<50	<50	<50
Hydro-PS Acid	<6.1	**28**	**26**	**26**	<55	<55	<55	**63**	**170**	**210**	**190**	**180**	**150**	**180**	**160**	**120**
R-PSDA	**1,000 J**	**950 J**	**900 J**	**870 J**	**770 J**	**760 J**	**1,000 J**	**630 J**	**2,000 J**	**1,700 J**	**1,700 J**	**1,700 J**	**1,400 J**	**2,300 J**	**2,000 J**	**1,200 J**
Hydrolyzed PSDA	**7,100 J**	**5,800 J**	**5,900 J**	**6,500 J**	**5,300 J**	**7,700 J**	**8,200 J**	**5,400 J**	**4,200 J**	**2,300 J**	**3,000 J**	**3,800 J**	**2,800 J**	**3,000 J**	**4,000 J**	**1,800 J**
R-PSDCA	<17	<17	<3.0	<3.0	<180	<180	<180	<180	<17	<17	**12**	<140	<180	<180	<180	<180
NVHOS, Acid Form	**1,300**	**1,300**	**1,900**	**1,400**	**1,100**	**1,200**	**1,400**	**990**	**1,300**	**1,200**	**1,400**	**1,100**	**1,200**	**1,000**	**1,300**	**890**
EVE Acid	<17	<17	<2.0	<2.0	<50 UJ	<50 UJ	<50	<50	<17	<17	<2.0	<40	<50	<50	<50	<50
Hydro-EVE Acid	**71**	**64**	**63**	**56**	**42**	**52**	**64**	**53**	**500**	**390**	**540**	**470**	**370**	**390**	**410**	**260**
R-EVE	**520 J**	**430 J**	**150 J**	**180 J**	**320 J**	**730 J**	**500 J**	**260 J**	**2,000 J**	**1,500 J**	**1,300 J**	**1,700 J**	**1,100 J**	**1,900 J**	**1,900 J**	**950 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	**6.1**	**6**	<36	<36	<36	<36	<6.7	<6.7	**8.2**	<29	<36	<36	<36	<36
PFECA B	<27	<27	<2.0	<2.0	<78	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	<48	<2.0	<2.0	<36	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	**62,000 J**	**61,000 J**	**47,000**	**52,000**	**41,000**	**36,000**	--	--	**53,000**	**48,000**	**43,000 J**	**39,000**	**47,000**	**35,000**
Total Table 3+ (17 compounds)[2,3]	**190,000**	**198,000**	**227,000**	**169,000**	**140,000**	**170,000**	**194,000**	**152,000**	**126,000**	**132,000**	**131,000**	**135,000**	**127,000**	**113,000**	**134,000**	**104,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**289,000**	**230,000**	**187,000**	**222,000**	**235,000**	**188,000**	--	--	**184,000**	**183,000**	**170,000**	**152,000**	**181,000**	**139,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**296,000**	**238,000**	**193,000**	**232,000**	**245,000**	**194,000**	--	--	**190,000**	**190,000**	**175,000**	**159,000**	**189,000**	**143,000**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-05								OW-28							
	CAP1Q23-LTW-05-021523	CAP2Q23-LTW-05-052223	CAP3Q23-LTW-05-071123	CAP4Q23-LTW-05-110223	CAP1Q24-LTW-05-011524	CAP2Q24-LTW-05-041024	CAP3Q24-LTW-5-072524	CAP4Q24-LTW-05-100924	CAP1Q23-OW-28-022023	CAP2Q23-OW-28-052523	CAP3Q23-OW-28-071123	CAP4Q23-OW-28-110223	CAP1Q24-OW-28-011824	CAP2Q24-OW-28-041624	CAP3Q24-OW-28-071824	CAP4Q24-OW-28-100824
	Sample Date: 15-Feb-23	Sample Date: 22-May-23	Sample Date: 11-Jul-23	Sample Date: 2-Nov-23	Sample Date: 15-Jan-24	Sample Date: 10-Apr-24	Sample Date: 25-Jul-24	Sample Date: 9-Oct-24	Sample Date: 20-Feb-23	Sample Date: 25-May-23	Sample Date: 11-Jul-23	Sample Date: 2-Nov-23	Sample Date: 18-Jan-24	Sample Date: 16-Apr-24	Sample Date: 18-Jul-24	Sample Date: 8-Oct-24
Hfpo Dimer Acid	**18,000**	**19,000 J**	**9,000**	**18,000**	**31,000**	**26,000**	**28,000**	**12,000**	**4,800**	**4,800**	**4,400**	**4,400**	**3,800**	**4,500**	**3,600**	**4,000**
PFMOAA	**120,000**	**130,000 J**	**120,000 J**	**170,000**	**200,000**	**140,000**	**170,000**	**73,000 J**	**1,500**	**1,900**	**1,600**	**1,600**	**1,600**	**1,100**	**1,500**	**1,600**
PFO2HxA	**36,000**	**48,000 J**	**41,000 J**	**58,000**	**68,000**	**57,000**	**63,000**	**27,000 J**	**2,500**	**3,500**	**3,400**	**3,100**	**3,300**	**2,400**	**2,200**	**2,500**
PFO3OA	**8,300**	**11,000 J**	**9,500**	**14,000**	**21,000**	**14,000**	**20,000**	**6,600 J**	**510**	**670**	**550**	**680**	**620**	**510**	**360**	**480**
PFO4DA	**2,100**	**2,100 J**	**2,000**	**1,900**	**2,300**	**1,900**	**1,800**	**1,000**	**110**	**83**	**94**	**120**	**85**	**76**	**89**	**110**
PFO5DA	<78	<78 UJ	<2.0	<100	<130	<130	<130	<130	<78	<78	<2.0	<100	<130	<130	<130	<130
PMPA	**4,000**	**4,600 J**	**4,200**	**5,500**	**9,200**	**5,600**	**6,400**	**2,900**	**5,000**	**6,400**	**5,200**	**6,000**	**5,700**	**4,600 J**	**4,600**	**4,400**
PEPA	**620**	**530 J**	**440**	**510**	**1,800**	**540**	**740**	**410 J**	**1,900**	**2,500**	**1,800**	**2,200**	**2,800**	**1,700**	**1,400**	**1,600**
PS Acid	<20	<20 UJ	<2.0	<40	<50	<50	<50	<50	<20	<20	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-PS Acid	**190**	**190 J**	**200**	**200**	**330**	**170**	**190**	**130**	**75**	**74**	**75**	**75**	**84**	**70**	**68**	**79**
R-PSDA	**490 J**	**670 J**	**500 J**	**950 J**	**1,300 J**	**1,200 J**	**1,300 J**	**690 J**	**340 J**	**310 J**	**250 J**	**230 J**	**280 J**	**210 J**	**230 J**	**360 J**
Hydrolyzed PSDA	**880 J**	**1,100 J**	**950 J**	**1,900 J**	**2,600 J**	**1,700 J**	**2,300 J**	**1,200 J**	<38	<38	**2.2 J**	<27 UJ	<34	<34	<34	<34
R-PSDCA	**19**	<17 UJ	**17**	<140	<180	<180	<180	<180	<17	<17	<3.0	<140	<180	<180	<180	<180
NVHOS, Acid Form	**1,100**	**1,300 J**	**1,000**	**1,500**	**2,100**	**1,400**	**1,900**	**880 J**	**110**	<15	**31**	<130	<160	<160	<160	<160
EVE Acid	<17	<17 UJ	<2.0	<40	<50	<50	<50	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-EVE Acid	**750**	**720 J**	**720**	**770**	**1,300**	**650**	**740**	**490 J**	<14	<14	**14**	<24	<30	<30	<30	<30
R-EVE	**610 J**	**760 J**	**610 J**	**1,200 J**	**1,500 J**	**1,500 J**	**1,600 J**	**800 J**	**190 J**	**180 J**	**380 J**	**140 J**	**120 J**	**230 J**	**130 J**	**160 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7 UJ	**11**	<29	<36	<36	<36	<36	<6.7	<6.7	<2.0	<29	<36	<36	<36	<36
PFECA B	<27	<27 UJ	<2.0	<62	<78	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	<48 UJ	<2.0	<29	<36	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	**83,000 J**	**120,000**	**120,000**	**100,000**	**85,000**	**44,000 J**	--	--	**5,200**	**5,500**	**6,500**	**4,000**	**4,000**	**4,100**
Total Table 3+ (17 compounds)[2,3]	**191,000**	**217,000**	**188,000**	**270,000**	**337,000**	**247,000**	**293,000**	**124,000**	**16,500**	**19,900**	**17,200**	**18,200**	**18,000**	**15,000**	**13,800**	**14,800**
Total Table 3+ (18 compounds)[2,4]	--	--	**271,000**	**390,000**	**457,000**	**347,000**	**378,000**	**168,000**	--	--	**22,400**	**23,700**	**24,500**	**19,000**	**17,800**	**18,900**
Total Table 3+ (21 compounds)[2,5]	--	--	**273,000**	**394,000**	**462,000**	**352,000**	**383,000**	**171,000**	--	--	**23,000**	**24,000**	**24,900**	**19,400**	**18,200**	**19,400**

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.

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)															
	OW-33								PIW-1D							
	CAP1Q23-OW-33-021423	CAP2Q23-OW-33-051823	CAP3Q23-OW-33-071223	CAP4Q23-OW-33-110223	CAP1Q24-OW-33-013024	CAP2Q24-OW-33-041624	CAP3Q24-OW-33-071624	CAP4Q24-OW-33-100824	CAP1Q23-PIW-1D-021623	CAP2Q23-PIW-1D-052323	CAP3Q23-PIW-1D-080223	CAP4Q23-PIW-1D-110723	CAP1Q24-PIW-1D-012224	CAP2Q24-PIW-1D-041524	CAP3Q24-PIW-1D-072324	CAP4Q24-PIW-1D-100824
	Sample Date: 14-Feb-23	Sample Date: 18-May-23	Sample Date: 12-Jul-23	Sample Date: 2-Nov-23	Sample Date: 30-Jan-24	Sample Date: 16-Apr-24	Sample Date: 16-Jul-24	Sample Date: 8-Oct-24	Sample Date: 16-Feb-23	Sample Date: 23-May-23	Sample Date: 2-Aug-23	Sample Date: 7-Nov-23	Sample Date: 22-Jan-24	Sample Date: 15-Apr-24	Sample Date: 23-Jul-24	Sample Date: 8-Oct-24
Hfpo Dimer Acid	**5,300**	**5,000**	**4,000**	**4,900**	**4,400**	**6,200**	**3,900**	**5,400**	**9,800**	**9,900**	**9,200 J**	**8,800**	**8,600**	**11,000**	**11,000**	**4,900**
PFMOAA	**7,900**	**8,400**	**11,000**	**9,800**	**7,700**	**6,500**	**9,100**	**8,700**	**12,000**	**12,000**	**11,000 J**	**9,900**	**10,000**	**7,500**	**9,900**	**3,200**
PFO2HxA	**4,700**	**4,300**	**6,500**	**5,900**	**3,800**	**4,500**	**5,000**	**4,700**	**8,800**	**11,000**	**9,900 J**	**12,000**	**9,800**	**8,400**	**9,900**	**4,200**
PFO3OA	**810**	**840**	**1,100**	**1,100**	**560**	**790**	**550**	**740**	**1,500**	**1,700**	**1,600**	**1,700**	**1,900**	**1,600**	**1,900**	**700**
PFO4DA	<59	<59	71	**66**	<50	<50	**39**	<50	**430**	**440**	**410**	**430**	**250**	**440**	**320**	**200**
PFO5DA	<78	<78	<2.0	<100	<130	<130	<2.0	<130	<78	<78	<100	<100	<130	<130	<130	<130
PMPA	**4,800**	**5,200**	**6,100**	**6,000**	**4,500**	**5,000 J**	**5,400**	**5,400**	**7,800**	**9,000**	**9,600 J**	**8,600**	**9,800**	**8,200 J**	**12,000**	**3,700**
PEPA	**2,000**	**1,800**	**2,300**	**2,200**	**1,300**	**1,700**	**1,800**	**1,800**	**2,600**	**3,000**	**3,200**	**3,100**	**3,700**	**2,900**	**3,500**	**1,200**
PS Acid	<20	<20	**8**	<40	<50 UJ	<50 UJ	<2.0	<50	<20	<20	<40	<40	<50	<50 UJ	<50	<50
Hydro-PS Acid	**29**	**53**	**43**	<44	<55	<55	**32**	<55	**87**	**98**	**86**	**76**	**95**	**77**	<55	**170**
R-PSDA	**280 J**	<71	**290 J**	**250 J**	**210 J**	**240 J**	**320 J**	**360 J**	**330 J**	**380 J**	**370 J**	**320 J**	**380 J**	**330 J**	**480 J**	**290 J**
Hydrolyzed PSDA	<38	<38	**58 J**	**61 J**	**38 J**	**48 J**	**100 J**	**62 J**	<38	<38	<27	<27	<34	<34	<34	<34
R-PSDCA	<17	<17	<3.0	<140	<180	<180	<3.0	<180	<17	<17	<140	<140	<180	<180	<180	<180
NVHOS, Acid Form	**170**	**240**	**130**	**140**	<160	<160	**120**	**160**	**190**	**160**	**150 J**	**140**	<160	<160	<160	<160
EVE Acid	<17	<17	<2.0	<40	<50 UJ	<50 UJ	<2.0	<50	<17	<17	<40	<40	<50	<50 UJ	<50	<50
Hydro-EVE Acid	<14	<14	**14**	<24	<30	<30	**11**	<30	**31**	<14	**29**	**28**	**32**	<30	<30	<30
R-EVE	**130 J**	<72	**220 J**	**170 J**	**140 J**	**300 J**	**330 J**	**230 J**	**190 J**	**200 J**	**280 J**	**220 J**	**180 J**	**390 J**	**350 J**	**150 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<2.0	<29	<36	<36	<2.0	<36	<6.7	<6.7	<29	<29	<36	<36	<36	<36
PFECA B	<27	<27	<2.0	<62	<78	<78	<2.0	<78	<27	<27	<62	<62	<78	<78	<78	<78
PFECA-G	<48	<48	<2.0	<29	<36	<36	<2.0	<36	<48	<48	<29	<29	<36	<36	<36	<36
PFPrA	--	--	**9,900**	**9,400**	**7,300**	**7,400**	**8,300**	**7,400**	--	--	**12,000 J**	**12,000**	**11,000**	**10,000**	**12,000**	**4,300**
Total Table 3+ (17 compounds)[2,3]	**25,700**	**25,800**	**31,300**	**30,100**	**22,300**	**24,700**	**26,000**	**26,900**	**43,200**	**47,300**	**45,200**	**44,800**	**44,200**	**40,100**	**48,500**	**18,300**
Total Table 3+ (18 compounds)[2,4]	--	--	**41,200**	**39,500**	**29,600**	**32,100**	**34,300**	**34,300**	--	--	**57,200**	**56,800**	**55,200**	**50,100**	**60,500**	**22,600**
Total Table 3+ (21 compounds)[2,5]	--	--	**41,700**	**40,000**	**29,900**	**32,700**	**35,000**	**35,000**	--	--	**57,800**	**57,300**	**55,700**	**50,800**	**61,400**	**23,000**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	PIW-1S								PIW-3D							
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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)**	**CAP1Q24-PIW-1S-011624** Sample Date: 16-Jan-24	**Not Sampled in 2Q 2024 (Dry)**	**Not Sampled in 3Q 2024 (Dry)**	**CAP4Q24-PIW-1S-100824** Sample Date: 8-Oct-24	**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	**CAP1Q24-PIW-3D-011824** Sample Date: 18-Jan-24	**CAP2Q24-PIW-3D-041524** Sample Date: 15-Apr-24	**CAP3Q24-PIW-3D-072324** Sample Date: 23-Jul-24	**CAP4Q24-PIW-3D-100824** Sample Date: 8-Oct-24
Hfpo Dimer Acid	**7,400**	--	--	--	**1,400**	--	--	**590**	**12,000**	**12,000**	**9,700**	**12,000**	**15,000**	**16,000**	**16,000**	**16,000**
PFMOAA	**2,000**	--	--	--	**390 J**	--	--	**280**	**9,400**	**8,500**	**13,000**	**19,000**	**25,000**	**11,000**	**18,000**	**17,000**
PFO2HxA	**4,700**	--	--	--	**1,200**	--	--	**910**	**12,000**	**10,000**	**16,000**	**19,000**	**27,000**	**15,000**	**20,000**	**19,000**
PFO3OA	**900**	--	--	--	**240**	--	--	**170**	**2,200**	**2,100**	**3,100**	**4,000**	**5,600**	**3,200**	**3,700**	**3,400**
PFO4DA	**440**	--	--	--	**110**	--	--	**130**	**940**	**800**	**890**	**1,200**	**1,800**	**860**	**1,500**	**1,000**
PFO5DA	<78	--	--	--	<130	--	--	<130	**130**	<78	**160**	**200**	**380**	<130	**130**	<130
PMPA	**4,400**	--	--	--	**1,100**	--	--	**320**	**9,500**	**8,800**	**12,000**	**13,000**	**16,000**	**13,000 J**	**13,000**	**14,000**
PEPA	**1,900**	--	--	--	**330**	--	--	**60**	**3,700**	**3,400**	**4,500**	**4,700**	**6,100**	**4,700**	**5,300**	**4,900**
PS Acid	<20	--	--	--	<50	--	--	<50	<20	<20	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-PS Acid	**210**	--	--	--	**230**	--	--	**230**	**240**	**200**	**240**	**290**	**340**	**200**	**250**	**280**
R-PSDA	<71	--	--	--	**110 J**	--	--	**150 J**	**520 J**	<71	**610 J**	**750 J**	**780 J**	**620 J**	**790 J**	**1,100 J**
Hydrolyzed PSDA	<38	--	--	--	<34	--	--	<34	<38	<38	**15 J**	**300 J**	**470 J**	**70 J**	**140 J**	**180 J**
R-PSDCA	<17	--	--	--	<180	--	--	<180	<17	<17	**4.7**	<140	<180	<180	<180	<180
NVHOS, Acid Form	<15	--	--	--	<160	--	--	<160	**190**	**290**	**170**	**310**	**360**	**200**	**280**	**270**
EVE Acid	<17	--	--	--	<50	--	--	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-EVE Acid	**62**	--	--	--	**30**	--	--	<30	**72**	**70**	**74**	**100**	**100**	**69**	**85**	**96**
R-EVE	**180 J**	--	--	--	<39	--	--	<39	**220 J**	<72	**280 J**	**420 J**	**390 J**	**550 J**	**420 J**	**510 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	--	--	--	<36	--	--	<36	<6.7	<6.7	<2.0	<29	<36	<36	<36	<36
PFECA B	<27	--	--	--	<78	--	--	<78	<27	<27	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	--	--	--	<36	--	--	<36	<48	<48	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	--	--	**1,300 J**	--	--	**660**	--	--	**19,000**	**21,000**	**22,000**	**16,000**	**21,000**	**17,000**
Total Table 3+ (17 compounds)[2,3]	**22,000**	--	--	--	**5,030**	--	--	**2,690**	**50,400**	**46,200**	**59,800**	**73,800**	**97,700**	**64,200**	**78,200**	**75,900**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**6,330**	--	--	**3,350**	--	--	**78,800**	**94,800**	**120,000**	**80,200**	**99,200**	**92,900**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**6,440**	--	--	**3,500**	--	--	**79,700**	**96,300**	**121,000**	**81,500**	**101,000**	**94,700**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs *LIST*[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)															
	PIW-7D								PIW-7S							
	CAP1Q23-PIW-7D-021523	CAP2Q23-PIW-7D-052223	CAP3Q23-PIW-7D-071123	CAP4Q23-PIW-7D-110223	CAP1Q24-PIW-7D-011524	CAP2Q24-PIW-7D-041524	CAP3Q24-PIW-7D-072324	CAP4Q24-PIW-7D-101024	CAP1Q23-PIW-7S-021523	CAP2Q23-PIW-7S-052223	CAP3Q23-PIW-7S-071123	CAP4Q23-PIW-7S-110223	CAP1Q24-PIW-7S-011524	CAP2Q24-PIW-7S-041024	CAP3Q24-PIW-7S-072424	CAP4Q24-PIW-7S-100924
	Sample Date: 15-Feb-23	Sample Date: 22-May-23	Sample Date: 11-Jul-23	Sample Date: 2-Nov-23	Sample Date: 15-Jan-24	Sample Date: 15-Apr-24	Sample Date: 23-Jul-24	Sample Date: 10-Oct-24	Sample Date: 15-Feb-23	Sample Date: 22-May-23	Sample Date: 11-Jul-23	Sample Date: 2-Nov-23	Sample Date: 15-Jan-24	Sample Date: 10-Apr-24	Sample Date: 24-Jul-24	Sample Date: 9-Oct-24
Hfpo Dimer Acid	**17,000**	**8,800 J**	**9,600 J**	**13,000**	**14,000**	**16,000**	**16,000**	**8,000**	**15,000**	**12,000 J**	**8,000**	**12,000**	**13,000**	**17,000**	**16,000**	**6,600**
PFMOAA	**140,000**	**130,000 J**	**140,000 J**	**150,000**	**150,000**	**110,000**	**120,000**	**54,000**	**18,000**	**16,000 J**	**15,000**	**17,000**	**17,000**	**120,000**	**16,000**	**5,700**
PFO2HxA	**47,000**	**37,000 J**	**42,000 J**	**43,000**	**38,000**	**35,000**	**35,000**	**21,000**	**13,000**	**12,000 J**	**11,000**	**12,000**	**13,000**	**40,000**	**12,000**	**5,000**
PFO3OA	**9,200**	**5,900 J**	**6,800**	**6,100**	**6,500**	**6,500**	**7,200**	**2,800**	**5,100**	**3,800 J**	**2,800**	**4,300**	**3,800**	**6,000**	**4,400**	**1,700**
PFO4DA	**1,700**	**1,100 J**	**890**	**1,000**	**870**	**950**	**860**	**410**	**660**	**440 J**	**350**	**420**	**400**	**880**	**560**	**200**
PFO5DA	<78	<78 UJ	<2.0	<100	<130	<130	<130	<130	<78	<78 UJ	**19**	<100	<130	<130	<130	<130
PMPA	**5,100**	**4,500 J**	**4,300**	**5,200**	**5,600**	**4,800 J**	**4,500**	**2,700**	**11,000**	**7,900 J**	**6,900**	**9,200**	**9,500**	**5,100**	**9,900**	**3,800**
PEPA	**1,100**	**950 J**	**950**	**1,000**	**1,100**	**1,000**	**1,100**	**490**	**4,500**	**3,300 J**	**2,500**	**3,400**	**3,800**	**980**	**4,000**	**1,400**
PS Acid	<20	<20 UJ	<2.0	<40	<50	<50 UJ	<50	<50	<20	<20 UJ	<2.0	<40	<50	<50	<50	<50
Hydro-PS Acid	**180**	**98 J**	**110**	**110**	**110**	**99**	**86**	<55	**340**	**270 J**	**220**	**250**	**230**	**85**	**310**	**170**
R-PSDA	**710 J**	**470 J**	**460 J**	**510 J**	**570 J**	**490 J**	**700 J**	**400 J**	**1,200 J**	**960 J**	**710 J**	**910 J**	**790 J**	**770 J**	**1,200 J**	**600 J**
Hydrolyzed PSDA	**1,200 J**	**740 J**	**890 J**	**1,100 J**	**1,100 J**	**1,400 J**	**1,200 J**	**800 J**	<38	**63 J**	**110 J**	**60 J**	**45 J**	**1,000 J**	**42 J**	<34
R-PSDCA	<17	<17 UJ	**7.3**	<140	<180	<180	<180	<180	<17	<17 UJ	**5.4**	<140	<180	<180	<180	<180
NVHOS, Acid Form	**1,200**	**990 J**	**1,100**	**1,200**	**1,300**	**1,100**	**1,100**	**690**	**830**	**630 J**	**520**	**690**	**680**	**1100**	**790**	**380**
EVE Acid	<17	<17 UJ	<2.0	<40	<50	<50 UJ	<50	<50	<17	<17 UJ	<2.0	<40	<50	<50	<50	<50
Hydro-EVE Acid	**610**	**330 J**	**360**	**360**	**320**	**310**	**260**	**150**	**650**	**460 J**	**360**	**430**	**360**	**280**	**500**	**240**
R-EVE	**870 J**	**550 J**	**560 J**	**680 J**	**540 J**	**1,600 J**	**790 J**	**510 J**	**1,400 J**	**1,000 J**	**820 J**	**1,200 J**	**880 J**	**890 J**	**1,400 J**	**680 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	**12**	<6.7 UJ	**8.5**	<29	<36	<36	<36	<36	<6.7	<6.7 UJ	**3.3**	<29	<36	<36	<36	<36
PFECA B	<27	<27 UJ	<2.0	<62	<78	<78	<78	<78	<27	<27 UJ	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	<48 UJ	<2.0	<29	<36	<36	<36	<36	<48	<48 UJ	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	**79,000 J**	**86,000**	**71,000 J**	**67,000**	**70,000**	**33,000**	--	--	**14,000**	**18,000**	**17,000 J**	**62,000**	**17,000**	**6,400**
Total Table 3+ (17 compounds)[2,3]	**223,000**	**190,000**	**206,000**	**221,000**	**218,000**	**176,000**	**186,000**	**90,200**	**69,100**	**56,800**	**47,700**	**59,700**	**61,800**	**191,000**	**64,500**	**25,200**
Total Table 3+ (18 compounds)[2,4]	--	--	**285,000**	**307,000**	**289,000**	**243,000**	**256,000**	**123,000**	--	--	**61,700**	**77,700**	**78,800**	**253,000**	**81,500**	**31,600**
Total Table 3+ (21 compounds)[2,5]	--	--	**287,000**	**309,000**	**291,000**	**246,000**	**259,000**	**125,000**	--	--	**63,300**	**79,900**	**80,500**	**256,000**	**84,100**	**32,900**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)															
	PW-04								PZ-22							
	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	CAP1Q24-PW-04-011724 Sample Date: 17-Jan-24	CAP2Q24-PW-04-042324 Sample Date: 23-Apr-24	CAP3Q24-PW-04-072624 Sample Date: 26-Jul-24	CAP4Q24-PW-04-100724 Sample Date: 7-Oct-24	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	CAP1Q24-PZ-22-011624 Sample Date: 16-Jan-24	CAP2Q24-PZ-22-041624 Sample Date: 16-Apr-24	CAP3Q24-PZ-22-072524 Sample Date: 25-Jul-24	CAP4Q24-PZ-22-100924 Sample Date: 9-Oct-24
Hfpo Dimer Acid	**730**	**980**	**950**	**670**	**1,000**	**670**	**760**	<190	**13,000**	**12,000**	**7,300 J**	**11,000**	**11,000**	**13,000**	**12,000**	**6,900**
PFMOAA	**300**	**490**	**380**	**300**	**370**	**220**	**240**	**160**	**140,000**	**150,000**	**140,000**	**170,000**	**150,000**	**120,000**	**140,000**	**65,000**
PFO2HxA	**640**	**1,100**	**1,000**	**930**	**1,000**	**660**	**750**	**460**	**38,000**	**49,000**	**50,000**	**47,000**	**42,000**	**34,000**	**47,000**	**22,000**
PFO3OA	**330**	**520**	**520**	**340**	**450**	**270**	**330**	**150**	**3,600**	**5,400**	**4,800**	**5,400**	**5,100**	**4,100**	**6,000**	**2,600**
PFO4DA	**63**	**95**	**120**	**100**	**110**	**95**	**73**	**170**	**120**	**270**	**240**	**210**	**220**	**330**	**350**	**170**
PFO5DA	<78	<78	<100	<100	<130	<130	<130	<130	<78	<78	<2.0	<100	<130	<130	<130	<130
PMPA	**860**	**1,200**	**1,200**	**950**	**1,400**	**890**	**900**	**480**	**5,000**	**6,200**	**6,100**	**6,700**	**6,300**	**6,000 J**	**5,800**	**3,500**
PEPA	**330**	**440**	**480**	**320**	**590**	**320**	**310**	**110**	**1,200**	**1,500**	**1,600**	**1,500**	**1,400**	**1,300**	**1,500**	**730**
PS Acid	<20	<20	<40	<40	<50	<50	<50	<50	<20	<20	**3.1**	<40	<50	<50 UJ	<50	<50
Hydro-PS Acid	**22**	<6.1	<44	<44	<55	<55	<55	**210**	**28**	**36**	**35**	<44	<55	<55	<55	<55
R-PSDA	**160 J**	**150 J**	**78 J**	<28	**130 J**	**82 J**	<35	**68 J**	**540 J**	**560 J**	**540 J**	**510 J**	**440 J**	**480 J**	**610 J**	**370 J**
Hydrolyzed PSDA	<38	<38	<27	<27	<34	<34	<34	<34	**890 J**	**1,000 J**	**1,100 J**	**1,600 J**	**1,100 J**	**1,500 J**	**1,600 J**	**1,100 J**
R-PSDCA	<17	<17	<140	<140	<180	<180	<180	<180	<17	<17	**3.2**	<140	<180	<180	<180	<180
NVHOS, Acid Form	<15	<15	<130	<130	<160	<160	<160	<160	**1,100**	**1,300**	**1,500**	**1,200**	**1,300**	**1,200**	**1,200**	**750**
EVE Acid	<17	<17	<40	<40	<50	<50	<50	<50	<17	<17	<2.0	<40	<50	<50 UJ	<50	<50
Hydro-EVE Acid	<14	<14	<24	<24	<30	<30	<30	<30	**46**	**84**	**79**	**73**	**73**	**98**	**96**	**59**
R-EVE	<72	**86 J**	**49 J**	**66 J**	**66 J**	**46 J**	<39	<39	**450 J**	**430 J**	**220 J**	**420 J**	**300 J**	**700 J**	**440 J**	**290 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<29	<29	<36	<36	<36	<36	<6.7	<6.7	**6.3**	<29	<36	<36	<36	<36
PFECA B	<27	<27	<62	<62	<78	<78	<78	<78	<27	<27	<2.0	<62	<78	<78	<78	<78
PFECA-G	<48	<48	<29	<29	<36	<36	<36	<36	<48	<48	<2.0	<29	<36	<36	<36	<36
PFPrA	--	--	**1,400**	**1,500**	**1,400**	**1,300**	**1,200**	**740**	--	--	**76,000**	**84,000**	**72,000 J**	**64,000**	**65,000**	**34,000**
Total Table 3+ (17 compounds)[2,3]	**3,280**	**4,830**	**4,650**	**3,610**	**4,920**	**3,130**	**3,360**	**1,740**	**202,000**	**226,000**	**212,000**	**243,000**	**217,000**	**180,000**	**214,000**	**102,000**
Total Table 3+ (18 compounds)[2,4]	--	--	**6,050**	**5,110**	**6,320**	**4,430**	**4,560**	**2,480**	--	--	**288,000**	**327,000**	**289,000**	**244,000**	**279,000**	**136,000**
Total Table 3+ (21 compounds)[2,5]	--	--	**6,180**	**5,180**	**6,520**	**4,550**	**4,560**	**2,550**	--	--	**290,000**	**330,000**	**291,000**	**247,000**	**282,000**	**137,000**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)								Performance Monitoring Plan Sampling Program (Semi-Annually)						
	SMW-12								OW-4R			OW-30			
	CAP1Q23-SMW-12-022323	CAP2Q23-SMW-12-051723	CAP3Q23-SMW-12-071823	CAP4Q23-SMW-12-110823	CAP1Q24-SMW-12-011624	CAP2Q24-SMW-12-041024	CAP3Q24-SMW-12-071624	CAP4Q24-SMW-12-101024	CAP3Q23-OW-4R-080423	CAP1Q24-OW-4R-012924	CAP3Q24-OW-4R-072424	CAP1Q23-OW-30-021523	CAP3Q23-OW-30-071323	CAP1Q24-OW-30-013024	CAP3Q24-OW-30-071624
	Sample Date: 23-Feb-23	Sample Date: 17-May-23	Sample Date: 18-Jul-23	Sample Date: 8-Nov-23	Sample Date: 16-Jan-24	Sample Date: 10-Apr-24	Sample Date: 16-Jul-24	Sample Date: 10-Oct-24	Sample Date: 4-Aug-23	Sample Date: 29-Jan-24	Sample Date: 24-Jul-24	Sample Date: 15-Feb-23	Sample Date: 13-Jul-23	Sample Date: 30-Jan-24	Sample Date: 16-Jul-24
Hfpo Dimer Acid	**1,500**	**1,900**	**2,200**	**1,900**	**1,900**	**2,300**	**2,300**	**2,400**	**11,000**	**9,400**	**11,000**	**9,500**	**6,200**	**5,900**	**8,200**
PFMOAA	**2,900**	**5,100**	**5,800**	**8,300**	**9,600**	**7,100**	**9,100**	**7,300**	**42,000**	**35,000**	**38,000**	**32,000**	**27,000**	**21,000**	**30,000**
PFO2HxA	**1,200**	**1,900**	**3,500**	**4,200**	**3,200**	**3,300**	**2,900**	**3,600**	**17,000**	**13,000**	**16,000**	**12,000**	**11,000**	**8,300**	**12,000**
PFO3OA	**78**	**150**	**230**	**420**	**490**	**370**	**320**	**340**	**5,400**	**3,100**	**5,600**	**2,100**	**1,700**	**1,300**	**1,500**
PFO4DA	<59	<59	<36	<40	<50	<50	<50	<50	**1,800**	**1,200**	**2,000**	<59	**8.9**	<50	<50
PFO5DA	<78	<78	<91	<100	<130	<130	<130	<130	<100	<130	<130	<78	<2.0	<130	<130
PMPA	**2,300**	**2,900**	**2,600**	**1,700**	**1,900**	**2,600**	**2,700**	**3,600**	**8,600**	**5,700**	**7,700**	**4,300**	**4,400**	**3,200**	**4,900**
PEPA	**460**	**550**	**620**	**340**	**300**	**400**	**410**	**800**	**2,700**	**1,900**	**2,200**	**1,300**	**1,300**	**900**	**1,200**
PS Acid	<20	<20	<36	<40	<50	<50	<50	<50	<40	<50 UJ	<50	<20	<2.0	<50 UJ	<50
Hydro-PS Acid	<6.1	<6.1	<40	<44	<55	<55	<55	<55	**290**	**250**	**280**	<6.1	<2.0	<55	<55
R-PSDA	**150 J**	<71	**87 J**	**76 B**	**65 J**	**99 J**	**71 J**	**84 J**	**760 J**	**570 J**	**790 J**	**460 J**	**330 J**	**340 J**	**500 J**
Hydrolyzed PSDA	<38	<38	<25	<27	<34	<34	<34	<34	**3,100 J**	**2,300 J**	**3,200 J**	**760 J**	**570 J**	**520 J**	**690 J**
R-PSDCA	<17	<17	<130	<140	<180	<180	<180	<180	<140	<180	<180	<17	<3.0	<180	<180
NVHOS, Acid Form	48	<15	<120	<130	<160	<160	<160	<160	**580**	**480**	**530**	**370**	**220**	**270**	**400**
EVE Acid	<17	<17	<36	<40	<50	<50	<50	<50	<40	<50 UJ	<50	<17	<2.0	<50 UJ	<50
Hydro-EVE Acid	<14	<14	<22	<24	<30	<30	<30	<30	**1,100**	**890**	**920**	**24**	**12**	<30	**47**
R-EVE	**97 J**	<72	**69 J**	**67 J**	**45 J**	**74 J**	**70 J**	**62 J**	**630 J**	**390 J**	**610 J**	**410 J**	**290 J**	**270 J**	**540 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<6.7	<26	<29	<36	<36	<36	<36	<29	<36	<36	<6.7	<2.0	<36	<36
PFECA B	<27	<27	<56	<62	<78	<78	<78	<78	<62	<78	<78	<27	<2.0	<78	<78
PFECA-G	<48	<48	<26	<29	<36	<36	<36	<36	<29	<36	<36	<48	<2.0	<36	<36
PFPrA	--	--	**5,900**	**7,000**	**6,400 J**	**5,900**	**6,500**	**5,500**	**25,000**	**21,000**	**23,000**	--	**19,000**	**16,000**	**21,000**
Total Table 3+ (17 compounds)[2,3]	**8,490**	**12,500**	**15,000**	**16,900**	**17,400**	**16,100**	**17,700**	**18,000**	**90,500**	**70,900**	**84,200**	**61,600**	**51,800**	**40,900**	**58,200**
Total Table 3+ (18 compounds)[2,4]	--	--	**20,900**	**23,900**	**23,800**	**22,000**	**24,200**	**23,500**	**115,000**	**91,900**	**107,000**	--	**70,800**	**56,900**	**79,200**
Total Table 3+ (21 compounds)[2,5]	--	--	**21,000**	**24,000**	**23,900**	**22,100**	**24,400**	**23,700**	**120,000**	**95,200**	**112,000**	--	**72,000**	**58,000**	**81,000**

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.

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.

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

ng/L - nanograms per liter

SOP - standard operating procedure

-- - No data reported

Table 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	Performance Monitoring Plan Sampling Program (Semi-Annually)																
	OW-32			OW-37			OW-40				OW-51			OW-54			
	CAP3Q23-OW-32-090823 Sample Date: 8-Sep-23	CAP1Q24-OW-32-012924 Sample Date: 29-Jan-24	CAP3Q24-OW-32-071824 Sample Date: 18-Jul-24	CAP3Q23-OW-37-081023 Sample Date: 10-Aug-23	CAP1Q24-OW-37-011724 Sample Date: 17-Jan-24	CAP3Q24-OW-37-071824 Sample Date: 18-Jul-24	CAP1Q23-OW-40-021523 Sample Date: 15-Feb-23	CAP3Q23-OW-40-071323 Sample Date: 13-Jul-23	CAP1Q24-OW-40-013024 Sample Date: 30-Jan-24	CAP3Q24-OW-40-071624 Sample Date: 16-Jul-24	CAP3Q23-OW-51-080323 Sample Date: 3-Aug-23	CAP1Q24-OW-51-013124 Sample Date: 31-Jan-24	CAP3Q24-OW-51-073024 Sample Date: 30-Jul-24	CAP1Q23-OW-54-021623 Sample Date: 16-Feb-23	Not Sampled in 3Q 2023 (Dry)	CAP1Q24-OW-54-020624 Sample Date: 6-Feb-24	Not Sampled in 3Q 2024 (Dry)
Hfpo Dimer Acid	**580**	**3200**	**4,900**	**4,000 J**	**290**	**12,000**	**5,200**	**3,300**	**3,400**	**3,000**	**33,000**	**11,000**	**16,000**	**4,500**	--	**740**	--
PFMOAA	**1,800**	**14,000**	**24,000**	**15,000 J**	**1,100**	**36,000**	**6,900**	**7,000**	**6,100**	**11,000**	**140,000**	**43,000**	**61,000**	**360**	--	**250**	--
PFO2HxA	**790**	**4500**	**11,000**	**5,900 J**	**690**	**11,000**	**4,200**	**4,700**	**3,200**	**4,100**	**64,000**	**19,000**	**28,000**	**2,600**	--	**690**	--
PFO3OA	**130**	**1200**	**1,800**	**2,600 J**	**260**	**3,000**	**1,100**	**1,400**	**650**	**870**	**23,000**	**6,500**	**7,400**	**410**	--	<110	--
PFO4DA	<40	100	**190**	**3,900 J**	**140**	**840**	**130**	**170**	**130**	**100**	**4,800**	**1,100**	**1,600**	**230**	--	**110**	--
PFO5DA	<100	<130	<130	**140 J**	**420**	<130	<78	<2.0	<130	<2.0	<100	<130	<130	<78	--	<130	--
PMPA	**260**	**1800**	**3,800**	**2,000 J**	**200**	**5,100**	**4,300**	**4,400**	**3,700**	**4,200**	**9,400**	**3,200**	**6,000**	**2,600**	--	**760**	--
PEPA	**83**	**460**	**1,000**	**580 J**	**79**	**1,600**	**1,600**	**1,900**	**1,100**	**1,100**	**1,900**	**720**	**1,600**	**1,000**	--	**200**	--
PS Acid	<40	<50 UJ	<50	<40 UJ	<50	<50	<20	<2.0	<50 UJ	<2.0	<40	<50 UJ	<50	<20	--	<50 UJ	--
Hydro-PS Acid	<44	<55	<55	**370 J**	**110**	**200**	**35**	**44**	<55	**32**	**660**	**150**	**140**	**120**	--	<55	--
R-PSDA	**44 J**	**220 J**	**390 J**	**1,500 J**	**100 J**	**560 J**	<71	**200 J**	**200 J**	**230 J**	**1,900 J**	**650 J**	**1,400 J**	<71	--	**78 J**	--
Hydrolyzed PSDA	**100 J**	**650 J**	**1,000 J**	**1,200 J**	**83 J**	**150 J**	**160 J**	**130 J**	**65 J**	**240 J**	**4,300 J**	**1,400 J**	**3,400 J**	<38	--	<34	--
R-PSDCA	<140	<180	<180	<140 UJ	<180	<180	<17	<3.0	<180	<3.0	<140	<180	<180	<17	--	<180	--
NVHOS, Acid Form	<130	**220**	**310**	**170 J**	<160	**490**	**130**	**90**	<160	**130**	**1,800**	**620**	**900**	<15	--	<160	--
EVE Acid	<40	<50 UJ	<50	<40 UJ	<50	<50	<17	<2.0	<50 UJ	<2.0	<40	<50 UJ	<50	<17	--	<50 UJ	--
Hydro-EVE Acid	<24	**70**	**150**	**120 J**	<30	**91**	**94**	**99**	**67**	**56**	**2,400**	**550**	**930**	<14	--	<30	--
R-EVE	**36 J**	**140 J**	**280 J**	**390 J**	<39	**290 J**	**170 J**	**240 J**	**100 J**	**300 J**	**2,600 J**	**700 J**	**1,700 J**	<72	--	**42 J**	--
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<36	<36	<29 UJ	<36	<36	<6.7	<2.0	<36	<2.0	<29	<36	<36	<6.7	--	<36	--
PFECA B	<62	<78	<78	<62 UJ	<78	<78	<27	<2.0	<78	<2.0	<62	<78	<78	<27	--	<78	--
PFECA-G	<29	<36	<36	<29 UJ	<36	<36	<48	<2.0	<36	<2.0	<29	<36	<36	<48	--	<36	--
PFPrA	**990**	**7200**	**11,000**	**8,200 J**	**1,800**	**19,000**	--	**5,700**	**5,400**	**7,300**	**92,000**	**31,000**	**30,000**	--	--	**1,400**	--
Total Table 3+ (17 compounds)[2,3]	**3,640**	**25,600**	**47,200**	**34,800**	**3,290**	**70,300**	**23,700**	**23,100**	**18,300**	**24,600**	**281,000**	**85,800**	**124,000**	**11,800**	--	**2,750**	--
Total Table 3+ (18 compounds)[2,4]	**4,630**	**32,800**	**58,200**	**43,000**	**5,090**	**89,300**	--	**28,800**	**23,700**	**31,900**	**373,000**	**117,000**	**154,000**	--	--	**4,150**	--
Total Table 3+ (21 compounds)[2,5]	**4,810**	**33,800**	**59,800**	**46,100**	**5,270**	**90,300**	--	**29,400**	**24,100**	**32,700**	**382,000**	**120,000**	**160,000**	--	--	**4,270**	--

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	Performance Monitoring Plan Sampling Program (Semi-Annually)														
	OW-55				OW-56				OW-57				PIW-4D		
	CAP1Q23-OW-55-021623	CAP3Q23-OW-55-072523	CAP1Q24-OW-55-020524	CAP3Q24-OW-55-071824	CAP1Q23-OW-56-022123	CAP3Q23-OW-56-073123	CAP1Q24-OW-56-020124	CAP3Q24-OW-56-072324	CAP1Q23-OW-57-021523	CAP3Q23-OW-57-073123	CAP1Q24-OW-57-020624	CAP3Q24-OW-57-072524	CAP3Q23-PIW-4D-071323	CAP1Q24-PIW-4D-012224	CAP3Q24-PIW-4D-072324
	Sample Date: 16-Feb-23	Sample Date: 25-Jul-23	Sample Date: 5-Feb-24	Sample Date: 18-Jul-24	Sample Date: 21-Feb-23	Sample Date: 31-Jul-23	Sample Date: 1-Feb-24	Sample Date: 23-Jul-24	Sample Date: 15-Feb-23	Sample Date: 31-Jul-23	Sample Date: 6-Feb-24	Sample Date: 25-Jul-24	Sample Date: 13-Jul-23	Sample Date: 22-Jan-24	Sample Date: 23-Jul-24
Hfpo Dimer Acid	**1,800**	**1,800**	**1,600**	**1,100**	**4,200**	**3,300**	**2,200**	**2,000**	**11,000**	**11,000**	**11,000**	**13,000**	**140**	**320**	**1,900**
PFMOAA	**220**	**300**	**550**	**660**	**350**	**520**	**420**	**530**	**130,000**	**130,000**	**130,000**	**140,000**	**1,300**	**1,900**	**8,200**
PFO2HxA	**690**	**940**	**820**	**790**	**1,800**	**2,100**	**1,300**	**1,500**	**36,000**	**37,000**	**37,000**	**43,000**	**470**	**1100**	**3,600**
PFO3OA	**58**	<89	<110	<110	**200**	**260**	**220**	**210**	**8,600**	**7,700**	**6,700**	**9,400**	**47**	**110**	**880**
PFO4DA	<59	<40	<50	<50	<59	<40	<50	<50	**1,100**	**1,000**	**1,000**	**1,200**	<2.0	5.3	**58**
PFO5DA	<78	<100	<130	<130	<78	<100	<130	<130	<78	<100	<130	<130	<2.0	<2.0	<130
PMPA	**2,800**	**3,800**	**1,800**	**1,200**	**2,600**	**2,800**	**1,500**	**1,400**	**22,000**	**21,000**	**16,000**	**20,000**	**150**	**290**	**1,600**
PEPA	**740**	**890**	**470**	**290**	**990**	**1,100**	**530**	**540**	**5,100**	**4,700**	**3,800**	**4,600**	**37**	**71**	**480**
PS Acid	<20	<40	<50 UJ	<50	<20	<40	<50 UJ	<50	**770**	**360**	**330 J**	**390**	<2.0	<2.0	<50
Hydro-PS Acid	<6.1	<44	<55	<55	**120**	**150**	**100**	**110**	**220**	**260**	**240**	**290**	<2.0	<2.0	<55
R-PSDA	<71	**140 J**	**100 J**	**100 J**	**310 J**	**150 J**	**140 J**	**150 J**	**970 J**	**1,200 J**	**1,200 J**	**1,500 J**	**8.9 J**	**20 J**	**140 J**
Hydrolyzed PSDA	<38	<27	<34	<34	<38	<27	<34	<34	**16,000 J**	**14,000 J**	**15,000 J**	**23,000 J**	**25 J**	**80 J**	**620 J**
R-PSDCA	<17	<140	<180	<180	<17	<140	<180	<180	**17**	<140	<180	<180	<3.0	<3.0	<180
NVHOS, Acid Form	<15	<130	<160	<160	**110**	<130	<160	<160	**2,000**	**2,400**	**2,200**	**2,400**	**11**	**19**	<160
EVE Acid	<17	<40	<50 UJ	<50	<17	<40	<50 UJ	<50	<17	<40	<50 UJ	<50	<2.0	<2.0	<50
Hydro-EVE Acid	<14	<24	<30	<30	<14	<24	<30	<30	**200**	**210**	**180**	**190**	<2.0	<2.0	<30
R-EVE	**160 J**	**180 J**	**85 J**	**63 J**	**190 J**	**120 J**	**110 J**	**120 J**	**240 J**	**180 J**	**210 J**	**290 J**	**6.2 J**	**12 J**	**97 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<29	<36	<36	<6.7	<29	<36	<36	<6.7	<29	<36	<36	<2.0	<2.0	<36
PFECA B	<27	<62	<78	<78	<27	<62	<78	<78	<27	<62	<78	<78	<2.0	<2.0	<78
PFECA-G	<48	<29	<36	<36	<48	<29	<36	<36	<48	<29	<36	<36	<2.0	<2.0	<36
PFPrA	--	**2,900**	**1,700**	**940**	--	**2,200**	**1,500**	**1,200**	--	**44,000**	**48,000**	**48,000**	**880**	**1300**	**4,900**
Total Table 3+ (17 compounds)[2,3]	**6,310**	**7,730**	**5,240**	**4,040**	**10,400**	**10,200**	**6,270**	**6,290**	**217,000**	**216,000**	**208,000**	**234,000**	**2,160**	**3,820**	**16,700**
Total Table 3+ (18 compounds)[2,4]	--	**10,600**	**6,940**	**4,980**	--	**12,400**	**7,770**	**7,490**	--	**260,000**	**256,000**	**282,000**	**3,040**	**5,120**	**21,600**
Total Table 3+ (21 compounds)[2,5]	--	**11,000**	**7,130**	**5,140**	--	**12,700**	**8,020**	**7,760**	--	**275,000**	**273,000**	**307,000**	**3,080**	**5,230**	**22,500**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)														
	PIW-5SR			PIW-6S			PIW-8D			PIW-10DR			PIW-10S		
	CAP3Q23-PIW-5SR-080423 Sample Date: 4-Aug-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP3Q23-PIW-6S-071223 Sample Date: 12-Jul-23	CAP1Q24-PIW-6S-013124 Sample Date: 31-Jan-24	CAP3Q24-PIW-6S-072924 Sample Date: 29-Jul-24	CAP3Q23-PIW-8D-071123 Sample Date: 11-Jul-23	CAP1Q24-PIW-8D-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-8D-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10DR-071423 Sample Date: 14-Jul-23	CAP1Q24-PIW-10DR-012224 Sample Date: 22-Jan-24	CAP3Q24-PIW-10DR-072524 Sample Date: 25-Jul-24	CAP3Q23-PIW-10S-071323 Sample Date: 13-Jul-23	Not Sampled in 1Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)
Hfpo Dimer Acid	**24,000**	--	--	**8,400**	**9,500**	**11,000**	**12,000 J**	**46,000**	**50,000**	**6,600**	**8,300**	**9,400**	**3,800**	--	--
PFMOAA	**44,000**	--	--	**150,000 J**	**100,000**	**120,000**	**72,000 J**	**190,000**	**180,000**	**51,000 J**	**31,000**	**27,000**	**3,700**	--	--
PFO2HxA	**28,000**	--	--	**61,000 J**	**29,000**	**39,000**	**34,000 J**	**110,000**	**86,000**	**19,000**	**14,000**	**12,000**	**4,400**	--	--
PFO3OA	**7,000**	--	--	**5,500**	**4,100**	**7,500**	**14,000**	**43,000**	**37,000**	**5,800**	**4,800**	**4,700**	**800**	--	--
PFO4DA	**2,200**	--	--	**200**	**180**	**240**	**2,300**	**5,300**	**9,200**	**1,500**	**930**	**1,000**	**340**	--	--
PFO5DA	**690**	--	--	<2.0	<130	<130	<2.0	<130	<130	**4**	<130	<130	**6.8**	--	--
PMPA	**32,000**	--	--	**16,000**	**11,000**	**14,000**	**8,600**	**19,000**	**15,000**	**6,600**	**6,700**	**4,900**	**4,500**	--	--
PEPA	**15,000**	--	--	**3,400**	**2,300**	**3,400**	**2,500**	**5,500**	**4,200**	**2,400**	**2,300**	**1,900**	**2,100**	--	--
PS Acid	**40**	--	--	<2.0	<50 UJ	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--
Hydro-PS Acid	**140**	--	--	**25**	<55	<55	**350**	**1200**	**980**	**210**	**200**	**180**	**67**	--	--
R-PSDA	**1,600 J**	--	--	**820 J**	**730 J**	**890 J**	**1,000 J**	**2,600 J**	**2,700 J**	**690 J**	**610 J**	**620 J**	**160 J**	--	--
Hydrolyzed PSDA	**1,700 J**	--	--	**4,100 J**	**4,300 J**	**5,900 J**	**2,600 J**	**5,300 J**	**5,100 J**	**2,700 J**	**2,300 J**	**2,300 J**	<2.0	--	--
R-PSDCA	<140	--	--	<3.0	<180	<180	**25**	<180	<180	**9.9**	<180	<180	<3.0	--	--
NVHOS, Acid Form	**640**	--	--	**1,800**	**1,300**	**1,300**	**1,100**	**2,500**	**2,400**	**390**	**390**	**350**	**62**	--	--
EVE Acid	<40	--	--	<2.0	<50 UJ	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--
Hydro-EVE Acid	**190**	--	--	**54**	**40**	**54**	**1,200**	**3,500**	**2,800**	**910**	**640**	**600**	**14**	--	--
R-EVE	**1,300 J**	--	--	**230 J**	**360 J**	**490 J**	**1,300 J**	**2,300 J**	**2,800 J**	**250 J**	**400 J**	**490 J**	**230 J**	--	--
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	--	--	**7.1**	<36	<36	**13**	<36	<36	**3.9**	<36	<36	<2.0	--	--
PFECA B	<62	--	--	<2.0	<78	<78	<2.0	<78	<78	<2.0	<78	<78	<2.0	--	--
PFECA-G	<29	--	--	<2.0	<36	<36	<2.0	<36	<36	<2.0	<36	<36	<2.0	--	--
PFPrA	**44,000**	--	--	**64,000 J**	**54,000**	**45,000**	**57,000**	**120,000**	**110,000**	**26,000**	**18,000**	**17,000**	**5,300**	--	--
Total Table 3+ (17 compounds)[2,3]	**154,000**	--	--	**246,000**	**157,000**	**196,000**	**148,000**	**426,000**	**388,000**	**94,400**	**69,300**	**62,000**	**19,800**	--	--
Total Table 3+ (18 compounds)[2,4]	**198,000**	--	--	**310,000**	**211,000**	**241,000**	**205,000**	**546,000**	**498,000**	**120,000**	**87,300**	**79,000**	**25,100**	--	--
Total Table 3+ (21 compounds)[2,5]	**203,000**	--	--	**316,000**	**217,000**	**249,000**	**210,000**	**556,000**	**508,000**	**124,000**	**90,600**	**82,400**	**25,500**	--	--

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.

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)											
	PIW-11			PIW-15			PW-10RR			PW-11		
	CAP3Q23-PIW-11-073123	CAP1Q24-PIW-11-020124	CAP3Q24-PIW-11-071824	CAP3Q23-PIW-15-072523	CAP1Q24-PIW-15-020524	CAP3Q24-PIW-15-090324	CAP3Q23-PW-10RR-080323	CAP1Q24-PW-10RR-013124	CAP3Q24-PW-10RR-073024	CAP3Q23-PW-11-070723	CAP1Q24-PW-11-013124	CAP3Q24-PW-11-072424
	Sample Date: 31-Jul-23	Sample Date: 1-Feb-24	Sample Date: 18-Jul-24	Sample Date: 25-Jul-23	Sample Date: 5-Feb-24	Sample Date: 3-Sep-24	Sample Date: 3-Aug-23	Sample Date: 31-Jan-24	Sample Date: 30-Jul-24	Sample Date: 7-Jul-23	Sample Date: 31-Jan-24	Sample Date: 24-Jul-24
Hfpo Dimer Acid	**3,500**	**1,400**	**3,400**	**7,800**	**8,200**	**9,200**	**6,700**	**4,000**	**3,600**	**6,900**	**6,800**	**8,800**
PFMOAA	**1,600**	**2,100**	**470**	**8,700**	**9,200**	**8,500**	**93,000**	**59,000**	**62,000**	**54,000 J**	**29,000**	**36,000**
PFO2HxA	**2,600**	**1,000**	**2,100**	**7,000**	**6,800**	**8,000**	**26,000**	**14,000**	**15,000**	**28,000**	**11,000**	**14,000**
PFO3OA	**420**	**230**	**290**	**1,200**	**1,300**	**1,200**	**1,300**	**410**	**510**	**7,300**	**5,000**	**8,800**
PFO4DA	**46**	<50	<50	**65**	**100**	**100**	<40	<50	<50	**4,500**	**4,200**	**7,300**
PFO5DA	<100	<130	<130	<100	<130	<130	<100	<130	<130	**1,600**	**1,300**	**1,900**
PMPA	**3,100**	**1,400**	**2,700**	**8,400**	**6,300**	**8,200**	**4,400**	**2,200**	**2,400**	**7,800**	**3,000**	**4,300**
PEPA	**1,000**	**320**	**770**	**2,400**	**1,900**	**2,500**	**590**	**150**	**190**	**2,200**	**910**	**1,500**
PS Acid	<40	<50 UJ	<50	<40	<50 UJ	<50	<40	<50 UJ	<50	**1,400**	**97 J**	**92**
Hydro-PS Acid	<44	<55	<55	<44	<55	<55	<44	<55	<55	**840**	**440**	**630**
R-PSDA	**240 J**	**230 J**	**190 J**	**250 J**	**190 J**	**180 J**	**180 J**	**84 J**	<35	**850 J**	**300 J**	**490 J**
Hydrolyzed PSDA	**1,500 J**	**2,800 J**	**43 J**	<27	<34	<34	**220 J**	**84 J**	**95 J**	**7,900 J**	**850 J**	**1,300 J**
R-PSDCA	<140	<180	<180	<140	<180	<180	<140	<180	<180	**24**	<180	<180
NVHOS, Acid Form	<130	<160	<160	**130**	<160	<160	**850**	**510**	**460**	**850**	**510**	**690**
EVE Acid	<40	<50 UJ	<50	<40	<50 UJ	<50	<40	<50 UJ	<50	**47**	<50 UJ	<50
Hydro-EVE Acid	<24	<30	<30	<24	<30	<30	<24	<30	<30	**620**	**240**	**350**
R-EVE	**130 J**	**77 J**	**130 J**	**200 J**	**130 J**	**150 J**	**240 J**	**120 J**	**120 J**	**360 J**	**110 J**	**200 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<29	<36	<36	<29	<36	<36	<29	<36	<36	<2.0	<36	<36
PFECA B	<62	<78	<78	<62	<78	<78	<62	<78	<78	<2.0	<78	<78
PFECA-G	<29	<36	<36	<29	<36	<36	<29	<36	<36	<2.0	<36	<36
PFPrA	**3,400**	**2,200**	**2,700**	**14,000**	**10,000**	**9,600**	**60,000**	**41,000**	**37,000**	**25,000**	**14,000**	**15,000**
Total Table 3+ (17 compounds)[2,3]	**12,300**	**6,450**	**9,730**	**35,700**	**33,800**	**37,700**	**133,000**	**80,300**	**84,200**	**116,000**	**62,500**	**84,400**
Total Table 3+ (18 compounds)[2,4]	**15,700**	**8,650**	**12,400**	**49,700**	**43,800**	**47,300**	**193,000**	**121,000**	**121,000**	**141,000**	**76,500**	**99,400**
Total Table 3+ (21 compounds)[2,5]	**17,500**	**11,800**	**12,800**	**50,100**	**44,100**	**47,600**	**193,000**	**122,000**	**121,000**	**150,000**	**77,800**	**101,000**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	Corrective Action Plan Sampling Program (Annually)							
	OW-59	PIW-12		PIW-13			PIW-14	
	CAP3Q24-OW-59-112024	CAP3Q23-PIW-12-072423	CAP3Q24-PIW-12-071824	CAP3Q23-PIW-13-072423	CAP3Q24-PIW-13-071824	CAP3Q24-PIW-13-080524	CAP3Q23-PIW-14-072423	CAP3Q24-PIW-14-080524
	Sample Date: 20-Nov-24	Sample Date: 24-Jul-23	Sample Date: 18-Jul-24	Sample Date: 24-Jul-23	Sample Date: 18-Jul-24	Sample Date: 5-Aug-24	Sample Date: 24-Jul-23	Sample Date: 5-Aug-24
Hfpo Dimer Acid	**1,900**	**1,800**	**1,400**	**3,100**	**4,600**	**4,400**	**6,200**	**6,100**
PFMOAA	**9,800**	**490**	**530**	**520**	**570**	**510**	**1,000**	**1,500**
PFO2HxA	**3,400**	**1,200**	**900**	**2,100**	**3,300**	**2,400**	**3,800**	**3,900**
PFO3OA	**620**	**190**	**130**	**250**	**300**	**310**	**520**	**570**
PFO4DA	**70**	**41**	<50	<40	58	**53**	160	**160**
PFO5DA	<130	<100	<130	<100	<130	<130	<100	<130
PMPA	**1,900**	**2,300**	**1,600**	**4,200**	**3,800**	**3,600**	**5,000**	**4,800**
PEPA	**410**	**640**	**330**	**1,100**	**1,200**	**1,200**	**1,600**	**1,500**
PS Acid	<50	<40	<50	<40	<50	<50	<40	<50
Hydro-PS Acid	<55	<44	<55	<44	<55	<55	<44	<55
R-PSDA	**81**	**130 J**	**75 J**	**260 J**	**340 J**	**230 J**	**310 J**	**280 J**
Hydrolyzed PSDA	**450**	<27	<34	<27	<34	<34	<27	<34
R-PSDCA	<180	<140	<180	<140	<180	<180	<140	<180
NVHOS, Acid Form	<160	<130	<160	<130	<160	<160	<130	<160
EVE Acid	<50	<40	<50	<40	<50	<50	<40	<50
Hydro-EVE Acid	<30	<24	<30	<24	<30	<30	<24	<30
R-EVE	**48**	**130 J**	**57 J**	**260 J**	**230 J**	**230 J**	**230 J**	**240 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<36	<29	<36	<29	<36	<36	<29	<36
PFECA B	<78	<62	<78	<62	<78	<78	<62	<78
PFECA-G	<36	<29	<36	<29	<36	<36	<29	<36
PFPrA	**4,100**	**2,800**	**1,400**	**4,600**	**3,300**	**2,900**	**6,700**	**4,600**
Total Table 3+ (17 compounds)[2,3]	**18,100**	**6,660**	**4,890**	**11,300**	**13,800**	**12,500**	**18,300**	**18,500**
Total Table 3+ (18 compounds)[2,4]	**22,200**	**9,460**	**6,290**	**15,900**	**17,100**	**15,400**	**25,000**	**23,100**
Total Table 3+ (21 compounds)[2,5]	**22,779**	**9,720**	**6,420**	**16,400**	**17,700**	**15,800**	**25,500**	**23,700**

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.
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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-01								**LTW-02**							
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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	**CAP1Q24-LTW-01-011724** Sample Date: 17-Jan-24	**CAP2Q24-LTW-01-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-01-072624** Sample Date: 26-Jul-24	**CAP4Q24-LTW-01-101024** Sample Date: 10-Oct-24	**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	**CAP1Q24-LTW-02-011724** Sample Date: 17-Jan-24	**CAP2Q24-LTW-02-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-02-071824** Sample Date: 18-Jul-24	**CAP4Q24-LTW-02-100824** Sample Date: 8-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84	<84	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58	<58	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180	<180	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310	<310	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50	<50	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160	<160	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110	<110	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54	<54	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150	<150	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	**4.2**	**4.7 J**	**3.6**	<20	<25	<25	<25	<25	<2.0	<2.0 UJ	<2.0	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**170**	**110 J**	**120**	<240	<300	<300	<300	<300	**30**	**61 J**	**86**	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39	<39	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69	<69	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24	<24	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**46**	**48 J**	**44**	**47 J**	**40**	**42**	**41**	**34**	**4.7**	**11 J**	**11**	<25	<31	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	**6**	**6.3 J**	**5.2**	<57	<71	<71	<71	<71	<2.0	<2.0 UJ	<2.0	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**22**	**23 J**	**23**	<58	<73	<73	<73	<73	**3.3**	**8.4 J**	**11**	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46	<46	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	**2.3 J**	<2.0	<27	<34	<34	<34	<34	<2.0	<2.0 UJ	<2.0	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120	<120	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38	<38	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**320**	**250 J**	**260**	**330**	**220**	**310**	**280**	**150**	**99**	**190 J**	**250**	**300**	**320**	**370**	**390**	**380**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91	<91	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160	<160	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140	<140	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140	<140
PFOA	**41**	**49 J**	**39**	<85	<110	<110	<110	<110	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110	<110
PFOS	**9.9 J**	**22 J**	**11 J**	<54	<68	<68	<68	<68	<2.0	<2.0 UJ	<2.0	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-03								**LTW-04**							
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**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: 12-Jul-23	**CAP1Q24-LTW-03-013124** Sample Date: 31-Jan-24	**CAP2Q24-LTW-03-041524** Sample Date: 15-Apr-24	**CAP3Q24-LTW-03-072924** Sample Date: 29-Jul-24	**CAP4Q24-LTW-03-101024** Sample Date: 10-Oct-24	**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	**CAP1Q24-LTW-04-011624** Sample Date: 16-Jan-24	**CAP2Q24-LTW-04-041024** Sample Date: 10-Apr-24	**CAP3Q24-LTW-04-072424** Sample Date: 24-Jul-24	**CAP4Q24-LTW-04-100924** Sample Date: 9-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<84	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<2.0	<58	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<2.0	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<4.0	<180	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<310	<310	<310	<310	<5.0	<5.0	<5.0	<250	<310	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<2.0	<50	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<160	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<110	<110 UJ	<110	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<54	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<150	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<25	<25	<25	<25	<2.0	**2.2**	<2.0	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**130**	**120**	**130**	**120**	<300	<300	<300	<300	**310**	**230**	**290**	**330**	<300	**380**	**320**	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<39	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<120	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<69	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<24	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**26**	**28**	**25**	**24**	<31	<31	<31	<31	**66**	**52**	**60**	**60**	**68**	**53**	**58**	**42**
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<71	<71	<71	<71	<2.0	**3.3**	<2.0	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**16**	**17**	**16**	**17**	<73	<73	<73	<73	**35**	**33**	**34**	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<46	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<34	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<120 UJ	<120	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<120	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<38	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**600**	**690**	**750**	**610**	**560 J**	**640**	**640**	**490**	**1,200**	**1,100**	**1,400**	**1,200**	**1,100**	**1,300**	**1,200**	**1,100**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<91	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<160	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<140	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140	<140
PFOA	<2.0	<2.0	<2.0	<2.0	<110	<110	<110	<110	**10**	**11**	**10**	<85	<110	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<2.0	<68	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	LTW-05								**OW-28**							
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**CAP1Q23-LTW-05-021523** Sample Dste: 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	**CAP1Q24-LTW-05-011524** Sample Date: 15-Jan-24	**CAP2Q24-LTW-05-041024** Sample Date: 10-Apr-24	**CAP3Q24-LTW-5-072524** Sample Date: 25-Jul-24	**CAP4Q24-LTW-05-100924** Sample Date: 9-Oct-24	**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	**CAP4Q23-OW-28-011824** Sample Date: 18-Jan-24	**CAP2Q24-OW-28-041624** Sample Date: 16-Apr-24	**CAP3Q24-OW-28-071824** Sample Date: 18-Jul-24	**CAP4Q24-OW-28-100824** Sample Date: 8-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<250	<310	<310	<310	<310	<5.0	<5.0	<5.0	<250	**880**	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<20	<25	<25	<25	<25	<2.0	**2**	<2.0	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**230**	**170**	**170**	**270**	**420**	**340**	**320**	<300	**51**	**51**	**46**	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**210**	**200**	**210**	**250**	**310**	**260**	**270**	**140 J**	**7.2**	**7.3**	**6.5**	<25	<31	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<57	<71	<71	<71	<71	<2.0	<2.0	<2.0	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**38**	**52**	**43**	**66**	**99**	**110**	<73	<73	**9.9**	**12**	**9.1**	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<27	<34	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**1,300**	**1,700**	**1,600**	**2,300**	**2,700**	**2,300**	**2,600**	**1,200 J**	**68**	**75**	**73**	**49**	**69**	**79**	**66**	<61
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<110	<140	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140	<140
PFOA	**4.1**	**4.1**	**2.1**	<85	<110	<110	<110	<110	**4.3**	**4**	**3.3**	<85	<110	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<54	<68	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	OW-33								PIW-1D							
METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	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	CAP1Q24-OW-33-013024 Sample Date: 30-Jan-24	CAP2Q24-OW-33-041624 Sample Date: 16-Apr-24	CAP3Q24-OW-33-071624 Sample Date: 16-Jul-24	CAP4Q24-OW-33-100824 Sample Date: 8-Oct-24	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	CAP1Q24-PIW-1D-012224 Sample Date: 22-Jan-24	CAP2Q24-PIW-1D-041524 Sample Date: 15-Apr-24	CAP3Q24-PIW-1D-072324 Sample Date: 23-Jul-24	CAP4Q24-PIW-1D-100824 Sample Date: 8-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<2.0	<84	<2.0	<2.0	<67	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<2.0	<40	<2.0	<2.0	<32	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<2.0	<58	<2.0	<2.0	<46	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<2.0	<30	<2.0	<2.0	<24 UJ	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<2.0	<110	<2.0	<2.0	<85	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<4.0	<180	<4.0	<4.0	<140	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<5.0	<310	<5.0	<5.0	<250	<250	**1,200**	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<2.0	<30	<2.0	<2.0	<24	<24	<30	<30	<30	<30
DONA	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<2.0	<50	<2.0	<2.0	<40	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<5.0	<160	<5.0	<5.0	<130	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<2.0	<110	<2.0	<2.0	<87 UJ	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<2.0	<54	<2.0	<2.0	<43	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<5.0	<150	<5.0	<5.0	<120	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<20	<25	<25	<2.0	<25	<2.0	<2.0	<20	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**45**	**60 J**	**62**	<240	<300	<300	**62**	<300	**83**	**59**	<240	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<2.0	<40	<2.0	<2.0	<32	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<2.0	<39	<2.0	<2.0	<31	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<2.0	<120	<2.0	<2.0	<97	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<2.0	<69	<2.0	<2.0	<55	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<2.0	<24	<2.0	<2.0	<19	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**5.6**	**7.6 J**	**7.1**	<25	<31	<31	**6.3**	<31	**16**	**19**	<25	<25	<31	<31	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<2.0	<110	<2.0	<2.0	<89	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0 UJ	<2.0	<57	<71	<71	<2.0	<71	<2.0	<2.0	<57	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**7.8**	**10 J**	**10**	<58	<73	<73	**8.8**	<73	**9.5**	**11**	<58	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<2.0	<46	<2.0	<2.0	<37	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0 UJ	<2.0	<27	<34	<34	<2.0	<34	<2.0	<2.0	<27	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<2.0	<94 UJ	<120	<120	<2.0	<120	<2.0	<2.0	<94	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<2.0	<120	<2.0	<2.0	<98	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<2.0	<38	<2.0	<2.0	<30	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**93**	**120 J**	**130**	**140**	**120 J**	**130**	**110**	**130**	**150**	**140**	**160**	**150**	**150**	**150**	**160**	<61
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<2.0	<91	<2.0	<2.0	<73	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<2.0	<160	<2.0	<2.0	<130	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<2.0	<140	<2.0	<2.0	<110	<110	<140	<140	<140	<140
PFOA	<2.0	**2.2 J**	<2.0	<85	<110	<110	<2.0	<110	**18**	**19**	<85	<85	<110	<110	<110	<110
PFOS	<2.0	<2.0 UJ	<2.0	<54	<68	<68	<2.0	<68	<2.0	<2.0	<54	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Mass Loading Assessment Sampling Program (Quarterly)															
	PIW-1S								PIW-3D							
	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)	CAP1Q24-PIW-1S-011624 Sample Date: 16-Jan-24	Not Sampled in 2Q 2024 (Dry)	Not Sampled in 3Q 2024 (Dry)	CAP4Q24-PIW-1S-100824 Sample Date: 8-Oct-24	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	CAP1Q24-PIW-3D-011824 Sample Date: 18-Jan-24	CAP2Q24-PIW-3D-041524 Sample Date: 15-Apr-24	CAP3Q24-PIW-3D-072324 Sample Date: 23-Jul-24	CAP4Q24-PIW-3D-100824 Sample Date: 8-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	--	--	--	<84	--	--	<84	<2.0	<2.0 UJ	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	--	--	--	<40	--	--	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	--	--	--	<58	--	--	<58	<2.0	<2.0 UJ	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	--	--	--	<30	--	--	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	--	--	--	<110	--	--	<110	<2.0	<2.0 UJ	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	--	--	--	<180	--	--	<180	<4.0	<4.0 UJ	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	--	--	--	<310	--	--	<310	<5.0	<5.0 UJ	<5.0	<250	<310	<310	<310	<310
9Cl-PF3ONS	<2.0	--	--	--	<30	--	--	<30	<2.0	<2.0 UJ	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	--	--	--	<50	--	--	<50	<2.0	<2.0 UJ	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<160	--	--	<160	<5.0	<5.0 UJ	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	--	--	--	<110	--	--	<110	<2.0	<2.0 UJ	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	--	--	--	<54	--	--	<54	<2.0	<2.0 UJ	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	--	--	--	<150	--	--	<150	<5.0	<5.0 UJ	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	--	--	--	<25	--	--	<25	**2.2**	**2.1 J**	**2.3**	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**51**	--	--	--	<300	--	--	<300	**110**	**73 J**	**79**	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	--	--	--	<40	--	--	<40	<2.0	<2.0 UJ	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	--	--	--	<39	--	--	<39	<2.0	<2.0 UJ	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	--	--	--	<120	--	--	<120	<2.0	<2.0 UJ	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	--	--	--	<69	--	--	<69	<2.0	<2.0 UJ	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	--	--	--	<24	--	--	<24	<2.0	<2.0 UJ	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**18**	--	--	--	<31	--	--	<31	**32**	**32 J**	**33**	**49**	**44**	<31	**31**	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	--	--	--	<110	--	--	<110	<2.0	<2.0 UJ	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	**8.6**	--	--	--	<71	--	--	<71	**3.4**	**3.5 J**	**3.7**	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**7.7**	--	--	--	<73	--	--	<73	**15**	**14 J**	**16**	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	--	--	--	<46	--	--	<46	<2.0	<2.0 UJ	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	**4.1**	--	--	--	<34	--	--	<34	**5.2**	**4.8 J**	**5**	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	--	--	--	<120	--	--	<120	<2.0	<2.0 UJ	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	--	--	--	<120	--	--	<120	<2.0	<2.0 UJ	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	--	--	--	<38	--	--	<38	<2.0	<2.0 UJ	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**78**	--	--	--	<61	--	--	<61	**150**	**150 J**	**150**	**190**	**250**	**210**	**220**	**210**
Perfluorotetradecanoic Acid	<2.0	--	--	--	<91	--	--	<91	<2.0	<2.0 UJ	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	--	--	--	<160	--	--	<160	<2.0	<2.0 UJ	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	--	--	--	<140	--	--	<140	<2.0	<2.0 UJ	<2.0	<110	<140	<140	<140	<140
PFOA	**69**	--	--	--	<110	--	--	<110	**44**	**43 J**	**42**	<85	<110	<110	<110	<110
PFOS	**22**	--	--	--	<68	--	--	<68	**15**	**14 J**	**14**	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	PIW-7D								**PIW-7S**							
METHOD 537 MOD SOP COMPOUNDs LIST*[1] *(ng/L)	**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	**CAP1Q24-PIW-7D-011524** Sample Date: 15-Jan-24	**CAP2Q24-PIW-7D-041524** Sample Date: 15-Apr-24	**CAP3Q24-PIW-7D-072324** Sample Date: 23-Jul-24	**CAP4Q24-PIW-7D-101024** Sample Date: 10-Oct-24	**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	**CAP1Q24-PIW-7S-011524** Sample Date: 15-Jan-24	**CAP2Q24-PIW-7S-041024** Sample Date: 10-Apr-24	**CAP3Q24-PIW-7S-072424** Sample Date: 24-Jul-24	**CAP4Q24-PIW-7S-100924** Sample Date: 9-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<250	<310	13,000	<310	<310	<5.0	<5.0	<5.0	<250	<310	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	<2.0	<20	<25	<25	<25	<25	**3.6**	**2.8**	**2.5**	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**290**	**150**	**160**	<240	<300	<300	<300	<300	**210**	**120**	**100**	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**140**	**81**	**85**	**97**	**100**	**110**	**70**	**35**	**71**	**52**	**41**	**61**	**56**	**88**	**73**	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<57	<71	<71	<71	<71	**4.1**	**3.5**	**3**	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**49**	**33**	**30**	<58	<73	75 J	<73	<73	**30**	**26**	**19**	<58	<73	**74**	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<27	<34	2,100	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**1,500**	**1,300**	**1,400**	**1,500**	**1,300**	**1,400**	**1,300**	**720**	**630**	**530**	**470**	**620**	**580**	**1,300**	**580**	**250**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<110	<140	530	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140	<140
PFOA	**4.5**	**2.9**	**2**	<85	<110	<110	<110	<110	**17**	**14**	**9.6**	<85	<110	<110	<110	<110
PFOS	<2.0	<2.0	<2.0	<54	<68	<68	<68	<68	**6.4 J**	**5.4 J**	<2.0	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)															
	PW-04								**PZ-22**							
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**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	**CAP1Q24-PW-04-011724** Sample Date: 17-Jan-24	**CAP2Q24-PW-04-042324** Sample Date: 23-Apr-24	**CAP3Q24-PW-04-072624** Sample Date: 26-Jul-24	**CAP4Q24-PW-04-100724** Sample Date: 7-Oct-24	**CAP1Q23-PZ-22-022023** Sample Date: 22-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	**CAP1Q24-PZ-22-011624** Sample Date: 16-Jan-24	**CAP2Q24-PZ-22-041624** Sample Date: 16-Apr-24	**CAP3Q24-PZ-22-072524** Sample Date: 25-Jul-24	**CAP4Q24-PZ-22-100924** Sample Date: 9-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<67	<67	<84	<84	<84	<84	<2.0	<2.0	<2.0	<67	<84	<84	<84	<84
11Cl-PF3OUdS	<2.0	<2.0	<32	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0	<46	<46	<58	<58	<58	<58	<2.0	<2.0	<2.0	<46	<58	<58	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0	<24	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<85	<85	<110	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0	<140	<140	<180	<180	<180	<180	<4.0	<4.0	<4.0	<140	<180	<180	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<250	<250	<310	<310	<310	<310	<5.0	<5.0	<5.0	<250	<310 UJ	<310	<310	<310
9Cl-PF3ONS	<2.0	<2.0	<24	<24	<30	<30	<30	<30	<2.0	<2.0	<2.0	<24	<30	<30	<30	<30
DONA	<2.0	<2.0	<40	<40	<50	<50	<50	<50	<2.0	<2.0	<2.0	<40	<50	<50	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<130	<130	<160	<160	<160	<160	<5.0	<5.0	<5.0	<130	<160	<160	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<87	<87	<110	<110	<110	<110	<2.0	<2.0	<2.0	<87	<110	<110 UJ	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<43	<43	<54	<54	<54	<54	<2.0	<2.0	<2.0	<43	<54	<54	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<120	<120	<150	<150	<150	<150	<5.0	<5.0	<5.0	<120	<150	<150	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0	**32**	<20	<25	<25	<25	<25	<2.0	<2.0	<2.0	<20	<25	<25	<25	<25
Perfluorobutanoic Acid	**8.3**	**10**	<240	<240	<300	<300	<300	<300	**120**	**110**	**120**	<240	<300	<300	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<32	<32	<40	<40	<40	<40	<2.0	<2.0	<2.0	<32	<40	<40	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0	<31	<31	<39	<39	<39	<39	<2.0	<2.0	<2.0	<31	<39	<39	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<97	<97	<120	<120	<120	<120	<2.0	<2.0	<2.0	<97	<120	<120	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0	<55	<55	<69	<69	<69	<69	<2.0	<2.0	<2.0	<55	<69	<69	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<19	<19	<24	<24	<24	<24	<2.0	<2.0	<2.0	<19	<24	<24	<24	<24
Perfluoroheptanoic Acid	**6.6**	**8.8**	<25	<25	<31	<31	<31	<31	**20**	**34**	**30**	**31**	**36**	**39**	**45**	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<89	<89	<110	<110	<110	<110	<2.0	<2.0	<2.0	<89	<110	<110	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<57	<57	<71	<71	<71	<71	<2.0	<2.0	<2.0	<57	<71	<71	<71	<71
Perfluorohexanoic Acid	**2.7**	**3.5**	<58	<58	<73	<73	<73	<73	**17**	**19**	**18**	<58	<73	<73	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0	<37	<37	<46	<46	<46	<46	<2.0	<2.0	<2.0	<37	<46	<46	<46	<46
Perfluorononanoic Acid	<2.0	<2.0	<27	<27	<34	<34	<34	<34	<2.0	<2.0	<2.0	<27	<34	<34	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0	<94	<94	<120	<120	<120	<120	<2.0	<2.0	<2.0	<94	<120	<120	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0	<98	<98	<120	<120	<120	<120	<2.0	<2.0	<2.0	<98	<120	<120	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<30	<30	<38	<38	<38	<38	<2.0	<2.0	<2.0	<30	<38	<38	<38	<38
Perfluoropentanoic Acid	**18**	**21**	<49	<49	<61	<61	<61	<61	**820**	**930**	**1,100**	**1,100**	**880**	**970**	**870**	**520**
Perfluorotetradecanoic Acid	<2.0	<2.0	<73	<73	<91	<91	<91	<91	<2.0	<2.0	<2.0	<73	<91	<91	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0	<130	<130	<160	<160	<160	<160	<2.0	<2.0	<2.0	<130	<160	<160	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0	<110	<110	<140	<140	<140	<140	<2.0	<2.0	<2.0	<110	<140	<140	<140	<140
PFOA	<2.0	<2.0	<85	<85	<110	<110	<110	<110	<2.0	<2.0	<2.0	<85	<110	<110	<110	<110
PFOS	<2.0	<2.0	<54	<54	<68	<68	<68	<68	<2.0	<2.0	<2.0	<54	<68	<68	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Mass Loading Assessment Sampling Program (Quarterly)								Performance Monitoring Plan Sampling Program (Semi-Annually)						
	SMW-12								OW-4R			OW-30			
METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	**CAP1Q23-SMW-12-022323** 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	**CAP1Q24-SMW-12-011624** Sample Date: 16-Jan-24	**CAP2Q24-SMW-12-041024** Sample Date: 10-Apr-24	**CAP3Q24-SMW-12-071624** Sample Date: 16-Jul-24	**CAP4Q24-SMW-12-101024** Sample Date: 10-Oct-24	**CAP3Q23-OW-4R-080423** Sample Date: 4-Aug-23	**CAP1Q24-OW-4R-012924** Sample Date: 29-Jan-24	**CAP3Q24-OW-4R-072424** Sample Date: 24-Jul-24	**CAP1Q23-OW-30-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-30-071323** Sample Date: 13-Jul-23	**CAP1Q24-OW-30-013024** Sample Date: 30-Jan-24	**CAP3Q24-OW-30-071624** Sample Date: 16-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0 UJ	<61	<67	<84	<84	<84	<84	<67	<84	<84	<2.0	<2.0	<84	<84
11Cl-PF3OUdS	<2.0	<2.0 UJ	<29	<32	<40	<40	<40	<40	<32	<40	<40	<2.0	<2.0	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<2.0 UJ	<42	<46	<58	<58	<58	<58	<46	<58	<58	<2.0	<2.0	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<2.0 UJ	<22	<24	<30	<30	<30	<30	<24	<30	<30	<2.0	<2.0	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0 UJ	<77	<85	<110	<110	<110	<110	<85	<110	<110	<2.0	<2.0	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<4.0 UJ	<130	<140	<180	<180	<180	<180	<140	<180	<180	<4.0	<4.0	<180	<180
6:2 Fluorotelomer sulfonate	<5.0	<5.0 UJ	<230	<250	<310	<310	<310	<310	<250	<310	<310	<5.0	<5.0	<310	<310
9Cl-PF3ONS	<2.0	<2.0 UJ	<22	<24	<30	<30	<30	<30	<24	<30	<30	<2.0	<2.0	<30	<30
DONA	<2.0	<2.0 UJ	<36	<40	<50	<50	<50	<50	<40	<50	<50	<2.0	<2.0	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<120	<130	<160	<160	<160	<160	<130	<160	<160	<5.0	<5.0	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<79	<87	<110	<110 UJ	<110	<110	<87	<110	<110	<2.0	<2.0	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0 UJ	<39	<43	<54	<54	<54	<54	<43	<54	<54	<2.0	<2.0	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0 UJ	<110	<120	<150	<150	<150	<150	<120	<150	<150	<5.0	<5.0	<150	<150
Perfluorobutane Sulfonic Acid	<2.0	<2.0 UJ	<18	<20	<25	<25	<25	<25	<20	<25	<25	<2.0	<2.0	<25	<25
Perfluorobutanoic Acid	**19**	**25 J**	<220	<240	<300	<300	<300	<300	<240	<300	<300	**150**	**95**	<300	<300
Perfluorodecane Sulfonic Acid	<2.0	<2.0 UJ	<29	<32	<40	<40	<40	<40	<32	<40	<40	<2.0	<2.0	<40	<40
Perfluorodecanoic Acid	<2.0	<2.0 UJ	<28	<31	<39	<39	<39	<39	<31	<39	<39	<2.0	<2.0	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0 UJ	<88	<97	<120	<120	<120	<120	<97	<120	<120	<2.0	<2.0	<120	<120
Perfluorododecanoic Acid	<2.0	<2.0 UJ	<50	<55	<69	<69	<69	<69	<55	<69	<69	<2.0	<2.0	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0 UJ	<17	<19	<24	<24	<24	<24	<19	<24	<24	<2.0	<2.0	<24	<24
Perfluoroheptanoic Acid	<2.0	<2.0 UJ	<23	<25	<31	<31	<31	<31	**90**	**77**	**70**	**12**	**7**	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0 UJ	<81	<89	<110	<110	<110	<110	<89	<110	<110	<2.0	<2.0	<110	<110
Perfluorohexane Sulfonic Acid	<2.0	<2.0 UJ	<52	<57	<71	<71	<71	<71	<57	<71	<71	<2.0	<2.0	<71	<71
Perfluorohexanoic Acid	<2.0	**2.5 J**	<53	<58	<73	<73	<73	<73	<58	<73	<73	**16**	**13**	<73	<73
Perfluorononanesulfonic Acid	<2.0	<2.0 UJ	<34	<37	<46	<46	<46	<46	<37	<46	<46	<2.0	<2.0	<46	<46
Perfluorononanoic Acid	<2.0	<2.0 UJ	<25	<27	<34	<34	<34	<34	<27	<34	<34	<2.0	<2.0	<34	<34
Perfluorooctadecanoic Acid	<2.0	<2.0 UJ	<86	<94	<120	<120	<120	<120	<94	<120	<120	<2.0	<2.0	<120	<120
Perfluorooctane Sulfonamide	<2.0	<2.0 UJ	<89	<98	<120	<120	<120	<120	<98	<120	<120	<2.0	<2.0	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0 UJ	<27	<30	<38	<38	<38	<38	<30	<38	<38	<2.0	<2.0	<38	<38
Perfluoropentanoic Acid	**43**	**62 J**	**73**	**92**	**83**	**99**	**88**	**89**	**480**	**390**	**400**	**530**	**340**	**460 J**	**560**
Perfluorotetradecanoic Acid	<2.0	<2.0 UJ	<67	<73	<91	<91	<91	<91	<73	<91	<91	<2.0	<2.0	<91	<91
Perfluorotridecanoic Acid	<2.0	<2.0 UJ	<120	<130	<160	<160	<160	<160	<130	<160	<160	<2.0	<2.0	<160	<160
Perfluoroundecanoic Acid	<2.0	<2.0 UJ	<100	<110	<140	<140	<140	<140	<110	<140	<140	<2.0	<2.0	<140	<140
PFOA	<2.0	<2.0 UJ	<77	<85	<110	<110	<110	<110	<85	<110	<110	<2.0	<2.0	<110	<110
PFOS	<2.0	**17 J**	<49	<54	<68	<68	<68	<68	<54	<68	<68	<2.0	<2.0	<68	<68

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.

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 6-3
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	Performance Monitoring Plan Sampling Program (Semi-Annually)																
	OW-32			OW-37			OW-40				OW-51			OW-54			
	CAP3Q23-OW-32-090823	CAP1Q24-OW-32-012924	CAP3Q24-OW-32-071824	CAP3Q23-OW-37-081023	CAP1Q24-OW-37-011724	CAP3Q24-OW-37-071824	CAP1Q23-OW-40-021523	CAP3Q23-OW-40-071323	CAP1Q24-OW-40-013024	CAP3Q24-OW-40-071624	CAP3Q23-OW-51-080323	CAP1Q24-OW-51-013124	CAP3Q24-OW-51-073024	CAP1Q23-OW-54-021623	Not Sampled in 3Q 2023 (Dry)	CAP1Q24-OW-54-020624	Not Sampled in 3Q 2024 (Dry)
	Sample Date: 9-Aug-23	Sample Date: 29-Jan-24	Sample Date: 18-Jul-24	Sample Date: 10-Aug-23	Sample Date: 17-Jan-24	Sample Date: 18-Jul-24	Sample Date: 15-Feb-23	Sample Date: 13-Jul-23	Sample Date: 30-Jan-24	Sample Date: 16-Jul-24	Sample Date: 3-Aug-23	Sample Date: 31-Jan-24	Sample Date: 30-Jul-24	Sample Date: 16-Feb-23		Sample Date: 6-Feb-24	
10:2 Fluorotelomer sulfonate	<67	<84	<84	<67 UJ	<84	<84	<2.0	<2.0	<84	<2.0	<67	<84	<84	<2.0	--	<84	--
11Cl-PF3OUdS	<32	<40	<40	<32 UJ	<40	<40	<2.0	<2.0	<40	<2.0	<32	<40	<40	<2.0	--	<40	--
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<58	<58	<46 UJ	<58	<58	<2.0	<2.0	<58	<2.0	<46	<58	<58	<2.0	--	<58	--
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<30	<30	<24 UJ	<30	<30	<2.0	<2.0	<30	<2.0	<24	<30	<30	<2.0	--	<30	--
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<110	<110	<85 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<85	<110	<110	<2.0	--	<110	--
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<180	<180	<140 UJ	<180	<180	<4.0	<4.0	<180	<4.0	<140	<180	<180	<4.0	--	<180	--
6:2 Fluorotelomer sulfonate	<250	<310	<310	<250 UJ	<310	<310	<5.0	<5.0	<310	<5.0	<250	<310	<310	<5.0	--	<310	--
9Cl-PF3ONS	<24	<30	<30	<24 UJ	<30	<30	<2.0	<2.0	<30	<2.0	<24	<30	<30	<2.0	--	<30	--
DONA	<40	<50	<50	<40 UJ	<50	<50	<2.0	<2.0	<50	<2.0	<40	<50	<50	<2.0	--	<50	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<160	<160	<130 UJ	<160	<160	<5.0	<5.0	<160	<5.0	<130	<160	<160	<5.0	--	<160	--
N-ethylperfluoro-1-octanesulfonamide	<87	<110	<110	<87 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<87	<110	<110	<2.0	--	<110	--
N-methyl perfluoro-1-octanesulfonamide	<43	<54	<54	<43 UJ	<54	<54	<2.0	<2.0	<54	<2.0	<43	<54	<54	<2.0	--	<54	--
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<150	<150	<120 UJ	<150	<150	<5.0	<5.0	<150	<5.0	<120	<150	<150	<5.0	--	<150	--
Perfluorobutane Sulfonic Acid	<20	<25	<25	<20 UJ	<25	<25	<2.0	<2.0	<25	<2.0	<20	<25	<25	**2.3**	--	<25	--
Perfluorobutanoic Acid	<240	<300	<300	<240 UJ	<300	<300	**60**	**43**	<300	**57**	**530**	<300	<300	**23**	--	<300	--
Perfluorodecane Sulfonic Acid	<32	<40	<40	<32 UJ	<40	<40	<2.0	<2.0	<40	<2.0	<32	<40	<40	<2.0	--	<40	--
Perfluorodecanoic Acid	<31	<39	<39	<31 UJ	<39	<39	<2.0	<2.0	<39	<2.0	<31	<39	<39	<2.0	--	<39	--
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<120	<120	<97 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<97	<120	<120	<2.0	--	<120	--
Perfluorododecanoic Acid	<55	<69	<69	<55 UJ	<69	<69	<2.0	<2.0	<69	<2.0	<55	<69	<69	<2.0	--	<69	--
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<24	<24	<19 UJ	<24	<24	<2.0	<2.0	<24	<2.0	<19	<24	<24	<2.0	--	<24	--
Perfluoroheptanoic Acid	<25	<31	<31	<25 UJ	<31	**31**	**16**	**18**	<31	**14**	**400**	**200 J**	**120**	**9.3**	--	<31	--
Perfluorohexadecanoic Acid (PFHxDA)	<89	<110	<110	<89 UJ	<110	<110	<2.0	<2.0	<110	<2.0	<89	<110	<110	<2.0	--	<110	--
Perfluorohexane Sulfonic Acid	<57	<71	<71	<57 UJ	<71	<71	<2.0	<2.0	<71	<2.0	<57	<71	<71	<2.0	--	<71	--
Perfluorohexanoic Acid	<58	<73	<73	<58 UJ	<73	<73	**11**	**11**	<73	**8.4**	**140**	<73	<73	**5.3**	--	<73	--
Perfluorononanesulfonic Acid	<37	<46	<46	<37 UJ	<46	<46	<2.0	<2.0	<46	<2.0	<37	<46	<46	<2.0	--	<46	--
Perfluorononanoic Acid	<27	<34 UJ	<34	<27 UJ	<34	<34	<2.0	<2.0	<34	<2.0	<27	<34	<34	<2.0	--	<34	--
Perfluorooctadecanoic Acid	<94	<120	<120	<94 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<94	<120	<120	<2.0	--	<120	--
Perfluorooctane Sulfonamide	<98	<120	<120	<98 UJ	<120	<120	<2.0	<2.0	<120	<2.0	<98	<120	<120	<2.0	--	<120	--
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<38	<38	<30 UJ	<38	<38	<2.0	<2.0	<38	<2.0	<30	<38	<38	<2.0	--	<38	--
Perfluoropentanoic Acid	<49	**120**	**190**	**55 J**	<61	**130**	**120**	**74**	**75 J**	**90**	**2,700**	**1,400 J**	**880**	**40**	--	<61	--
Perfluorotetradecanoic Acid	<73	<91	<91	<73 UJ	<91	<91	<2.0	<2.0	<91	<2.0	<73	<91	<91	<2.0	--	<91	--
Perfluorotridecanoic Acid	<130	<160	<160	<130 UJ	<160	<160	<2.0	<2.0	<160	<2.0	<130	<160	<160	<2.0	--	<160	--
Perfluoroundecanoic Acid	<110	<140	<140	<110 UJ	<140	<140	<2.0	<2.0	<140	<2.0	<110	<140	<140	<2.0	--	<140	--
PFOA	<85	<110	<110	<85 UJ	<110	<110	**2.3**	<2.0	<110	<2.0	<85	<110	<110	**17**	--	<110	--
PFOS	<54	<68	<68	<54 UJ	<68	<68	<2.0	<2.0	<68	<2.0	<54	<68	<68	<2.0	--	<68	--

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)														
	OW-55				**OW-56**				**OW-57**				**PIW-4D**		
METHOD 537 MOD SOP COMPOUNDs LIST [1] ***(ng/L)***	**CAP1Q23-OW-55-021623** Sample Date: 16-Feb-23	**CAP3Q23-OW-55-072523** Sample Date: 25-Jul-23	**CAP1Q24-OW-55-020524** Sample Date: 5-Feb-24	**CAP3Q24-OW-55-071824** Sample Date: 18-Jul-24	**CAP1Q23-OW-56-022123** Sample Date: 21-Feb-23	**CAP3Q23-OW-56-073123** Sample Date: 31-Jul-23	**CAP1Q24-OW-56-020124** Sample Date: 1-Feb-24	**CAP3Q24-OW-56-072324** Sample Date: 23-Jul-24	**CAP1Q23-OW-57-021523** Sample Date: 15-Feb-23	**CAP3Q23-OW-57-073123** Sample Date: 31-Jul-23	**CAP1Q24-OW-57-020624** Sample Date: 6-Feb-24	**CAP3Q24-OW-57-072524** Sample Date: 25-Jul-24	**CAP3Q23-PIW-4D-071323** Sample Date: 13-Jul-23	**CAP1Q24-PIW-4D-012224** Sample Date: 22-Jan-24	**CAP3Q24-PIW-4D-072324** Sample Date: 23-Jul-24
10:2 Fluorotelomer sulfonate	<2.0	<67	<84	<84	<2.0	<67	<84	<84	<2.0	<67	<84	<84	<2.0	<2.0	<84
11Cl-PF3OUdS	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<2.0	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<2.0	<46	<58	<58	<2.0	<46	<58	<58	<2.0	<46	<58	<58	<2.0	<2.0	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<2.0	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<85	<110	<110	<2.0	<85	<110	<110	<2.0	<85	<110	<110	<2.0	<2.0	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<4.0	<140	<180	<180	<4.0	<140	<180	<180	<4.0	<140	<180	<180	<4.0	<4.0	<180
6:2 Fluorotelomer sulfonate	<5.0	<250	<310	<310	<5.0	<250	<310	<310	<5.0	<250	<310	<310	<5.0	<5.0	<310
9Cl-PF3ONS	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<24	<30	<30	<2.0	<2.0	<30
DONA	<2.0	<40	<50	<50	<2.0	<40	<50	<50	<2.0	<40	<50	<50	<2.0	<2.0	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<130	<160	<160	<5.0	<130	<160	<160	<5.0	<130	<160	<160	<5.0	<5.0	<160
N-ethylperfluoro-1-octanesulfonamide	<2.0	<87	<110	<110	<2.0	<87	<110	<110	<2.0	<87	<110	<110	<2.0	<2.0	<110
N-methyl perfluoro-1-octanesulfonamide	<2.0	<43	<54	<54	<2.0	<43	<54	<54	<2.0	<43	<54	<54	<2.0	<2.0	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<120	<150	<150	<5.0	<120	<150	<150	<5.0	<120	<150	<150	<5.0	<5.0	<150
Perfluorobutane Sulfonic Acid	<2.0	<20	<25	<25	**2.5**	**33**	<25	<25	**4.1**	**33**	<25	**26**	<2.0	<2.0	<25
Perfluorobutanoic Acid	**18**	<240	<300	<300	**22**	<240	<300	<300	**140**	<240	<300	<300	<5.0	<5.0	<300
Perfluorodecane Sulfonic Acid	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<32	<40	<40	<2.0	<2.0	<40
Perfluorodecanoic Acid	<2.0	<31	<39	<39	<2.0	<31	<39	<39	<2.0	<31	<39	<39	<2.0	<2.0	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<97	<120	<120	<2.0	<97	<120	<120	<2.0	<97	<120	<120	<2.0	<2.0	<120
Perfluorododecanoic Acid	<2.0	<55	<69	<69	<2.0	<55	<69	<69	<2.0	<55	<69	<69	<2.0	<2.0	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<19	<24	<24	<2.0	<19	<24	<24	<2.0	<19	<24	<24	<2.0	<2.0	<24
Perfluoroheptanoic Acid	<2.0	<25	<31	<31	**3.5**	<25	<31	<31	**71**	**86**	**87**	**92**	<2.0	<2.0	<31
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<89	<110	<110	<2.0	<89	<110	<110	<2.0	<89	<110	<110	<2.0	<2.0	<110
Perfluorohexane Sulfonic Acid	<2.0	<57	<71	<71	<2.0	<57	<71	<71	**2.3**	<57	<71	<71	<2.0	<2.0	<71
Perfluorohexanoic Acid	**2.6**	<58	<73	<73	**6.7**	<58	<73	<73	**63**	**97**	**84**	**86**	<2.0	<2.0	<73
Perfluorononanesulfonic Acid	<2.0	<37	<46	<46	<2.0	<37	<46	<46	<2.0	<37	<46	<46	<2.0	<2.0	<46
Perfluorononanoic Acid	<2.0	<27	<34	<34	<2.0	<27	<34	<34	<2.0	<27	<34	<34	<2.0	<2.0	<34
Perfluorooctadecanoic Acid	<2.0	<94	<120	<120	<2.0	<94	<120	<120	<2.0	<94	<120	<120	<2.0	<2.0	<120
Perfluorooctane Sulfonamide	<2.0	<98	<120	<120	<2.0	<98	<120	<120	<2.0	<98	<120	<120	<2.0	<2.0	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<30	<38	<38	<2.0	<30	<38	<38	<2.0	<30	<38	<38	<2.0	<2.0	<38
Perfluoropentanoic Acid	**27**	<49	<61	<61	**44**	**56**	<61	<61	**320**	**380**	**310**	**330**	**11**	**14**	<61
Perfluorotetradecanoic Acid	<2.0	<73	<91	<91	<2.0	<73	<91	<91	<2.0	<73	<91	<91	<2.0	<2.0	<91
Perfluorotridecanoic Acid	<2.0	<130	<160	<160	<2.0	<130	<160	<160	<2.0	<130	<160	<160	<2.0	<2.0	<160
Perfluoroundecanoic Acid	<2.0	<110	<140	<140	<2.0	<110	<140	<140	<2.0	<110	<140	<140	<2.0	<2.0	<140
PFOA	<2.0	<85	<110	<110	**2.7**	<85	<110	<110	**750**	**1,000**	**930**	**1,100**	<2.0	<2.0	<110
PFOS	<2.0	<54	<68	<68	<2.0	<54	<68	<68	<2.0	<54	<68	<68	<2.0	<2.0	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)																	
	PIW-5SR			**PIW-6S**			**PIW-8D**			**PIW-10DR**			**PIW-10S**			**PIW-11**		
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**CAP3Q23-PIW-5SR-080423** Sample Date: 4-Aug-23	**Not Sampled in 1Q 2024 (Dry)**	**Not Sampled in 3Q 2024 (Dry)**	**CAP3Q23-PIW-6S-071223** Sample Date: 12-Jul-23	**CAP1Q24-PIW-6S-013124** Sample Date: 31-Jan-24	**CAP3Q24-PIW-6S-072924** Sample Date: 29-Jul-24	**CAP3Q23-PIW-8D-071123** Sample Date: 11-Jul-23	**CAP1Q24-PIW-8D-012224** Sample Date: 22-Jan-24	**CAP3Q24-PIW-8D-072524** Sample Date: 25-Jul-24	**CAP3Q23-PIW-10DR-071423** Sample Date: 14-Jul-23	**CAP1Q24-PIW-10DR-012224** Sample Date: 22-Jan-24	**CAP3Q24-PIW-10DR-072524** Sample Date: 25-Jul-24	**CAP3Q23-PIW-10S-071323** Sample Date: 13-Jul-23	**Not Sampled in 1Q 2024 (Dry)**	**Not Sampled in 3Q 2024 (Dry)**	**CAP3Q23-PIW-11-073123** Sample Date: 31-Jul-23	**CAP1Q24-PIW-11-020124** Sample Date: 1-Feb-24	**CAP3Q24-PIW-11-071824** Sample Date: 18-Jul-24
10:2 Fluorotelomer sulfonate	<67	--	--	<2.0	<84	<84	<2.0	<84	<84	<2.0	<84	<84	<2.0	--	--	<67	<84	<84
11Cl-PF3OUdS	<32	--	--	<2.0	<40	<40	<2.0	<40	<40	<2.0	<40	<40	<2.0	--	--	<32	<40	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	--	--	<2.0	<58	<58	<2.0	<58	<58	<2.0	<58	<58	<2.0	--	--	<46	<58	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	--	--	<2.0	<30	<30	<2.0	<30	<30	<2.0	<30	<30	<2.0	--	--	<24	<30	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<85	<110	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	--	--	<4.0	<180	<180	<4.0	<180	<180	<4.0	<180	<180	<4.0	--	--	<140	<180	<180
6:2 Fluorotelomer sulfonate	<250	--	--	<5.0	<310	<310	**9.4**	<310	<310	<5.0	<310	<310	<5.0	--	--	<250	<310	<310
9Cl-PF3ONS	<24	--	--	<2.0	<30	<30	<2.0	<30	<30	<2.0	<30	<30	<2.0	--	--	<24	<30	<30
DONA	<40	--	--	<2.0	<50	<50	<2.0	<50	<50	<2.0	<50	<50	<2.0	--	--	<40	<50	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	--	--	<5.0	<160	<160	<5.0	<160	<160	<5.0	<160	<160	<5.0	--	--	<130	<160	<160
N-ethylperfluoro-1-octanesulfonamide	<87	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<87	<110	<110
N-methyl perfluoro-1-octanesulfonamide	<43	--	--	<2.0	<54	<54	<2.0	<54	<54	<2.0	<54	<54	<2.0	--	--	<43	<54	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	--	--	<5.0	<150	<150	<5.0	<150	<150	<5.0	<150	<150	<5.0	--	--	<120	<150	<150
Perfluorobutane Sulfonic Acid	<20	--	--	<2.0	<25	<25	<2.0	<25	<25	<2.0	<25	<25	<2.0	--	--	**29**	<25	<25
Perfluorobutanoic Acid	**780**	--	--	**150**	<300	<300	**310**	**660**	**680**	**130**	<300	<300	**47**	--	--	<240	<300	<300
Perfluorodecane Sulfonic Acid	<32	--	--	<2.0	<40	<40	<2.0	<40	<40	<2.0	<40	<40	<2.0	--	--	<32	<40	<40
Perfluorodecanoic Acid	<31	--	--	<2.0	<39	<39	<2.0	<39	<39	<2.0	<39	<39	<2.0	--	--	<31	<39	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<97	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<97	<120	<120
Perfluorododecanoic Acid	<55	--	--	<2.0	<69	<69	<2.0	<69	<69	<2.0	<69	<69	<2.0	--	--	<55	<69	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	--	--	<2.0	<24	<24	<2.0	<24	<24	<2.0	<24	<24	<2.0	--	--	<19	<24	<24
Perfluoroheptanoic Acid	**80**	--	--	**23**	<31	<31	**250**	**760**	**720**	**76**	**80**	**59**	**11**	--	--	<25	<31	<31
Perfluorohexadecanoic Acid (PFHxDA)	<89	--	--	<2.0	<110	<110	<2.0	<110	<110	<2.0	<110	<110	<2.0	--	--	<89	<110	<110
Perfluorohexane Sulfonic Acid	<57	--	--	<2.0	<71	<71	<2.0	<71	<71	<2.0	<71	<71	<2.0	--	--	<57	<71	<71
Perfluorohexanoic Acid	<58	--	--	**17**	<73	<73	**75**	**210**	**190**	**29**	<73	<73	**8.6**	--	--	<58	<73	<73
Perfluorononanesulfonic Acid	<37	--	--	<2.0	<46	<46	<2.0	<46	<46	<2.0	<46	<46	<2.0	--	--	<37	<46	<46
Perfluorononanoic Acid	<27	--	--	<2.0	<34	<34	<2.0	<34	<34	<2.0	<34	<34	<2.0	--	--	<27	<34	<34
Perfluorooctadecanoic Acid	<94	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<94	<120	<120
Perfluorooctane Sulfonamide	<98	--	--	<2.0	<120	<120	<2.0	<120	<120	<2.0	<120	<120	<2.0	--	--	<98	<120	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<30	--	--	<2.0	<38	<38	<2.0	<38	<38	<2.0	<38	<38	<2.0	--	--	<30	<38	<38
Perfluoropentanoic Acid	**1,100**	--	--	**820**	**760 J**	**710**	**1,700**	**3,500**	**3,500**	**350**	**400**	**370**	**59**	--	--	**63**	<61	<61
Perfluorotetradecanoic Acid	<73	--	--	<2.0	<91	<91	<2.0	<91	<91	<2.0	<91	<91	<2.0	--	--	<73	<91	<91
Perfluorotridecanoic Acid	<130	--	--	<2.0	<160	<160	<2.0	<160	<160	<2.0	<160	<160	<2.0	--	--	<130	<160	<160
Perfluoroundecanoic Acid	<110	--	--	<2.0	<140	<140	<2.0	<140	<140	<2.0	<140	<140	<2.0	--	--	<110	<140	<140
PFOA	<85	--	--	<2.0	<110	<110	**2.5**	<110	<110	**4.1**	<110	<110	**9.1**	--	--	<85	<110	<110
PFOS	<54	--	--	<2.0	<68	<68	<2.0	<68	<68	<2.0	<68	<68	<2.0	--	--	<54	<68	<68

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
PFAS Concentrations in Downgradient Groundwater Monitoring Wells
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

	Performance Monitoring Plan Sampling Program (Semi-Annually)									Corrective Action Plan Sampling Program (Annually)							
	PIW-15			PW-10RR			PW-11			OW-59	PIW-12		PIW-13			PIW-14	
METHOD 537 MOD SOP COMPOUNDs LIST[1] *(ng/L)*	CAP3Q23-PIW-15-072523 Sample Date: 25-Jul-23	CAP1Q24-PIW-15-020524 Sample Date: 5-Feb-24	CAP3Q24-PIW-15-090324 Sample Date: 3-Sep-24	CAP3Q23-PW-10RR-080323 Sample Date: 3-Aug-23	CAP1Q24-PW-10RR-013124 Sample Date: 31-Jan-24	CAP3Q24-PW-10RR-073024 Sample Date: 30-Jul-24	CAP3Q23-PW-11-070723 Sample Date: 7-Jul-23	CAP1Q24-PW-11-013124 Sample Date: 31-Jan-24	CAP3Q24-PW-11-072424 Sample Date: 24-Jul-24	CAP3Q24-OW-59-112024 Sample Date: 20-Nov-24	CAP3Q23-PIW-12-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-12-071824 Sample Date: 18-Jul-24	CAP3Q23-PIW-13-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-13-071824 Sample Date: 18-Jul-23	CAP3Q24-PIW-13-080524 Sample Date: 5-Aug-24	CAP3Q23-PIW-14-072423 Sample Date: 24-Jul-23	CAP3Q24-PIW-14-080524 Sample Date: 5-Aug-24
10:2 Fluorotelomer sulfonate	<67	<84	<84	<67	<84	<84	<2.0	<84	<84	<84	<67	<84	<67	<84	<84	<67	<84
11Cl-PF3OUdS	<32	<40	<40	<32	<40	<40	<2.0	<40	<40	<40	<32	<40	<32	<40	<40	<32	<40
1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	<46	<58	<58	<46	<58	<58	<2.0	<58	<58	<58	<46	<58	<46	<58	<58	<46	<58
1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	<24	<30	<30	<24	<30	<30	<2.0	<30	<30	<30	<24	<30	<24	<30	<30	<24	<30
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<85	<110	<110	<85	<110	<110	<2.0	<110	<110	<110	<85	<110	<85	<110	<110	<85	<110
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	<140	<180	<180	<140	<180	<180	<4.0	<180	<180	<180	<140	<180	<140	<180	<180	<140	<180
6:2 Fluorotelomer sulfonate	<250	<310	<310	<250	<310	<310	<5.0	<310	<310	<310	<250	<310	<250	<310	<310	<250	<310
9Cl-PF3ONS	<24	<30	<30	<24	<30	<30	<2.0	<30	<30	<30	<24	<30	<24	<30	<30	<24	<30
DONA	<40	<50	<50	<40	<50	<50	<2.0	<50	<50	<50	<40	<50	<40	<50	<50	<40	<50
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<130	<160	<160	<130	<160	<160	<5.0	<160	<160	<160	<130	<160	<130	<160	<160	<130	<160
N-ethylperfluoro-1-octanesulfonamide	<87	<110	<110	<87	<110	<110	<2.0	<110	<110	<110	<87	<110	<87	<110	<110	<87	<110
N-methyl perfluoro-1-octanesulfonamide	<43	<54	<54	<43	<54	<54	<2.0	<54	<54	<54	<43	<54	<43	<54	<54	<43	<54
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<120	<150	<150	<120	<150	<150	<5.0	<150	<150	<150	<120	<150	<120	<150	<150	<120	<150
Perfluorobutane Sulfonic Acid	<20	<25	<25	<20	<25	<25	**2.1**	<25	<25	<25	<20	<25	<20	<25	<25	<20	<25
Perfluorobutanoic Acid	<240	<300	<300	<240	<300	<300	**100**	<300	<300	<300	<240	<300	<240	<300	<300	<240	<300
Perfluorodecane Sulfonic Acid	<32	<40	<40	<32	<40	<40	<2.0	<40	<40	<40	<32	<40	<32	<40	<40	<32	<40
Perfluorodecanoic Acid	<31	<39	<39	<31	<39	<39	<2.0	<39	<39	<39	<31	<39	<31	<39	<39	<31	<39
Perfluorododecane Sulfonic Acid (PFDoS)	<97	<120	<120	<97	<120	<120	<2.0	<120	<120	<120	<97	<120	<97	<120	<120	<97	<120
Perfluorododecanoic Acid	<55	<69	<69	<55	<69	<69	<2.0	<69	<69	<69	<55	<69	<55	<69	<69	<55	<69
Perfluoroheptane Sulfonic Acid (PFHpS)	<19	<24	<24	<19	<24	<24	<2.0	<24	<24	<24	<19	<24	<19	<24	<24	<19	<24
Perfluoroheptanoic Acid	<25	<31	<31	<25	<31	<31	**100**	**110 J**	**120**	<31	<25	<31	<25	<31	<31	<25	<31
Perfluorohexadecanoic Acid (PFHxDA)	<89	<110	<110	<89	<110	<110	<2.0	<110	<110	<110	<89	<110	<89	<110	<110	<89	<110
Perfluorohexane Sulfonic Acid	<57	<71	<71	<57	<71	<71	**2.8**	<71	<71	<71	<57	<71	<57	<71	<71	<57	<71
Perfluorohexanoic Acid	<58	<73	<73	<58	<73	<73	**26**	<73	<73	<73	<58	<73	<58	<73	<73	<58	<73
Perfluorononanesulfonic Acid	<37	<46	<46	<37	<46	<46	<2.0	<46	<46	<46	<37	<46	<37	<46	<46	<37	<46
Perfluorononanoic Acid	<27	<34	<34	<27	<34	<34	**22**	<34	<34	<34	<27	<34	<27	<34	<34	<27	<34
Perfluorooctadecanoic Acid	<94	<120	<120	<94	<120	<120	<2.0	<120	<120	<120	<94	<120	<94	<120	<120	<94	<120
Perfluorooctane Sulfonamide	<98	<120	<120	<98	<120	<120	<2.0	<120	<120	<120	<98	<120	<98	<120	<120	<98	<120
Perfluoropentane Sulfonic Acid (PFPeS)	<30	<38	<38	<30	<38	<38	<2.0	<38	<38	<38	<30	<38	<30	<38	<38	<30	<38
Perfluoropentanoic Acid	**140**	**120**	**100**	**710**	**520 J**	**470**	**420**	**230 J**	**240**	<61	<49	<61	<49	**68**	**84**	**80**	**110**
Perfluorotetradecanoic Acid	<73	<91	<91	<73	<91	<91	<2.0	<91	<91	<91	<73	<91	<73	<91	<91	<73	<91
Perfluorotridecanoic Acid	<130	<160	<160	<130	<160	<160	<2.0	<160	<160	<160	<130	<160	<130	<160	<160	<130	<160
Perfluoroundecanoic Acid	<110	<140	<140	<110	<140	<140	<2.0	<140	<140	<140	<110	<140	<110	<140	<140	<110	<140
PFOA	<85	<110	<110	<85	<110	<110	**42**	<110	<110	**180**	<85	<110	<85	<110	<110	<85	<110
PFOS	<54	<68	<68	<54	<68	<68	**4.7**	<68	<68	<68	<54	<68	<54	<68	<68	<54	<68

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 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	*Jul 18 (0.00)* *Jul 19 (0.10)* *Jul 20 (0.47)*	*Nov 6 (0.00)* *Nov 7 (0.00)* *Nov 8 (0.00)*	*Feb 22 (0.00)* *Feb 23 (0.00)* *Feb 24 (0.01)*	*May 9 (0.00)* *May 10 (0.00)* *May 11 (0.00)*	*Jul 24 (0.20)* *Jul 25 (0.00)* *Jul 26 (0.00)*	*Nov 20 (0.00)* *Nov 21 (0.41)* *Nov 22 (1.26)*	*Feb 19 (0.00)* *Feb 20 (0.00)* *Feb 21 (0.00)*	*Apr 15 (0.00)* *Apr 16 (0.00)* *Apr 17 (0.00)*	*Jul 8 (0.00)* *Jul 9 (0.00)* *Jul 10 (0.00)*	*Oct 21 (0.00)* *Oct 22 (0.00)* *Oct 23 (0.00)*
	WC-1									
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	**CAP1Q24-WC-1-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-1-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-1-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-1-24-102424** Sample Date: 24-Oct-24
Hfpo Dimer Acid	**560**	**580**	**310**	**430**	**360**	**89 J**	**240**	**320**	**460**	**220**
PFMOAA	**1,300**	**1,900**	**480**	**830**	**970**	**200**	**420**	**1,000**	**1,400**	**880**
PFO2HxA	**650**	**960**	**280**	**500**	**500**	**150**	**310**	**440**	**540**	**310**
PFO3OA	**130**	**160**	**45**	**90**	**87**	**23 J**	**57**	**76**	**79 J**	**59**
PFO4DA	**25**	**29**	**10**	**15**	**16**	**5.4 J**	**9.4**	**14**	**17**	**10**
PFO5DA	<3.9	<7.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**640**	**790**	**340**	**430**	**490**	**170**	**290**	**340**	**500**	**300**
PEPA	**150**	**200**	**74**	**120**	**120**	**45**	**72**	**95**	**110**	**72**
PS Acid	<2.0	**2.6**	<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**	**7.3**	**13**	**12**	**10**
R-PSDA	**42 J**	**36 J**	**30 J**	**86 J**	**170 J**	**11 J**	**36 J**	**100 J**	**160 J**	**150 J**
Hydrolyzed PSDA	**230 J**	**230 J**	**190 J**	**380 J**	**290 J**	**28 J**	**160 J**	**370 J**	**340 J**	**340 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	**21**	**30**	**14**	**20**	**25**	**3.8**	**15**	**16**	**28**	**9.9 J**
EVE Acid	<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**	**5.7**	**7.5**	**3.0**
R-EVE	**24 J**	**16 J**	**14 J**	**38 J**	**59 J**	**5.9 J**	**18 J**	**41 J**	**64 J**	**70 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
PFECA B	<2.0	<2.7	<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
PFPrA	--	--	--	--	**770**	**250**	**530**	**680**	**780**	**460**
Total Table 3+ (17 compounds)[2,3]	**3,500**	**4,680**	**1,570**	**2,450**	**2,590**	**691**	**1,420**	**2,320**	**3,150**	**1,870**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**3,360**	**941**	**1,950**	**3,000**	**3,930**	**2,330**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**3,880**	**986**	**2,170**	**3,510**	**4,500**	**2,890**

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.
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 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	*Jul 18 (0.00)* *Jul 19 (0.10)* *Jul 20 (0.47)*	*Nov 6 (0.00)* *Nov 7 (0.00)* *Nov 8 (0.00)*	*Feb 22 (0.00)* *Feb 23 (0.00)* *Feb 24 (0.01)*	*May 9 (0.00)* *May 10 (0.00)* *May 11 (0.00)*	*Jul 24 (0.20)* *Jul 25 (0.00)* *Jul 26 (0.00)*	*Nov 20 (0.00)* *Nov 21 (0.41)* *Nov 22 (1.26)*	*Feb 19 (0.00)* *Feb 20 (0.00)* *Feb 21 (0.00)*	*Apr 15 (0.00)* *Apr 16 (0.00)* *Apr 17 (0.00)*	*Jul 8 (0.00)* *Jul 9 (0.00)* *Jul 10 (0.00)*	*Oct 21 (0.00)* *Oct 22 (0.00)* *Oct 23 (0.00)*
	WC-2									
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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	**CAP1Q24-WC-2-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-2-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-2-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-2-24-102424** Sample Date: 24-Oct-24
Hfpo Dimer Acid	**320**	**490**	**180**	**290**	**260**	**120**	**160**	**210**	**260**	**150**
PFMOAA	**250**	**1,000**	**300**	**360**	**610**	**290 J**	**250**	**480**	**340**	**260**
PFO2HxA	**250**	**640**	**160**	**280**	**350**	**190 J**	**180**	**230**	**290**	**200**
PFO3OA	**40**	**89**	**21**	**42**	**55**	**27**	**25**	**40**	**37**	**28**
PFO4DA	**12**	**17**	**4.5**	**8.2**	**10**	**5.3**	**4.8**	**7.8**	**7.1**	**5.3**
PFO5DA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PMPA	**330**	**570**	**240**	**310**	**410**	**230 J**	**200**	**260**	**320**	**230**
PEPA	**70**	**150**	**52**	**86**	**92**	**48 J**	**41**	**62**	**65**	**51**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**12**	**11**	**7.2**	**8.2**	**9.5**	**6.1**	**6.6**	**9.4**	**8.6**	**8.7**
R-PSDA	**26 J**	**31 J**	**18 J**	**49 J**	**96 J**	**9.4 J**	**12 J**	**54 J**	**100 J**	**110 J**
Hydrolyzed PSDA	**44 J**	**130 J**	**28 J**	**44 J**	**75 J**	**20 J**	**14 J**	**81 J**	**30 J**	**30 J**
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
NVHOS, Acid Form	**8.3**	**19**	**5.7**	**8.6**	**16**	**5.7 J**	**5.7**	**8.1**	**8.8**	**4.0**
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	**4.5**	**12**	<2.0	**3.1**	**2.2**	**2.2**	**2.1**	<2.0	<2.0	<2.0
R-EVE	**9.4 J**	**19 J**	**9.6 J**	**28 J**	**41 J**	**7.4 J**	**7.7 J**	**25 J**	**51 J**	**56 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPrA	--	--	--	--	**570**	**340 J**	**320**	**450**	**440**	**300**
Total Table 3+ (17 compounds)[2,3]	**1,300**	**3,000**	**970**	**1,400**	**1,810**	**924**	**875**	**1,310**	**1,340**	**937**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**2,380**	**1,260**	**1,200**	**1,760**	**1,780**	**1,240**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**2,600**	**1,300**	**1,230**	**1,920**	**1,960**	**1,430**

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.
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 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (inches):	*Jul 18 (0.00)* *Jul 19 (0.10)* *Jul 20 (0.47)*	*Nov 6 (0.00)* *Nov 7 (0.00)* *Nov 8 (0.00)*	*Feb 22 (0.00)* *Feb 23 (0.00)* *Feb 24 (0.01)*	*May 9 (0.00)* *May 10 (0.00)* *May 11 (0.00)*	*Jul 24 (0.20)* *Jul 25 (0.00)* *Jul 26 (0.00)*	*Nov 20 (0.00)* *Nov 21 (0.41)* *Nov 22 (1.26)*	*Feb 19 (0.00)* *Feb 20 (0.00)* *Feb 21 (0.00)*	*Apr 15 (0.00)* *Apr 16 (0.00)* *Apr 17 (0.00)*	*Jul 8 (0.00)* *Jul 9 (0.00)* *Jul 10 (0.00)*	*Oct 21 (0.00)* *Oct 22 (0.00)* *Oct 23 (0.00)*
	WC-3									
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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	**CAP1Q24-WC-3-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-3-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-3-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-3-24-102424** Sample Date: 24-Oct-24
Hfpo Dimer Acid	**180**	**190**	**100**	**150**	**130**	**49**	**50 J**	**110**	**160**	**79**
PFMOAA	**45**	**72**	**35**	**55**	**58**	**25**	**22 J**	**47**	**76**	**42**
PFO2HxA	**140**	**190**	**74**	**130**	**140**	**61**	**44 J**	**110**	**150**	**99**
PFO3OA	**19**	**21**	**8.7**	**16**	**19**	**7.6**	<8.9	**14**	**18**	**12**
PFO4DA	**5.3**	**4.8**	**2.1**	**3.5**	**5.1**	**2.2**	<4.0	**3.5**	**5.3**	**3.0**
PFO5DA	<2.0	<2.0	<2.0	<2.0	**2.1**	<2.0	<10	<2.0	<2.0	<2.0
PMPA	**230**	**260**	**160**	**190**	**200**	**120**	**83 J**	**180**	**230**	**140**
PEPA	**45**	**70**	**32**	**53**	**50**	**24**	**31**	**40**	**51**	**27**
PS Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
Hydro-PS Acid	**9.3**	**7.8**	**6.5**	**6.8**	**7.8**	**4.2**	<4.4	**7.2**	**8.4**	**7.4**
R-PSDA	<2.0	**12 J**	**15 J**	**32 J**	**65 J**	**4.3 J**	**3.3 J**	**41 J**	**97 J**	**67 J**
Hydrolyzed PSDA	<2.0	<2.0	<2.0	<2.0	**7.6 J**	<2.0	<2.7	<2.0	<2.0	<2.0
R-PSDCA	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0	<14	<3.0	<3.0	<3.0
NVHOS, Acid Form	**4.6**	**3.2**	**2.5**	**2.8**	<3.0	<3.0	<13	<3.0	**3.4**	<3.0
EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
Hydro-EVE Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0	<2.0
R-EVE	**5.6 J**	**6.1 J**	**7.5 J**	**16 J**	**23 J**	**2.7 J**	<3.1	**17 J**	**40 J**	**29 J**
Perfluoro(2-ethoxyethane)sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.9	<2.0	<2.0	<2.0
PFECA B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<6.2	<2.0	<2.0	<2.0
PFECA-G	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.9	<2.0	<2.0	<2.0
PFPrA	--	--	--	--	**280**	**150**	**210**	**240**	**300**	**190**
Total Table 3+ (17 compounds)[2,3]	**678**	**819**	**421**	**607**	**612**	**293**	**230**	**512**	**702**	**409**
Total Table 3+ (18 compounds)[2,4]	--	--	--	--	**892**	**443**	**440**	**752**	**1,000**	**599**
Total Table 3+ (21 compounds)[2,5]	--	--	--	--	**988**	**450**	**443**	**810**	**1,140**	**695**

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.
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 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (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)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***	***Oct 21 (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)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***	***Oct 22 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***	***Oct 23 (0.00)***
	WC-1									
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	**CAP1Q24-WC-1-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-1-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-1-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-1-24-102424** Sample Date: 24-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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
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-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**5.9**	<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	**4.7**	<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
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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
N-ethylperfluoro-1-octanesulfonamide	<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
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
Perfluorobutane Sulfonic Acid	**4.6**	**3.9**	**4.4**	**4.6**	**4.9**	**3.7**	**5.7**	**7.5**	**5.5**	**8.3**
Perfluorobutanoic Acid	**6.6**	**9.1**	**7**	**6.3**	**9**	<5.0	**5.2**	**6.7**	**8.6**	**8.0**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid	**2.4**	**2.9**	<2.0	**2.4**	**2.4**	<2.0	<2.0	**2.1**	**2.8**	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.9	<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
Perfluorohexanoic Acid	**3.5**	**4.1**	**2.8**	**3.7**	**4.3**	<2.0	**3.1**	**4.3**	**4.3**	**4.4**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<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
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**13**	**13**	**7.8**	**11**	**9.9**	**3.4**	**6.7**	**11**	**13**	**7.7**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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
PFOA	**9.7**	**10**	**5.8**	**7.7**	**7.2**	**2.1**	**5.1**	**6.1**	**11**	**7.0**
PFOS	**2.5**	<2.0	<2.0	<2.0	<2.0	<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.
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
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (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)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***	***Oct 21 (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)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***	***Oct 22 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***	***Oct 23 (0.00)***
	WC-2									
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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	**CAP1Q24-WC-2-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-2-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-2-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-2-24-102424** Sample Date: 24-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<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
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-(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-(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
6:2 Fluorotelomer sulfonate	<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 UJ	<2.0	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<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 UJ	<5.0	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<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
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<5.0	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.4**	**3.6**	**4.5**	**4.6**	**4.6**	**4.7 J**	**6.2**	**7.1**	**5.3**	**8.5**
Perfluorobutanoic Acid	<5.0	**10.0**	<5.0	<5.0	**7.6**	<5.0 UJ	<5.0	**5.5**	**6.4**	**6.8**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<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
Perfluoroheptanoic Acid	<2.0	**2.4**	<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	<8.9	<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
Perfluorohexanoic Acid	**3.0**	**3.9**	**2.6**	**3.1**	**3.8**	**2.3**	**2.8**	**3.6**	**4.3**	**4.0**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<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
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<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
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**8.8**	**13.0**	**5.0**	**7.3**	**8.1**	**5.1 J**	**4.7**	**7.1**	**7.5**	**6.3**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<2.0	<2.0
PFOA	**3.4**	**5.1**	**2.8**	**3.1**	**5.6**	**2.3**	**2.7**	**3.7**	**3.8**	**4.2**
PFOS	<2.0	<2.0	<2.0	<2.0	<2.0	**2.0 J**	<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.
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
< - Analyte not detected above associated reporting limit.

Table 6-4
Willis Creek PFAS Analytical Results
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Antecedent Daily Total Rainfall (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)***	***Feb 19 (0.00)***	***Apr 15 (0.00)***	***Jul 8 (0.00)***	***Oct 21 (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)***	***Feb 20 (0.00)***	***Apr 16 (0.00)***	***Jul 9 (0.00)***	***Oct 22 (0.00)***
	Jul 20 (0.47)	***Nov 8 (0.00)***	***Feb 24 (0.01)***	***May 11 (0.00)***	***Jul 26 (0.00)***	***Nov 22 (1.26)***	***Feb 21 (0.00)***	***Apr 17 (0.00)***	***Jul 10 (0.00)***	***Oct 23 (0.00)***
	WC-3									
METHOD 537 MOD SOP COMPOUNDs LIST[1] (ng/L)	**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	**CAP1Q24-WC-3-24-022224** Sample Date: 22-Feb-24	**CAP2Q24-WC-3-24-041824** Sample Date: 18-Apr-24	**CAP3Q24-WC-3-24-071124** Sample Date: 11-Jul-24	**CAP4Q24-WC-3-24-102424** Sample Date: 24-Oct-24
10:2 Fluorotelomer sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<6.7	<2.0	<2.0	<2.0
11Cl-PF3OUdS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.2	<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	<4.6	<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	<2.4	<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	<8.5	<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	<14	<4.0	<4.0	<4.0
6:2 Fluorotelomer sulfonate	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0
9Cl-PF3ONS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0	<2.0
DONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 UJ	<13	<5.0	<5.0	<5.0
N-ethylperfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.7	<2.0	<2.0	<2.0
N-methyl perfluoro-1-octanesulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.3	<2.0	<2.0	<2.0
N-Methyl Perfluorooctane Sulfonamidoacetic Acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<12	<5.0	<5.0	<5.0
Perfluorobutane Sulfonic Acid	**4.7**	**3.1**	**4.6**	**4.3**	**4.6**	**3.5**	**4.3 J**	**7.6**	**5.4**	**7.3**
Perfluorobutanoic Acid	<5.0	<5.0	<5.0	<5.0	**5.8**	<5.0	<24	**5.6**	**6.2**	**5.5**
Perfluorodecane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.2	<2.0	<2.0	<2.0
Perfluorodecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.1	<2.0	<2.0	<2.0
Perfluorododecane Sulfonic Acid (PFDoS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.7	<2.0	<2.0	<2.0
Perfluorododecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.5	<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
Perfluoroheptanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.5	<2.0	<2.0	<2.0
Perfluorohexadecanoic Acid (PFHxDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<8.9	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.7	<2.0	<2.0	<2.0
Perfluorohexanoic Acid	**2.6**	**2.3**	**2.1**	**2.7**	**3.0**	<2.0	<5.8	**3.4**	**4.3**	**3.2**
Perfluorononanesulfonic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.7	<2.0	<2.0	<2.0
Perfluorononanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.7	<2.0	<2.0	<2.0
Perfluorooctadecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.4	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0
Perfluoropentanoic Acid	**5.5**	**4.5**	**3.6**	**5.1**	**4.9**	**2.6**	<4.9	**5.5**	**6.7**	**5.2**
Perfluorotetradecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<7.3	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<13	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<11	<2.0	<2.0	<2.0
PFOA	**2.4**	<2.0	<2.0	<2.0	**2.1**	<2.0	<8.5	**2.3**	**2.5**	**2.7**
PFOS	**2.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<5.4	<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.
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
< - Analyte not detected above associated reporting limit.

Table 6-5
Willis Creek PFAS Mass Discharge
Quarterly Report #8 (Oct - Dec 2024)
Chemours Fayetteville Works
Fayetteville, North Carolina

Sample Date	Willis Creek Flow Rate[1]	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)
	(ft^3/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
09-Nov-22	3.4	3,000	4,680	0.29	0.45	0.16
25-Feb-23	6.7[2]	970	1,570	0.18	0.30	0.11
14-Mar-23						
12-May-23	3.5	1,400	2,450	0.14	0.24	0.10
27-Jul-23	2.8	1,810	2,590	0.14	0.20	0.06
23-Nov-23	15.5	924	691	0.41	0.30	-0.10
22-Feb-24	7.3	875	1,420	0.18	0.29	0.11
18-Apr-24	NM[3]	1,310	2,320	NM	NM	NM
11-Jul-24	3.6	1,340	3,150	0.14	0.32	0.18
24-Oct-24	6.0	937	1,870	0.16	0.32	0.16

Notes:

1 - Willis Creek flow rate was measured using the Marsh-McBirney method, and if practical is performed within the 24-hour composite cycle of the sampling program.

2 - Flooding affected the February 2023 event. Previous reports utilized flow rate data from upstream location WC-6 on February 13, 2023. However, it was determined that WC-1 flow and concentration data are available instead on February 25, 2023 and are utilized above.

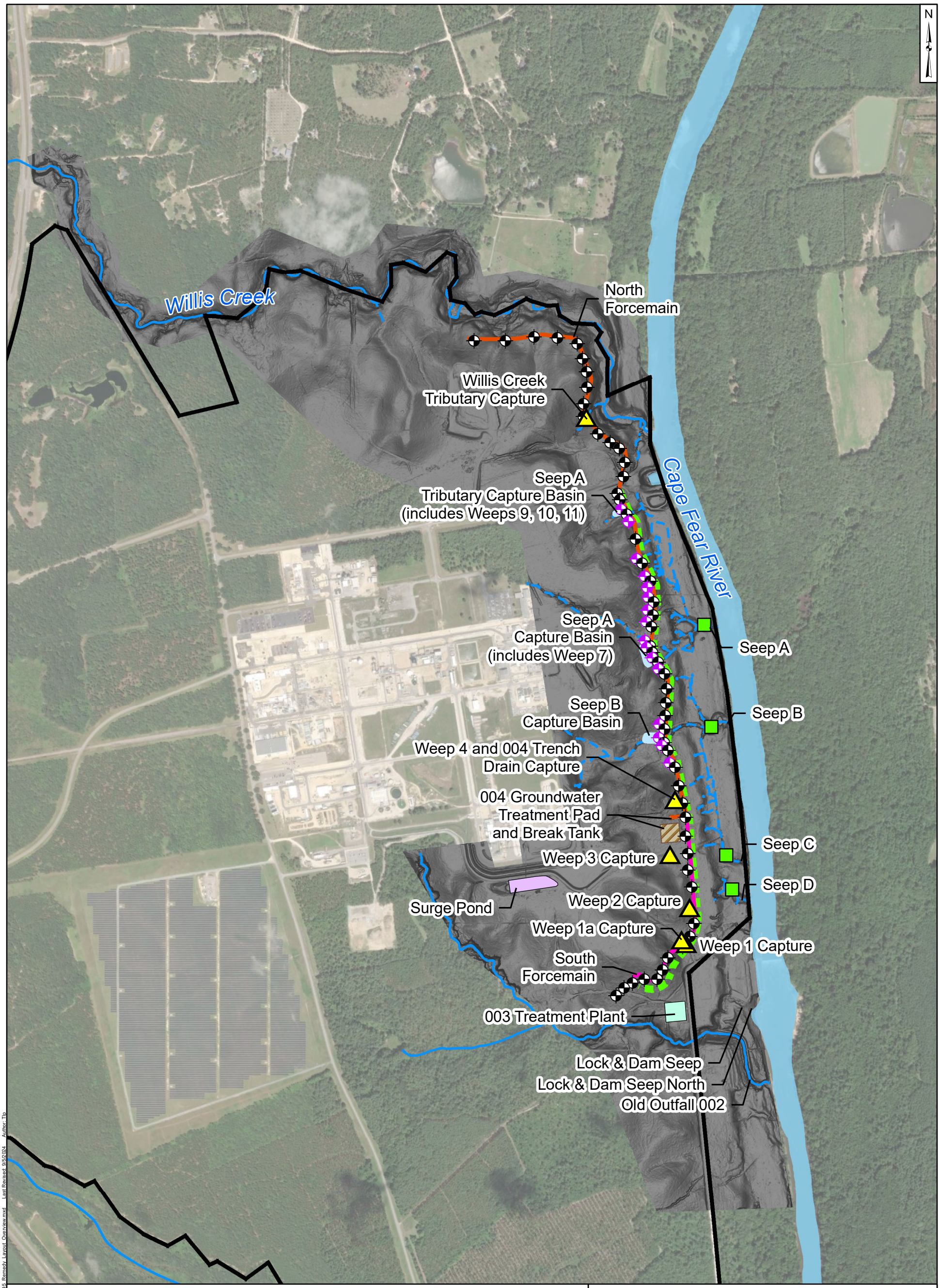
3 - For the April 18, 2024 event, flow rate was inadvertently Not Measured (NM). In previous reports, a surrogate value from May 2023 was used, but as these data sets are likely not congruous, this surrogate is no longer being used. Concentration data are still provided above.

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

5 - WC-2 is located approximately at the upgradient end of the long-term remedy alignment (i.e., downgradient of EW-1), and WC-1 is located approximately near the confluence with the Cape Fear River.

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

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

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

1,000 500 0 1,000 Feet

Remedy Layout Overview

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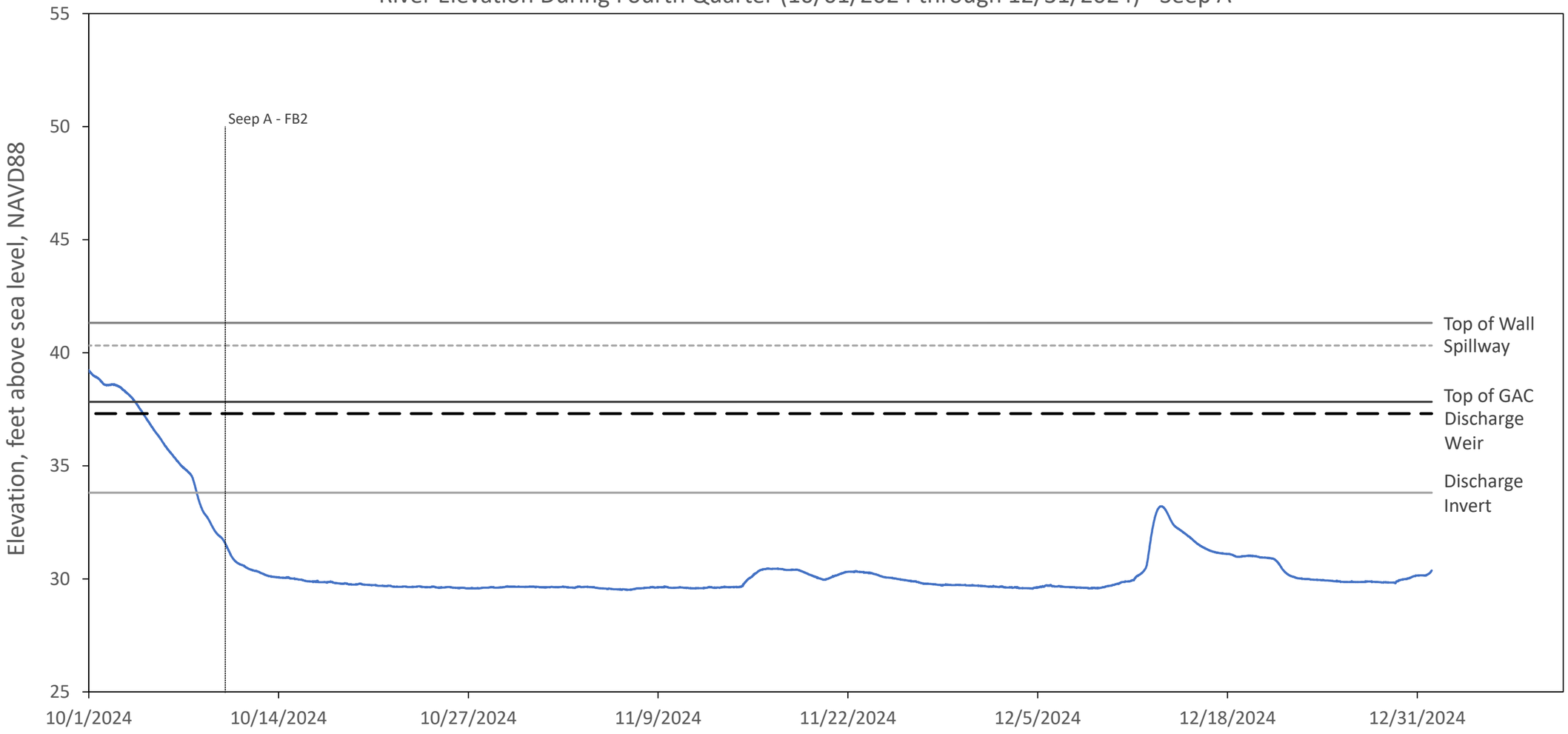
Raleigh | March 2025

Figure 1-1

Path: \\Geuelph-01\Data\PR\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795 Remedy Layout Overview.mxd Last Revised: 9/5/2024 Author: Tlp

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

River Elevation During Fourth Quarter (10/01/2024 through 12/31/2024) - Seep A



Legend

River

GAC Changeout

Notes:

As-built survey information for Seep A from Donaldson Garrett & Associates July 2021.

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

FB2 = Filter Bed 2

GAC = Granular Activated Carbon

FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep A

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Fayetteville, North Carolina

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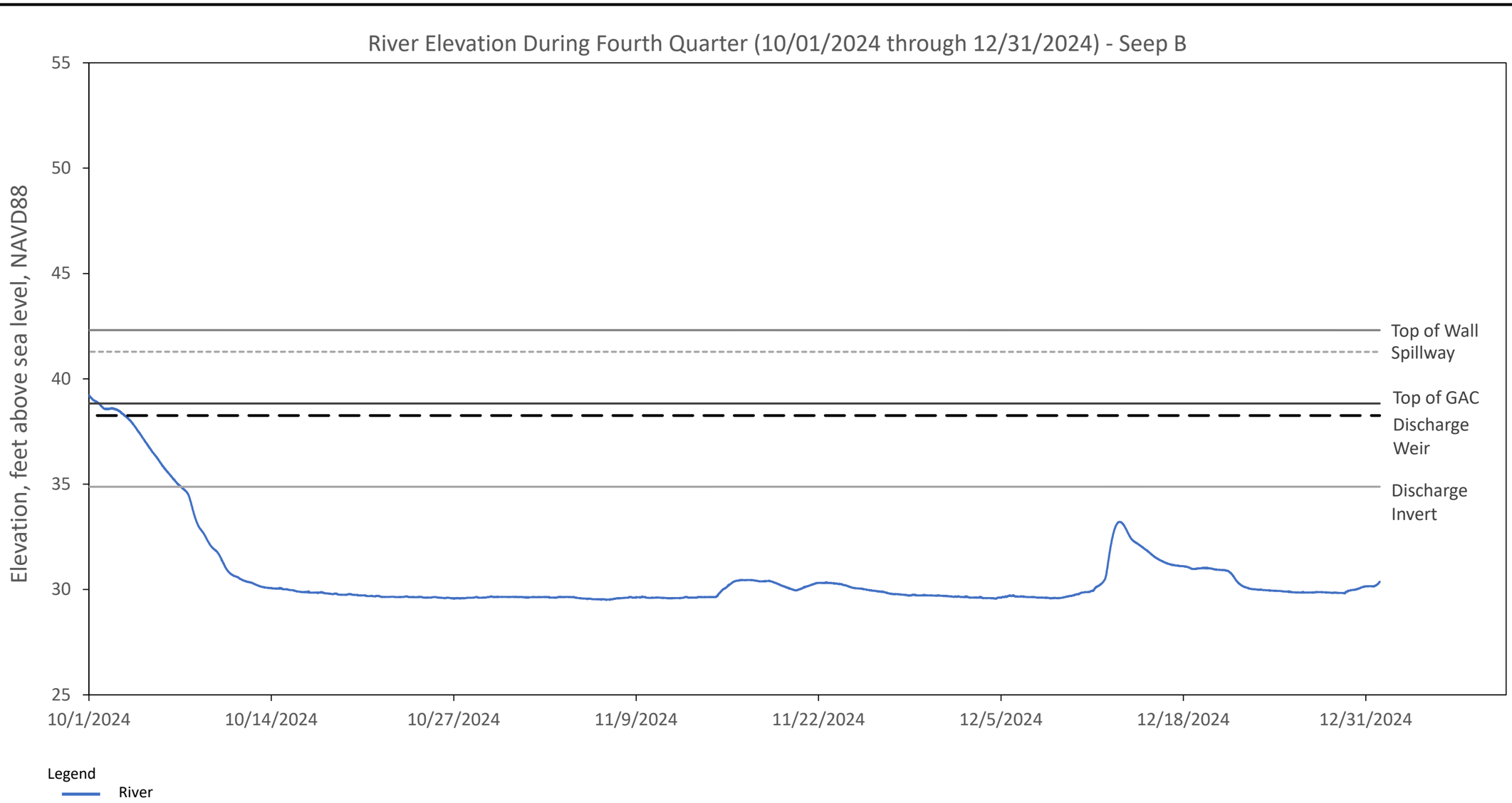
Figure 2-1A



Notes:
As-built survey information for Seep B from Donaldson Garrett & Associates July 2021.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep B
Chemours Fayetteville Works
Fayetteville, North Carolina

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Figure
2-1B

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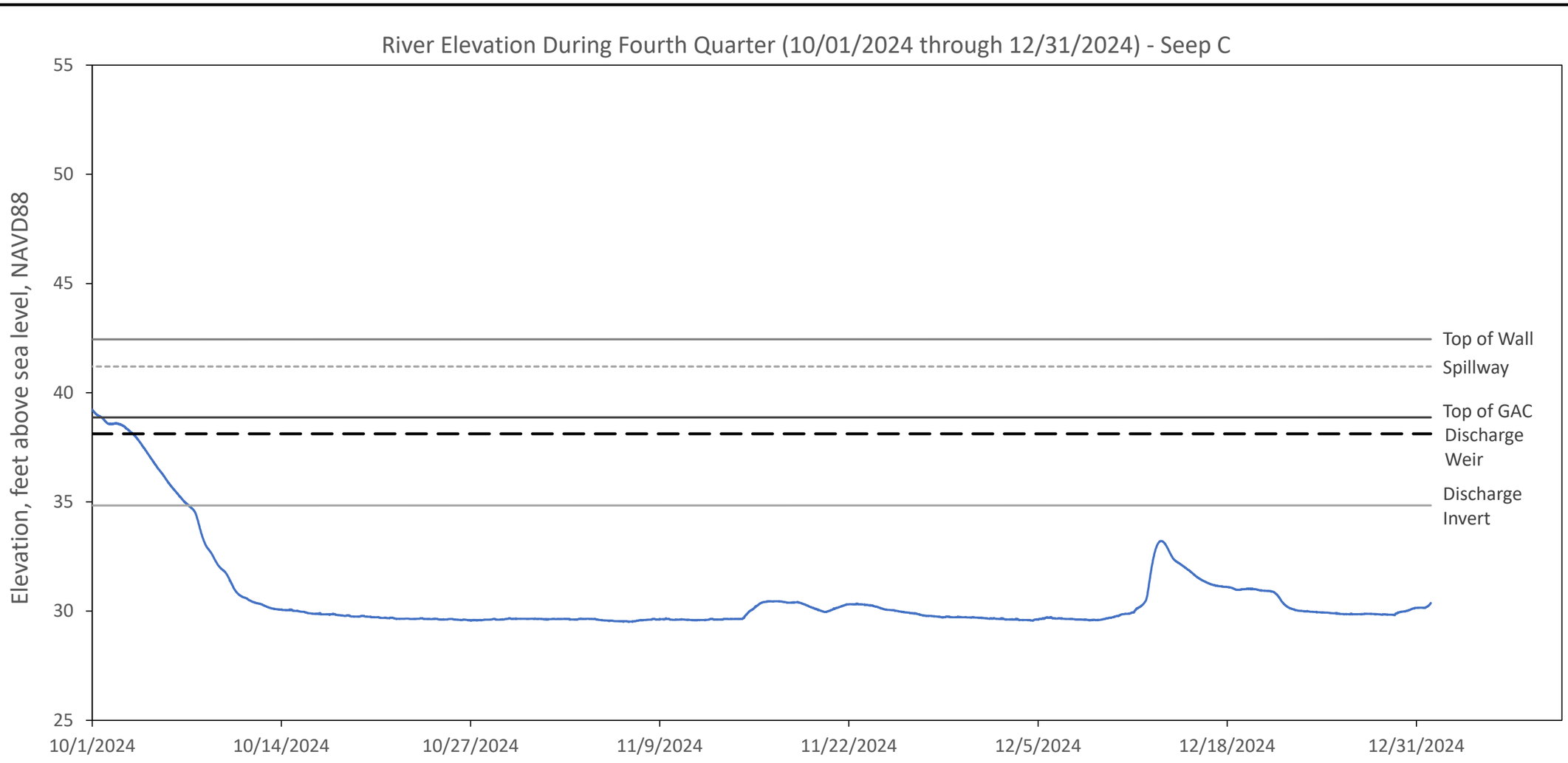

Notes:
As-built survey information for Seep C from RMA Surveying October 2020.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep C

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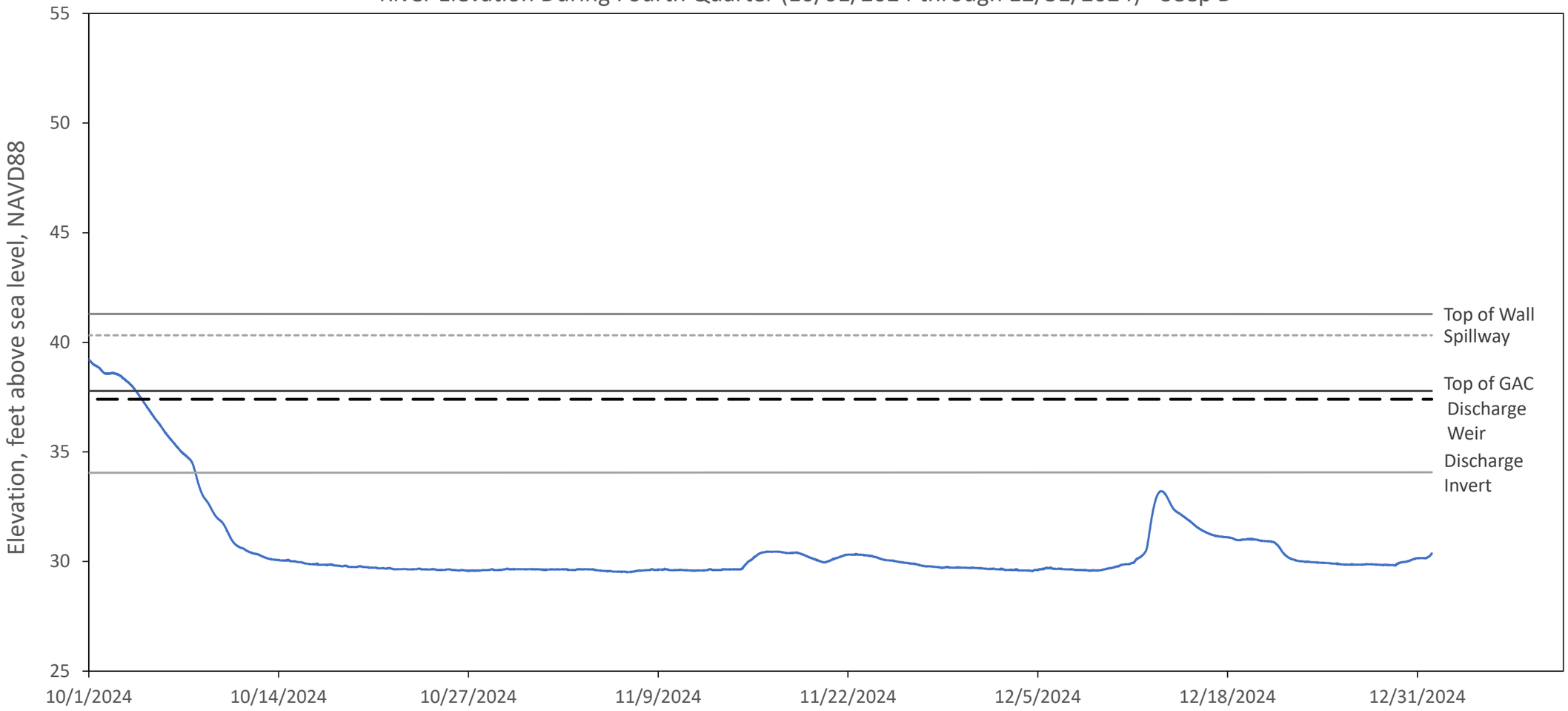
Figure 2-1C



Notes:
As-built survey information for Seep D from Donaldson Garrett & Associates July 2021.
River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.
GAC = Granular Activated Carbon
FTC = Flow-Through Cell

River Level During Reporting Period & FTC As-Built Elevations - Seep D

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Figure 2-1D

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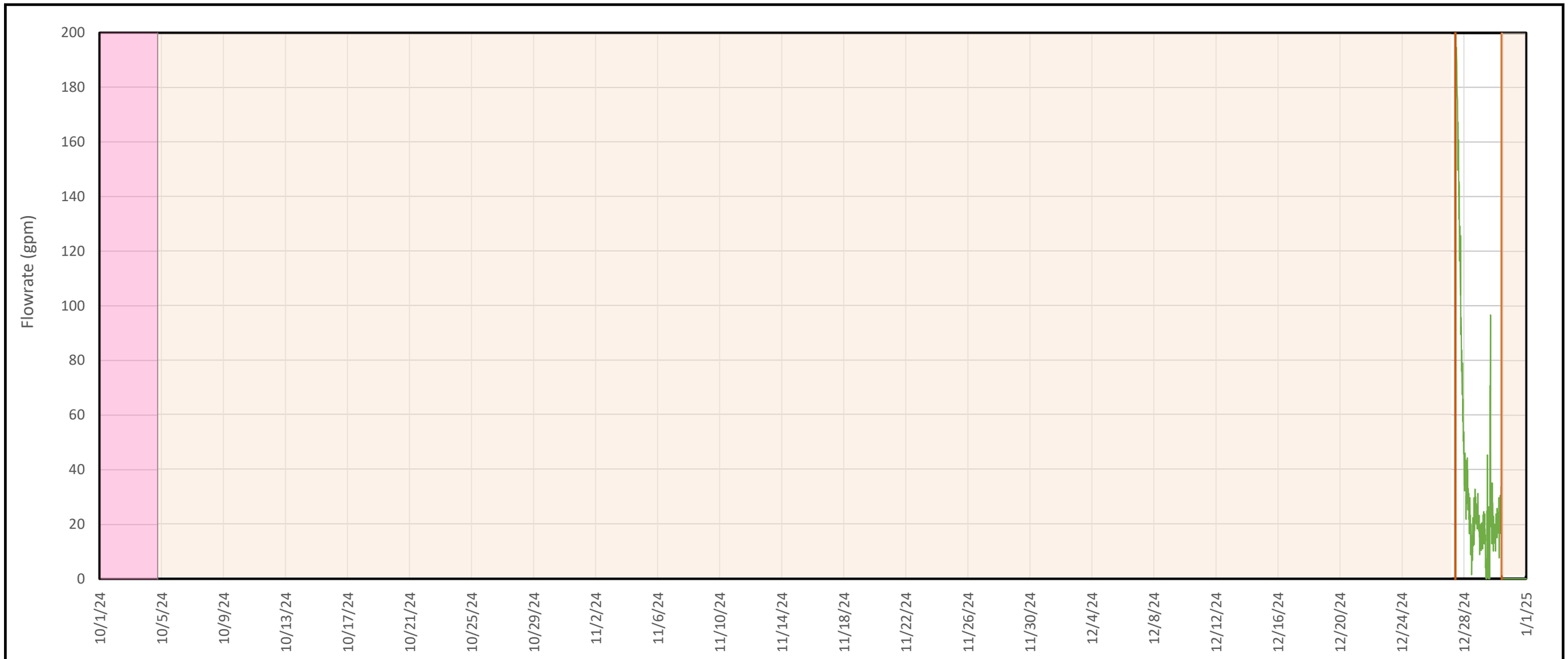

Legend

- 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 September 28 to October 3, 2024, 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 2.3.4 for more details.
FTC - Flow-Through Cell

FTC Discharge Flowrate (Oct - Dec 2024) - Seep A

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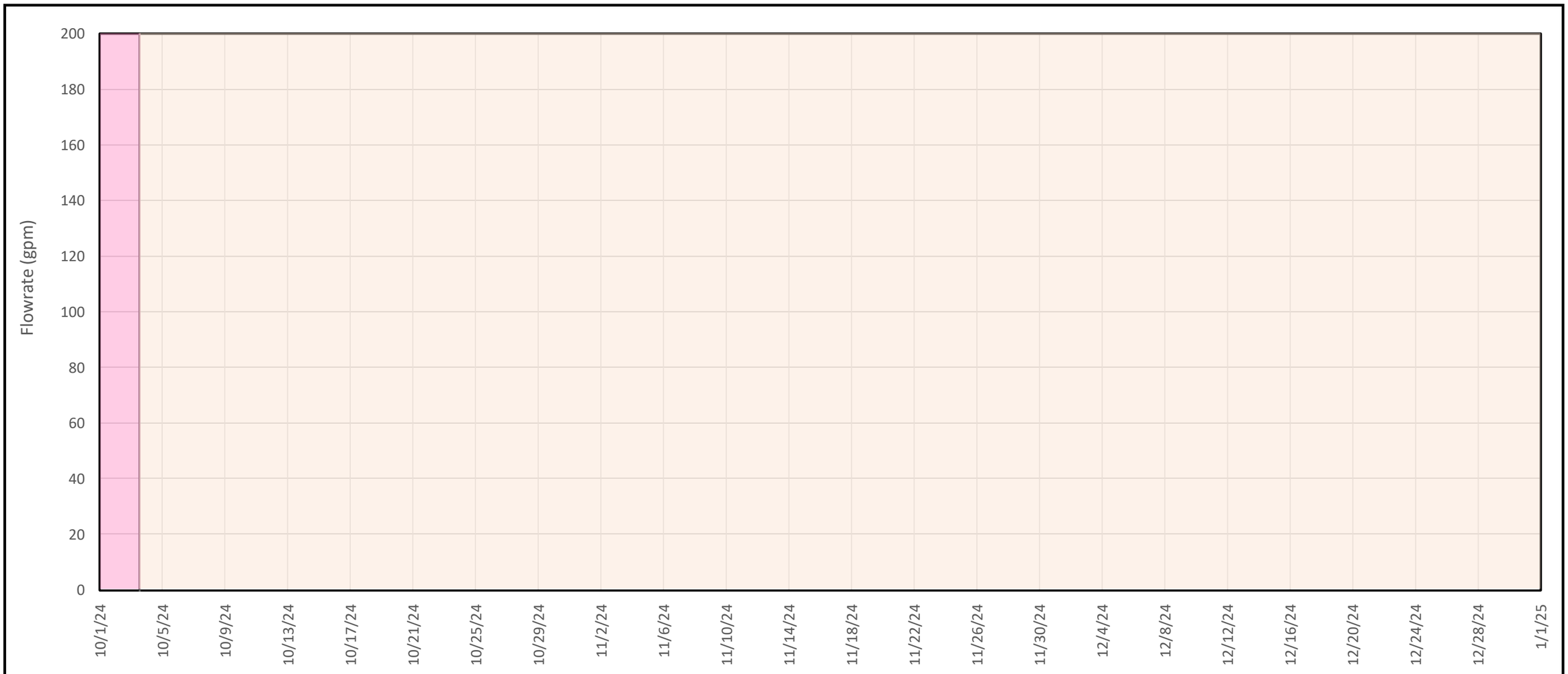
Figure 2-2A



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 September 28 to October 3, 2024, 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 2.3.4 for more details.
FTC - Flow-Through Cell

FTC Discharge Flowrate (Oct - Dec 2024) - Seep B

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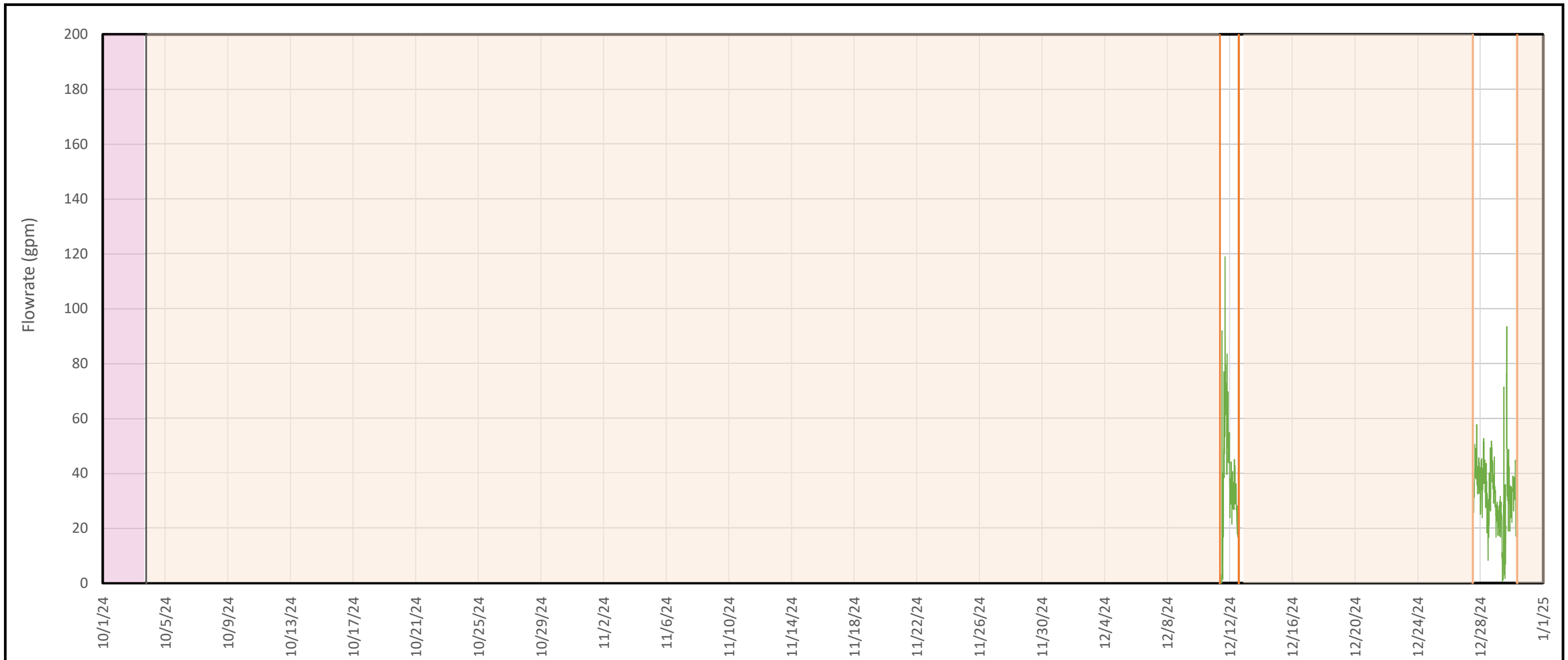
Figure 2-2B



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 September 28 to October 3, 2024, 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 2.3.4 for more details.
FTC - Flow-Through Cell

FTC Discharge Flowrate
(Oct - Dec 2024) - Seep C
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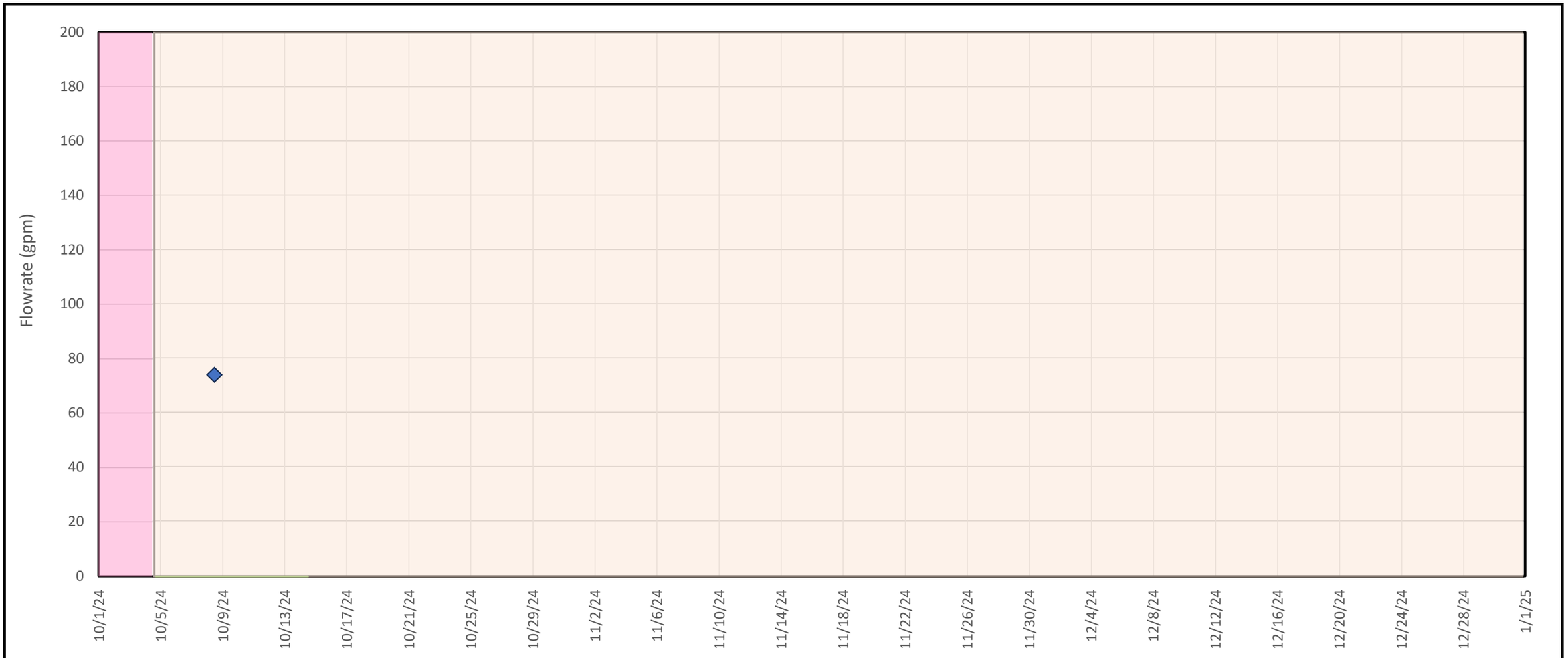
Figure
2-2C



Legend

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

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 September 28 to October 3, 2024, 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 2.3.4 for more details.

FTC - Flow-Through Cell

FTC Discharge Flowrate (Oct - Dec 2024) - Seep D

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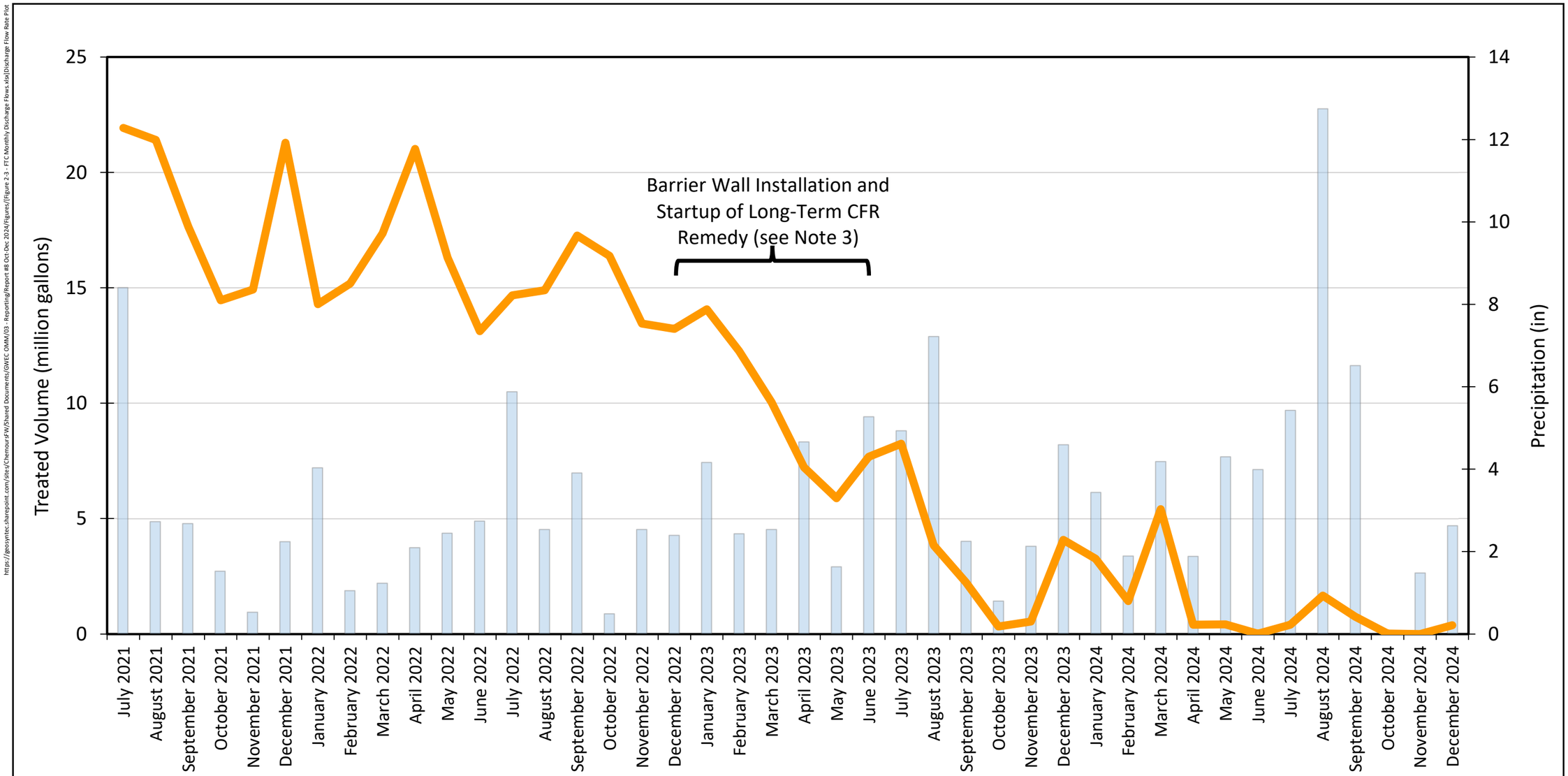
Figure 2-2D

https://geosyntec.sharepoint.com/sites/ChemoursFW/Shared Documents/GWEC OMM/03 - Reporting/Report #8 Oct-Dec 2024/Figures/[Figure 2-3 - FTC Monthly Discharge Flows.xlsx]Discharge Flow Rate Plot



Legend

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

USGS Precipitation (monthly totals)

Notes:

1. 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.
2. Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.
3. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.

FTC Monthly Total Discharge Volumes (July 2021 - December 2024)

Chemours Fayetteville Works
Fayetteville, North Carolina

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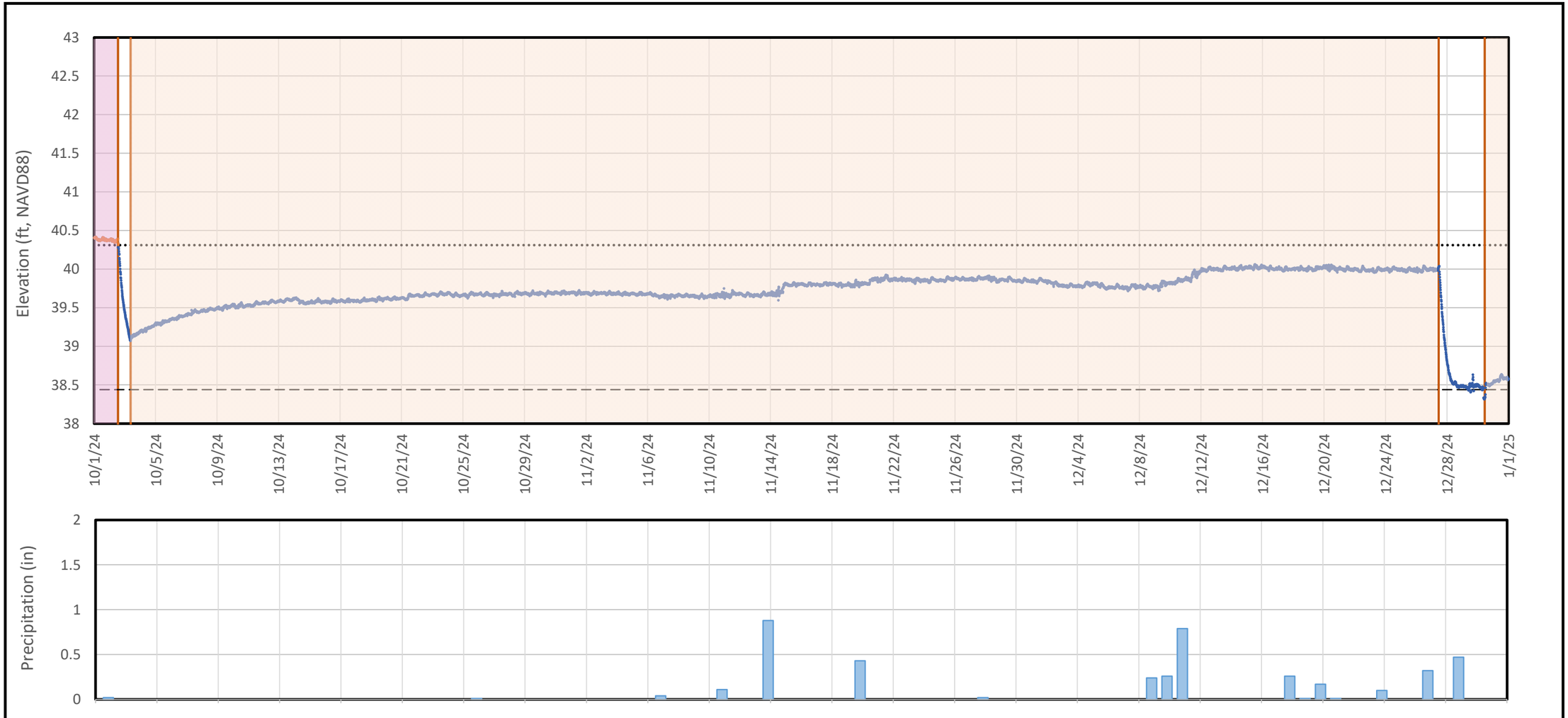
Figure 2-3



Legend

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

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 (if any) are shown as an orange line.

Staff gauge data are no longer shown due to lack of precision in the measurements.

From September 28 to October 3, 2024, the Cape Fear River rose above the elevation of the Bypass Spillway, causing the influent and effluent water elevations to be equal, and consequently ceasing any flow through the system (pink shading). See Section 2.3.4 for more details regarding impacts of river flooding.

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

FTC - Flow-Through Cell

FTC Influent Water Elevation (Oct - Dec 2024) - Seep A

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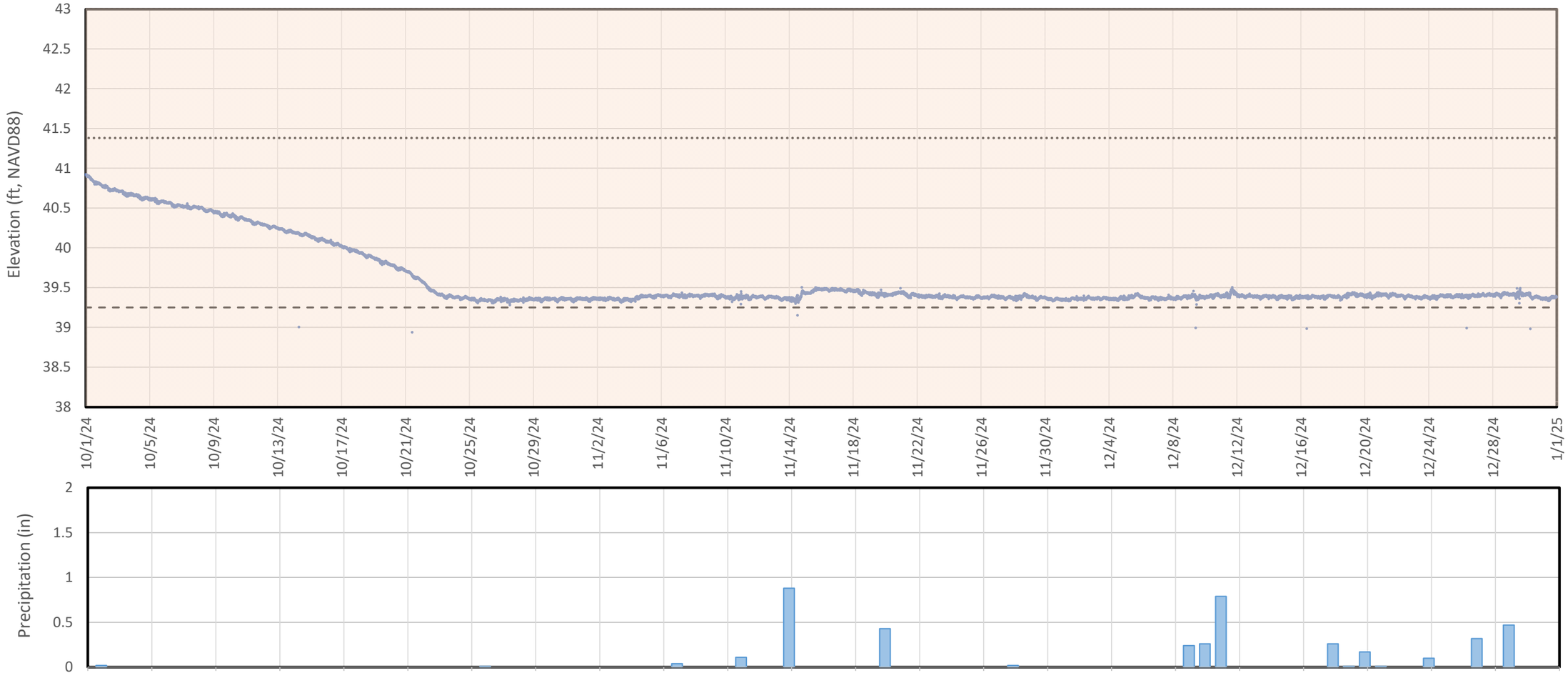
Figure 2-4A



Legend

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

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 (if any) are shown as an orange line. Staff gauge data are no longer shown due to lack of precision in the measurements.

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

FTC - Flow-Through Cell

FTC Influent Water Elevation (Oct - Dec 2024) - Seep B

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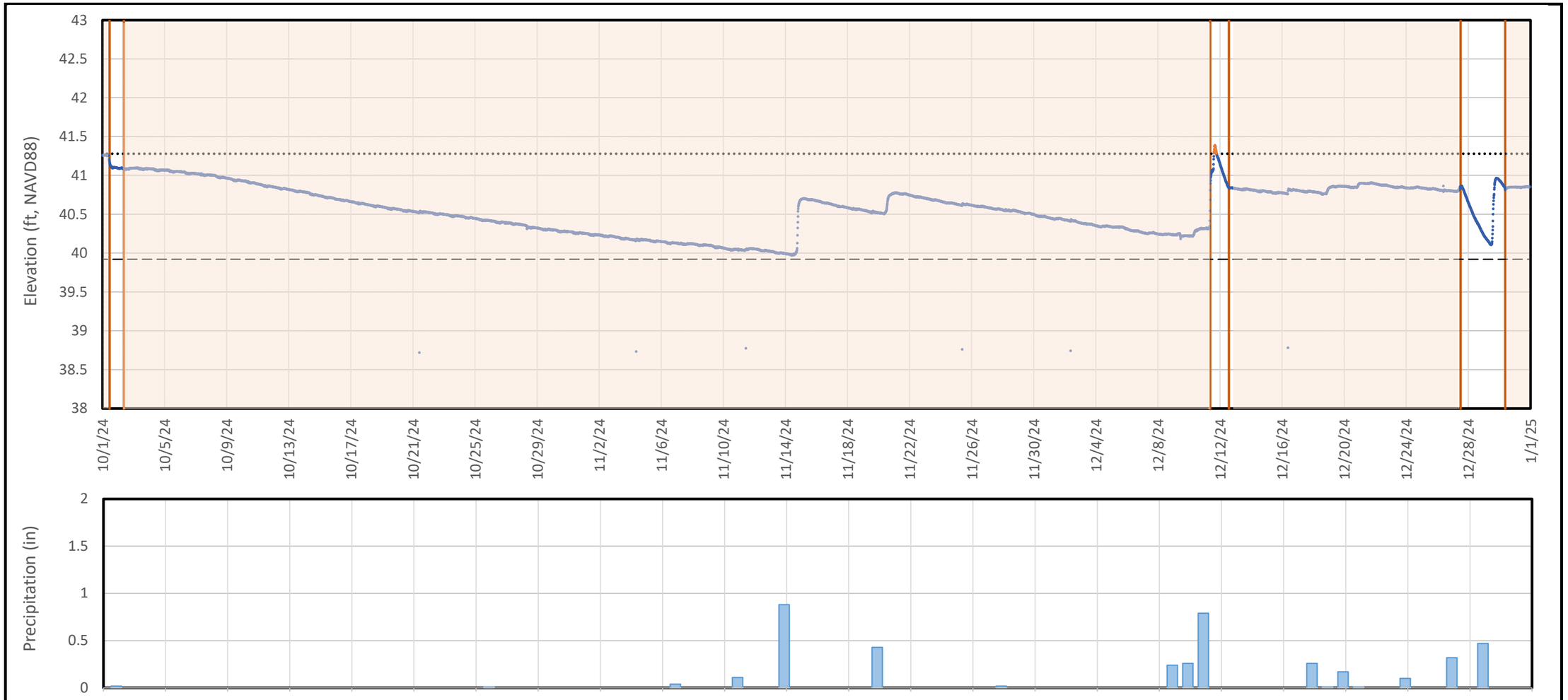
Figure 2-4B

Raleigh, NC | March 2025



Legend

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

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 (if any) are shown as an orange line.
Staff gauge data are no longer shown due to lack of precision in the measurements.
Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.
FTC - Flow-Through Cell

FTC Influent Water Elevation
(Oct - Dec 2024) - Seep C
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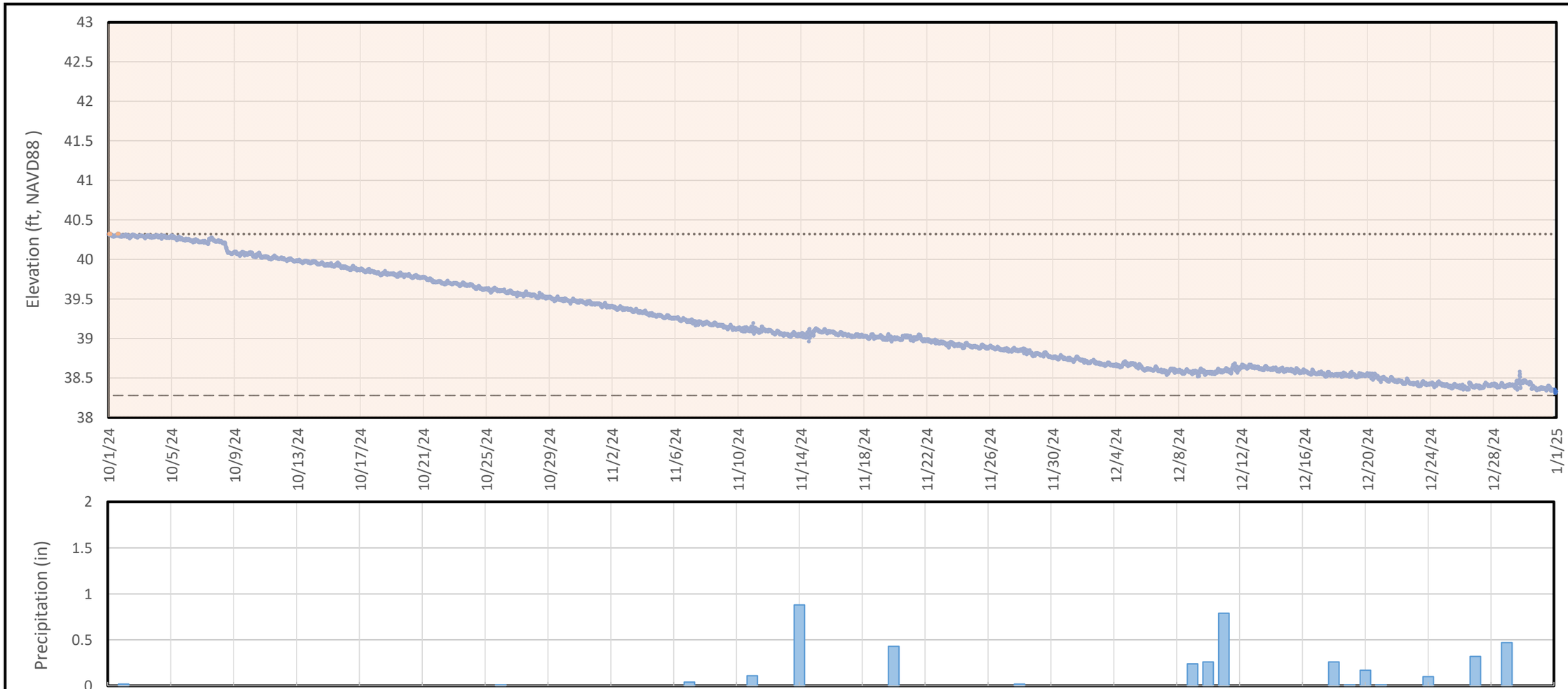
Figure
2-4C



Legend

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

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 (if any) are shown as an orange line. Staff gauge data are no longer shown due to lack of precision in the measurements.

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

FTC - Flow-Through Cell

FTC Influent Water Elevation (Oct - Dec 2024) - Seep D

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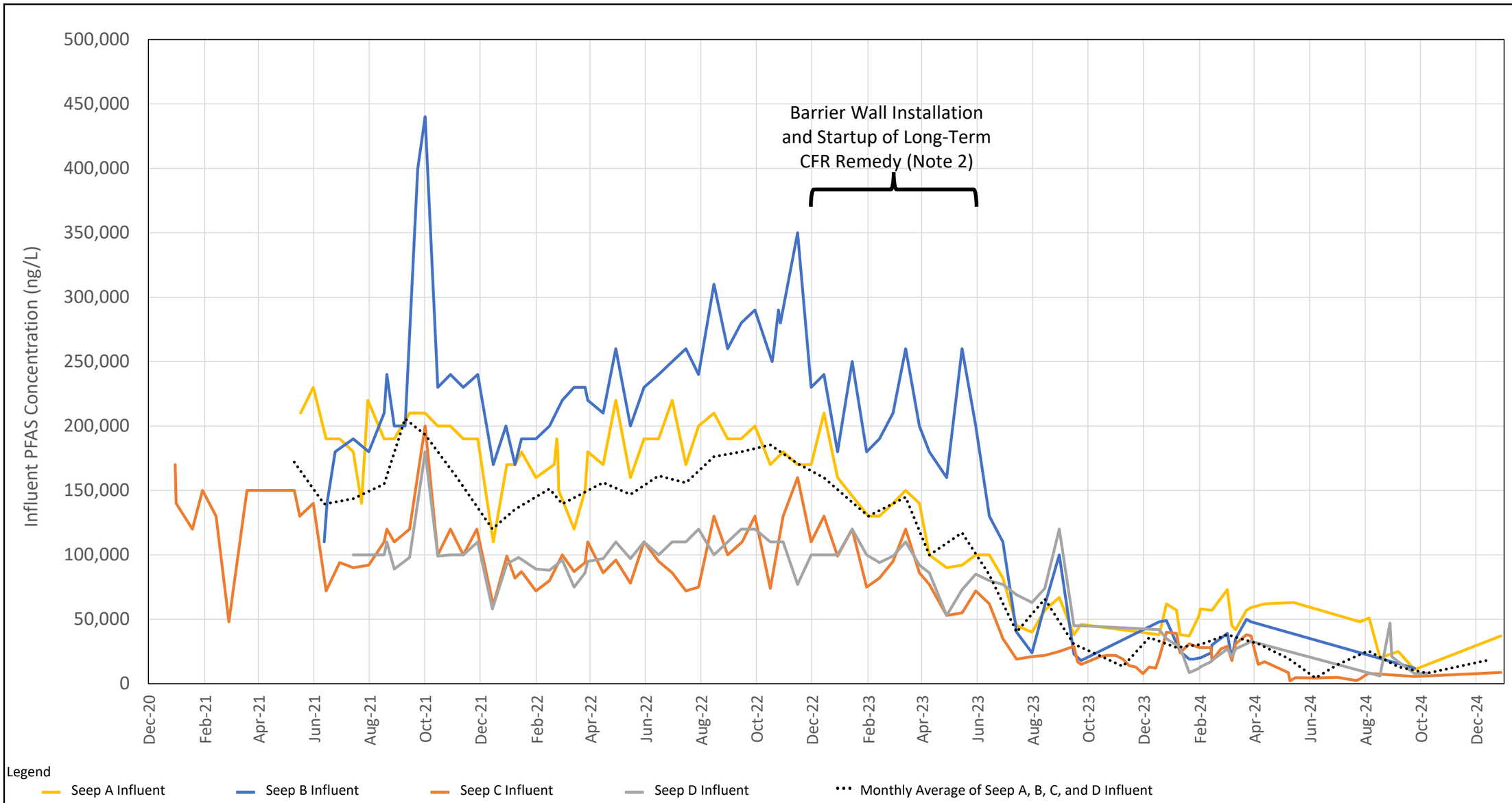
Figure 2-4D



Notes:
1. The flow through cells (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).
2. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.
3. ng/L = nanograms per liter
4. CFR = Cape Fear River

FTC Influent PFAS Concentrations

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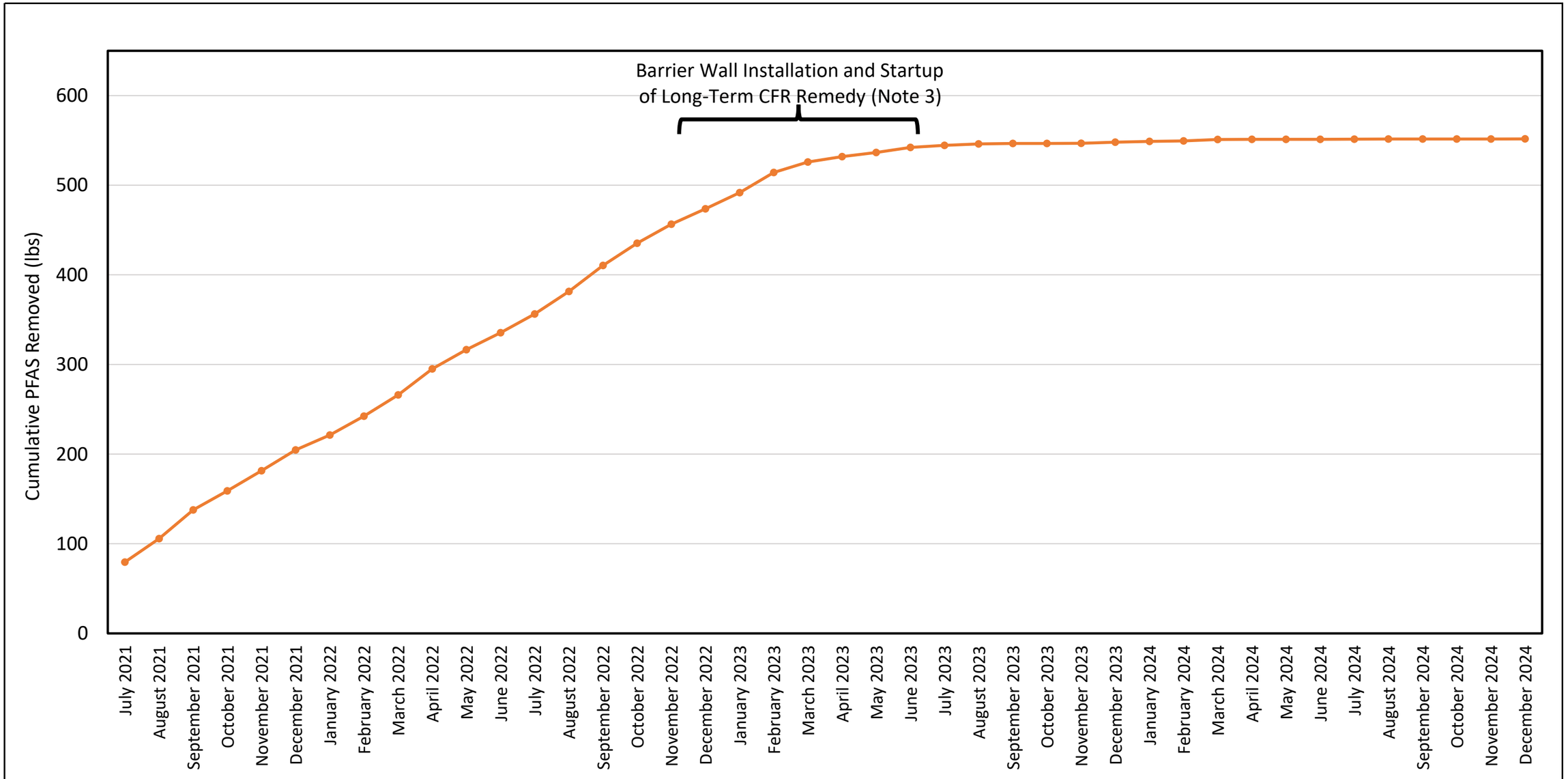
Figure 2-5



Legend

Cumulative PFAS Removed (lbs)

Notes:

1. 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.
2. Total lbs of PFAS removed is calculated for Total Table 3+ (17 Compounds).
3. The barrier wall test panel was installed December 2022, and the remainder of the wall was installed from February through June 2023. The groundwater extraction startup was initiated March 2023 and the ex-situ seep and weep capture systems were initiated April 2023.

FTC Mass Removal Curve
(July 2021 - December 2024)

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Figure 2-6

N

Willis Creek

Cape Fear River

SMW-03B
SMW-09
OW-59
OW-11
OW-41
OW-57
WC-SW-5
PIW-11
OW-42
WC-SW-4
OW-56
OW-12
OW-55
PIW-12
PW-02
BCA-01
PIW-14
SMW-12
OW-43
OW-13
PIW-13
OW-54
WC-SW-3
WC-SW-2
WC-SW-1
PIW-15
PIW-2D
OW-14
PIW-1D
PW-14
PW-03
BCA-02
PW-15R
NAF-11B
PW-04
OW-31
OW-32
OW-38
OW-39
PW-11
OW-29
OW-26
OW-4R
PIW-10DR
OW-40
OW-9R
OW-30
OW-33
OW-50
OW-27
OW-28
OW-51
OW-37
OW-49
OW-25
OW-24
OW-8
OW-7
OW-36
OW-21
OW-53
OW-2
OW-34
OW-35
OW-19
OW-3
OW-17
OW-15
OW-18
OW-44
OW-45
OW-46
OW-48
OW-23
OW-22
OW-47
OW-52
OW-20
PW-10RR
PIW-5SR
OW-16
PIW-4D
PIW-3D
LTW-02
PZ-22
LTW-04
LTW-03
PIW-8D
LTW-05
PIW-7S
PIW-7D

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

500 250 0 500 Feet

Hydraulic Head Evaluation Network for Groundwater Remedy

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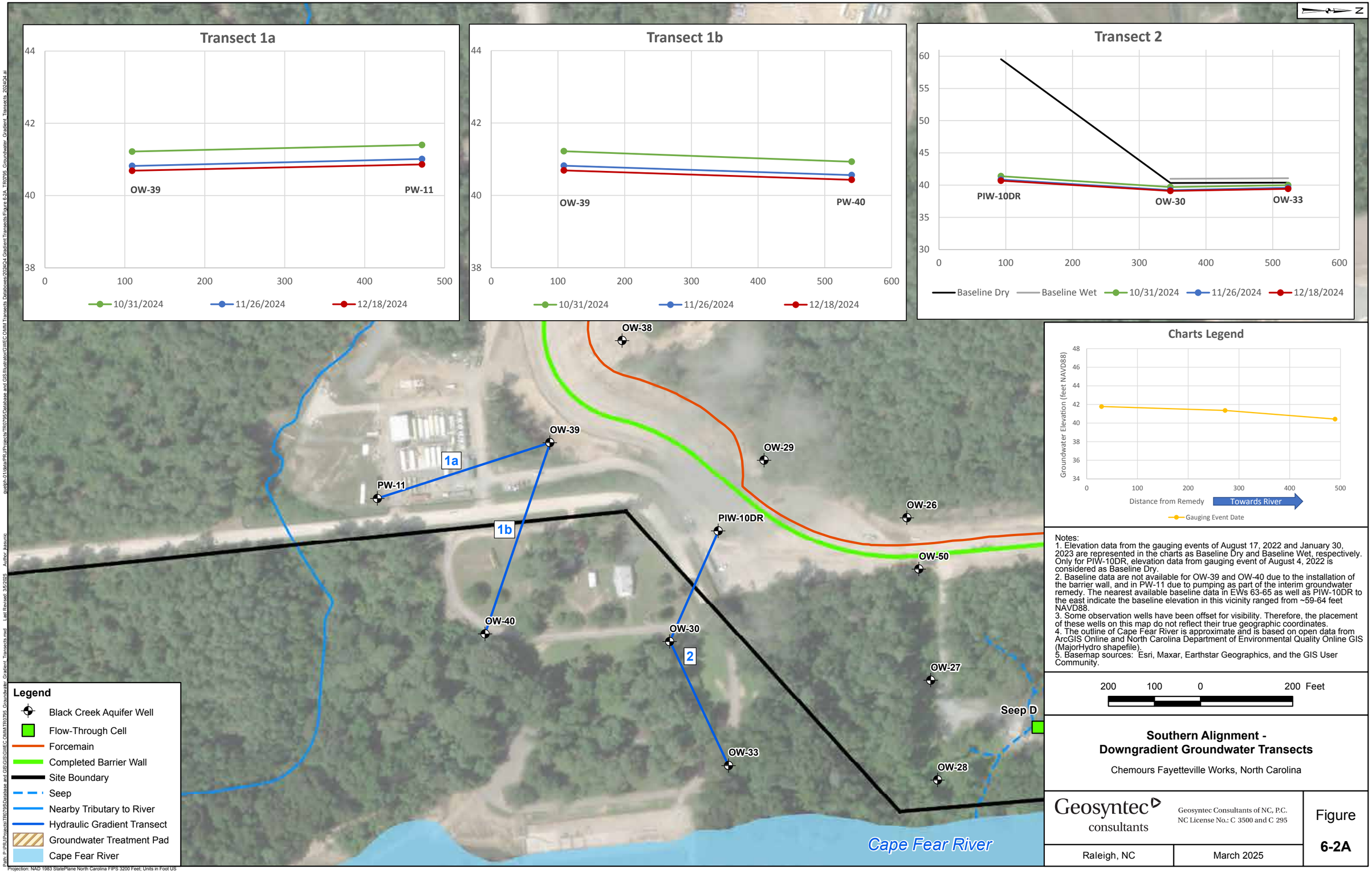
Figure 6-1

Path: P:\PRJ\Projects\TR0796\Database and GIS\GIS\GW\EC OMM\TR0796_Hydraulic Head Evaluation Network for Groundwater Remedy_Landscape_Nov2024.mxd Last Revised: 11/22/2024 Author: Tp

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

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795 Groundwater Gradient Transects.mxd Last Revised: 3/5/2025 Author: jkasunic
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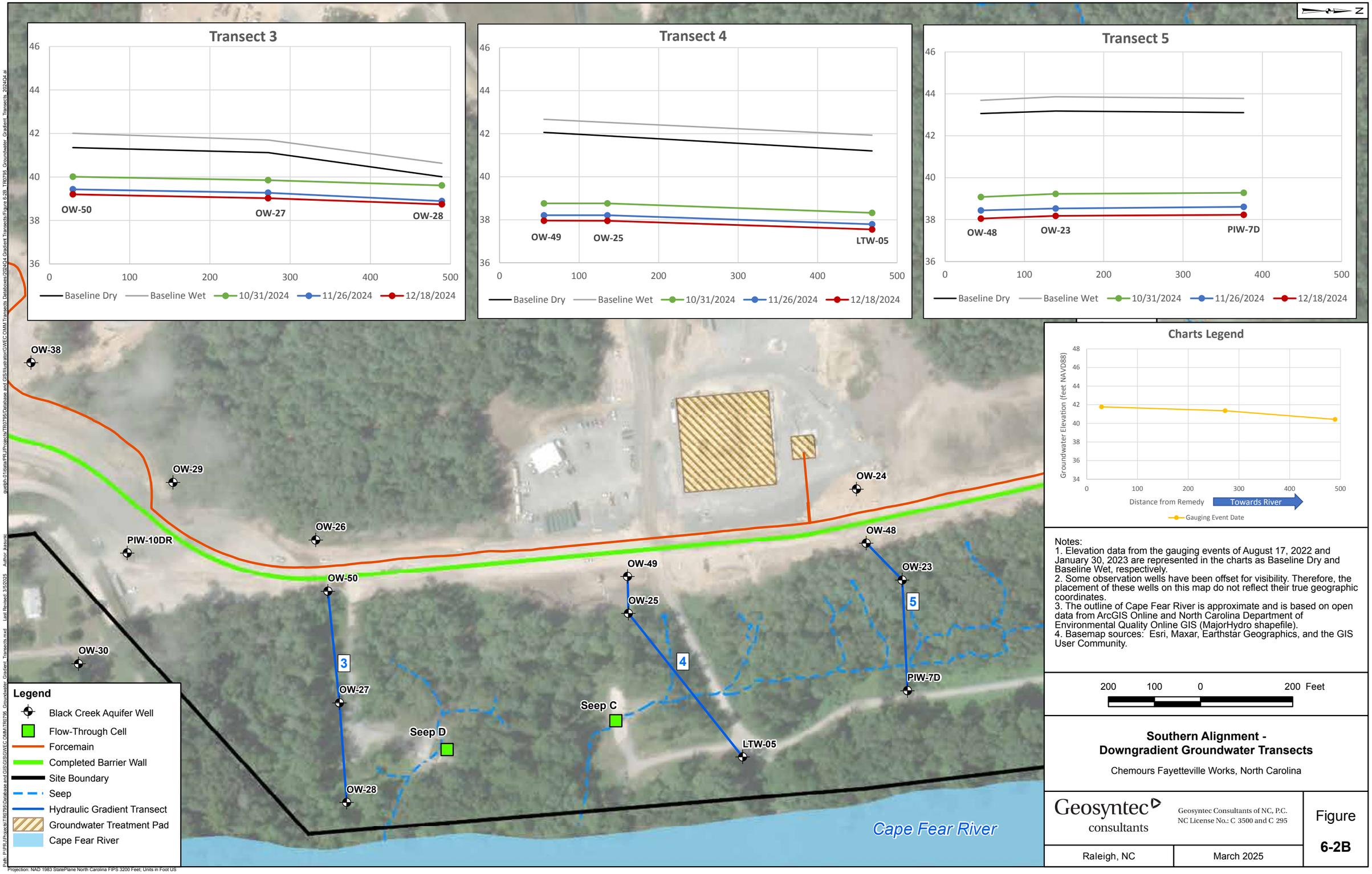
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



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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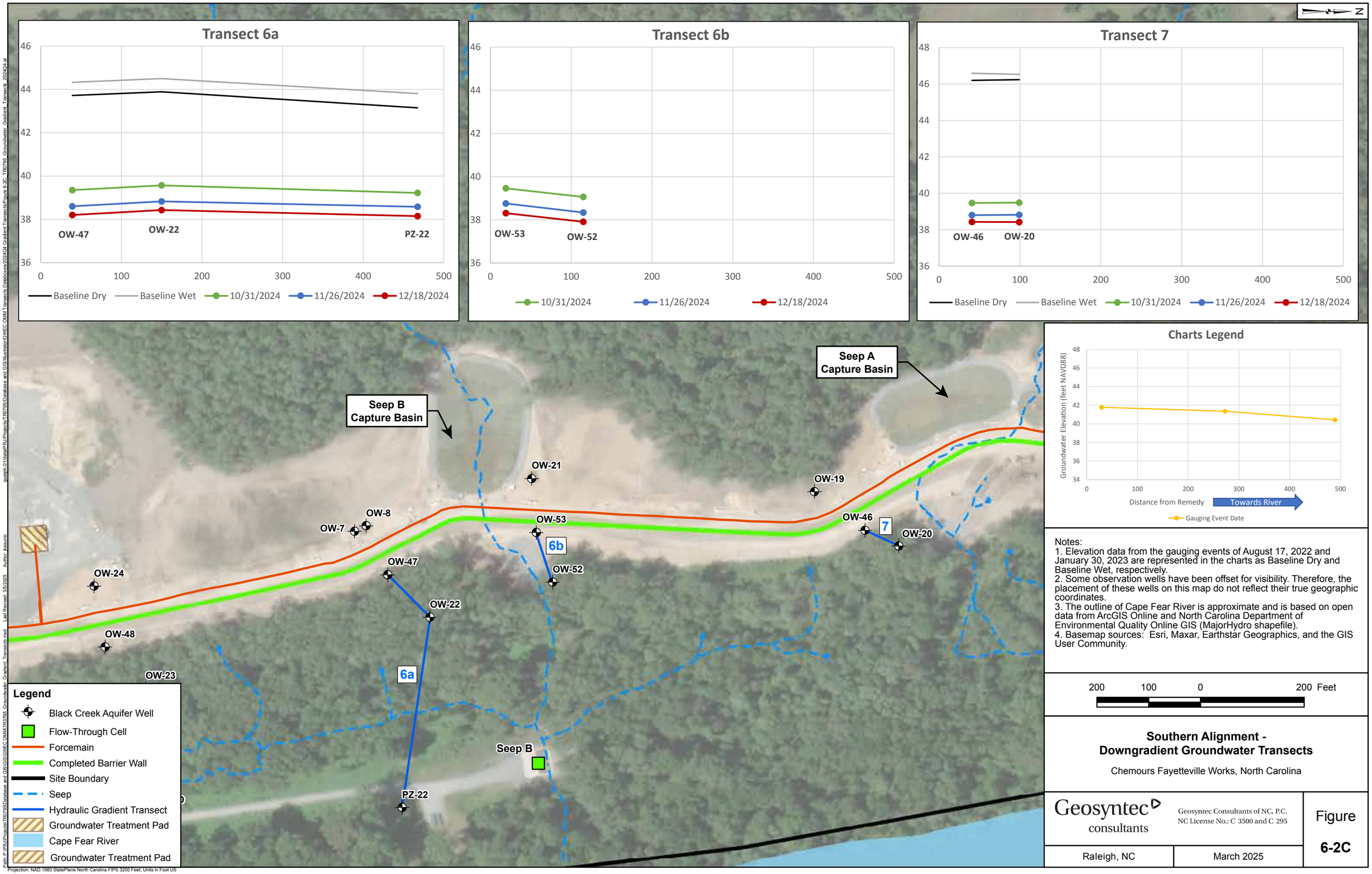
Figure **6-2B**

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

Path: P:\PR.J\Projects\TR0795\Database and GIS\GIS\GWEC OMM\TR0795_Groundwater_Gradient_Transects.mxd Author: jkasunic Last Revised: 3/5/2025 guelph-01\data\PR.J\Projects\TR0795\Database and GIS\Illustrator\GWEC OMM Transects Databoxes\2024Q4 Gradient Transects\Figure 6-2B_TR0795_Groundwater_Gradient_Transects_2024Q4.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 **6-2C**

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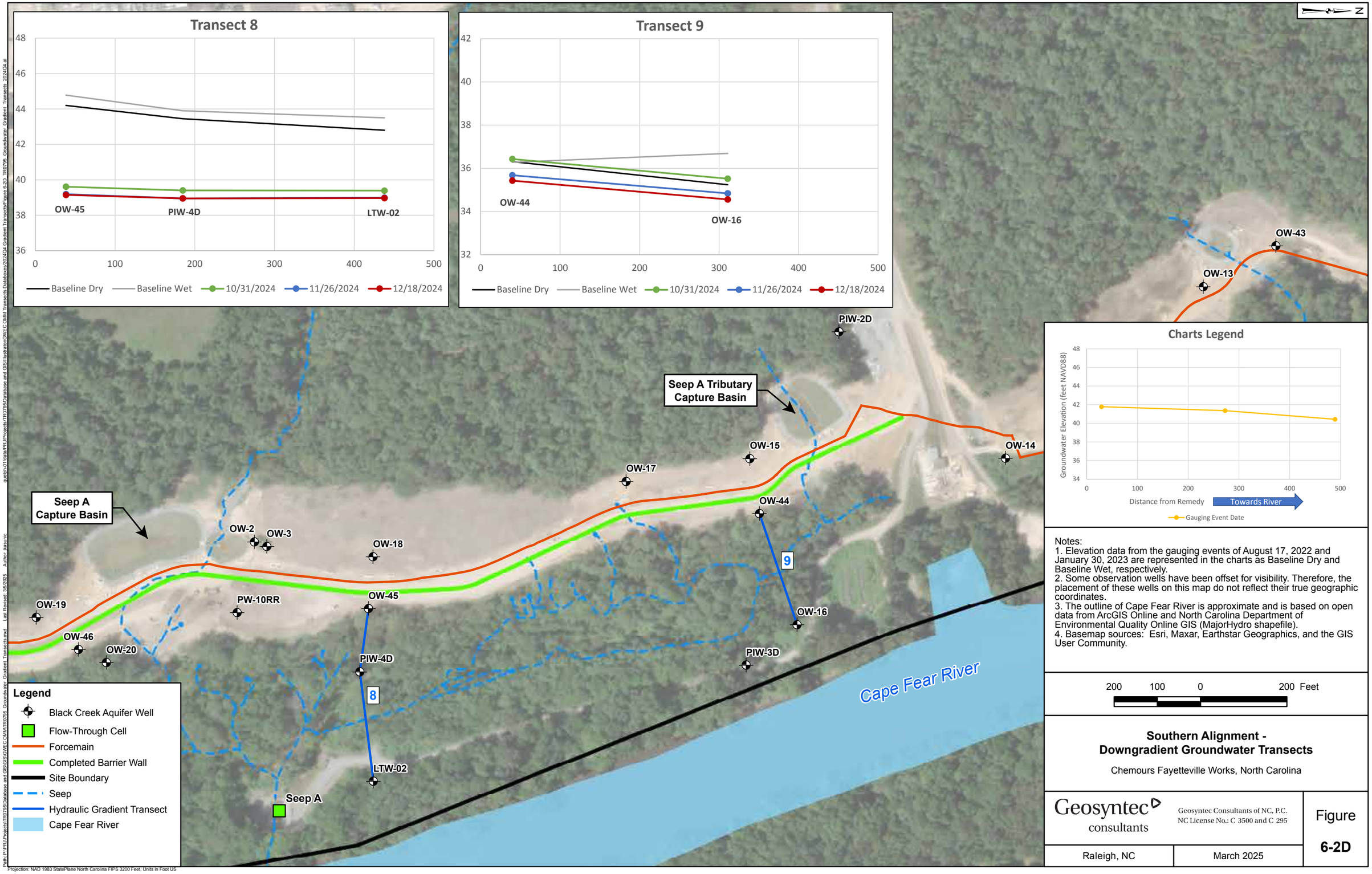
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



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 **6-2D**

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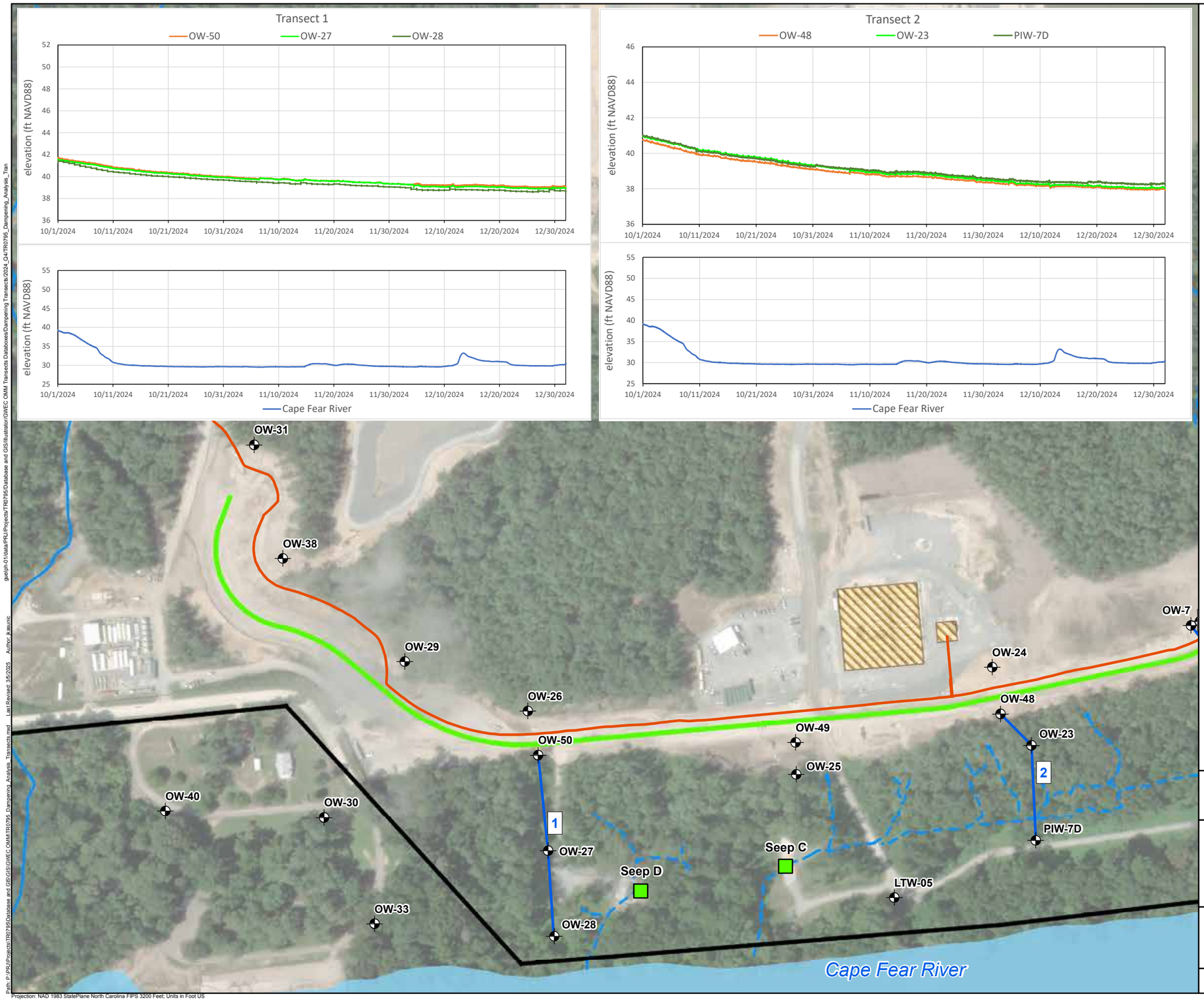
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

- Black Creek Aquifer Well
- Flow-Through Cell
- Forcemain
- Completed Barrier Wall
- Site Boundary
- Seep
- Nearby Tributary to River
- Dampening Analysis
- Groundwater Treatment Pad
- Cape Fear River

Notes:
1. 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.
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.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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Figure **6-3A**

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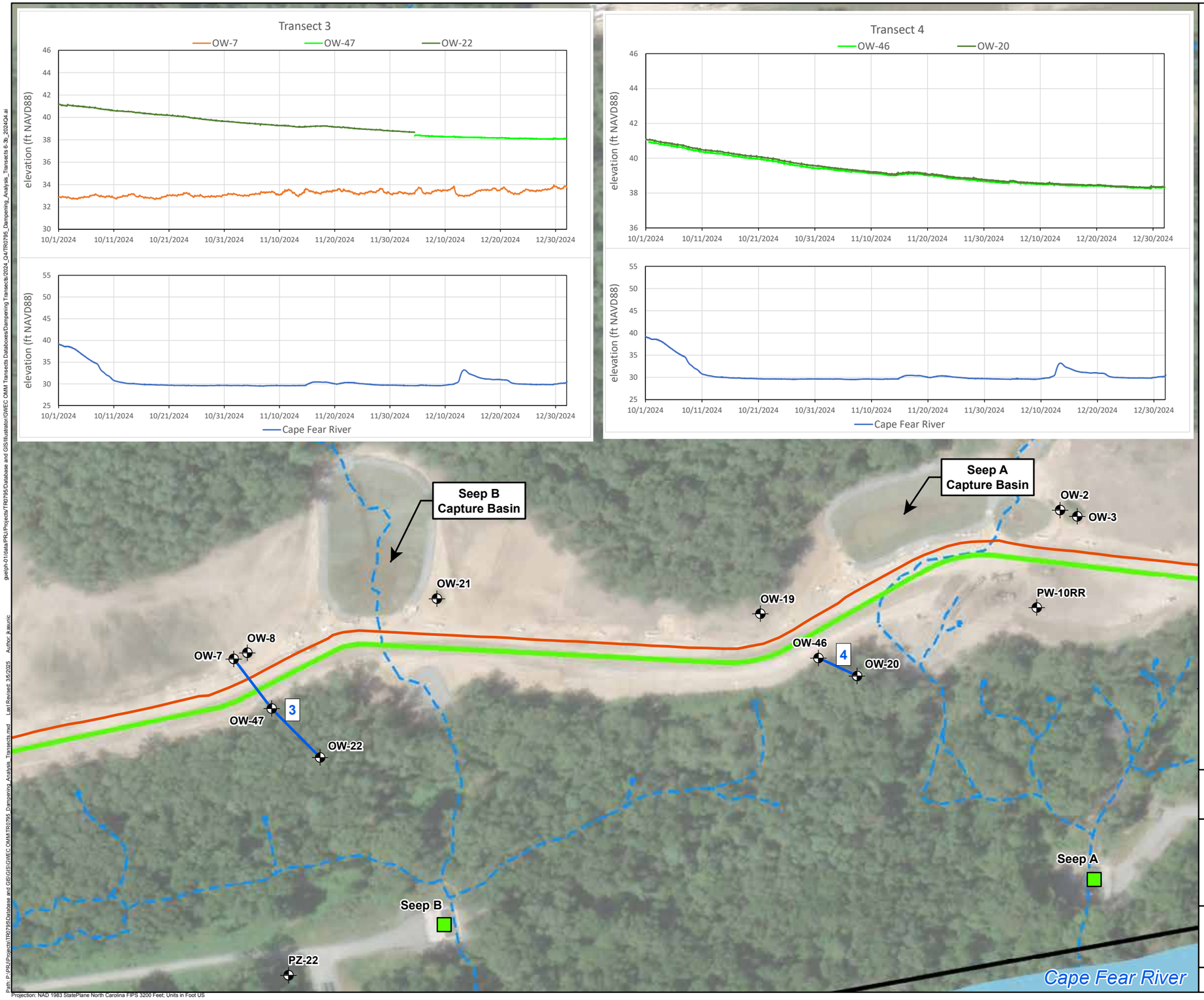
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US



Legend

- Black Creek Aquifer Well
- Flow-Through Cell
- Forcemain
- Completed Barrier Wall
- Site Boundary
- Seep
- Dampening Analysis
- Cape Fear River

Notes:
1. Gap in elevation data for OW-22 and OW-47 is due to malfunctioning of the installed transducer.
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**

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

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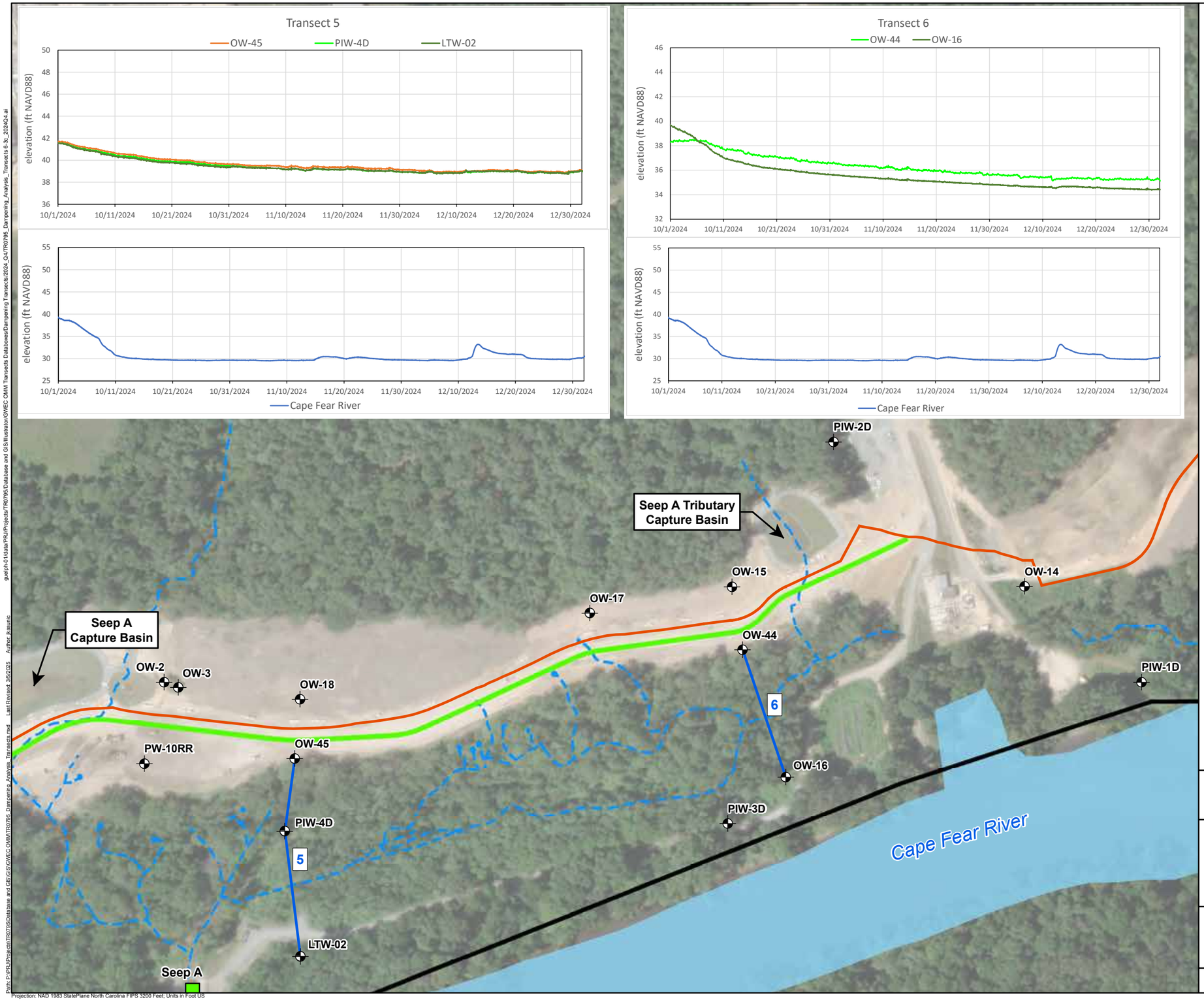

Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

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Legend

- Black Creek Aquifer
- Flow-Through Cell
- Forcemain
- Completed Barrier Wall
- Site Boundary
- Seep
- Dampening Analysis
- Cape Fear River

Notes:
1. 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.
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.

250 125 0 250 Feet

Southern Alignment - Dampening Analysis Transects

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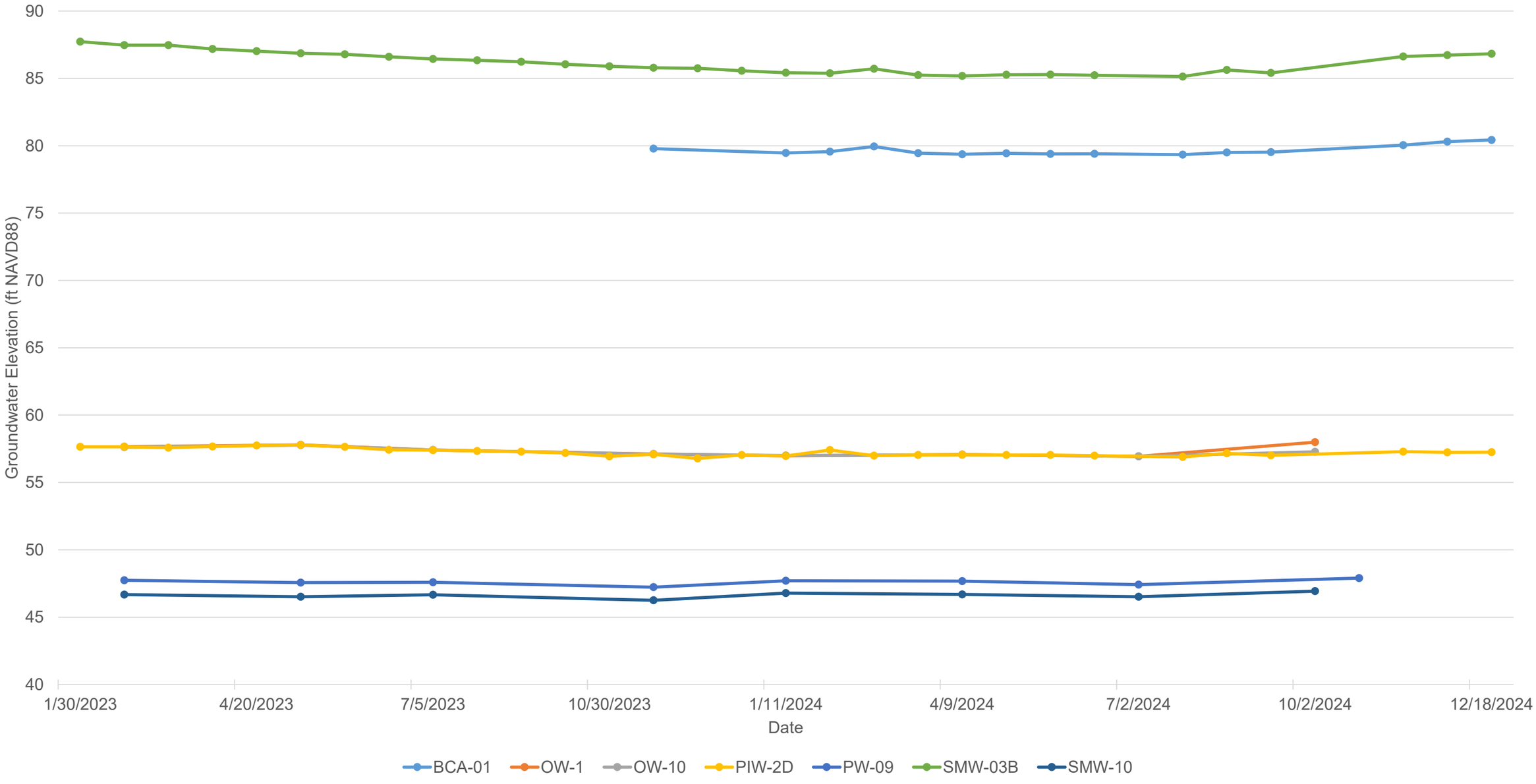
Figure **6-3C**



Notes:

1. Wells OW-1, OW-10, and PIW-2D are located in a cluster, less than 50 ft from each other. For the range presented, groundwater elevations at these wells are very similar, creating an appearance of a single line series.
2. For BCA-01, groundwater elevation data before November 1, 2023 is unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
3. For OW-1, OW-10, PW-09, and SMW-10, groundwater elevation data is collected on a quarterly basis under the Mass Loading Assessment program and not the Performance Monitoring Program, so there is only a single gauging event per quarter.

Groundwater Elevation at Select Observation Wells Upgradient of Willis Creek Remedy

Chemours Fayetteville Works
Fayetteville, North Carolina

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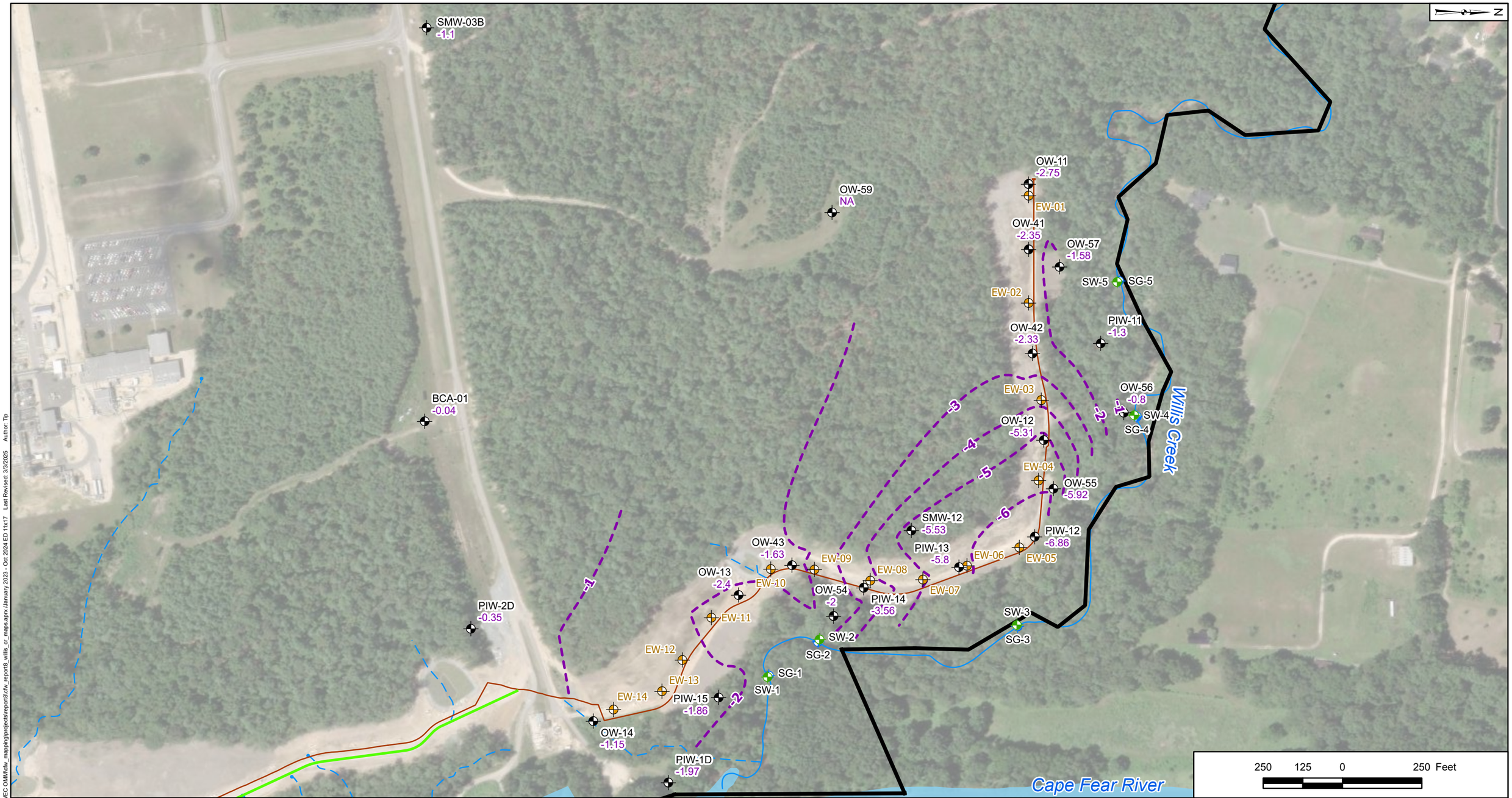
Raleigh, NC | March 2025

Figure 6-4



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- October 2024 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. Antecedent daily total rainfall (October 28-30): 0.00 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, elevation difference is not applicable (NA) because the well was installed in November 2024 and there is no representative baseline elevation to compare monthly elevation.

Northern Alignment
January 2023 Versus October 2024
Elevation Difference

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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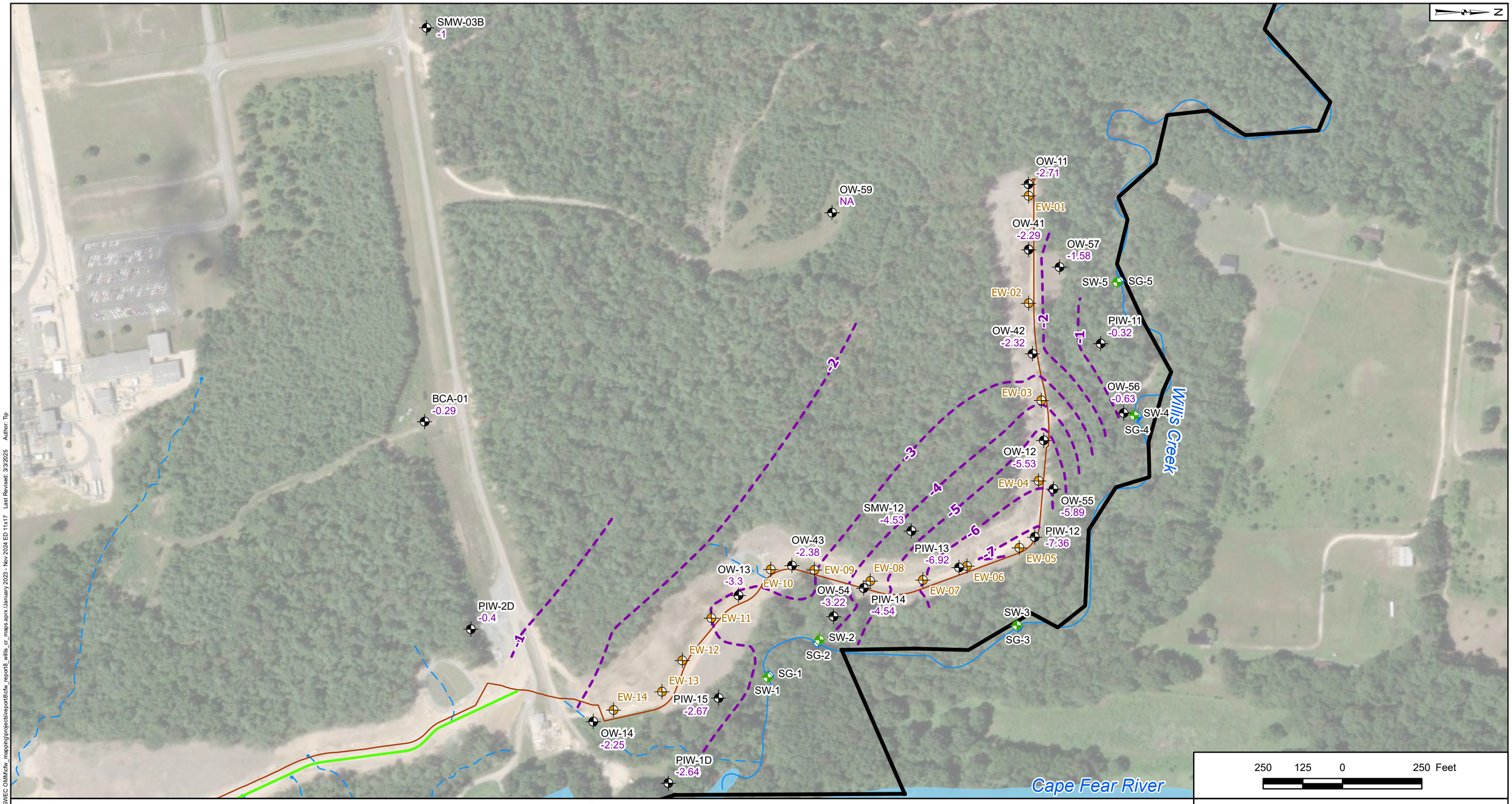
Raleigh, NC | March 2025

Figure 6-5A

Path: P:\PRJ\Projects\TRO7958\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report8\cfw_report8_willis_cr_maps.aprx /January 2023 - Oct 2024 ED 11x17 Last Revised: 3/3/2025 Author: Tp



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- November 2024 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. Antecedent daily total rainfall (November 23-25): 0.00 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, elevation difference is not applicable (NA) because the well was installed in November 2024 and there is no representative baseline elevation to compare monthly elevation.

Northern Alignment
January 2023 Versus November 2024
Elevation Difference

Chemours Fayetteville Works, North Carolina

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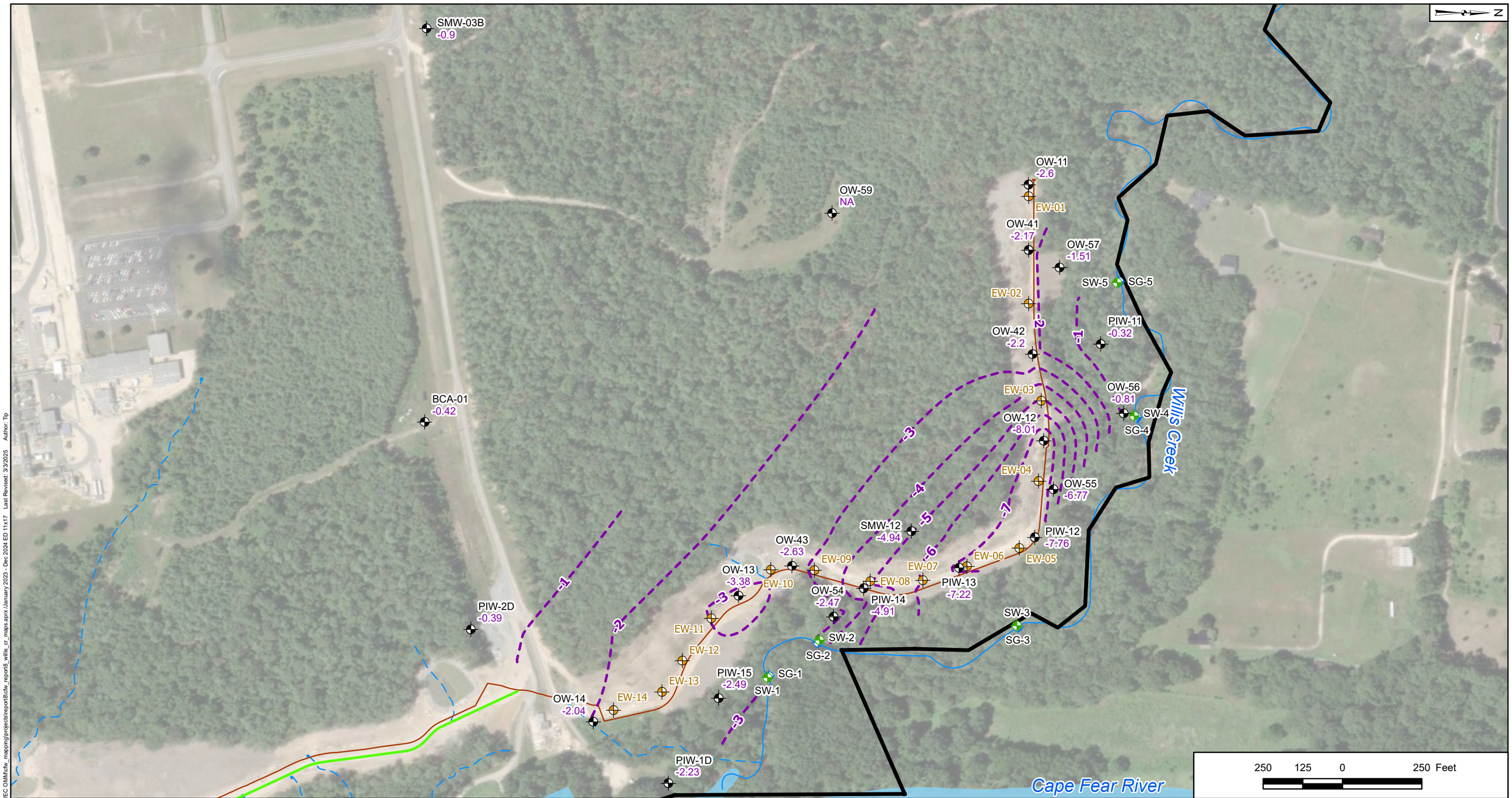
Figure 6-5B

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GW\ECC OMM\cfw_mapping\projects\report8\cfw_report8_willis_cr_maps.aprx /January 2023 - Nov 2024 ED 11x17 Last Revised: 3/3/2025 Author: Tip



Legend

- Black Creek Aquifer
- Staff Gauge
- Stilling Well
- Extraction Well
- December 2024 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. Antecedent daily total rainfall (December 15-17): 0.00 inches
4. The elevation difference contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
5. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location. To calculate monthly elevation difference, the September 2023 elevation is used as baseline.
6. For OW-59, elevation difference is not applicable (NA) because the well was installed in November 2024 and there is no representative baseline elevation to compare monthly elevation.

Northern Alignment
January 2023 Versus December 2024 Elevation Difference

Chemours Fayetteville Works, North Carolina

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NC License No.: C 3500 and C 295

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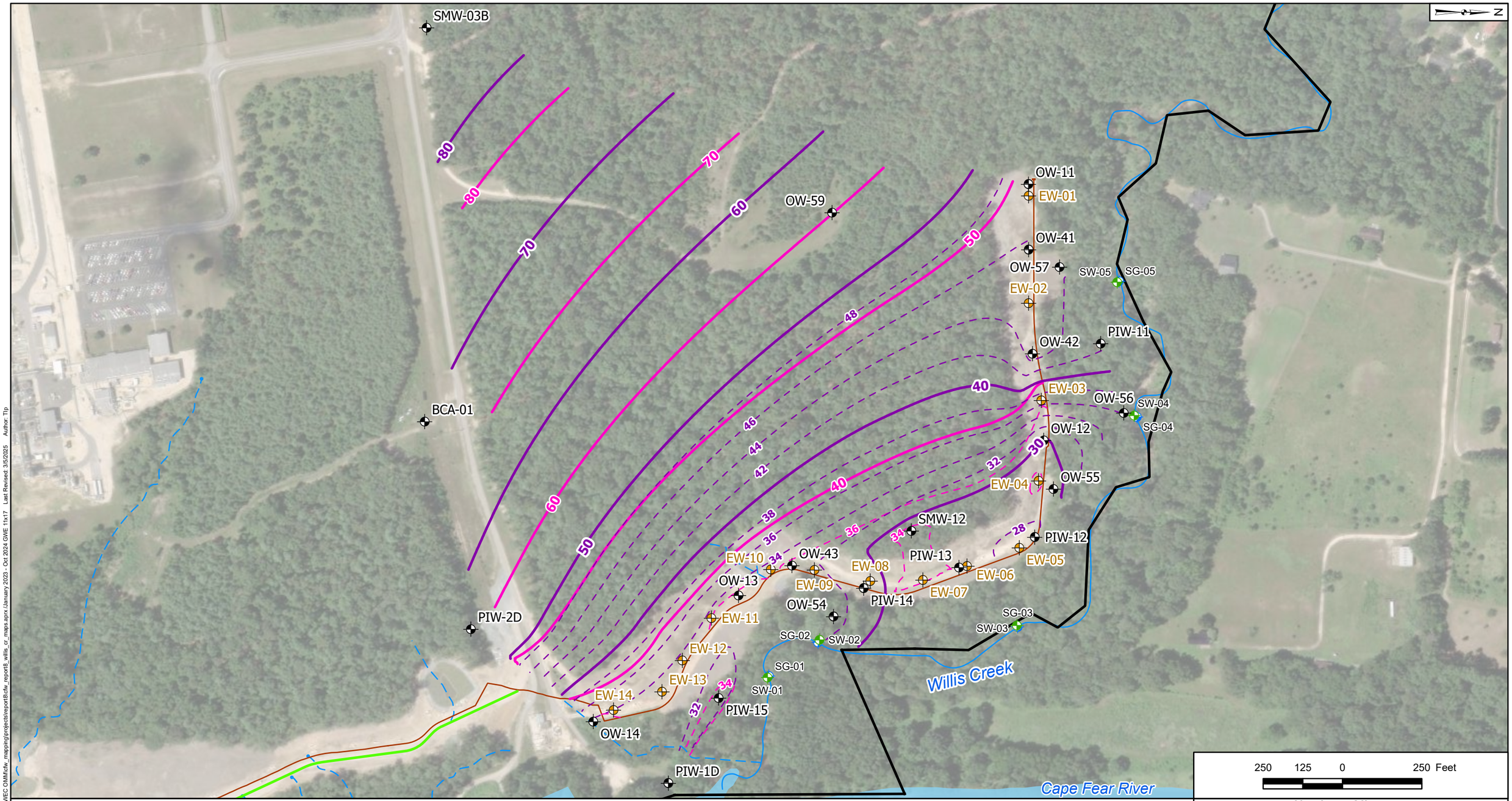
Figure 6-5C

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GVEC OMM\cfw_mapping\projects\report8\cfw_report8_wills_cr_maps.aprx /January 2023 - Dec 2024 ED 11x17 Last Revised: 3/3/2025 Author: Tip



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft October 2024 GW Elevation
- 10-ft October 2024 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

Notes:
1. Antecedent daily total rainfall (October 28-30): 0.0 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.
5. Stilling well SW-02 was dry during the October gauging.
6. For OW-59, water elevation was not measured (NM) because this well was installed in November 2024.

Northern Alignment
Potentiometric Map
January 2023 - October 2024
Chemours Fayetteville Works, North Carolina

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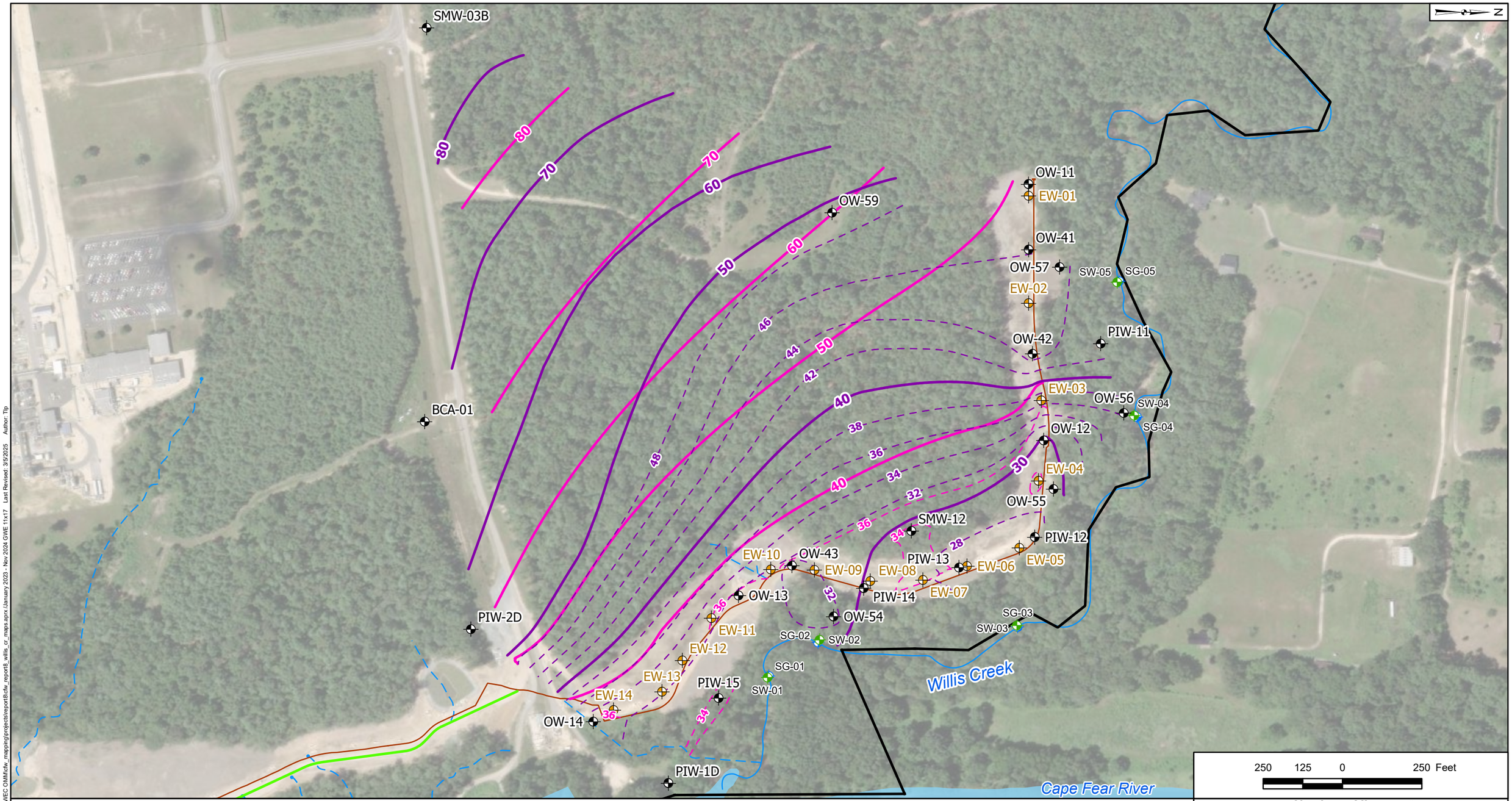
Figure 6-6A

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report8\cfw_report8_willis_cr_maps.aprx /January 2023 - Oct 2024 GWE 11x17 Last Revised: 3/5/2025 Author: Tip



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft November 2024 GW Elevation
- 10-ft November 2024 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

Notes:
1. Antecedent daily total rainfall (November 23-25): 0.0 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.

Northern Alignment
Potentiometric Map
January 2023 - November 2024
Chemours Fayetteville Works, North Carolina

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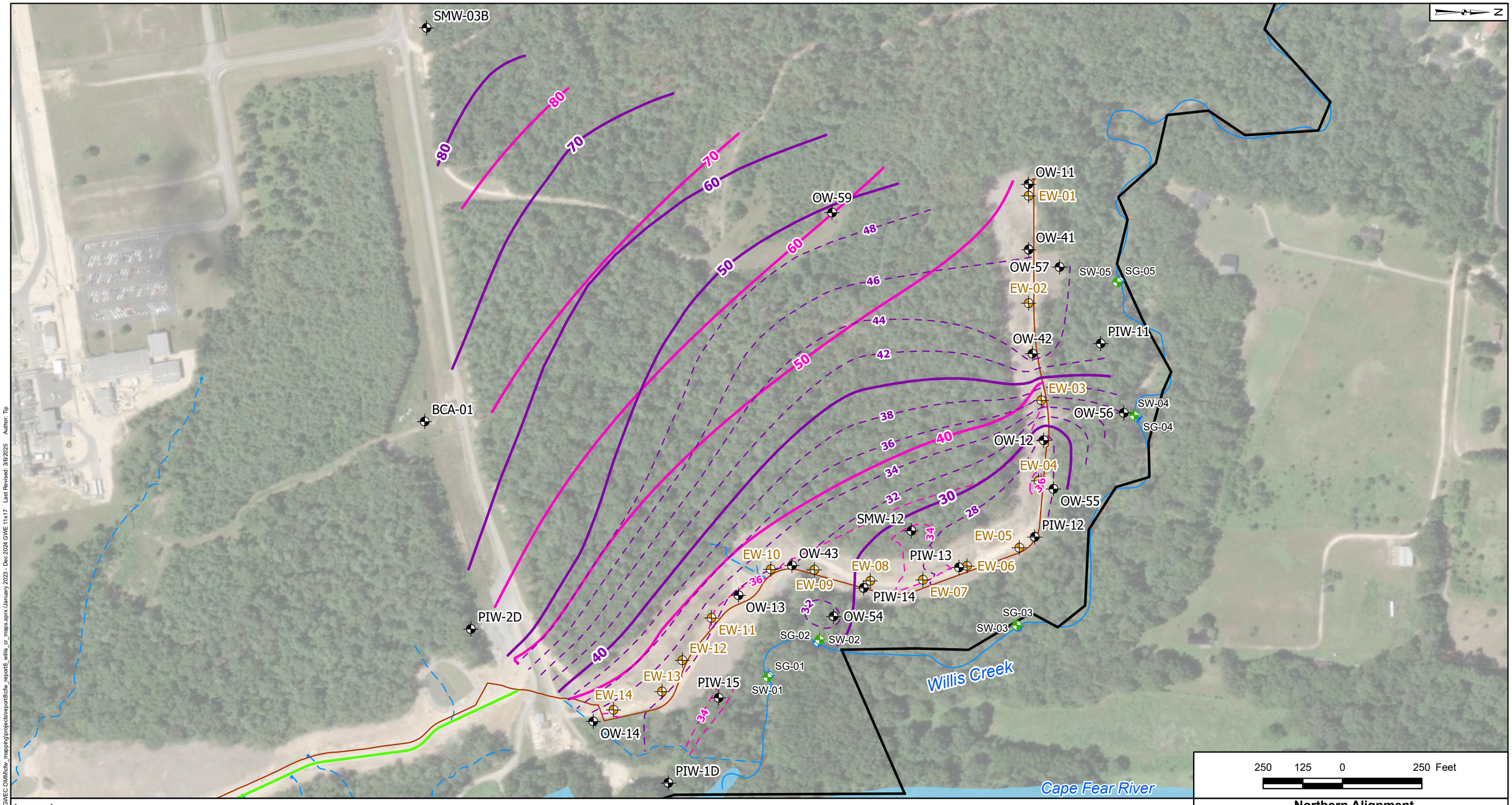
Raleigh, NC | March 2025

Figure 6-6B

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GVEC OMM\cfw_mapping\gw\projects\report8\cfw_report8_willis_cr_maps.aprx /January 2023 - Nov 2024 GWE 11x17 Last Revised: 3/5/2025 Author: Tip



Legend

- Black Creek Aquifer
- Extraction Well
- Staff Gauge
- Stilling Well
- 2-ft December 2024 GW Elevation
- 10-ft December 2024 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

Notes:
1. Antecedent daily total rainfall (December 15-17): 0.0 inches
2. Surficial elevations at staff gauges and stilling wells shown but not used for contouring of groundwater (GW) elevations
3. The elevation contour lines are not extended in the region that is north and east of the monitoring wells PIW-12 and PIW-13 (between forcemain and Willis Creek) because steep topography of this region did not allow for installation of additional wells.
4. For BCA-01, January 2023 baseline elevations are unavailable because of interim pumping of the Black Creek Aquifer being performed at this location.

Northern Alignment
Potentiometric Map
January 2023 - December 2024
Chemours Fayetteville Works, North Carolina

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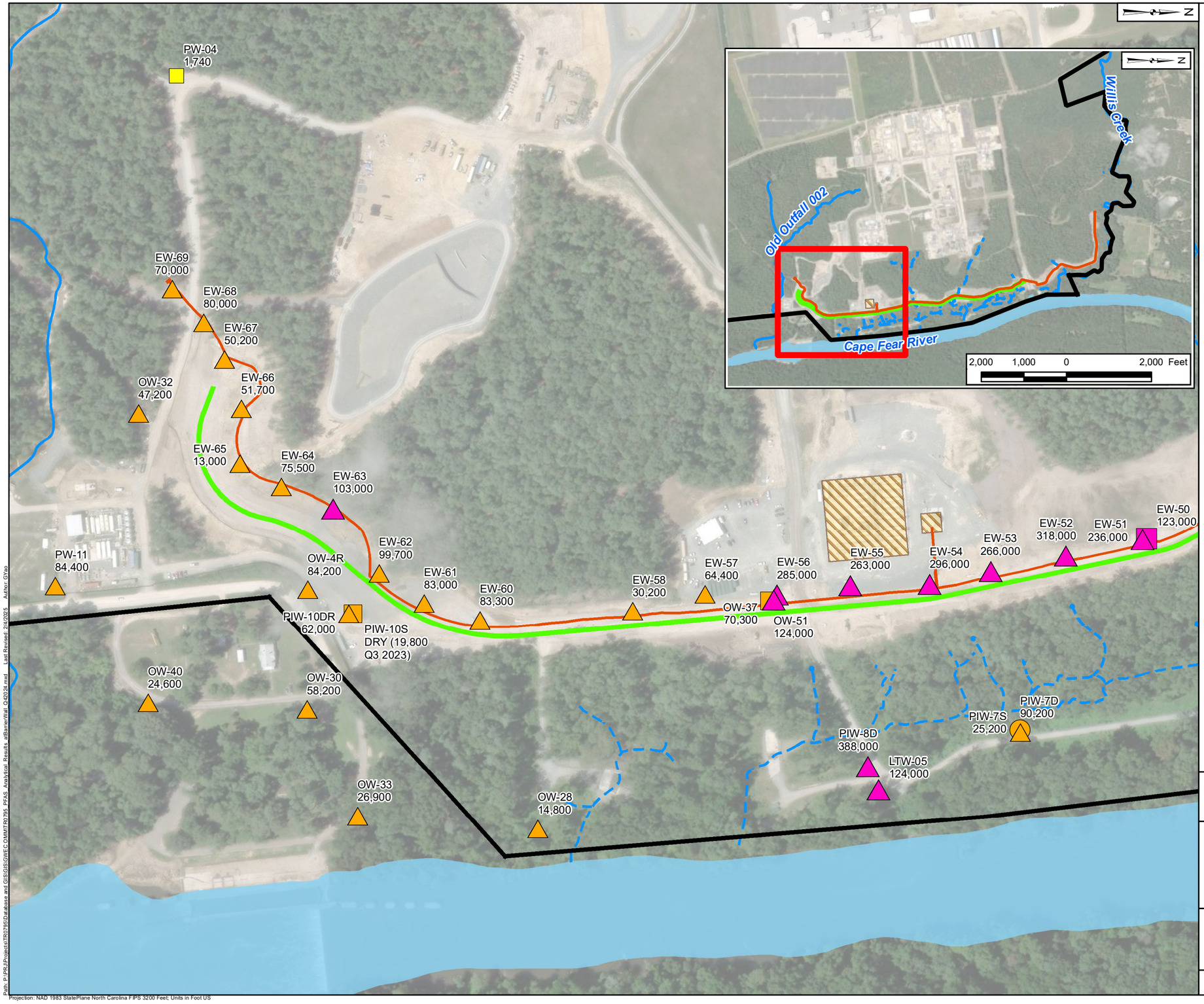
Raleigh, NC | March 2025

Figure 6-6C

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMM\cfw_mapping\projects\report8\cfw_report8_wills_cr_maps.aprx /January 2023 - Dec 2024 GWE 11x17 Last Revised: 3/6/2025 Author: Tip



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

- 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 extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q4 2024 are shown. Wells OW-54, PIW-10S, and PIW-5SR were dry during their most recent sampling in Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q4 2024 sampling performed on October 24, 2024.
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.

190 95 0 190 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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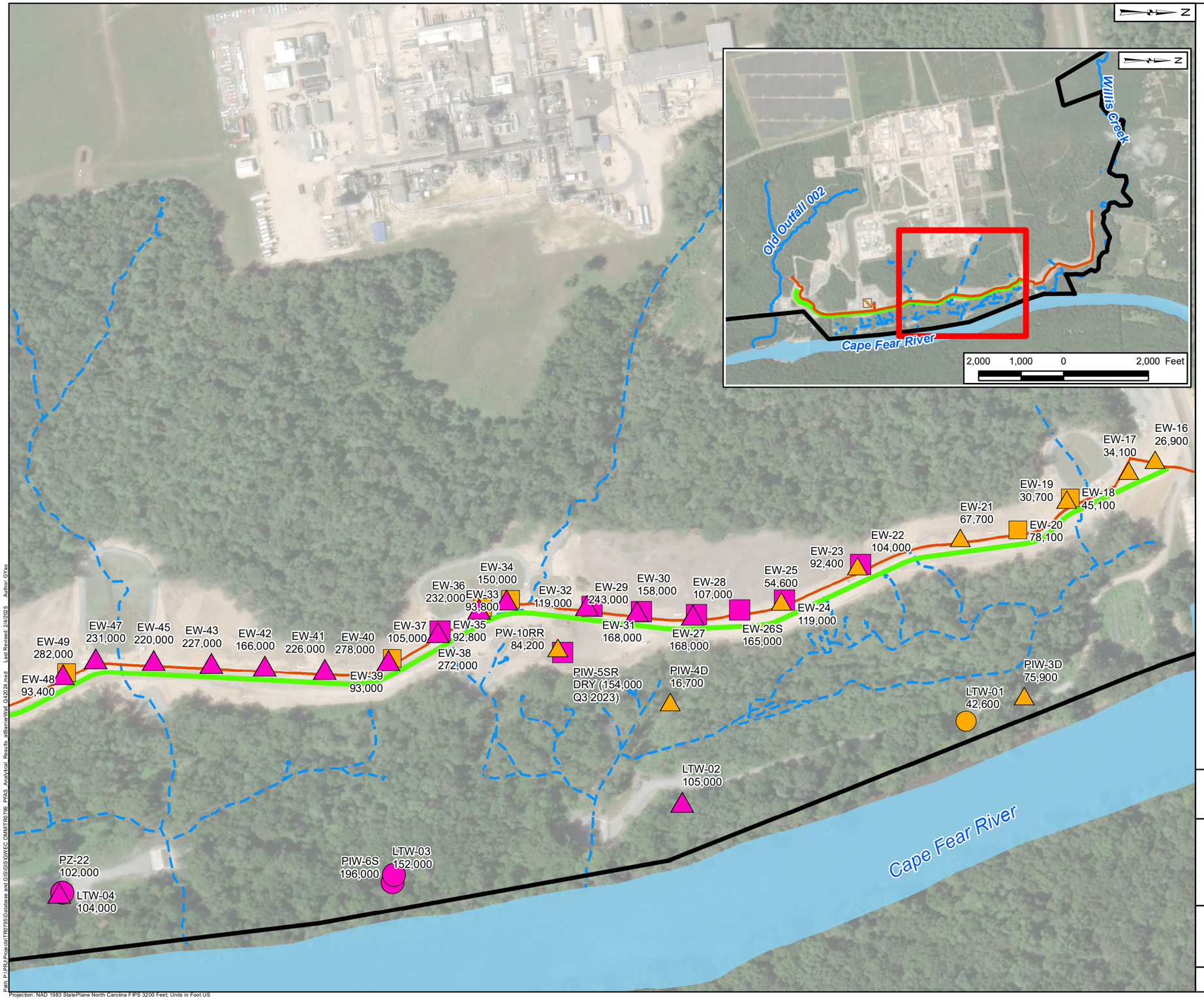
Raleigh, NC | March 2025

Figure
6-7A

Path: P:\PRJ\Projects\TR0705\Database and GIS\GIS\GWEC OMMT\R0705_PFAS_Analytical_Results_atBarrierWall_Q42024.mxd Last Revised: 2/4/2025 Author: GYao

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
- 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 extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q4 2024 are shown. Wells OW-54, PIW-10S, and PIW-5SR were dry during their most recent sampling in Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q4 2024 sampling performed on October 24, 2024.
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.

190 95 0 190 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

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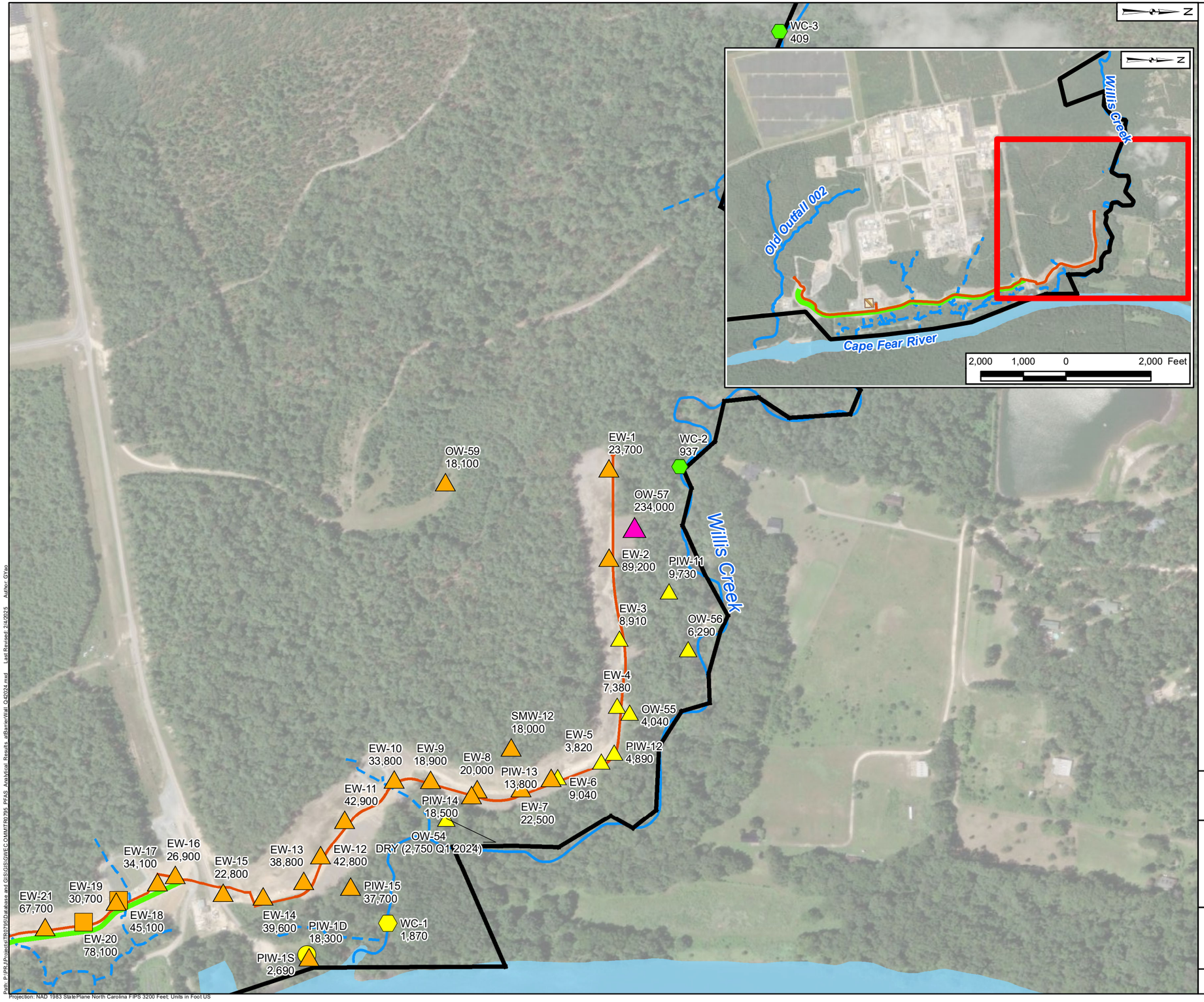
Raleigh, NC | March 2025

Figure **6-7B**

Path: P:\PRJ\Projects\TR0795\Database and GIS\GIS\GWEC OMMITR0795_PFAS_AnalyticalResults_atBarrierWall_Q42024.mxd Last Revised: 2/4/2025 Author: GYeo

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
- 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 extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q4 2024 are shown. Wells OW-54, PIW-10S, and PIW-5SR were dry during their most recent sampling in Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q4 2024 sampling performed on October 24, 2024.
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.

280 140 0 280 Feet

PFAS Analytical Results

Chemours Fayetteville Works, North Carolina

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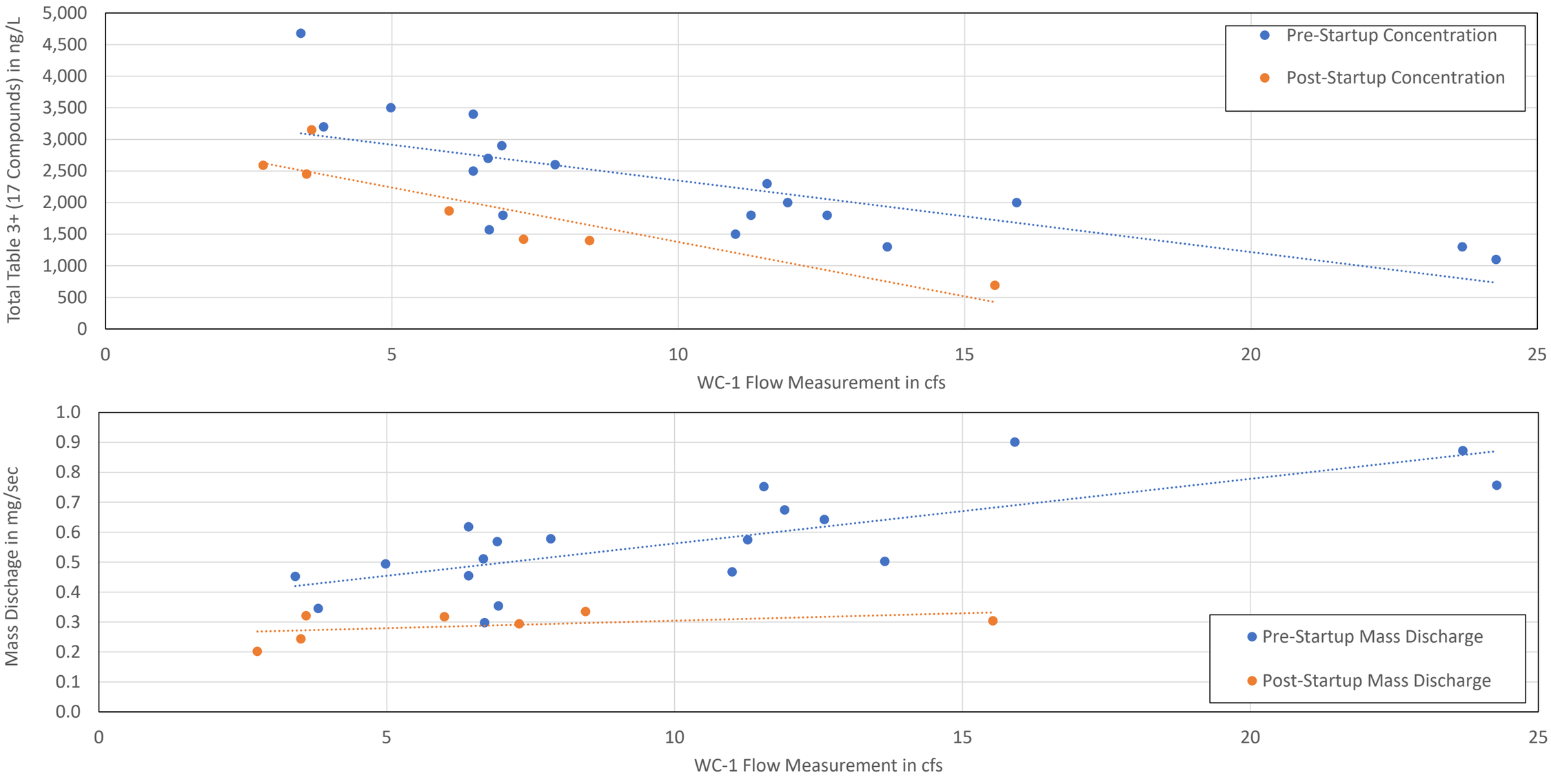
Raleigh, NC | March 2025

Figure
6-7C



Notes:

1. Concentration and mass discharge data are plotted above for Willis Creek location WC-1 near the confluence with the Cape Fear River.
2. Linear trendlines are shown for presentation purposes only. A statistical regression analysis has not been performed.

ng/L = nanograms per liter; mg/sec = milligrams per second; cfs = cubic feet per second

Willis Creek Location WC-1 PFAS Concentration and Mass Discharge

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Figure 6-8

WC-3
409

WC-2
937

Willis Creek

OW-56
6,290

PIW-11
9,730

OW-57
234,000

OW-55
4,040

EW-1
23,700

EW-2
89,200

EW-3
8,910

EW-4
7,380

PIW-12
4,890

EW-5
3,820

PIW-13
13,800

EW-6
9,040

SMW-12
18,000

EW-7
22,500

EW-8
20,000

PIW-14
18,500

OW-59
18,100

EW-9
18,900

OW-54
DRY (2,750 Q1 2024)

EW-10
33,800

WC-1
1,870

Willis Creek
Tributary Capture

EW-11
42,900

PIW-15
37,700

EW-12
42,800

EW-13
38,800

PIW-1S
2,690

PIW-1D
18,300

EW-14
39,600

EW-15
22,800

EW-16
26,900

EW-17
34,100

Seep A
Tributary Capture Basin
(includes Weeps 9, 10, 11)

EW-19
30,700

EW-18
45,100

EW-20
78,100

PIW-3D
75,900

LTW-01
42,600

EW-21
67,700

EW-22
104,000

EW-23
92,400

EW-24
119,000

EW-25
54,600

EW-26S
165,000

EW-28
107,000

EW-27
168,000

PIW-4D
16,700

LTW-02
105,000

EW-30
158,000

EW-29
243,000

Seep-A

EW-31
168,000

PW-10RR
84,200

EW-32
119,000

EW-33
93,800

PIW-5SR
DRY (154,000
Q3 2023)

EW-34
150,000

Seep A
Capture Basin
(includes Weep 7)

EW-36
232,000

EW-35
92,800

EW-38
272,000

EW-37
105,000

EW-40
278,000

EW-39
93,000

EW-41
226,000

EW-42
166,000

Seep-B

EW-43
227,000

Seep B
Capture Basin

EW-45
220,000

EW-47
231,000

EW-48
93,400

EW-49
282,000

PZ-22
102,000

LTW-04
104,000

EW-50
123,000

EW-51
236,000

EW-52
318,000

PIW-7D
90,200

PIW-7S
25,200

Weep 4 and 004 Trench
Drain Capture

EW-53
266,000

EW-54
296,000

PIW-8D
388,000

LTW-05
124,000

EW-55
263,000

EW-56
285,000

Seep-C

Weep 3 Capture

OW-37
70,300

OW-51
124,000

EW-57
64,400

EW-58
30,200

Seep-D

OW-28
14,800

T3-301
11

T3-303
9.0

T3-302
9.1

Transect 3

EW-60
83,300

EW-61
83,000

EW-62
99,700

OW-33
26,900

EW-63
103,000

PIW-10DR
62,000

PIW-10S
DRY (19,800
Q3 2023)

OW-30
58,200

EW-64
75,500

OW-4R
84,200

EW-66
51,700

EW-67
50,200

EW-68
80,000

EW-65
13,000

Lock and Dam Seep North

Lock and Dam Seep

PW-04
1,740

EW-69
70,000

OW-32
47,200

OW-40
24,600

PW-11
84,400

Transect 1

T1-101
ND

T1-103
ND

T1-102
ND

Transect 2

T2-203
10

T2-201
11

T2-202
4.6

LTW-03
152,000

PIW-6S
196,000

Transect 4

GBC-1
1,400

T4-402
19

T4-403
18

T4-401
29

Georgia Branch Creek

500 250 0 500 Feet

0.5 0.25 0 0.5 Miles

N

1

2

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
- Ex-situ Capture Location

- Transect Sampling Location
- 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 extraction wells (EWs), near remedy and downgradient monitoring/observation wells (MWs/OWs), and Willis Creek (WC) stations. EW PFAS results are from the post-startup sampling that was performed on Q2 2024. For the collection of MWs/OWs, most recently available PFAS results through Q4 2024 are shown. Wells OW-54, PIW-10S, and PIW-5SR were dry during their most recent sampling in Q3 2024 sampling. These wells are indicated as dry in the figure along with their last available sampling results. WC PFAS results are from the Q4 2024 sampling performed on October 24, 2024. River transect results are from sampling performed on November 13, 2024.
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.

240 120 0 240 Feet

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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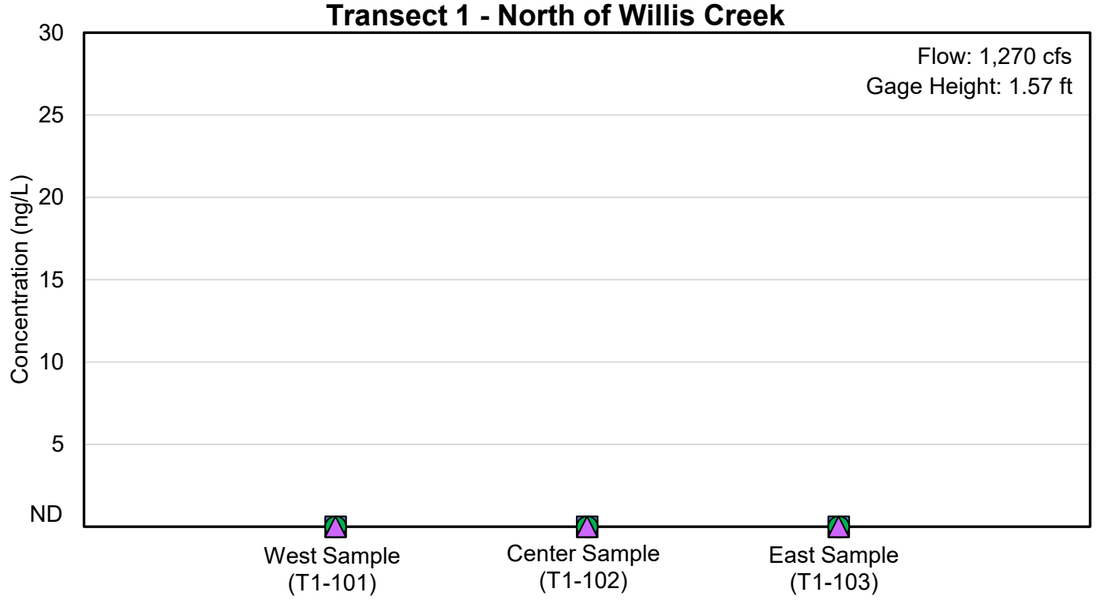
Figure 6-9

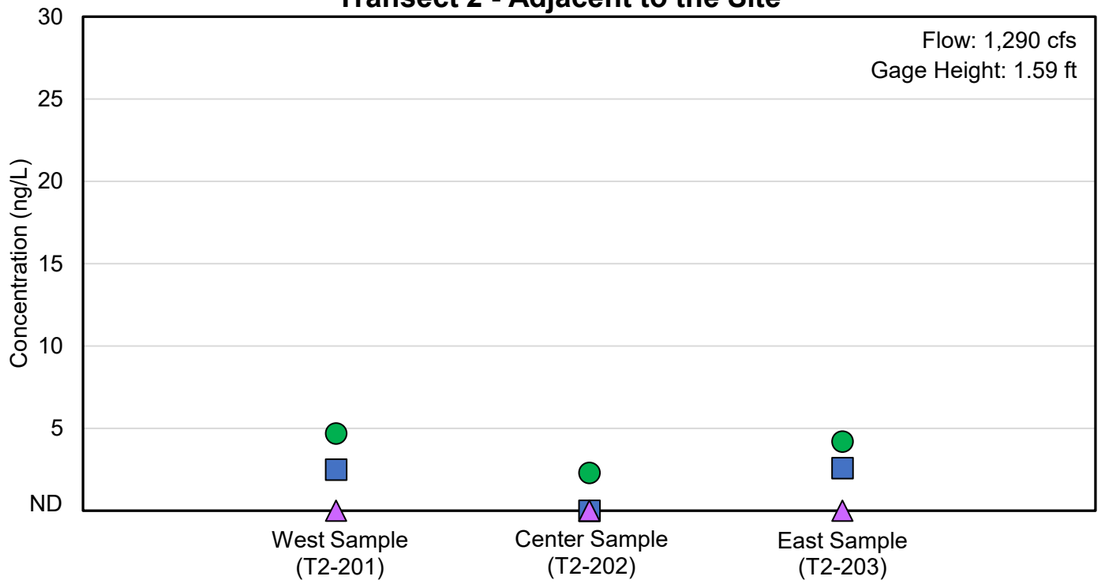
Path: P:\PR\Projects\TR\3795\Database and GIS\GIS\Baseline Monitoring Workplan TR\3795_004\Transect\Sampling Workplan_ATtachments_Response\3795_004_Transect_2024.mxd; GWw; 2/5/2025

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

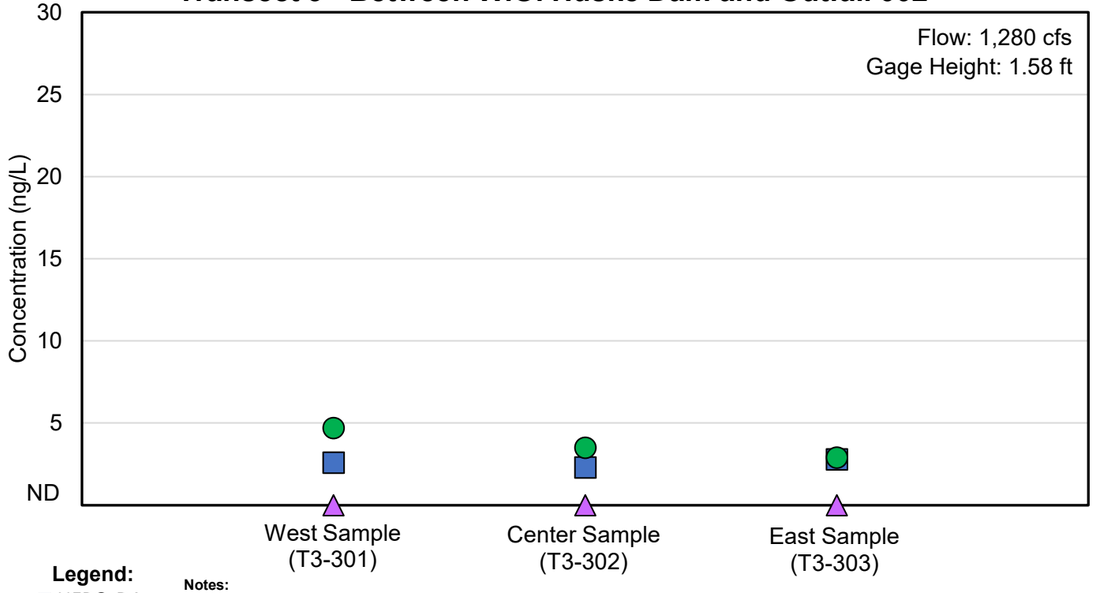
Transect 1 - North of Willis Creek



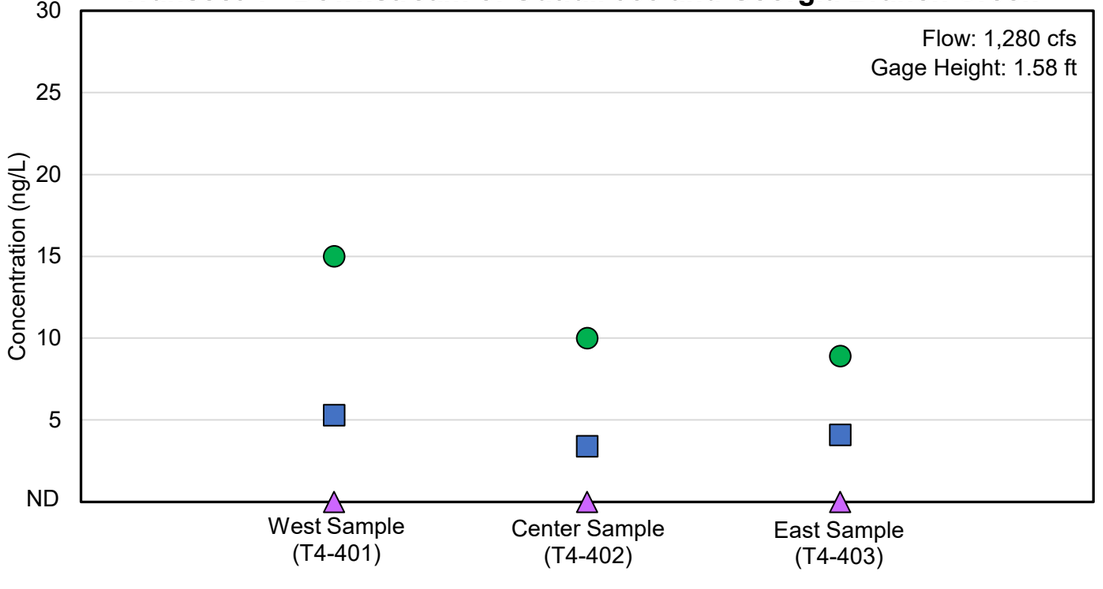
Transect 2 - Adjacent to the Site



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

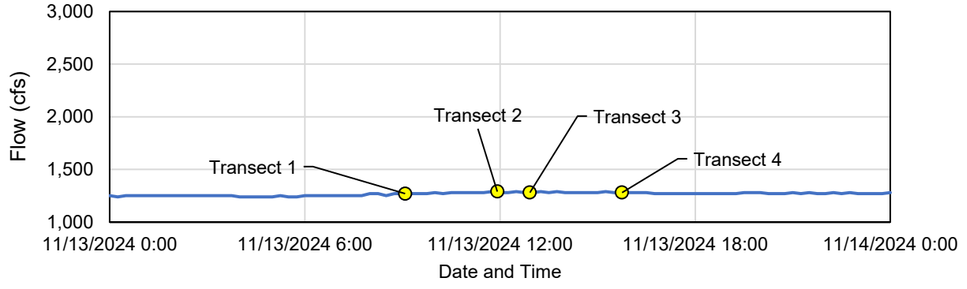


Transect 4 - Downstream of Outfall 003 and Georgia Branch Creek



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 inches

Indicator PFAS Concentrations Across Cape Fear River Transects (November 2024)

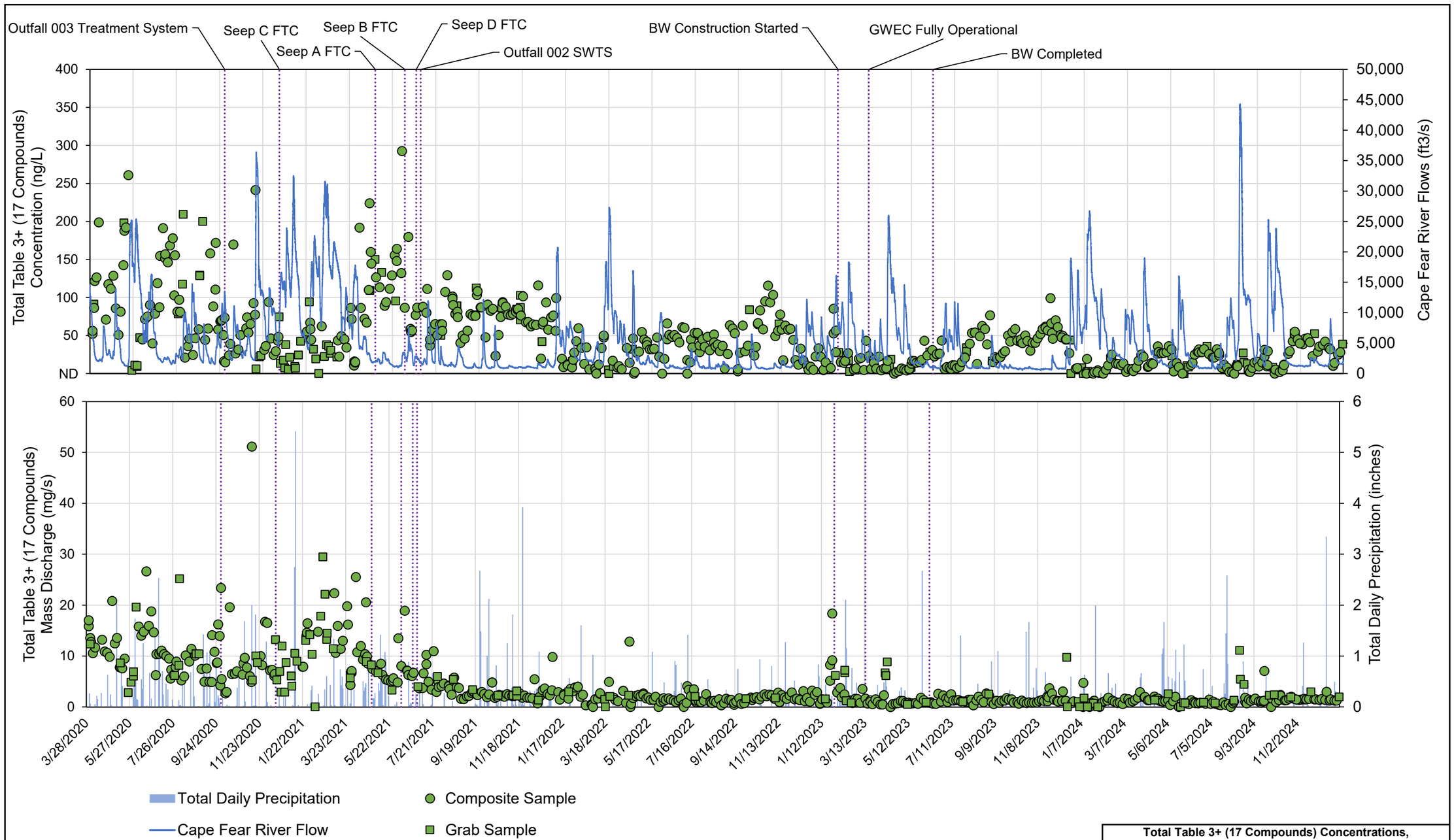
Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

Raleigh | March 2025

Figure 6-10



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.
- PFAS concentrations calculated by summing over Attachment C compounds and Table 3+ (21 compounds) are provided in Appendix B.

Abbreviations:
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

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

Figure **6-11**

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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 4Q24 - PFAS

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
004-INF-1024	320-115952-1	Other Liquid	N	10/03/2024	08:45	FS
004-EFF-1024	320-115953-1	Other Liquid	N	10/03/2024	08:45	FS
004-INF-1024-2	320-116098-1	Other Liquid	N	10/09/2024	07:00	FS
004-EFF-1024-2	320-116109-1	Other Liquid	N	10/09/2024	07:00	FS
004-FBLK-1024	320-116109-2	Blank Water	N	10/09/2024	07:00	FB
004-EFF-1024-3	320-116180-1	Other liquid	N	10/14/2024	07:00	FS
004-INF-1024-3	320-116182-1	Other Liquid	N	10/14/2024	07:00	FS
004-INF-1024-4	320-116467-1	Other Liquid	N	10/21/2024	07:00	FS
004-EFF-1024-4	320-116476-1	Other Liquid	N	10/21/2024	07:00	FS
004-EFF-1024-5	320-116639-1	Other Liquid	N	10/28/2024	07:00	FS
004-INF-1024-5	320-116642-1	Other Liquid	N	10/28/2024	07:00	FS
004-INF-1124	320-116764-1	Other Liquid	N	11/04/2024	07:00	FS
004-EFF-1124	320-116765-1	Other Liquid	N	11/04/2024	07:00	FS
004-INF-1124-2	320-116985-1	Other Liquid	N	11/11/2024	07:00	FS
004-EFF-1124-2	320-116990-1	Other Liquid	N	11/11/2024	07:00	FS
004-FBLK-1124	320-116990-2	Blank Water	N	11/11/2024	07:00	FB
004-EFF-1124-3	320-117131-1	Other Liquid	N	11/18/2024	07:00	FS
004-INF-1124-3	320-117134-1	Other Liquid	N	11/18/2024	07:00	FS
004-INF-1124-4	320-117380-1	Other Liquid	N	11/25/2024	07:00	FS
004-EFF-1124-4	320-117414-1	Other Liquid	N	11/25/2024	07:00	FS
004-INF-1224	320-117477-1	Other Liquid	N	12/03/2024	02:50	FS
004-EFF-1224	320-117480-1	Other Liquid	N	12/03/2024	07:00	FS
004-INF-1224-2	320-117600-1	Other Liquid	N	12/09/2024	07:00	FS
004-EFF-1224-2	320-117603-1	Other Liquid	N	12/09/2024	07:00	FS
004-FBLK-1224	320-117603-2	Blank Water	N	12/09/2024	07:00	FB
004-INF-1224-3	320-117766-1	Other Liquid	N	12/16/2024	07:30	FS
004-EFF-1224-3	320-117770-1	Other Liquid	N	12/16/2024	07:30	FS
004-INF-1224-4	320-117991-1	Other Liquid	N	12/26/2024	07:30	FS
004-EFF-1224-4	320-118003-1	Other Liquid	N	12/26/2024	07:30	FS
004-EFF-1224-5	320-118026-1	Other Liquid	N	12/30/2024	08:00	FS
004-INF-1224-5	320-118030-1	Other Liquid	N	12/30/2024	08:00	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	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 11/24
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 10/24
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 11/24
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	004 NPDES Sampling 12/24

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		X	
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?		X		X	
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

Samples received outside of temperature range

Field Sample ID	Lab Sample ID
004-INF-1024-4	320-116467-1
004-EFF-1024-4	320-116476-1
004-INF-1124-2	320-116985-1
004-EFF-1124-2	320-116990-1
004-FBLK-1124	320-116990-2

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

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

Data Verification Module (DVM)

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

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

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

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

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

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

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

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

DVM Narrative Report

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/24 **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-1024	10/03/2024	320-115953-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1024-2	10/09/2024	320-116109-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1024-2	10/09/2024	320-116109-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1024-2	10/09/2024	320-116109-1	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1024-2	10/09/2024	320-116109-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1024-3	10/14/2024	320-116180-1	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1224-2	12/09/2024	320-117603-1	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-EFF-1224-2	12/09/2024	320-117603-1	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/24 **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-1024-2	10/09/2024	320-116098-1	R-PSDA	1.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1024-2	10/09/2024	320-116098-1	Hydrolyzed PSDA	12	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1024-2	10/09/2024	320-116098-1	R-EVE	0.67	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1124-2	11/11/2024	320-116985-1	R-PSDA	1.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1124-2	11/11/2024	320-116985-1	Hydrolyzed PSDA	14	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1124-2	11/11/2024	320-116985-1	R-EVE	0.54	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1224-2	12/09/2024	320-117600-1	R-PSDA	0.94	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1224-2	12/09/2024	320-117600-1	Hydrolyzed PSDA	11	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1224-2	12/09/2024	320-117600-1	R-EVE	0.52	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** 004 NPDES Sampling 10/24 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
004-INF-1024-3	10/14/2024	320-116182-1	PMPA	9.5	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
004-INF-1024-3	10/14/2024	320-116182-1	PFMOAA	49	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: CAP GW Sampling 3Q24 and 4Q24 (selected lots)

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
CAP4Q24-EQBLK-PP-100924	320-116097-1	Blank Water	N	10/09/2024	12:50	EB
CAP4Q24-EQBLK-DV-100924	320-116097-2	Blank Water	N	10/09/2024	12:55	EB
CAP4Q24-EQBLK-BP-100924	320-116097-3	Blank Water	N	10/09/2024	13:00	EB
CAP4Q24-PW-04-100724	320-116097-7	Groundwater	N	10/07/2024	10:45	FS
CAP4Q24-LTW-02-100824	320-116097-8	Groundwater	N	10/08/2024	13:25	FS
CAP4Q24-OW-33-100824	320-116104-1	Groundwater	N	10/08/2024	12:30	FS
CAP4Q24-OW-33-100824-D	320-116104-2	Groundwater	N	10/08/2024	12:30	DUP
CAP4Q24-OW-28-100824	320-116104-3	Groundwater	N	10/08/2024	15:25	FS
CAP4Q24-PIW-1D-100824	320-116104-4	Groundwater	N	10/08/2024	12:10	FS
CAP4Q24-PIW-1S-100824	320-116104-5	Groundwater	N	10/08/2024	10:35	FS
CAP4Q24-PIW-3D-100824	320-116104-6	Groundwater	N	10/08/2024	14:10	FS
CAP4Q24-LTW-01-101024	320-116122-1	Groundwater	N	10/10/2024	10:05	FS
CAP4Q24-LTW-03-101024	320-116122-2	Groundwater	N	10/10/2024	13:25	FS
CAP4Q24-LTW-04-100924	320-116122-3	Groundwater	N	10/09/2024	12:30	FS
CAP4Q24-SMW-12-101024	320-116122-5	Groundwater	N	10/10/2024	15:20	FS
CAP4Q24-LTW-05-100924	320-116140-1	Groundwater	N	10/09/2024	14:55	FS
CAP4Q24-LTW-05-100924-D	320-116140-2	Groundwater	N	10/09/2024	14:55	DUP
CAP4Q24-PZ-22-100924	320-116140-3	Groundwater	N	10/09/2024	13:45	FS
CAP4Q24-PIW-7S-100924	320-116140-4	Groundwater	N	10/09/2024	14:10	FS
CAP4Q24-PIW-7D-101024	320-116140-5	Groundwater	N	10/10/2024	11:35	FS
CAP3Q24-OW-59-112024	320-117311-1	Groundwater	N	11/20/2024	16:20	FS
CAP3Q24-OW-59-112024-D	320-117311-2	Groundwater	N	11/20/2024	16:20	DUP
CAP3Q24-EQBLK-BP-112024	320-117311-3	Blank Water	N	11/20/2024	09:00	EB

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

Analytical Protocol

Lab Name	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP GW Sampling 3Q24
Eurofins Environ Testing Northern Cali	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP GW Sampling 4Q24

Chemours™

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?		X		X	
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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

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

Data Verification Module (DVM)

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

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

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

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

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

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

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

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

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoropentane Sulfonic Acid (PFPeS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	6:2 Fluorotelomer Sulfonate	0.0050	ug/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PS Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorohexanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorododecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	N-methyl perfluoro-1-octanesulfonamide	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFOA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorodecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorodecane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorohexane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorobutanoic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorobutane Sulfonic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoroheptanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoroheptane Sulfonic Acid (PFHpS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorononanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorotetradecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	1H,1H,2H,2H-perfluorodecanesulfonate (8:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorohexadecanoic Acid (PFHxDA)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorononanesulfonic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorotridecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Hydro-PS Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorooctane Sulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	9Cl-PF3ONS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	1H,1H,2H,2H-perfluorohexanesulfonate (4:2 FTS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	11Cl-PF3OUdS	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Hydro-EVE Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorododecane Sulfonic Acid (PFDoS)	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	NVHOS, Acid Form	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFECA-G	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	DONA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoro(2-ethoxyethane)sulfonic	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	10:2 Fluorotelomer sulfonate	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFECA B	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluorooctadecanoic Acid	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFOS	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoroundecanoic Acid	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	N-Methyl Perfluorooctane Sulfonamidoacetic Acid	0.0050	UG/L	PQL		0.0050	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	R-PSDCA	0.0030	UG/L	PQL		0.0030	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	0.0040	ug/L	PQL		0.0040	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFO4DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	N-ethylperfluoro-1-octanesulfonamide	0.0020	UG/L	PQL		0.0020	UJ	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	R-PSDA	0.69	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	PEPA	0.41	UG/L	PQL		0.060	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	Perfluoropentanoic Acid	1.2	UG/L	PQL		0.061	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	Perfluoroheptanoic Acid	0.14	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	PFO2HxA	27	ug/L	PQL		0.069	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	PFO3OA	6.6	ug/L	PQL		0.11	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	PPF Acid	44	UG/L	PQL		0.31	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	PFMOAA	73	ug/L	PQL		0.26	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	Hydro-EVE Acid	0.49	UG/L	PQL		0.030	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	NVHOS, Acid Form	0.88	UG/L	PQL		0.16	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	R-PSDA	0.44	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	PEPA	0.27	UG/L	PQL		0.060	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	Perfluoropentanoic Acid	0.82	UG/L	PQL		0.061	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	Perfluoroheptanoic Acid	0.091	UG/L	PQL		0.031	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	PFO2HxA	19	ug/L	PQL		0.069	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	PFO3OA	4.7	ug/L	PQL		0.11	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	PPF Acid	32	UG/L	PQL		0.31	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	PFMOAA	49	ug/L	PQL		0.26	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	Hydro-EVE Acid	0.36	UG/L	PQL		0.030	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	NVHOS, Acid Form	0.63	UG/L	PQL		0.16	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-LTW-01-101024	10/10/2024	320-116122-1	R-PSDA	0.49	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-01-101024	10/10/2024	320-116122-1	Hydrolyzed PSDA	0.090	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-01-101024	10/10/2024	320-116122-1	R-EVE	0.17	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-LTW-03-101024	10/10/2024	320-116122-2	R-PSDA	0.63	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-03-101024	10/10/2024	320-116122-2	Hydrolyzed PSDA	5.4	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-03-101024	10/10/2024	320-116122-2	R-EVE	0.26	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-LTW-04-100924	10/09/2024	320-116122-3	R-PSDA	1.2	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-04-100924	10/09/2024	320-116122-3	Hydrolyzed PSDA	1.8	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-04-100924	10/09/2024	320-116122-3	R-EVE	0.95	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-SMW-12-101024	10/10/2024	320-116122-5	R-PSDA	0.084	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-SMW-12-101024	10/10/2024	320-116122-5	R-EVE	0.062	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	Hydrolyzed PSDA	1.2	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-05-100924	10/09/2024	320-116140-1	R-EVE	0.80	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	Hydrolyzed PSDA	0.95	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-05-100924-D	10/09/2024	320-116140-2	R-EVE	0.61	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PIW-7D-101024	10/10/2024	320-116140-5	R-PSDA	0.40	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PIW-7D-101024	10/10/2024	320-116140-5	Hydrolyzed PSDA	0.80	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-PIW-7D-101024	10/10/2024	320-116140-5	R-EVE	0.51	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-59-112024	11/20/2024	320-117311-1	R-PSDA	0.081	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-59-112024	11/20/2024	320-117311-1	Hydrolyzed PSDA	0.45	UG/L	PQL		0.034	J	537 Modified		3535
CAP3Q24-OW-59-112024	11/20/2024	320-117311-1	R-EVE	0.048	UG/L	PQL		0.039	J	537 Modified		3535
CAP3Q24-OW-59-112024-D	11/20/2024	320-117311-2	R-PSDA	0.079	UG/L	PQL		0.035	J	537 Modified		3535
CAP3Q24-OW-59-112024-D	11/20/2024	320-117311-2	Hydrolyzed PSDA	0.42	UG/L	PQL		0.034	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 3Q24 **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
CAP3Q24-OW-59-112024-D	11/20/2024	320-117311-2	R-EVE	0.042	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PIW-7S-100924	10/09/2024	320-116140-4	R-PSDA	0.60	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PIW-7S-100924	10/09/2024	320-116140-4	R-EVE	0.68	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PZ-22-100924	10/09/2024	320-116140-3	R-PSDA	0.37	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PZ-22-100924	10/09/2024	320-116140-3	Hydrolyzed PSDA	1.1	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-PZ-22-100924	10/09/2024	320-116140-3	R-EVE	0.29	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-LTW-02-100824	10/08/2024	320-116097-8	R-PSDA	1.3	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-LTW-02-100824	10/08/2024	320-116097-8	Hydrolyzed PSDA	2.9	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-LTW-02-100824	10/08/2024	320-116097-8	R-EVE	0.88	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PW-04-100724	10/07/2024	320-116097-7	R-PSDA	0.068	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PW-07-100724	10/07/2024	320-116097-6	R-PSDA	0.14	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-PW-07-100724	10/07/2024	320-116097-6	R-EVE	0.15	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-OW-28-100824	10/08/2024	320-116104-3	R-PSDA	0.36	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-OW-28-100824	10/08/2024	320-116104-3	R-EVE	0.16	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-OW-33-100824	10/08/2024	320-116104-1	R-PSDA	0.36	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-OW-33-100824	10/08/2024	320-116104-1	Hydrolyzed PSDA	0.062	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-OW-33-100824	10/08/2024	320-116104-1	R-EVE	0.23	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-OW-33-100824-D	10/08/2024	320-116104-2	R-PSDA	0.30	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-OW-33-100824-D	10/08/2024	320-116104-2	Hydrolyzed PSDA	0.054	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-OW-33-100824-D	10/08/2024	320-116104-2	R-EVE	0.22	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PIW-1D-100824	10/08/2024	320-116104-4	R-PSDA	0.29	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PIW-1D-100824	10/08/2024	320-116104-4	R-EVE	0.15	UG/L	PQL		0.039	J	537 Modified		3535
CAP4Q24-PIW-1S-100824	10/08/2024	320-116104-5	R-PSDA	0.15	UG/L	PQL		0.035	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-PIW-3D-100824	10/08/2024	320-116104-6	R-PSDA	1.1	UG/L	PQL		0.035	J	537 Modified		3535
CAP4Q24-PIW-3D-100824	10/08/2024	320-116104-6	Hydrolyzed PSDA	0.18	UG/L	PQL		0.034	J	537 Modified		3535
CAP4Q24-PIW-3D-100824	10/08/2024	320-116104-6	R-EVE	0.51	UG/L	PQL		0.039	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **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
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PPF Acid	0.22	UG/L	PQL		0.0050	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFMOAA	0.029	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PEPA	0.097	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Perfluoropentanoic Acid	0.0035	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	R-EVE	0.0040	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PMPA	0.33	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	Hfpo Dimer Acid	0.16	UG/L	PQL		0.0040	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFO2HxA	0.11	ug/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	PFO3OA	0.012	ug/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP GW Sampling 4Q24 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
CAP4Q24-BLADEN-1DR-100924	10/09/2024	320-116122-4	R-PSDA	0.0089	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: WC – PFAS (CAP SW 4Q24 selected samples)

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
CAP4Q24-WC-2-24-102424	320-116513-1	Surface Water	N	10/24/2024	07:00	FS
CAP4Q24-WC-1-24-102424	320-116513-2	Surface Water	N	10/24/2024	07:00	FS
CAP4Q24-WC-1-24-102424-D	320-116513-3	Surface Water	N	10/24/2024	07:00	DUP
CAP4Q24-EQBLK-IS-102424	320-116525-1	Blank Water	N	10/24/2024	14:00	EB
CAP4Q24-EQBLK-PP-SW-102424	320-116525-2	Blank Water	N	10/24/2024	15:15	EB
CAP4Q24-WC-3-24-102424	320-116525-5	Surface Water	N	10/24/2024	07:00	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	537 Modified	Per- and Polyfluorinated Alkyl Substances (PFAS)	CAP SW Sampling 4Q24

Chemours™

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				

ER#	Description

Other QA/QC Items to Note:

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

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

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

Data Verification Module (DVM)

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- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

There are two qualifier fields in EIM:

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

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

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

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

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

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

DVM Narrative Report

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q24 **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
CAP4Q24-WC-1-24-102424	10/24/2024	320-116513-2	R-EVE	0.070	UG/L	PQL		0.0020	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q24 **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
CAP4Q24-WC-1-24-102424	10/24/2024	320-116513-2	NVHOS, Acid Form	0.0099	UG/L	PQL		0.0030	J	537 Modified		3535
CAP4Q24-WC-1-24-102424-D	10/24/2024	320-116513-3	NVHOS, Acid Form	0.016	UG/L	PQL		0.0030	J	537 Modified		3535

Site: Fayetteville **Sampling Program:** CAP SW Sampling 4Q24 **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
CAP4Q24-WC-1-24-102424	10/24/2024	320-116513-2	Hydrolyzed PSDA	0.34	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-1-24-102424-D	10/24/2024	320-116513-3	R-PSDA	0.18	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-1-24-102424-D	10/24/2024	320-116513-3	Hydrolyzed PSDA	0.32	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-1-24-102424-D	10/24/2024	320-116513-3	R-EVE	0.059	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-2-24-102424	10/24/2024	320-116513-1	R-PSDA	0.11	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-2-24-102424	10/24/2024	320-116513-1	Hydrolyzed PSDA	0.030	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-2-24-102424	10/24/2024	320-116513-1	R-EVE	0.056	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-3-24-102424	10/24/2024	320-116525-5	R-PSDA	0.067	UG/L	PQL		0.0020	J	537 Modified		3535
CAP4Q24-WC-3-24-102424	10/24/2024	320-116525-5	R-EVE	0.029	UG/L	PQL		0.0020	J	537 Modified		3535

ADQM Data Review

Site: Chemours Fayetteville

Project: FTC-PM-PFAS (selected lots)

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-D-INFLUENT-6-100824	320-116250-1	Surface Water	N	10/08/2024	15:30	FS
SEEP-D-INFLUENT-6-100824-D	320-116250-2	Surface Water	N	10/08/2024	15:30	DUP
SEEP-D-EFFLUENT-6-100824	320-116250-3	Surface Water	N	10/08/2024	15:30	FS
SEEP-EB-101524	320-116250-4	Blank Water	N	10/15/2024	12:10	EB
SEEP-FB-101524	320-116250-5	Blank Water	N	10/15/2024	12:05	FB
SEEP-C-INFLUENT-24-121224	320-117752-1	Surface Water	N	12/12/2024	12:00	FS
SEEP-C-INFLUENT-24-121224-D	320-117752-2	Surface Water	N	12/12/2024	12:00	DUP
SEEP-C-EFFLUENT-24-121224	320-117752-3	Surface Water	N	12/12/2024	12:00	FS
SEEP-EB-121624	320-117752-4	Blank Water	N	12/16/2024	09:15	EB
SEEP-FB-121624	320-117752-5	Blank Water	N	12/16/2024	09:10	FB
SEEP-A-INFLUENT-24-122824	320-118048-1	Surface Water	N	12/28/2024	23:00	FS
SEEP-A-EFFLUENT-24-122824	320-118048-2	Surface Water	N	12/28/2024	23:00	FS
SEEP-C-INFLUENT-24-122824	320-118048-3	Surface Water	N	12/28/2024	23:00	FS
SEEP-C-EFFLUENT-24-122824	320-118048-4	Surface Water	N	12/28/2024	23:00	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
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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 2024

Chemours™

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?	X				
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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- Field and laboratory blank contamination
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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
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

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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 2024 **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
SEEP-A-INFLUENT-24-122824	12/28/2024	320-118048-1	Hydro-EVE Acid	0.22	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **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-EFFLUENT-6-100824	10/08/2024	320-116250-3	R-PSDA	0.0023	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-6-100824	10/08/2024	320-116250-3	Hydrolyzed PSDA	0.0021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824	10/08/2024	320-116250-1	R-PSDA	0.17	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824	10/08/2024	320-116250-1	Hydrolyzed PSDA	0.10	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824	10/08/2024	320-116250-1	R-EVE	0.077	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824-D	10/08/2024	320-116250-2	R-PSDA	0.17	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824-D	10/08/2024	320-116250-2	Hydrolyzed PSDA	0.11	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-6-100824-D	10/08/2024	320-116250-2	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121224	12/12/2024	320-117752-1	R-PSDA	0.086	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121224	12/12/2024	320-117752-1	R-EVE	0.078	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121224-D	12/12/2024	320-117752-2	R-PSDA	0.085	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-121224-D	12/12/2024	320-117752-2	R-EVE	0.076	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122824	12/28/2024	320-118048-1	R-PSDA	0.39	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122824	12/28/2024	320-118048-1	Hydrolyzed PSDA	1.1	UG/L	PQL		0.050	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-122824	12/28/2024	320-118048-1	R-EVE	0.26	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-122824	12/28/2024	320-118048-3	R-PSDA	0.12	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-122824	12/28/2024	320-118048-3	R-EVE	0.080	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

ADQM Data Review

Site: Chemours Fayetteville

Project: FTC-PM-WQ-TSS (selected lots)

Project Reviewer: Bridget Gavaghan

Chemours™

Sample Summary

Field Sample ID	Lab Sample ID	Sample Type	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-D-INFLUENT-TSS-101524	320-116250-6	Surface Water	N	10/15/2024	12:15	FS
SEEP-D-EFFLUENT-TSS-101524	320-116250-7	Surface Water	N	10/15/2024	12:20	FS
SEEP-C-INFLUENT-TSS-121624	320-117752-6	Surface Water	N	12/16/2024	09:20	FS
SEEP-C-EFFLUENT-TSS-121624	320-117752-7	Surface Water	N	12/16/2024	09:25	FS
SEEP-A-INFLUENT-TSS-123024	320-118048-5	Surface Water	N	12/30/2024	10:30	FS
SEEP-A-EFFLUENT-TSS-123024	320-118048-6	Surface Water	N	12/30/2024	10:35	FS
SEEP-C-INFLUENT-TSS-123024	320-118048-7	Surface Water	N	12/30/2024	11:15	FS
SEEP-C-EFFLUENT-TSS-123024	320-118048-8	Surface Water	N	12/30/2024	11:20	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	SM 2540 D-2015	Total Suspended Solids	Seep Flow Through Cell Sampling 2024

Chemours™

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X				
C	Was the chain of custody properly completed by the laboratory and/or field team?	X				
D	Were samples prepped/analyzed by the laboratory within method holding times?		X	X	X	
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?	X				
F	Temperature upon laboratory receipt meets range not frozen to 6 C (manual check)?	X				
G	Were all data usable and not R qualified?	X				
ER#	**Description**					
Other QA/QC Items to Note:						

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

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- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs
- Temperature upon laboratory receipt meets the range of not frozen to 6°C with a target of 4°C (manual check)

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

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 2024 **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-A-INFLUENT-TSS-123024	12/30/2024	320-118048-5	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 2024 **Validation Options:** LABSTATS

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

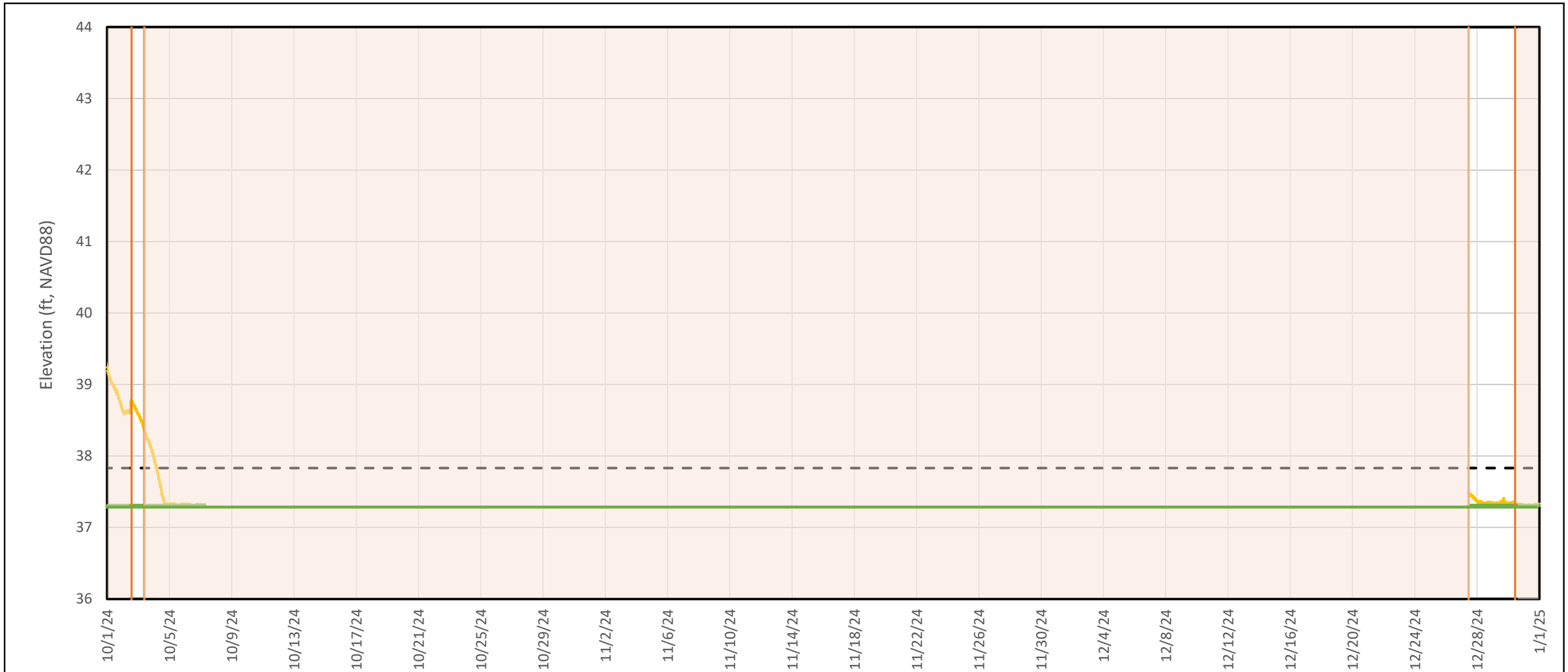
Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-EFFLUENT-TSS-123024	12/30/2024	320-118048-8	Total Suspended Solids	4.3	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-C-INFLUENT-TSS-123024	12/30/2024	320-118048-7	Total Suspended Solids	5.7	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		
SEEP-A-EFFLUENT-TSS-123024	12/30/2024	320-118048-6	Total Suspended Solids	11	MG/L	MDL	1.0	3.0	J	SM 2540 D-2015		

Site: Fayetteville **Sampling Program:** Seep Flow Through Cell Sampling 2024 **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-D-EFFLUENT-TSS-101524	10/15/2024	320-116250-7	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
- FTC off, no flow

Notes:

GAC - granular activated carbon
Figure B1-A shows the discharge basin transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep A

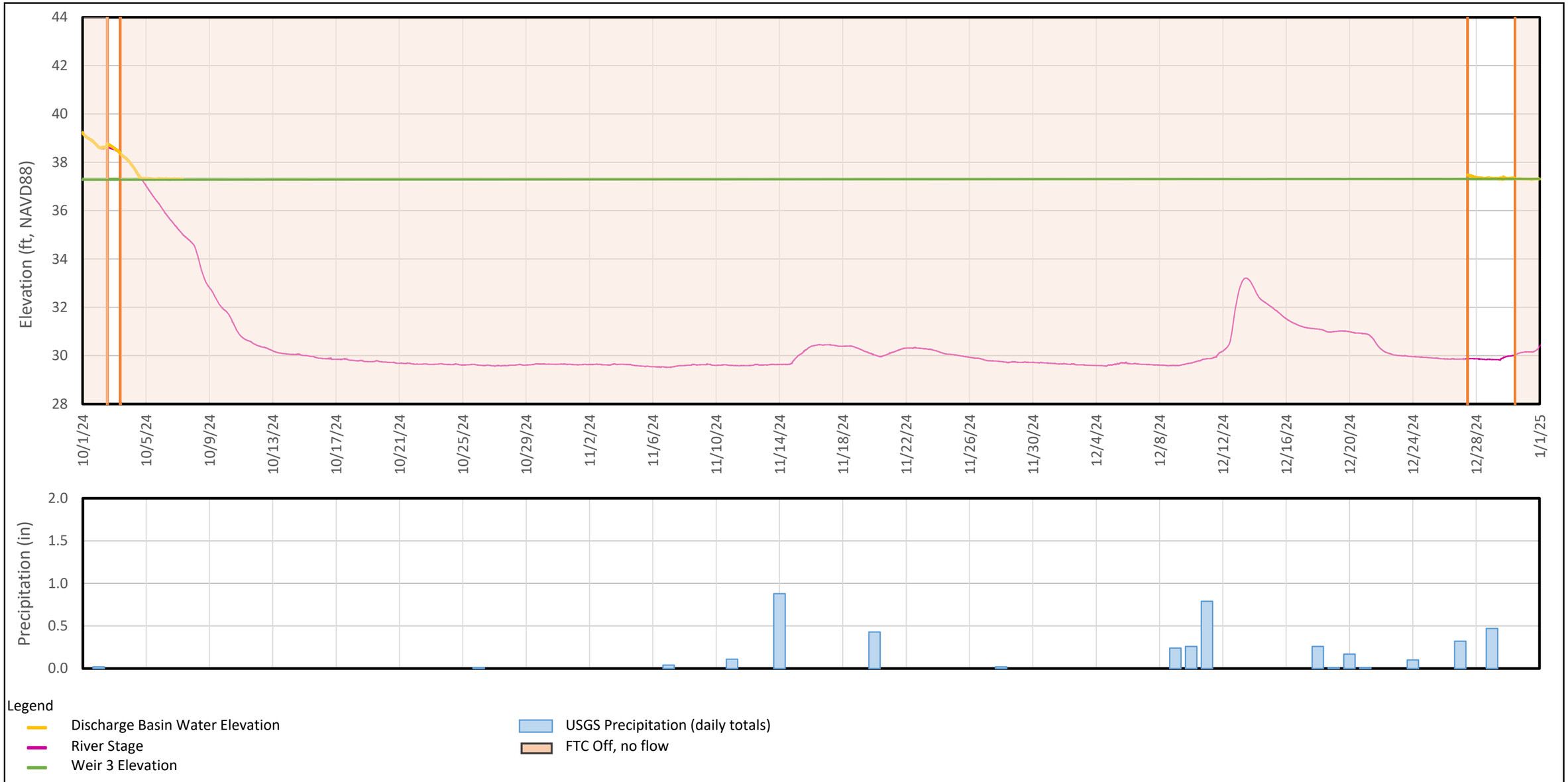
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B1-A



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

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

Discharge Basin Water Elevation and External Forcings - Seep A

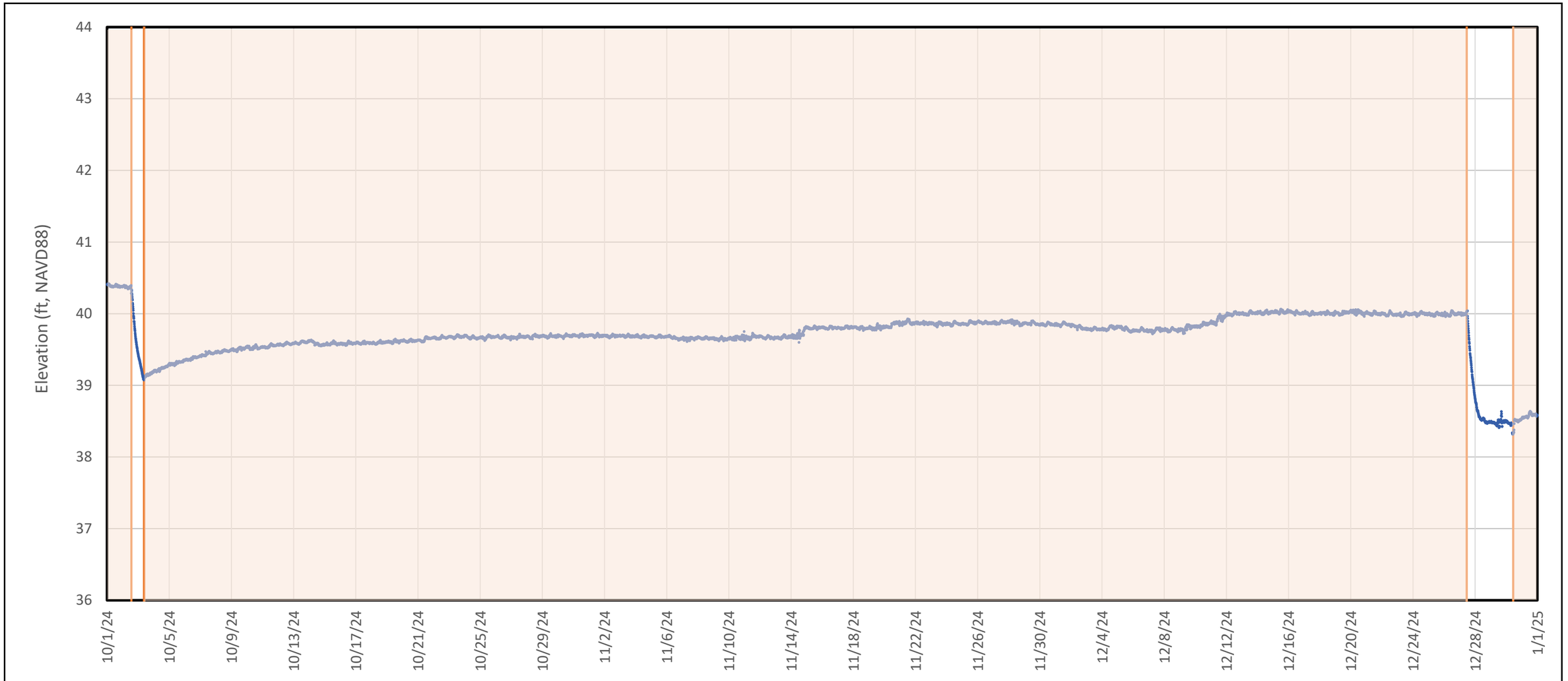
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B2-A



Legend

- Influent Chamber/Impoundment Elevation
- FTC off, no flow

Notes:

Figure B3-A shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep A

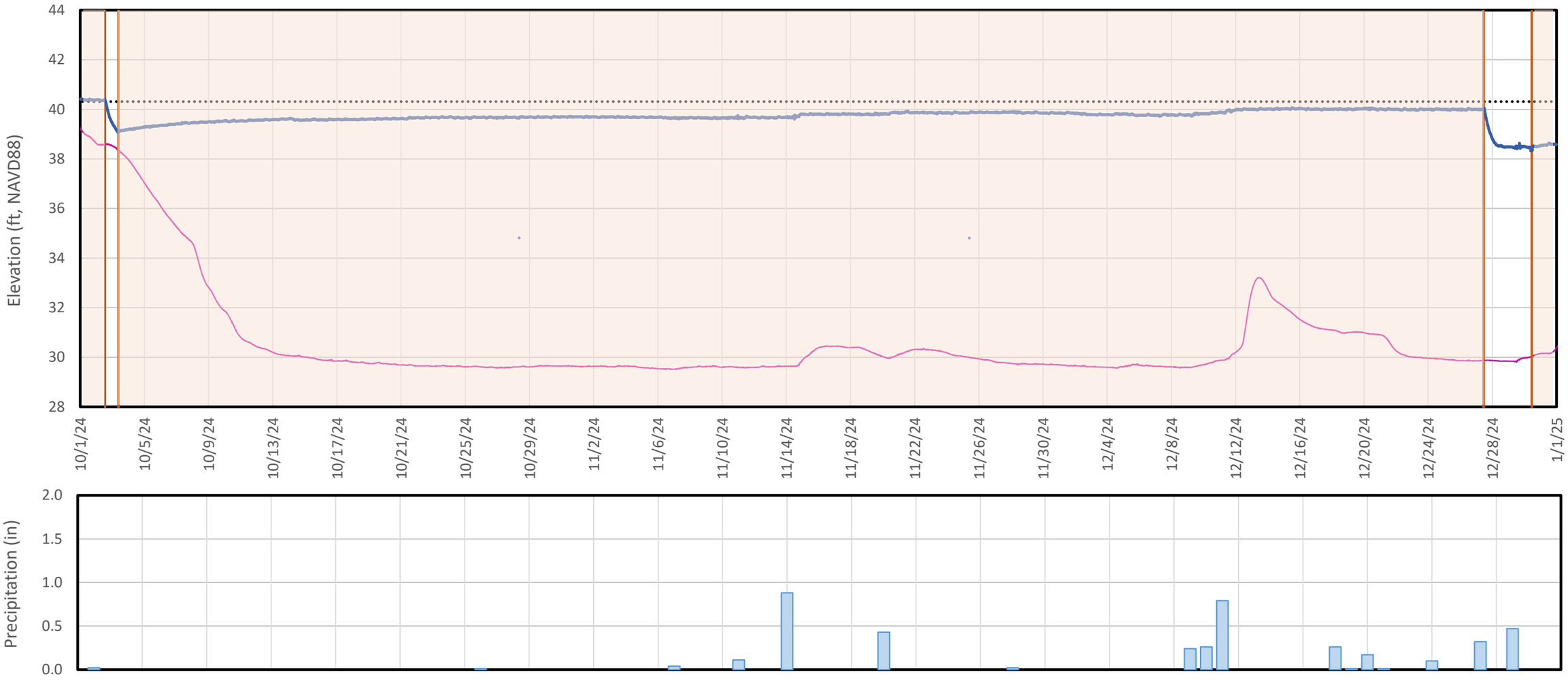
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B3-A



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC off, no flow

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

Inlet Chamber Water Elevation and External Forcings - Seep A

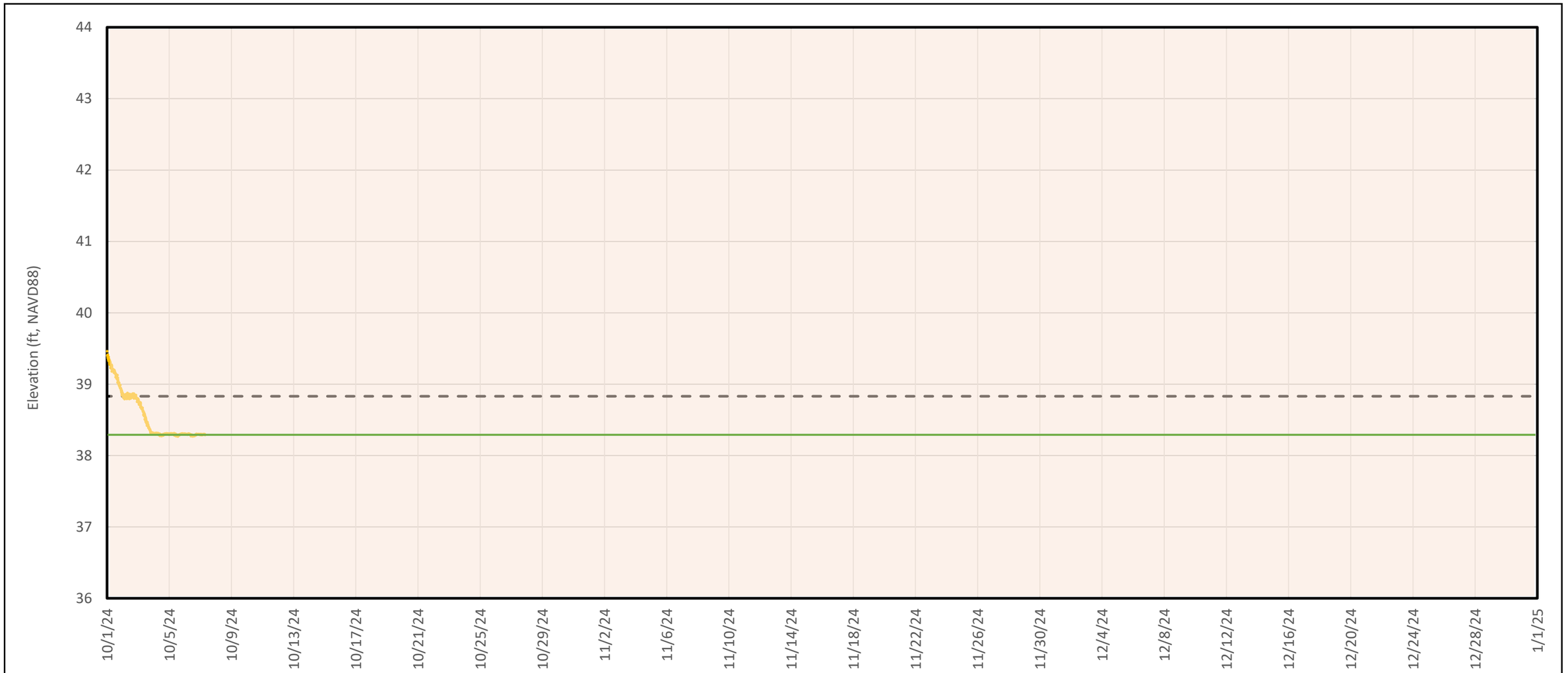
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B4-A



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC off, no flow

Notes:
GAC - granular activated carbon
Figure B1-B shows the discharge basin transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep B

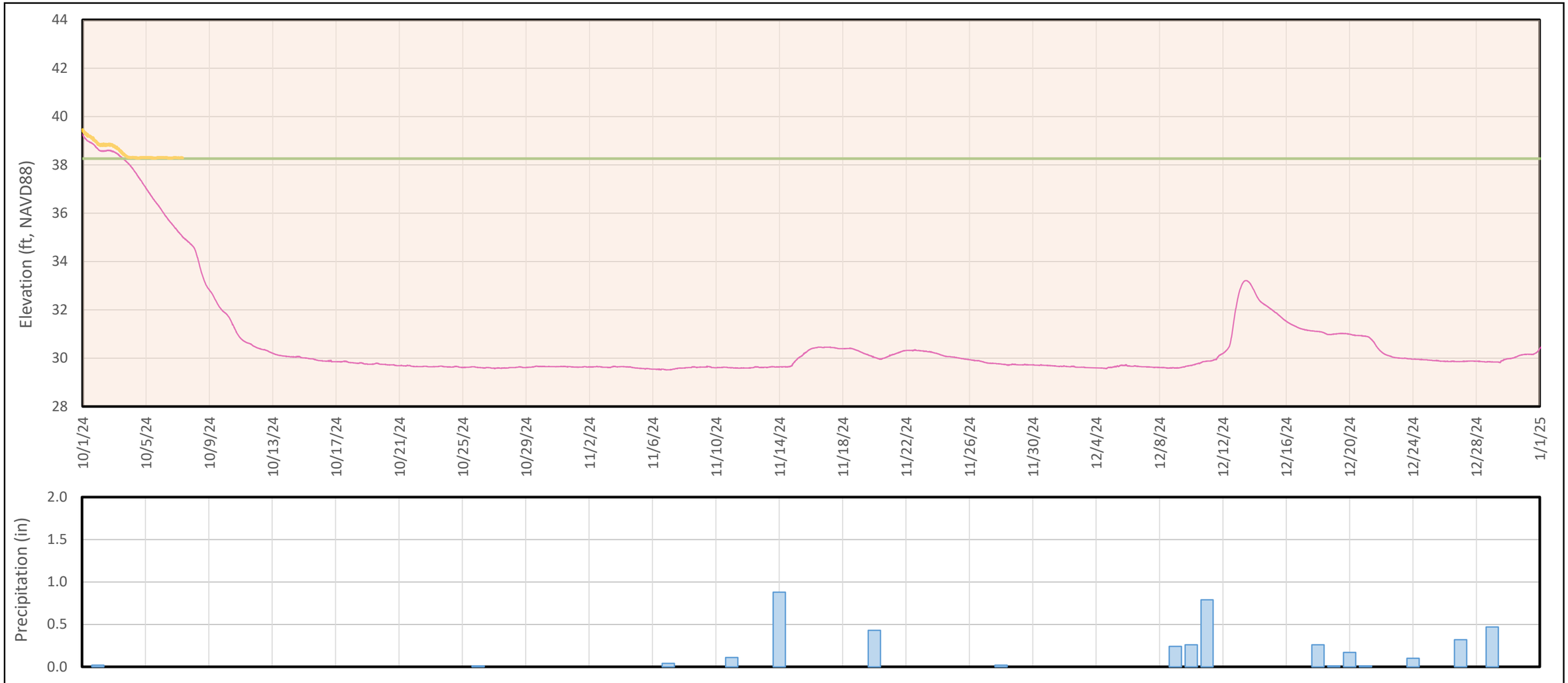
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B1-B



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC off, no flow

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

Discharge Basin Water Elevation and External Forcings - Seep B

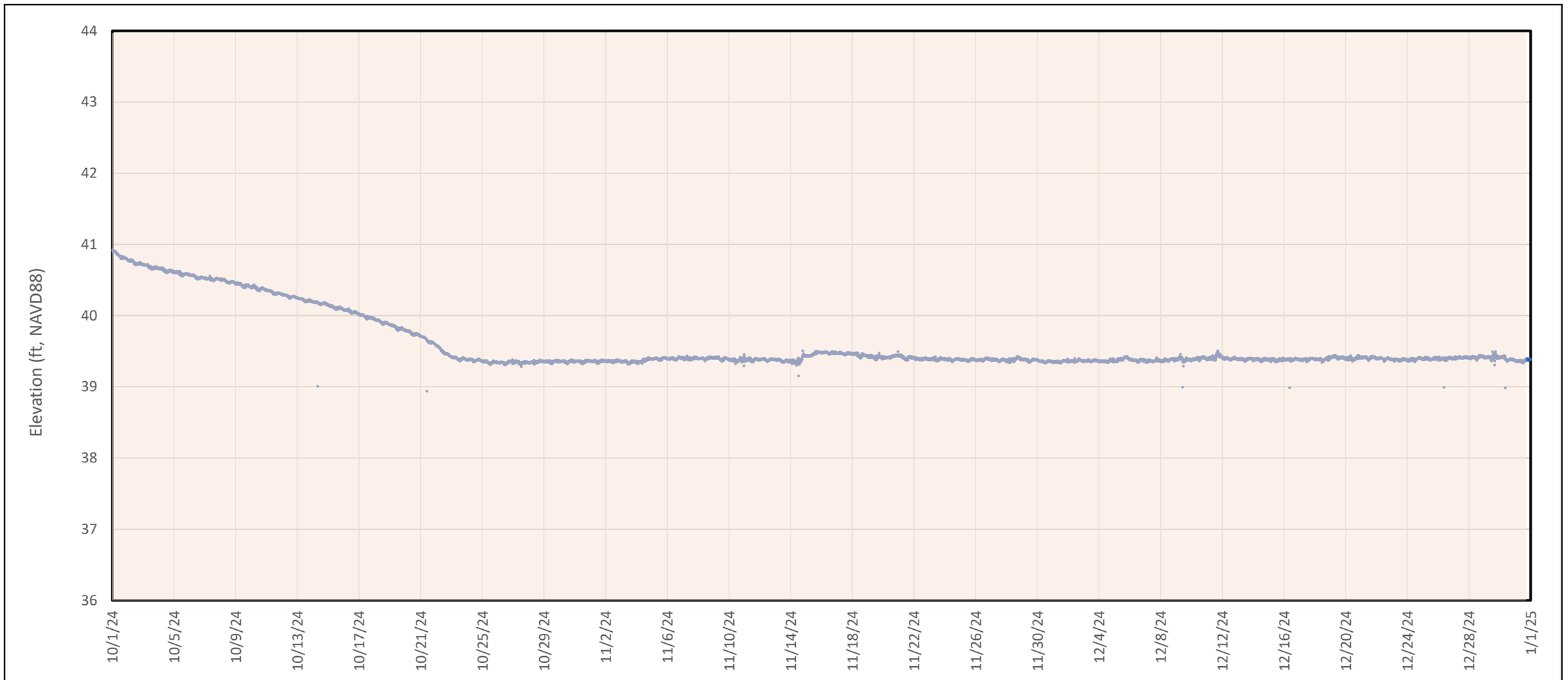
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B2-B



Legend

- Influent Chamber/Impoundment Elevation
- FTC off, no flow

Notes:

Figure B3-B shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep B

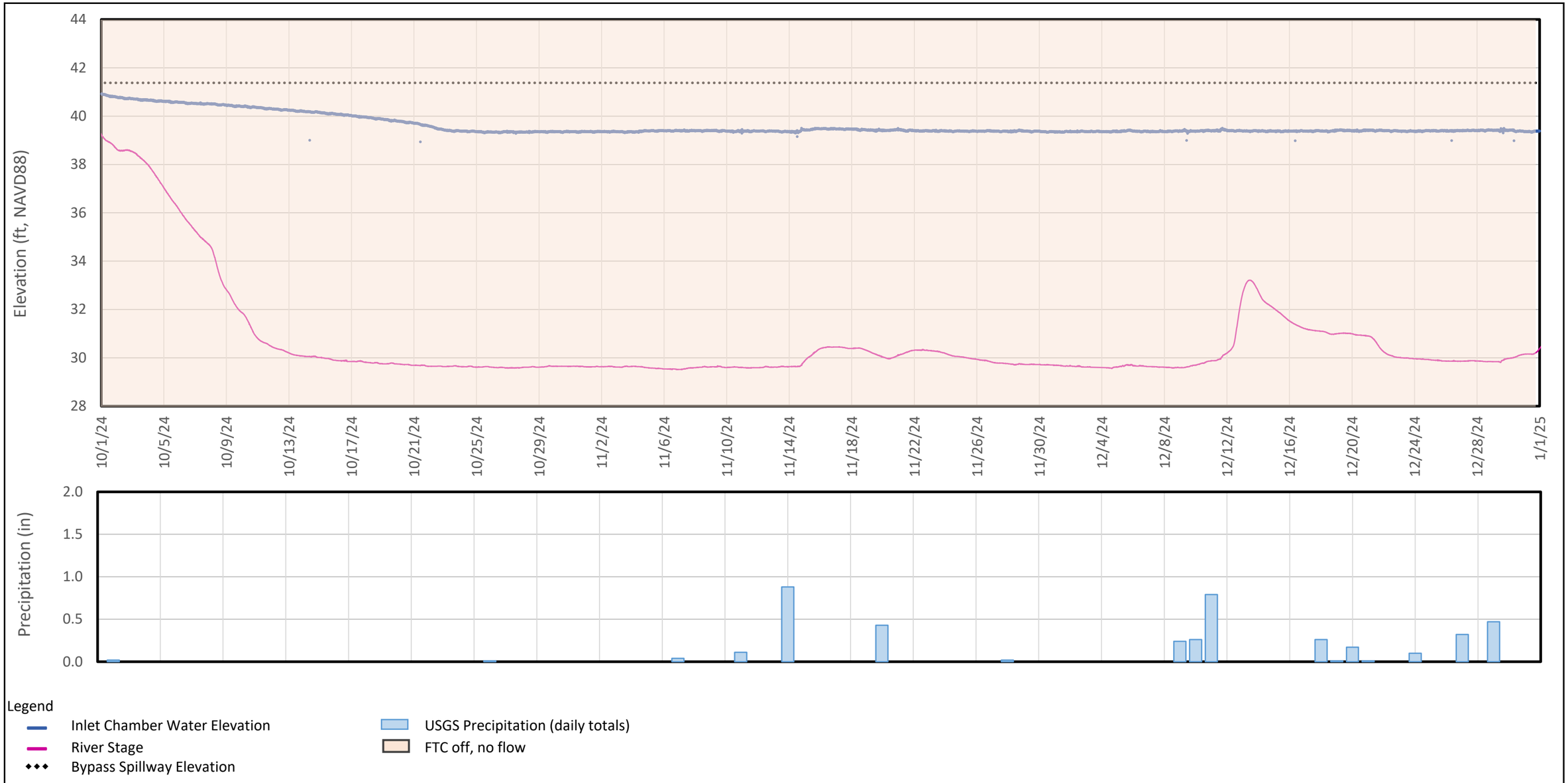
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B3-B



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC off, no flow

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

Inlet Chamber Water Elevation and External Forcings - Seep B

Chemours Fayetteville Works
Fayetteville, North Carolina

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Raleigh, NC | March 2025

Figure B4-B

Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC Off, no flow

Notes:

GAC - granular activated carbon
Figure B1-C shows the discharge basin transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep C

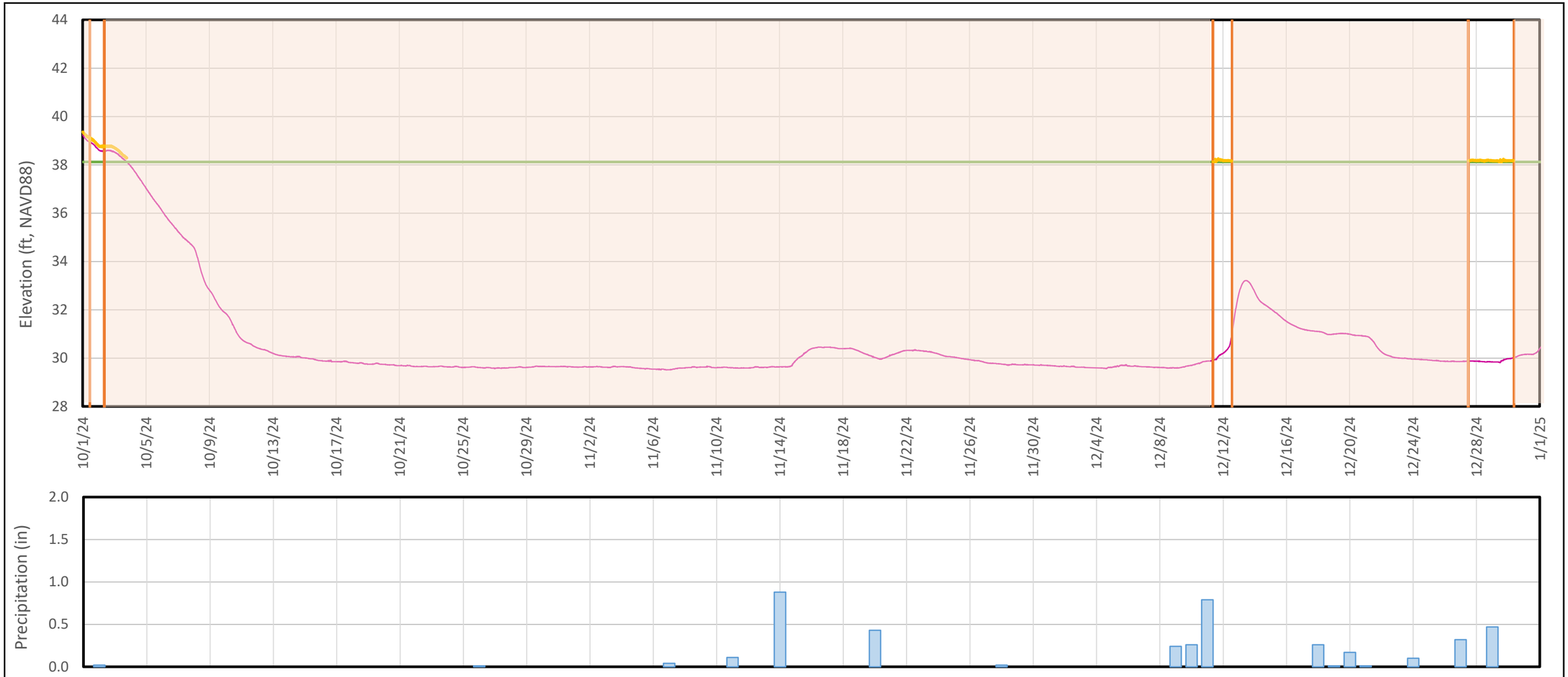
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B1-C



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

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

Discharge Basin Water Elevation and External Forcings - Seep C

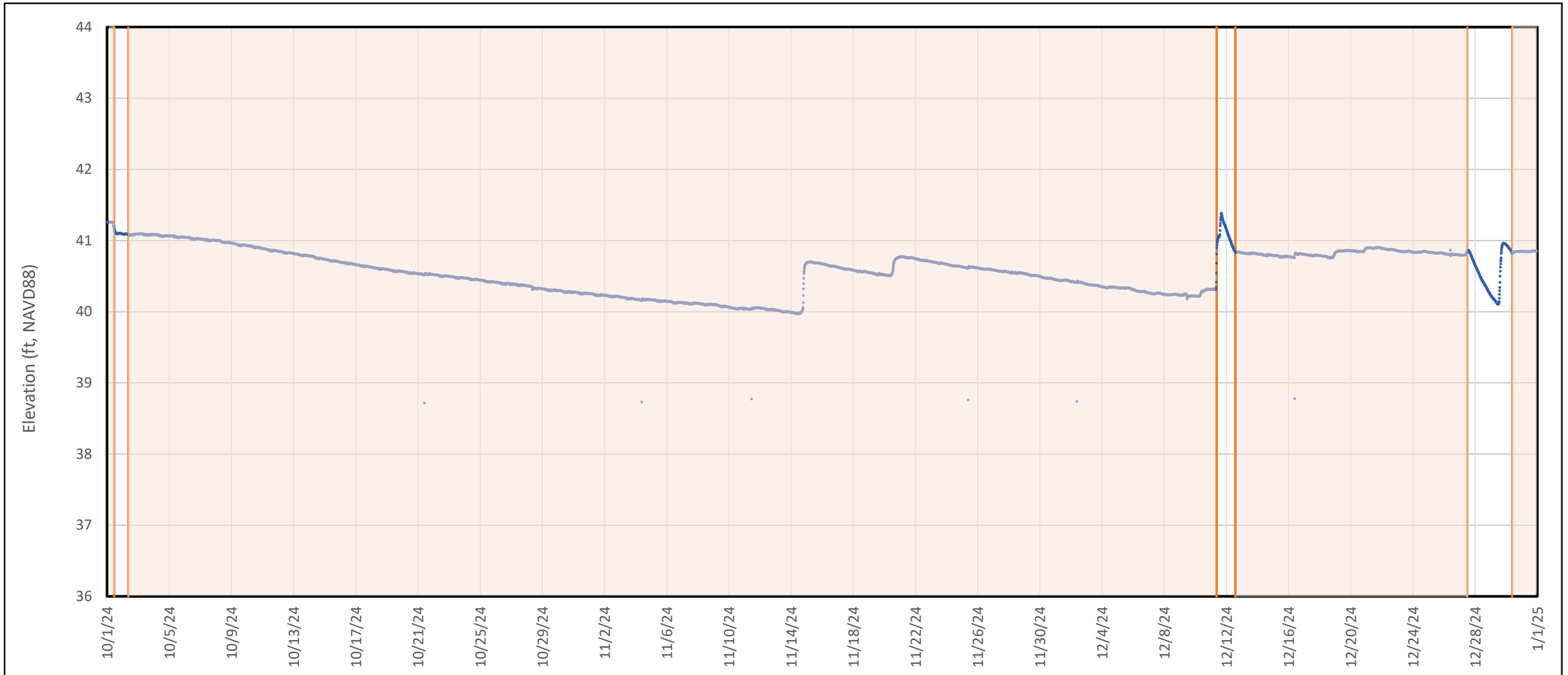
Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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

Raleigh, NC | March 2025

Figure B2-C



Legend

- Influent Chamber/Impoundment Elevation
- FTC Off, no flow

Notes:

Figure B3-C shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep C

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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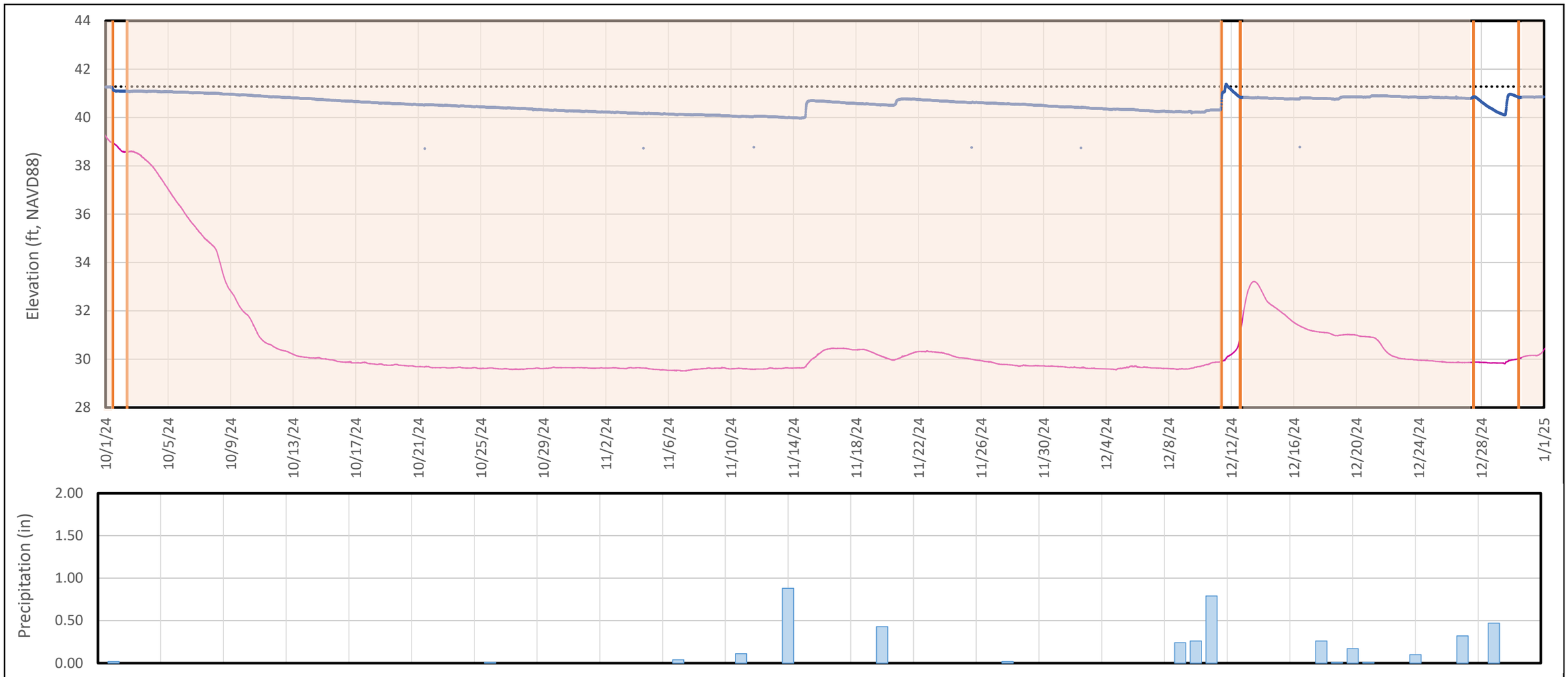
NC License No.: C 3500 and C 295

Raleigh, NC | March 2025

Figure B3-C



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

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

Inlet Chamber Water Elevation and External Forcings - Seep C

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Fayetteville, North Carolina

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NC License No.: C 3500 and C 295

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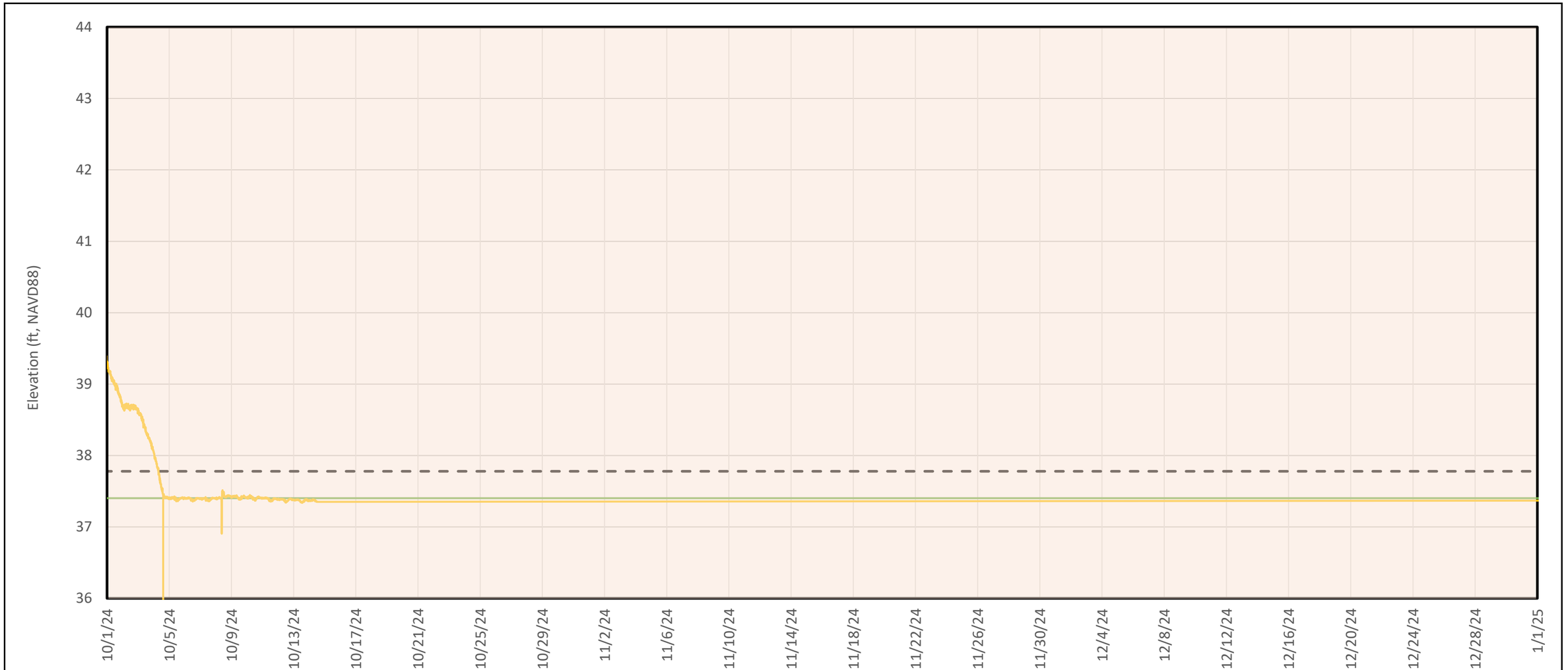
Figure B4-C



Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- GAC Elevation
- FTC Off, no flow

Notes:

GAC - granular activated carbon
Figure B1-D shows the discharge basin transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Discharge Basin Water Elevation - Seep D

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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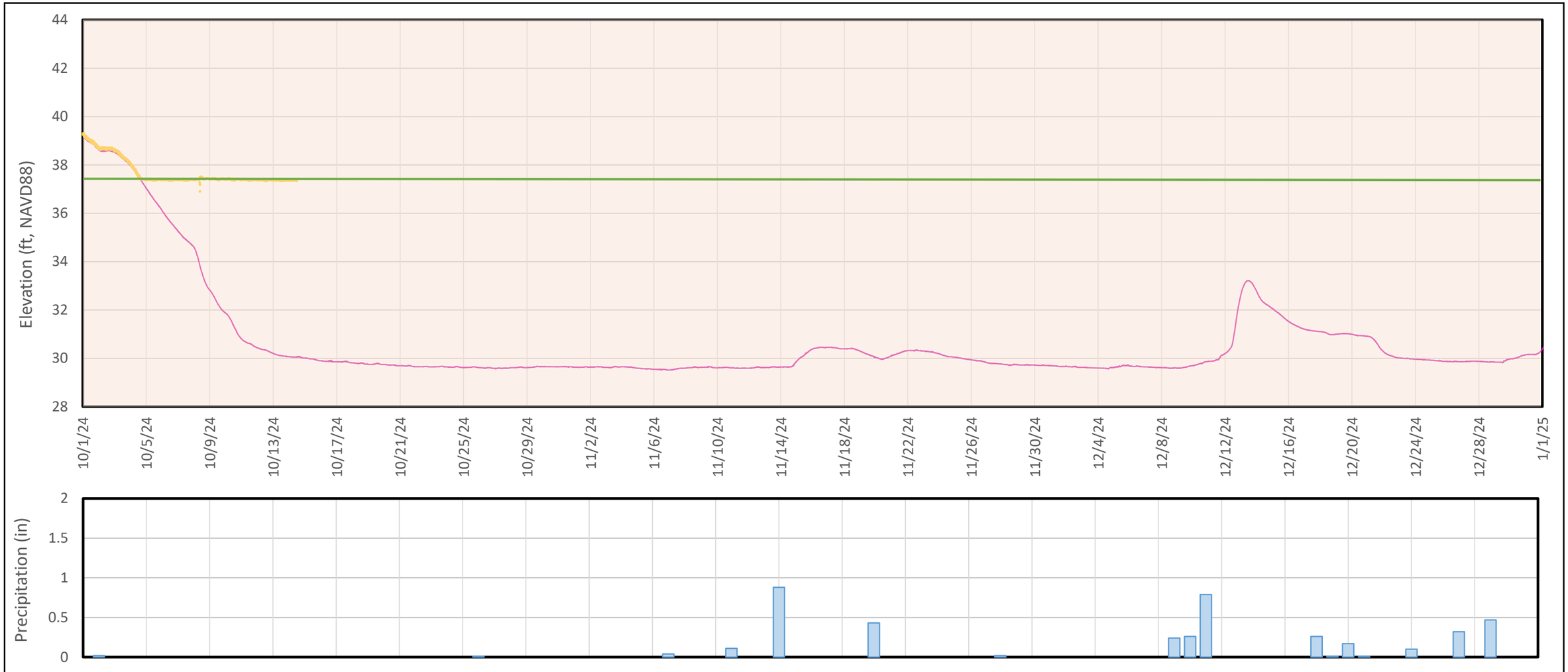
NC License No.: C 3500 and C 295

Raleigh, NC | March 2025

Figure B1-D



Legend

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

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

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

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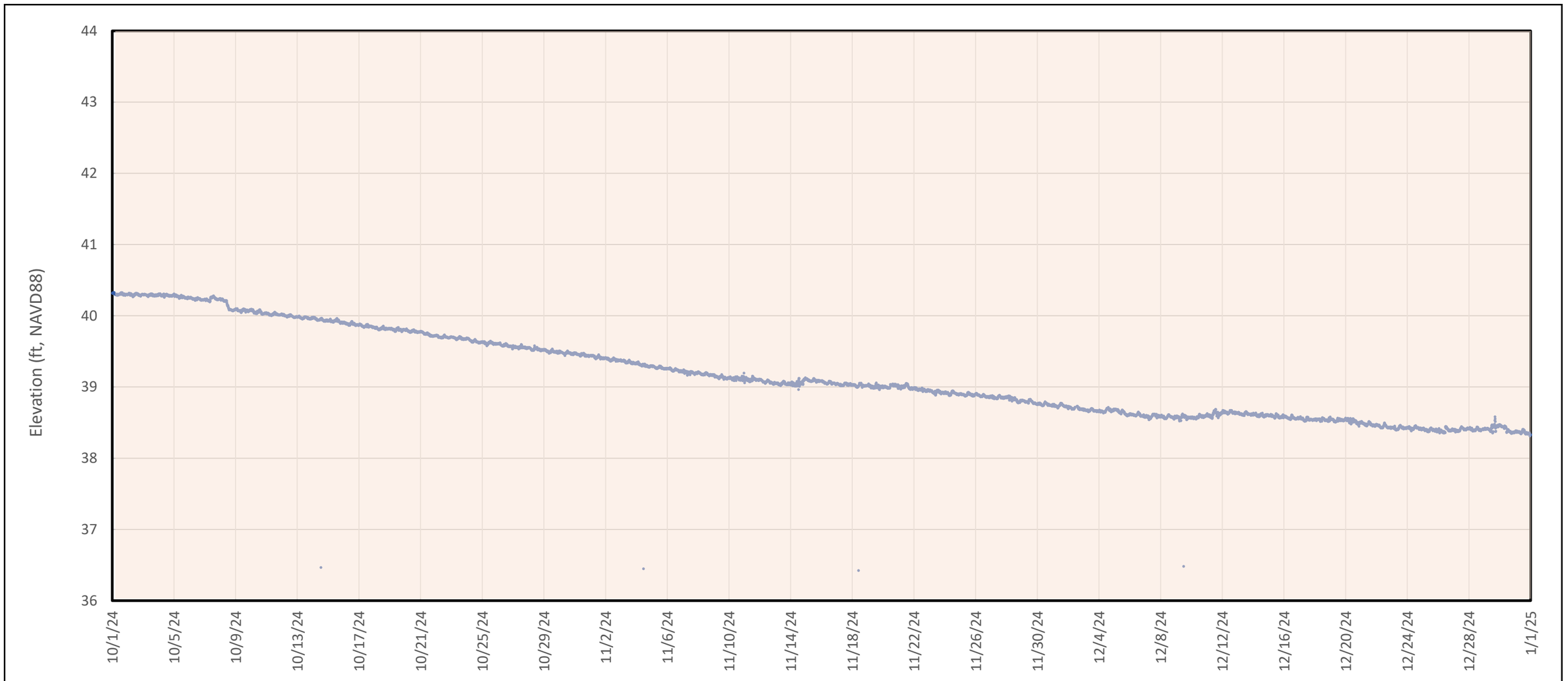
Figure B2-D



Legend

- Influent Chamber/Impoundment Elevation
- FTC Off, no flow

Notes:

Figure B3-D shows the influent transducer data that was collected during the reporting period.
Batch mode (in which the FTC is closed to flow due to dry conditions) is designated with orange shading.

Inlet Chamber Water Elevation - Seep D

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

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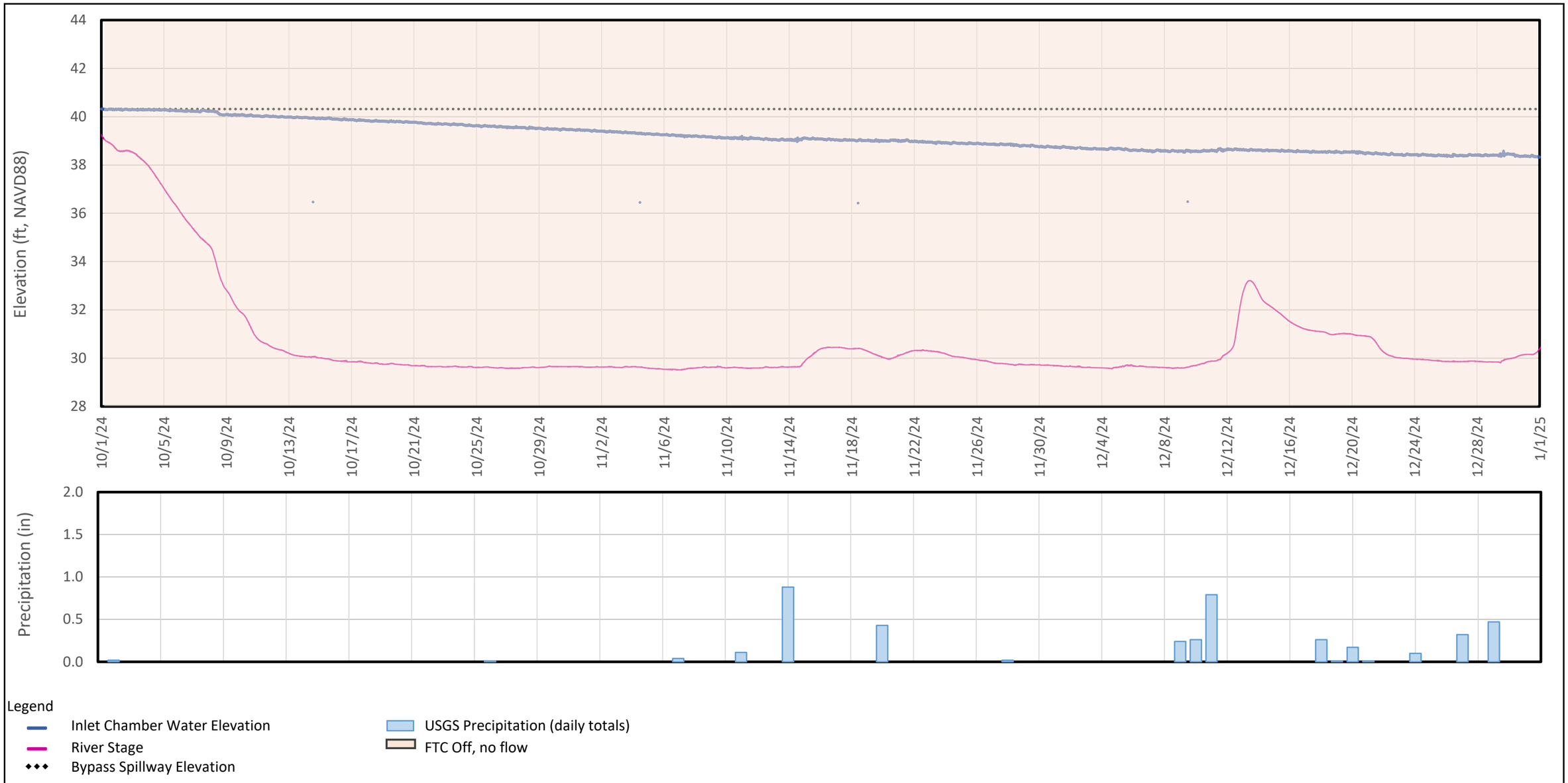
Figure B3-D



Legend

- Inlet Chamber Water Elevation
- River Stage
- Bypass Spillway Elevation
- USGS Precipitation (daily totals)
- FTC Off, no flow

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

Inlet Chamber Water Elevation and External Forcings - Seep D

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

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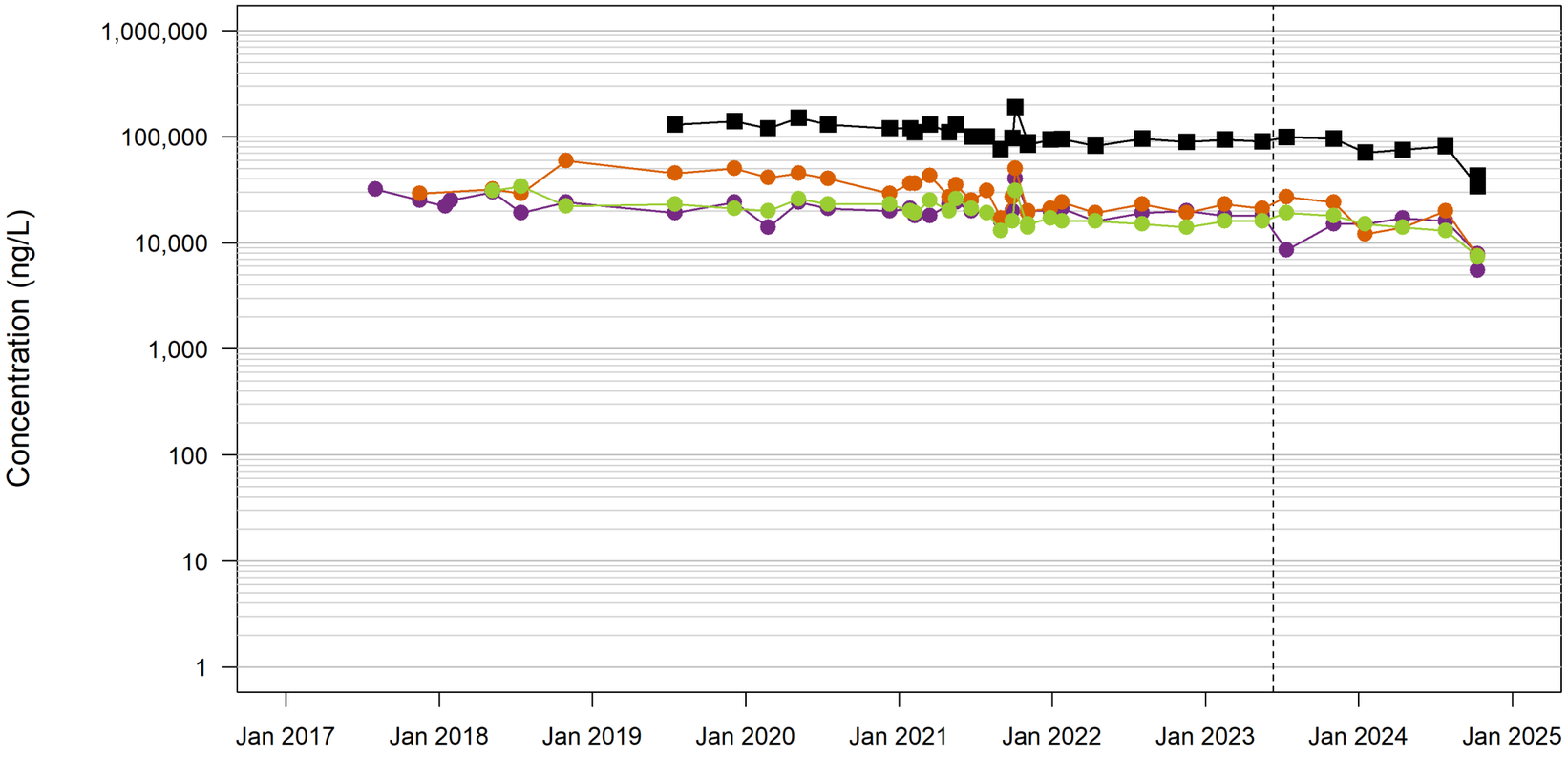
Figure B4-D

Geosyntec consultants

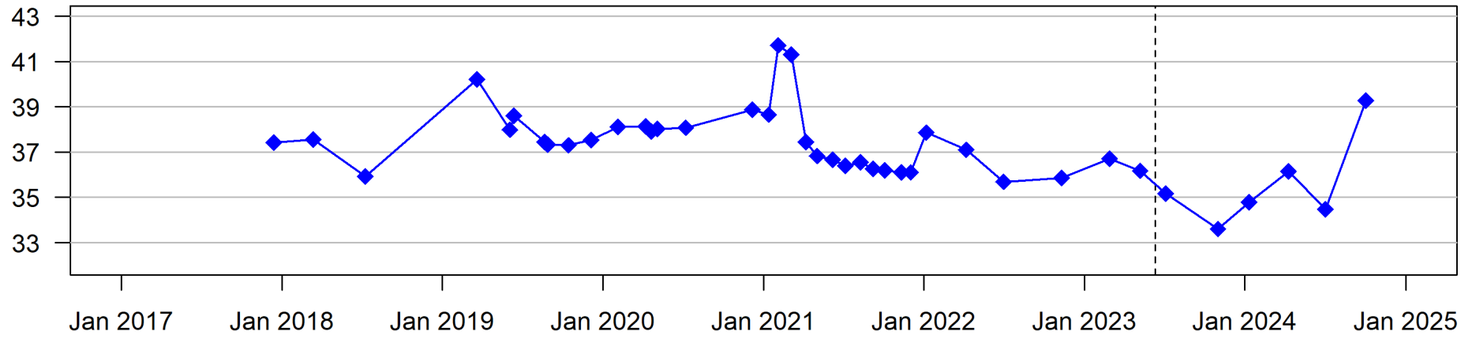
Geosyntec Consultants of NC, P.C.
NC License No.: C-3500 and C-295

Appendix C
Time Trends in Downgradient Monitoring Wells

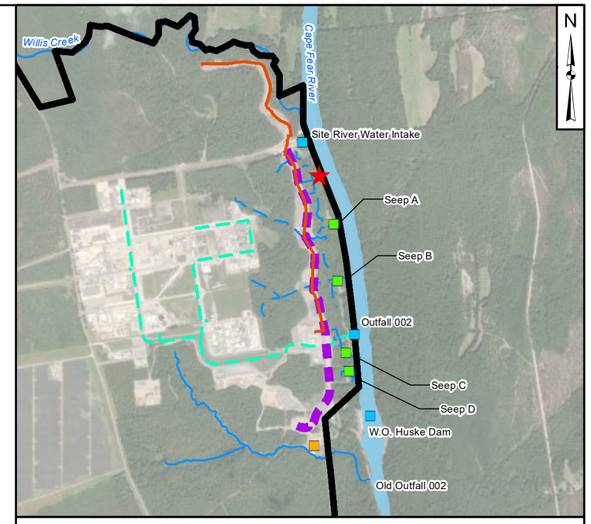
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-01 (Floodplain Deposits)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

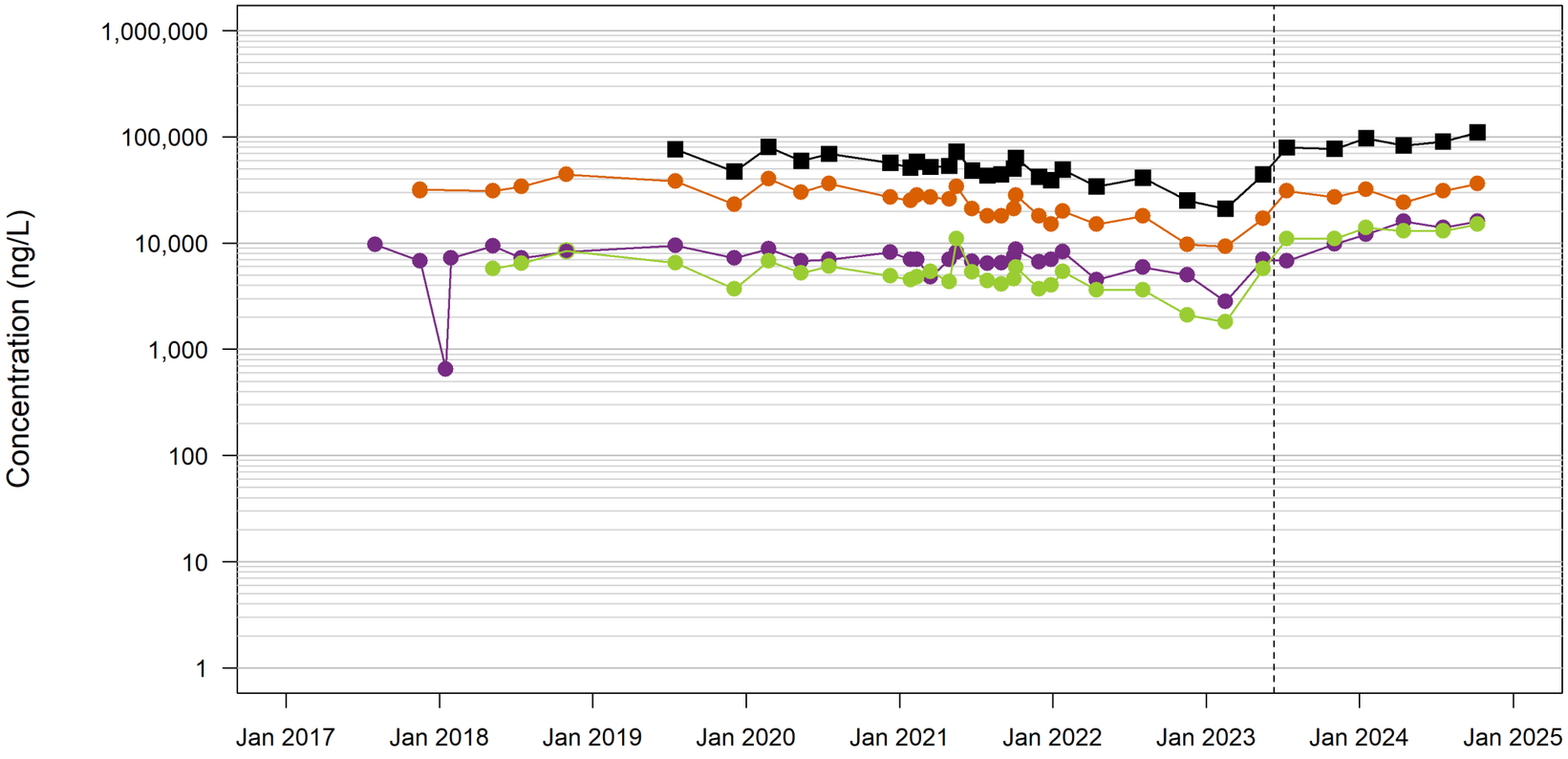
Raleigh | March 2025

Figure **C.1**

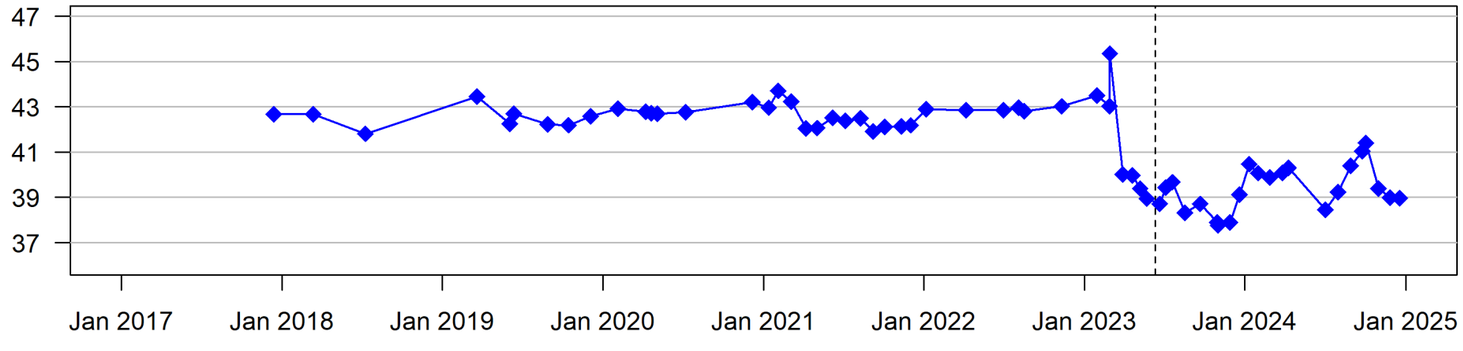
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd; Tp; 2/28/2025

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

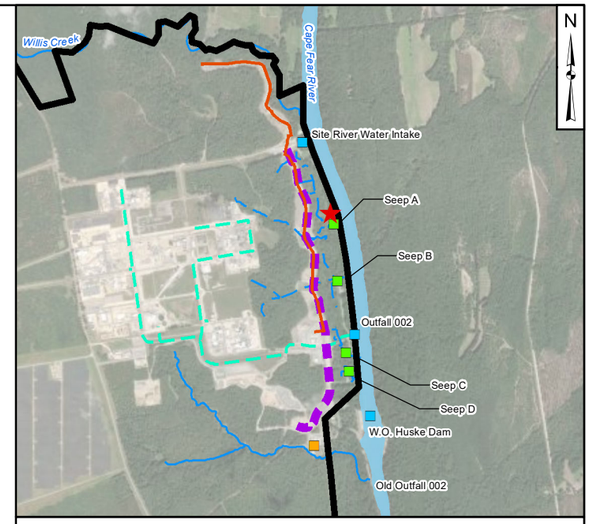
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-02 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

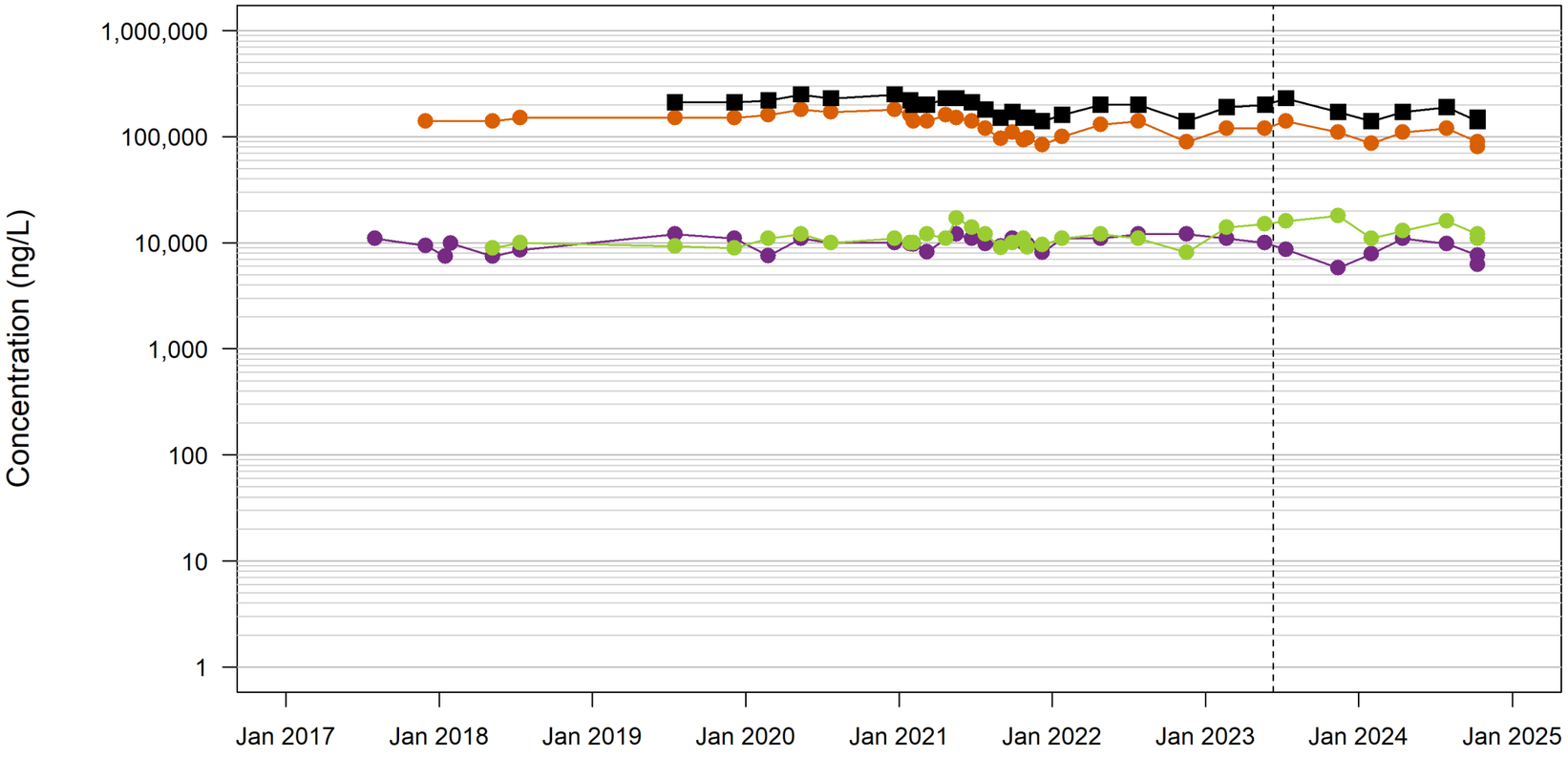
Raleigh | March 2025

Figure **C.2**

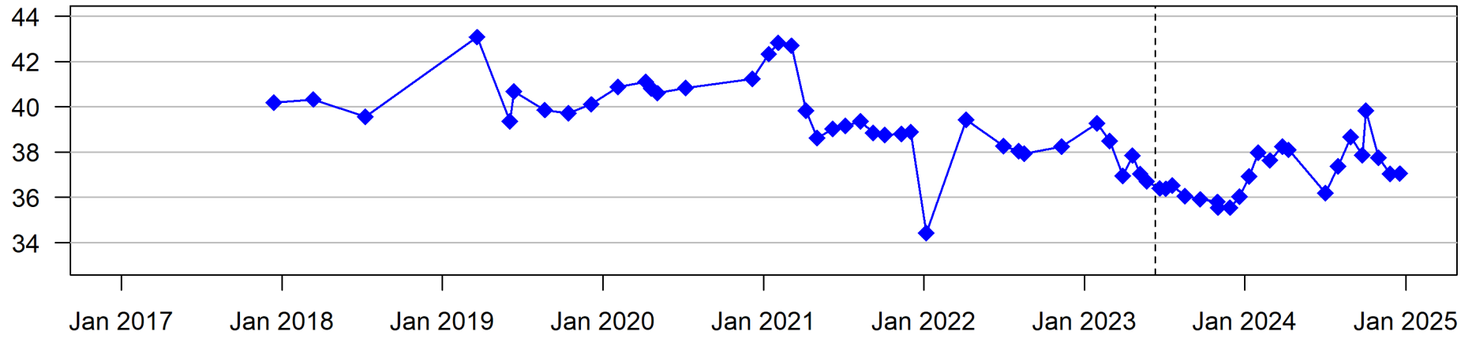
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

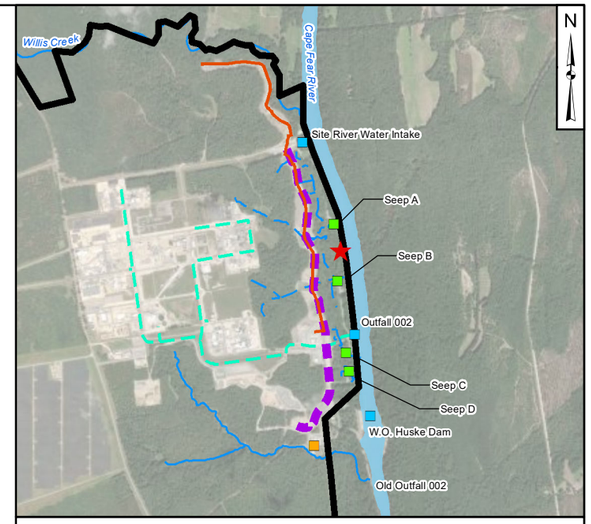
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-03 (Floodplain Deposits)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

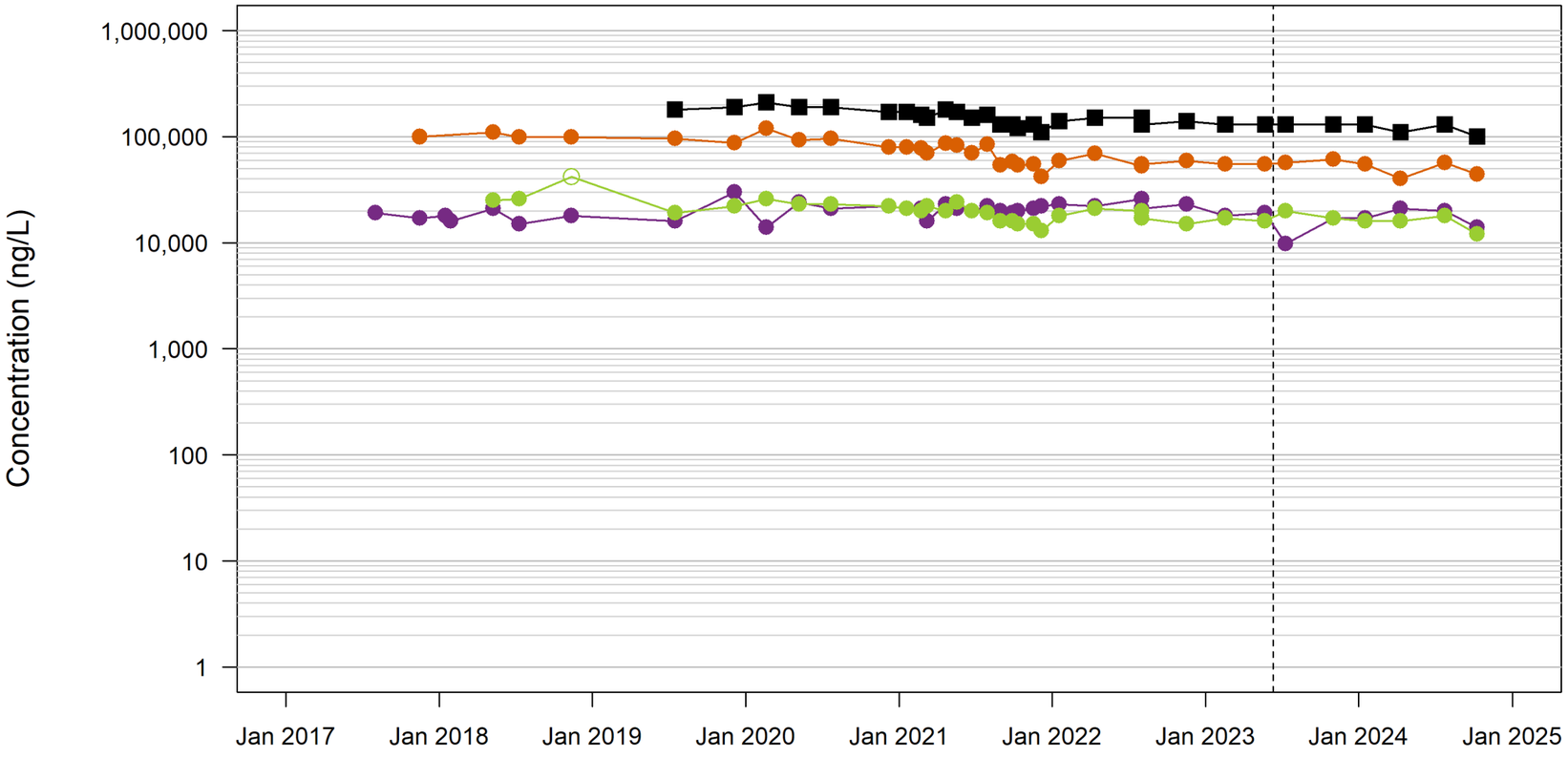
Raleigh | March 2025

Figure **C.3**

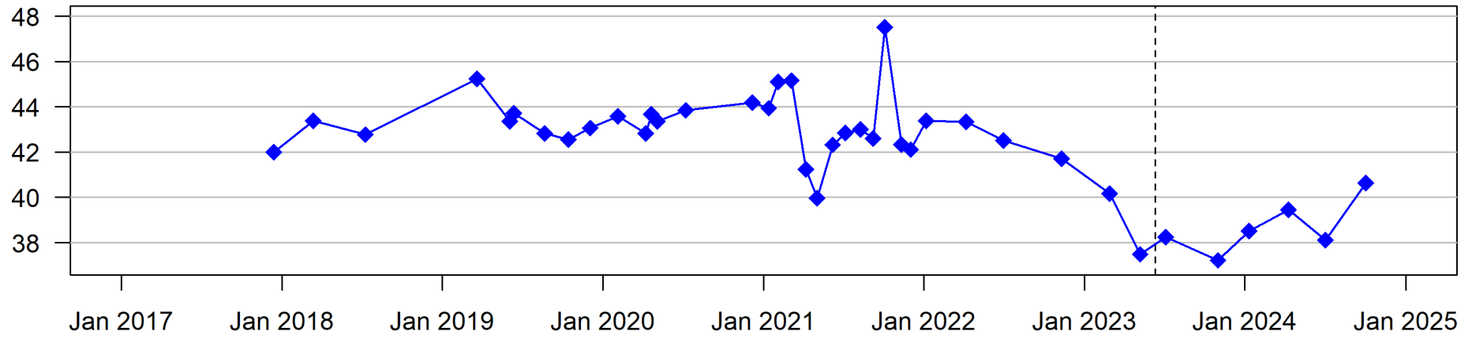
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

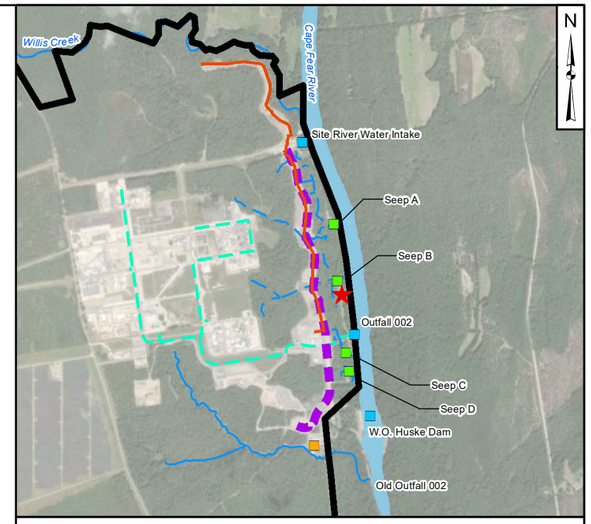
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-04 (Floodplain Deposits)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

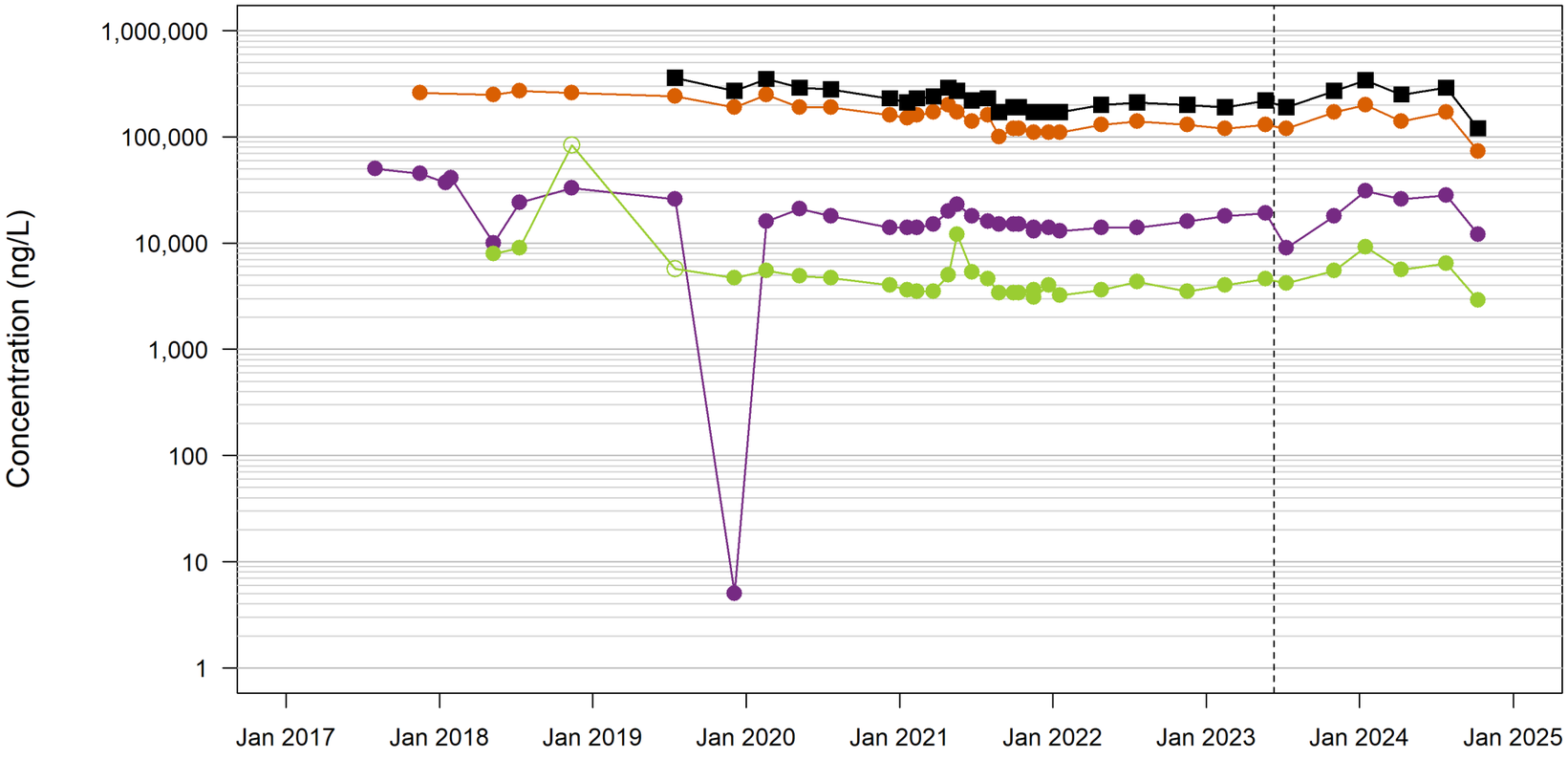
Raleigh | March 2025

Figure **C.4**

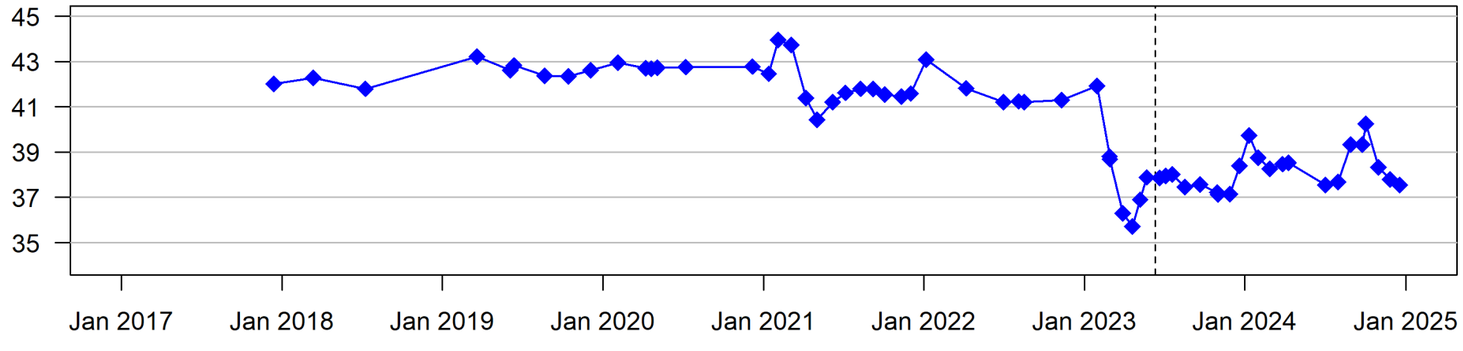
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

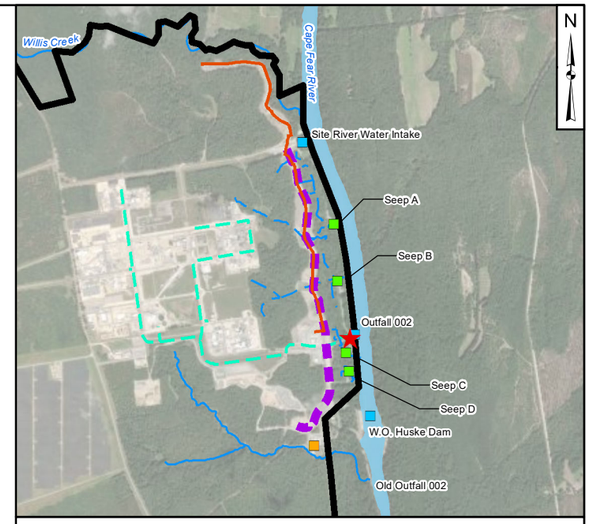
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at LTW-05 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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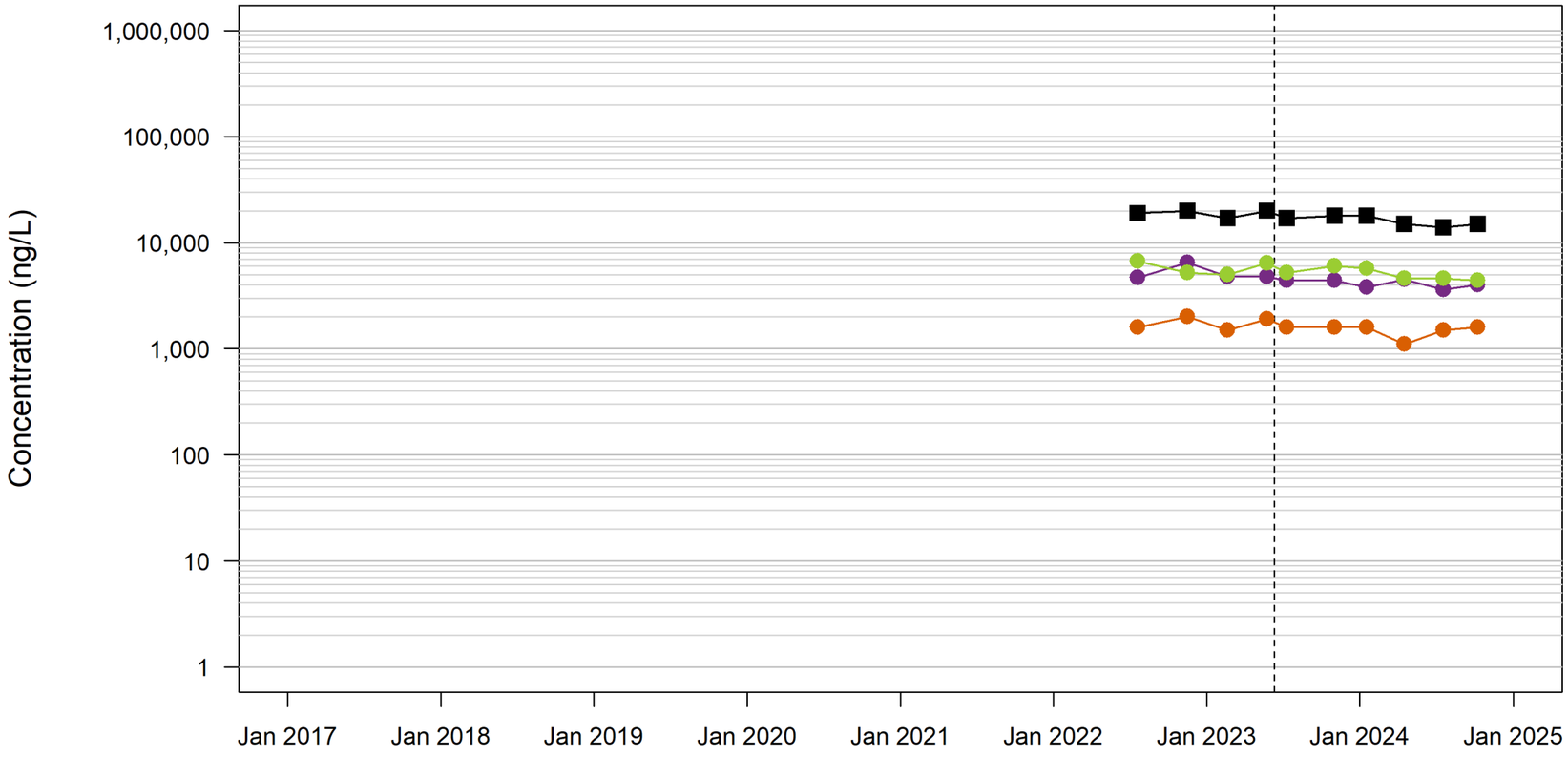
Figure **C.5**

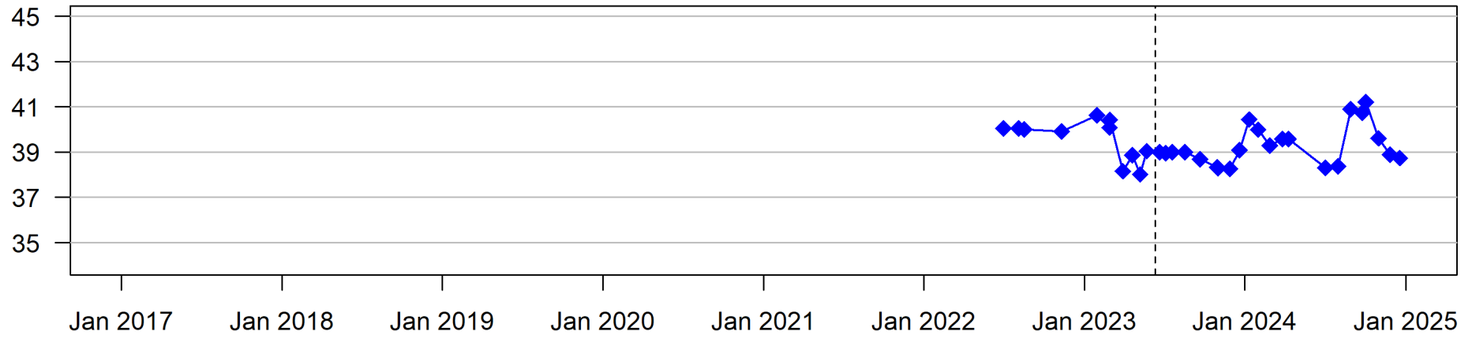
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

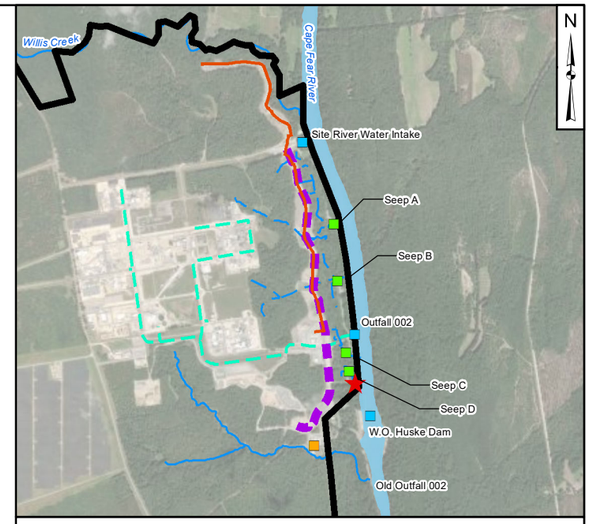
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-28 (Black Creek Aquifer)

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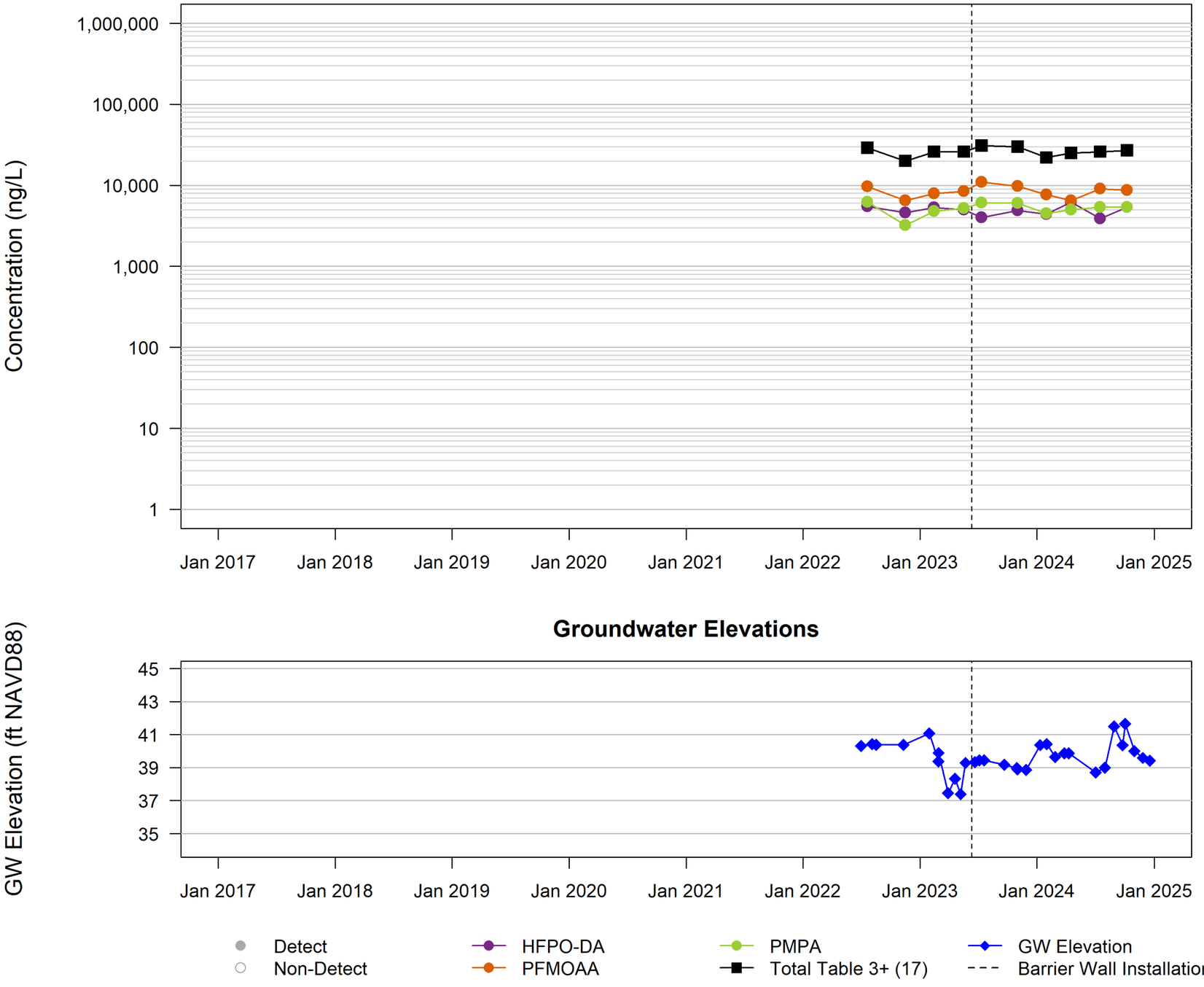
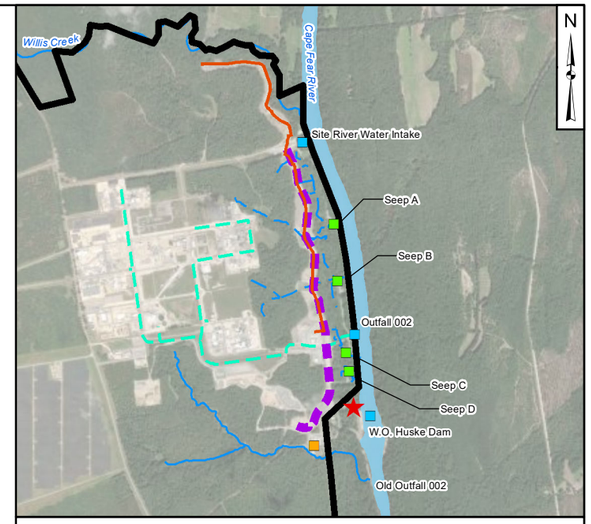
Figure **C.6**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-33 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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NC License No.: C 3500 and C 295

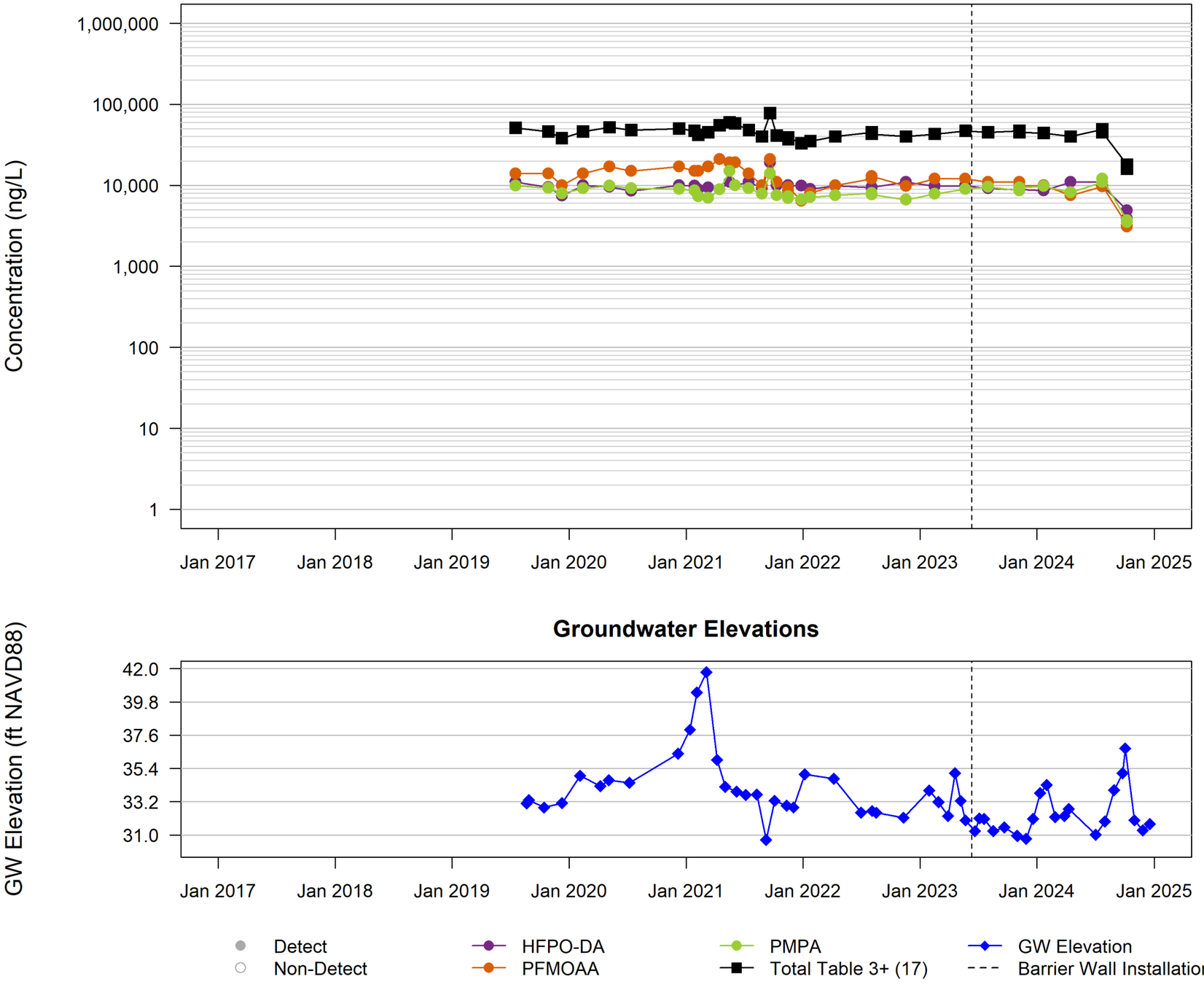
Raleigh | March 2025

Figure **C.7**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

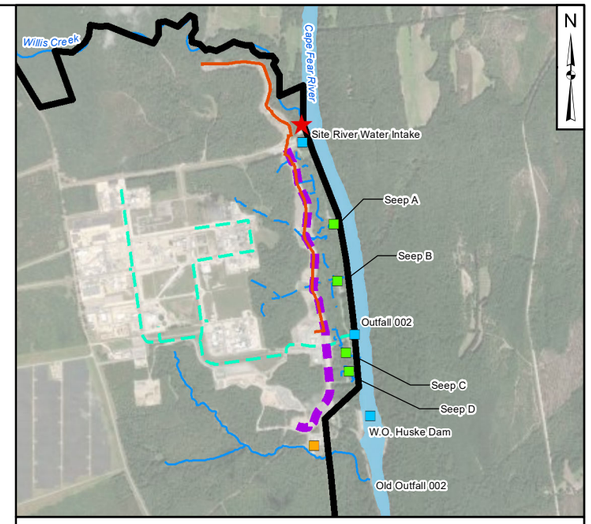
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-1D (Black Creek Aquifer)

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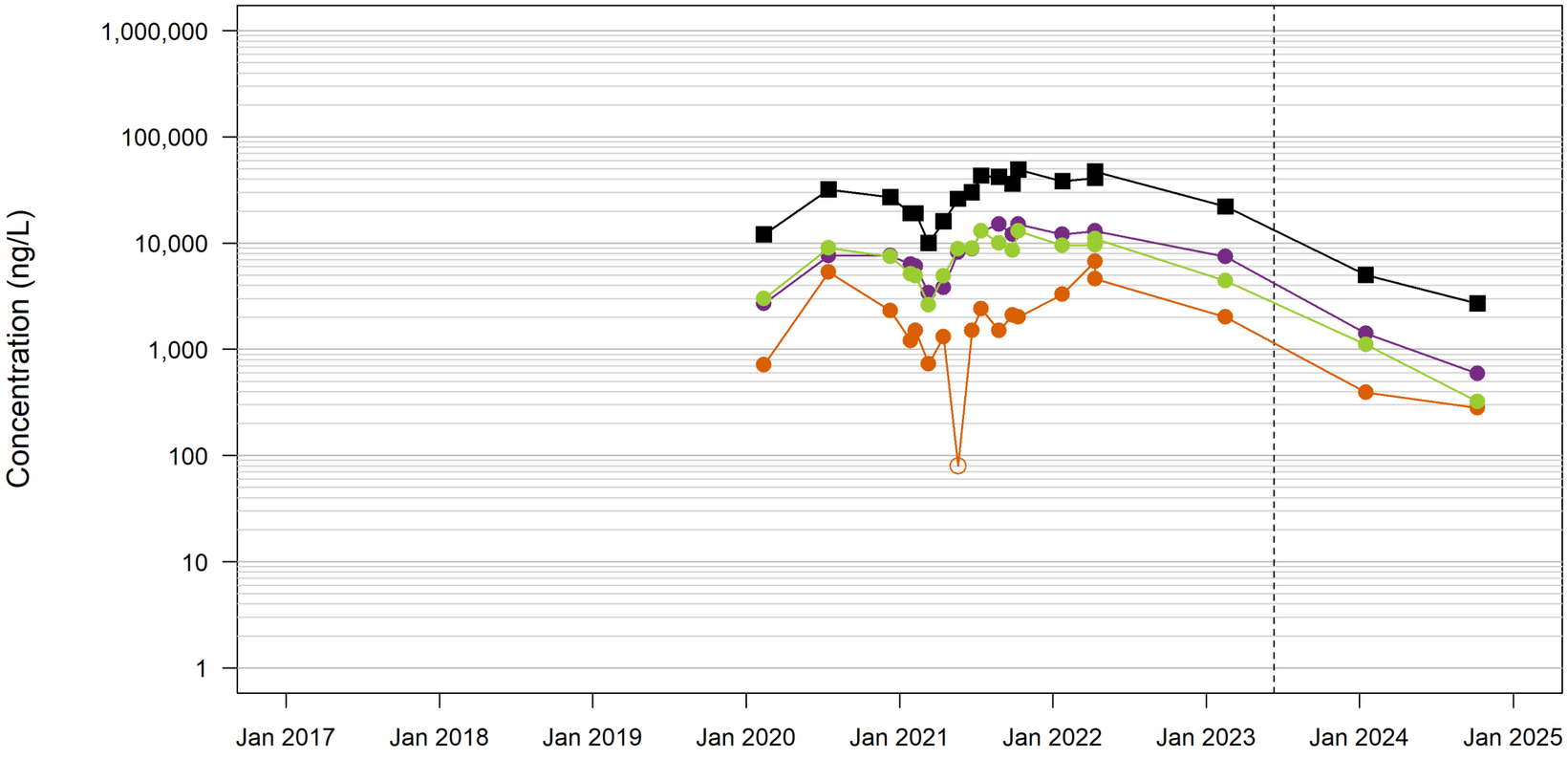
Figure **C.8**

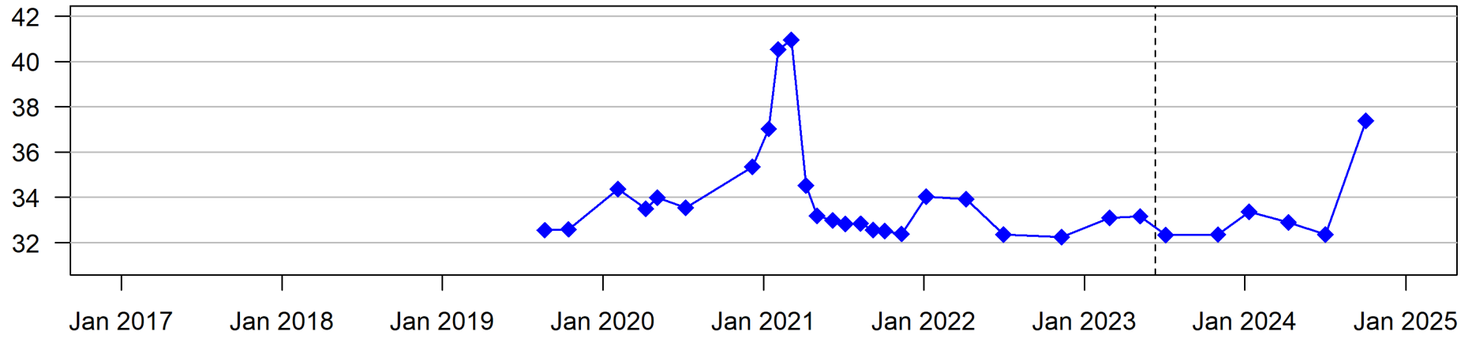
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

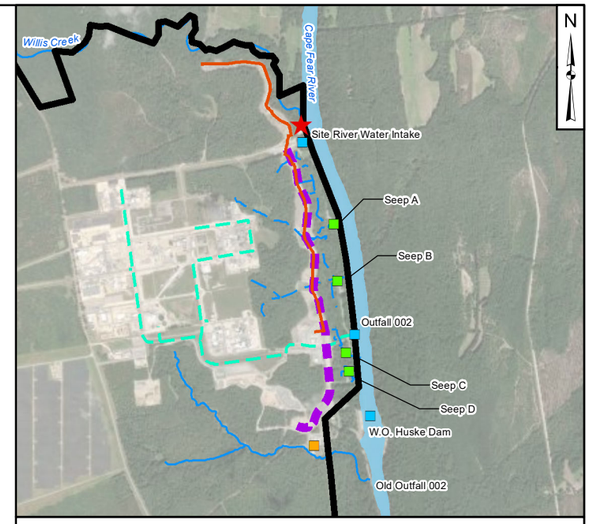
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-1S (Floodplain Deposits)

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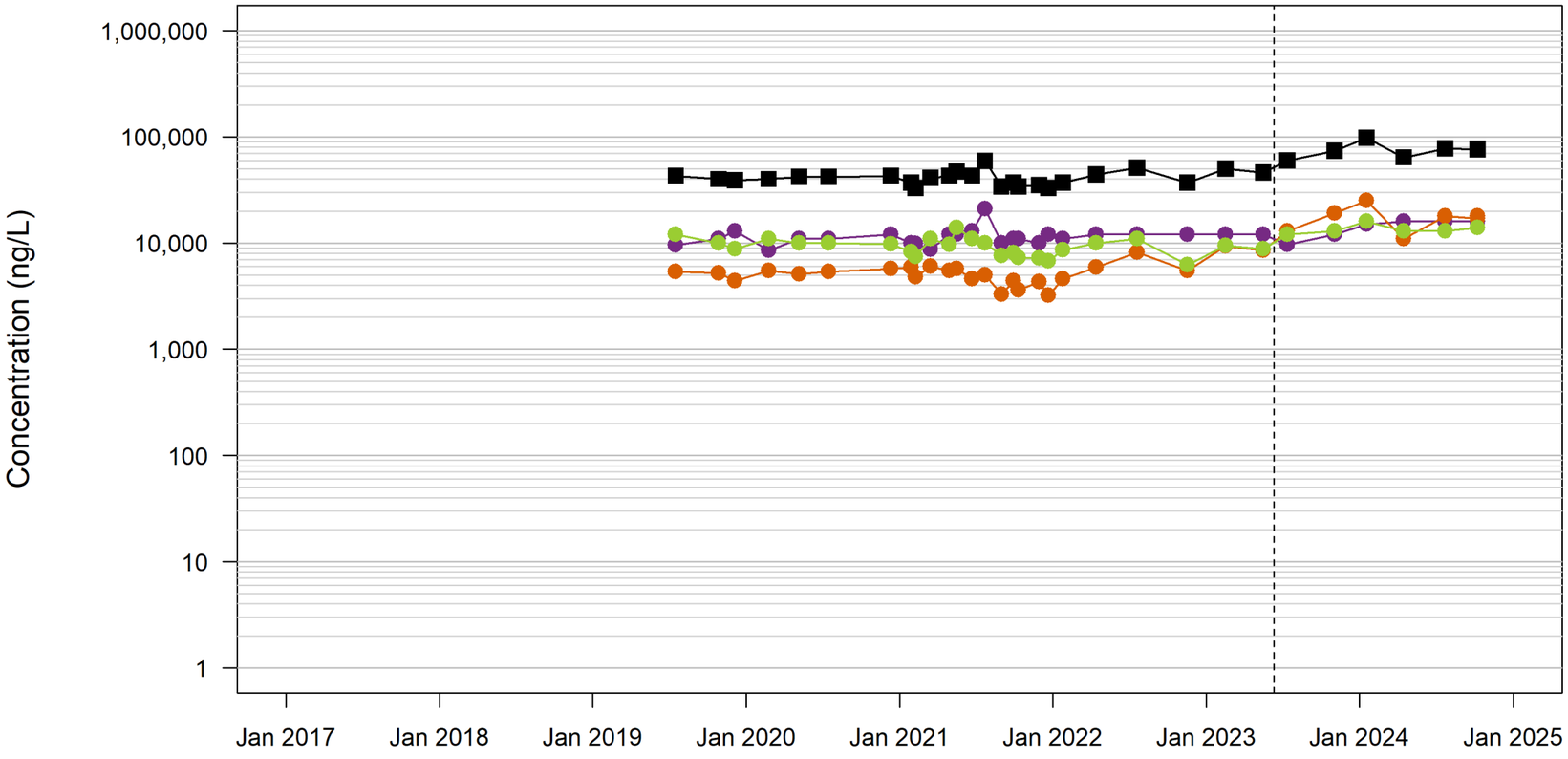
Figure **C.9**

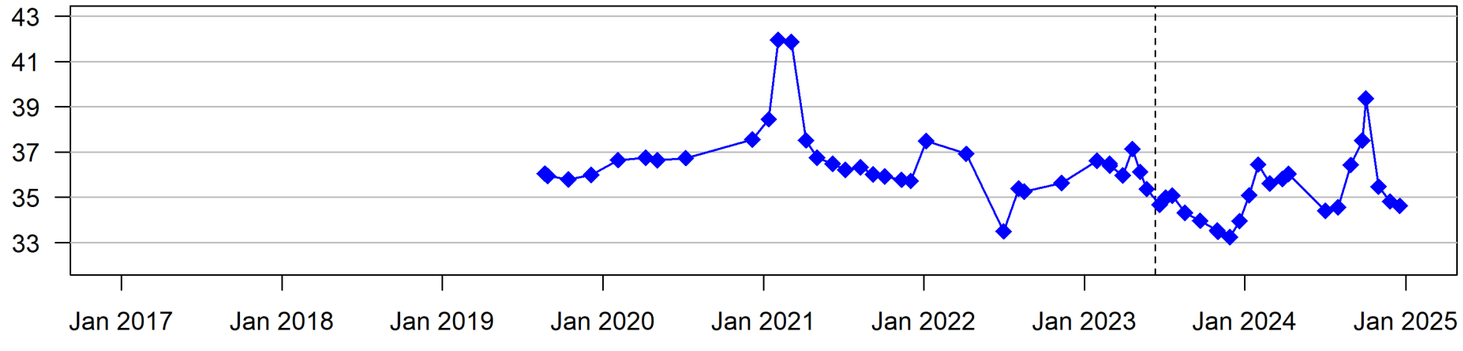
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

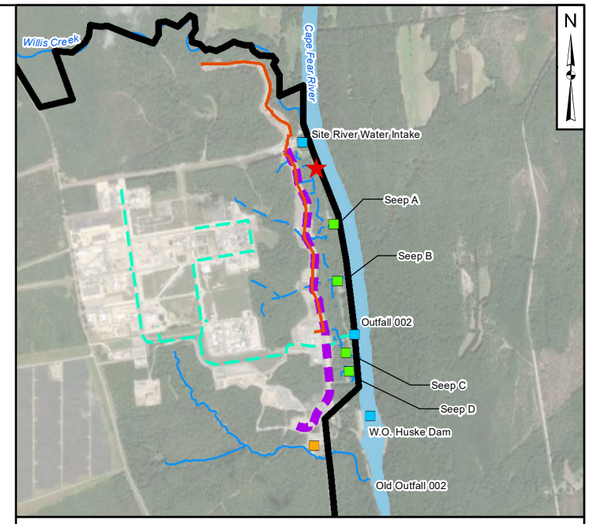
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-3D (Black Creek Aquifer)

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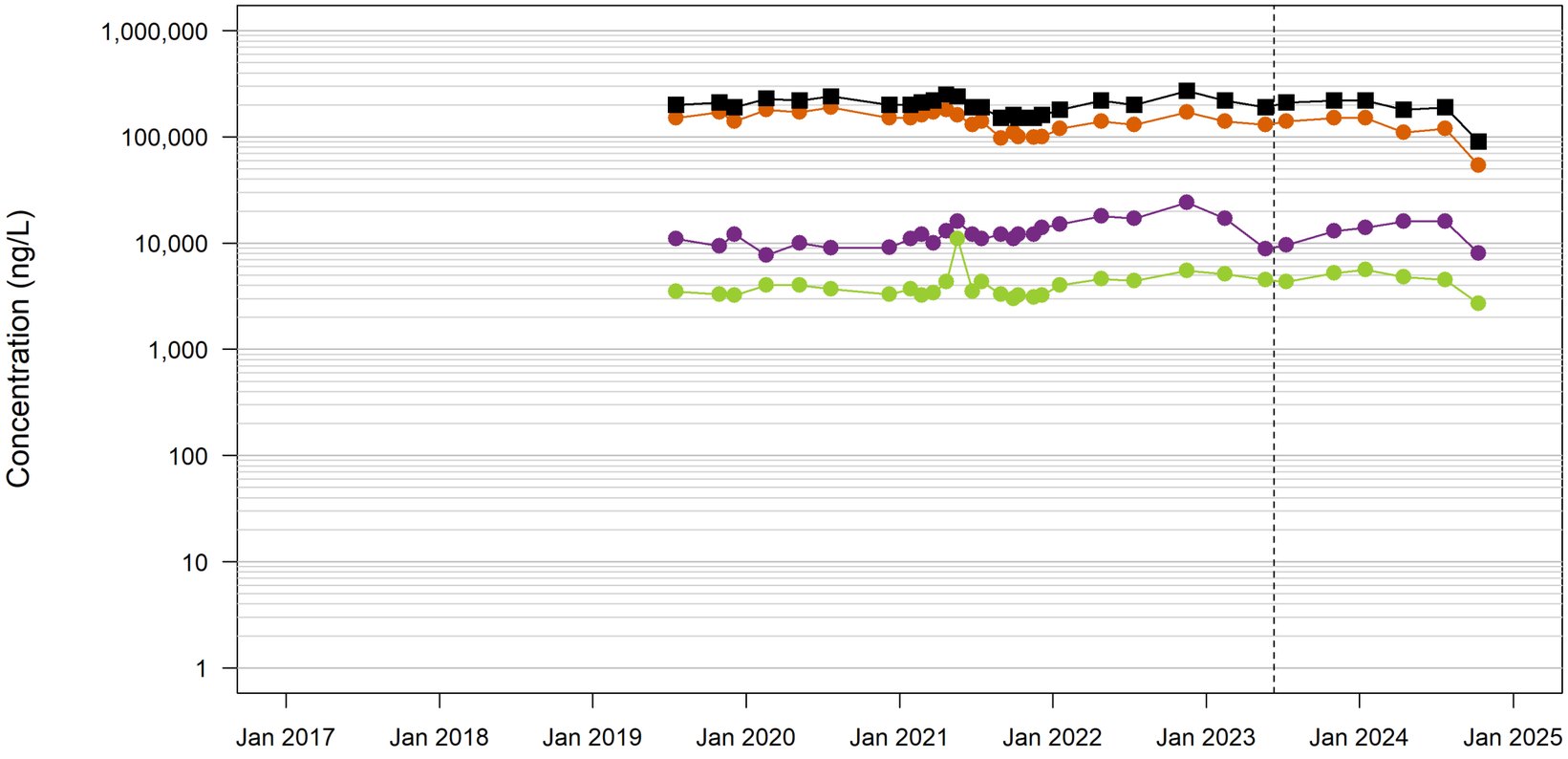
Figure
C.10

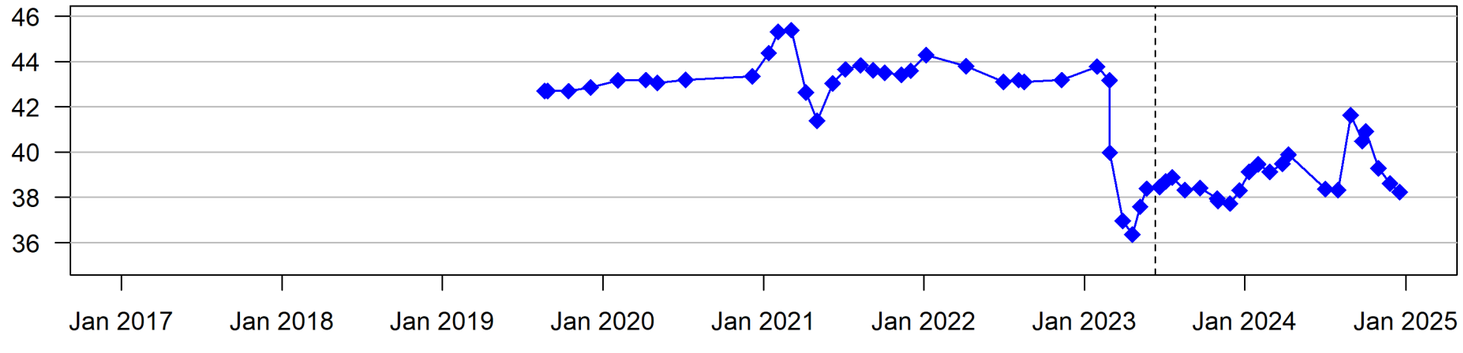
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

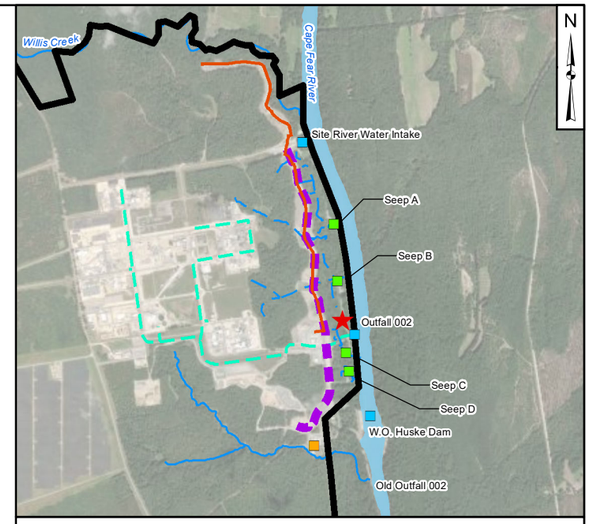
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-7D (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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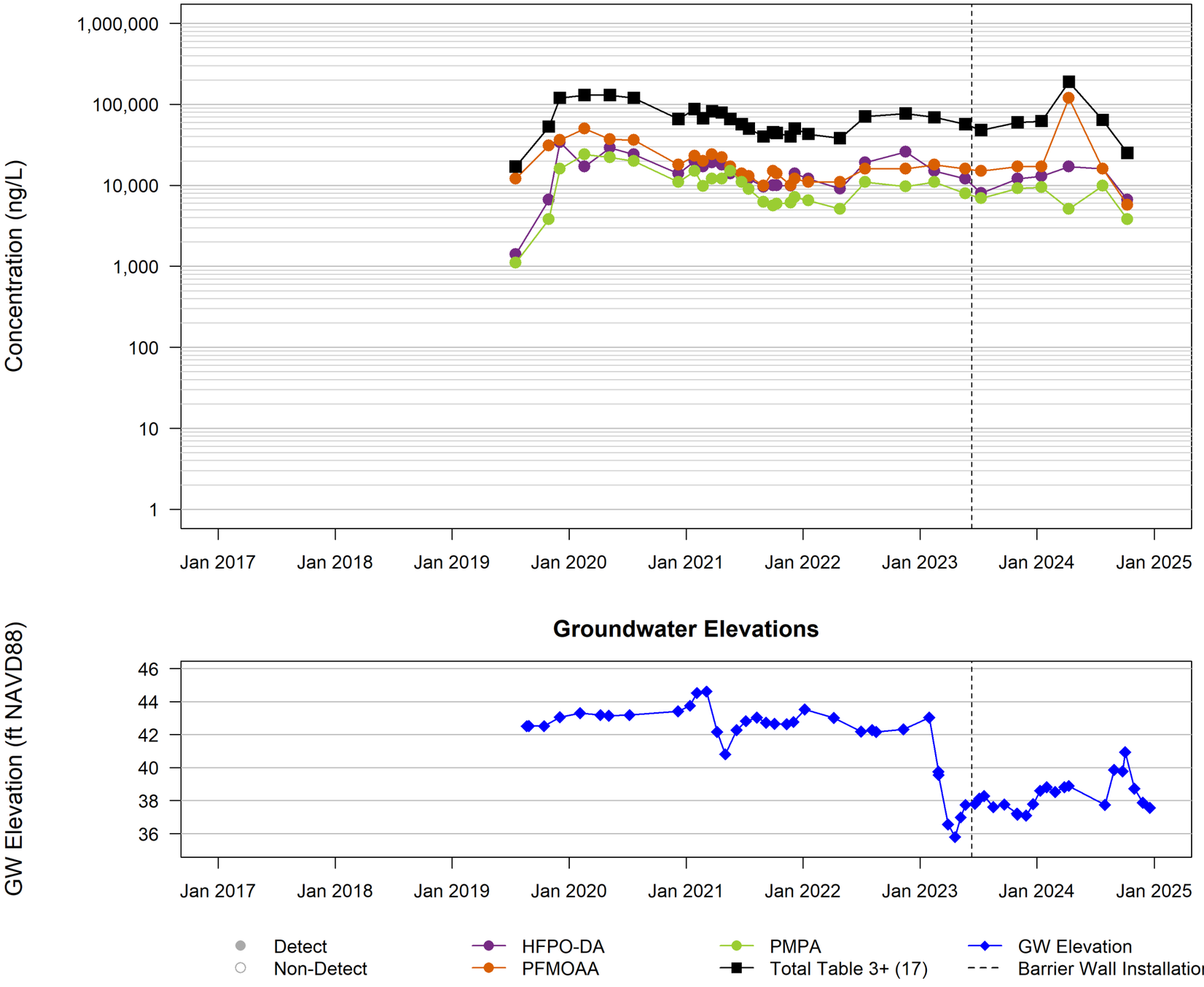
Raleigh | March 2025

Figure
C.11

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

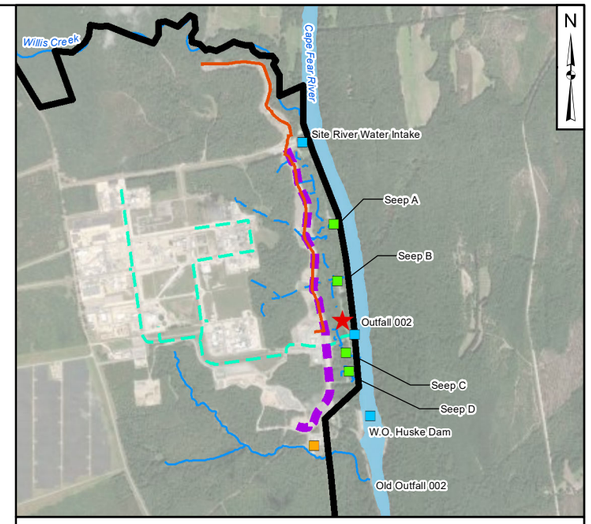
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-7S (Floodplain Deposits)

Chemours Fayetteville Works, North Carolina

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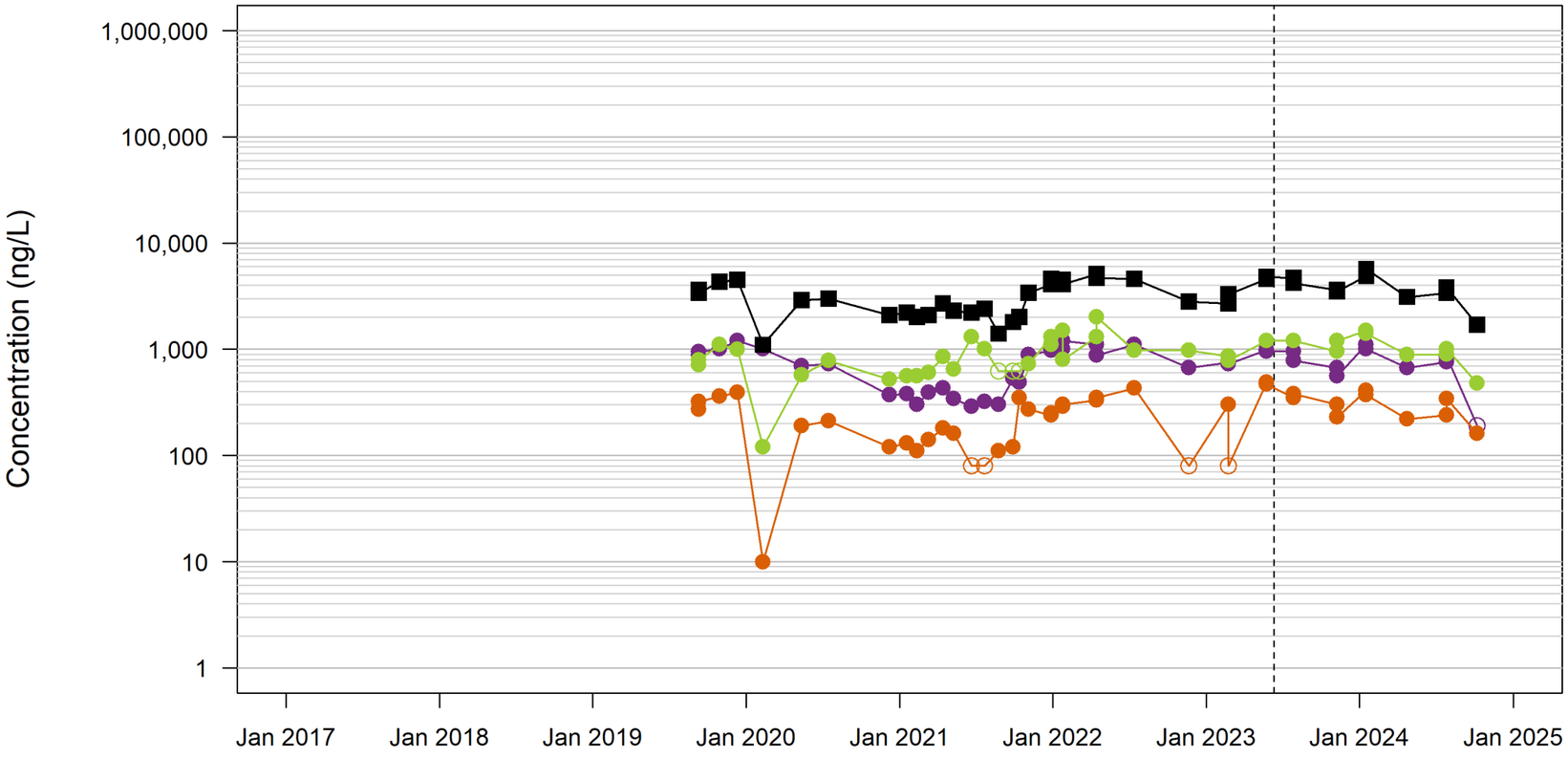
Figure
C.12

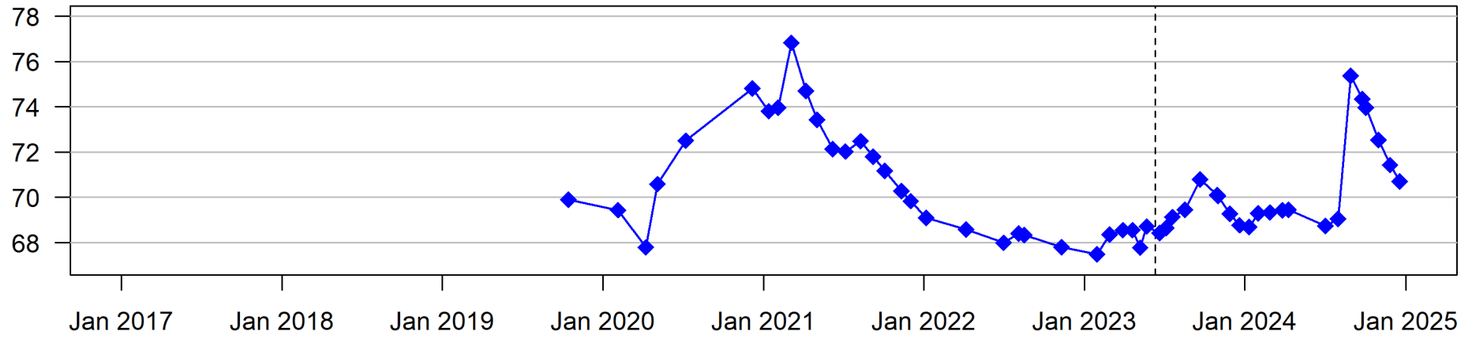
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

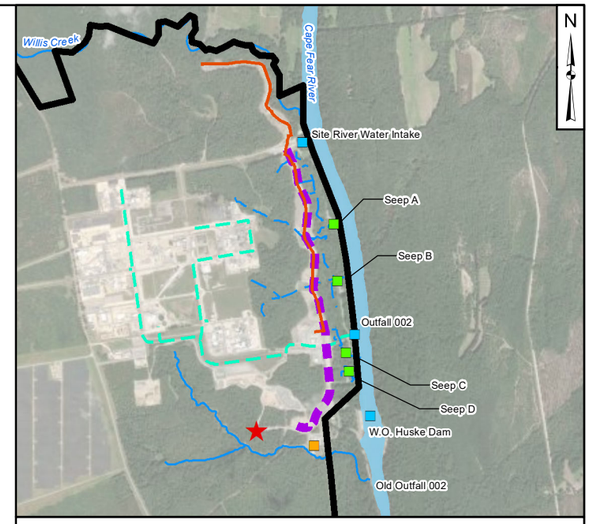
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-04 (Surficial Aquifer)

Chemours Fayetteville Works, North Carolina

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NC License No.: C 3500 and C 295

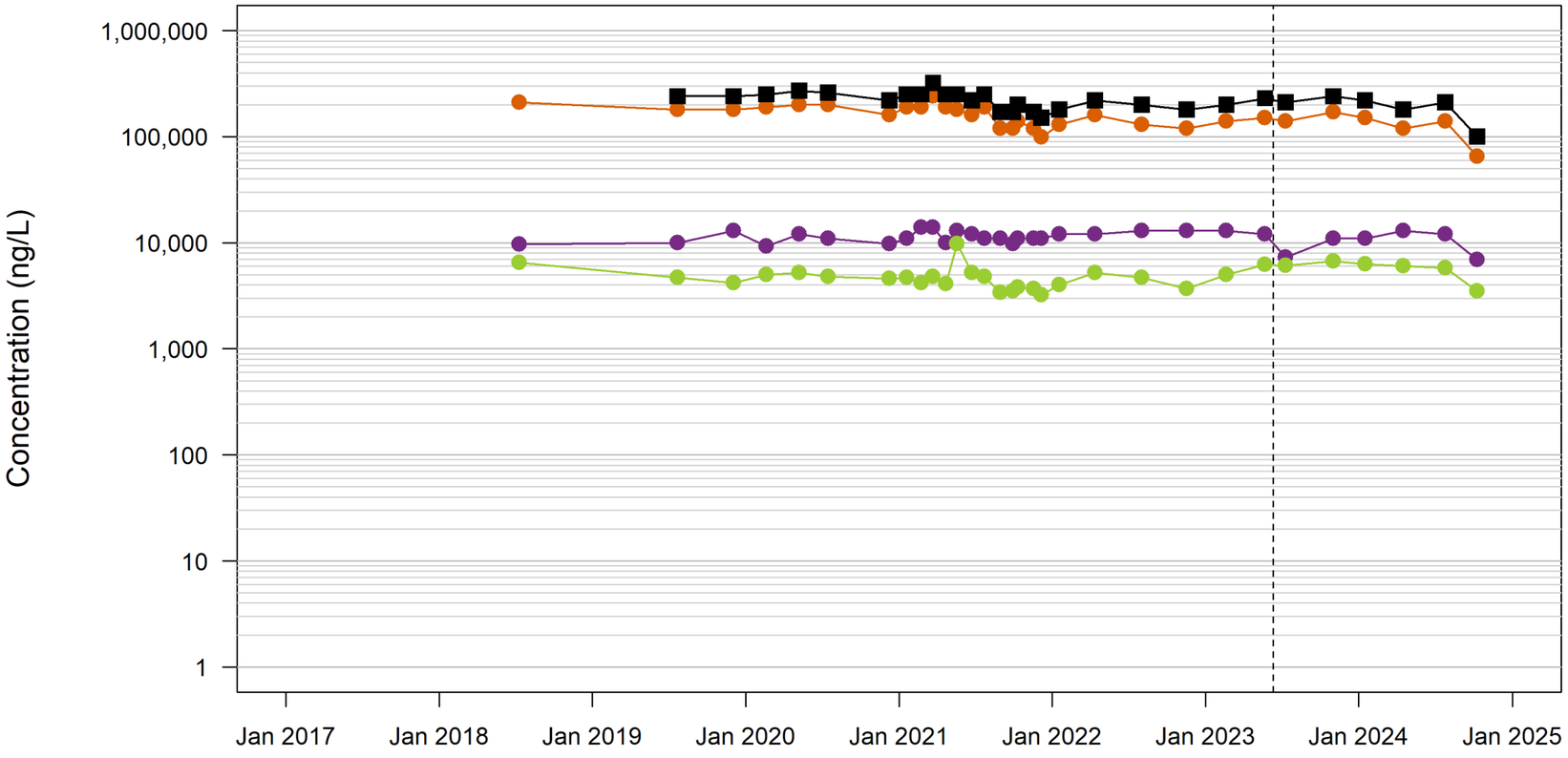
Raleigh | March 2025

Figure
C.13

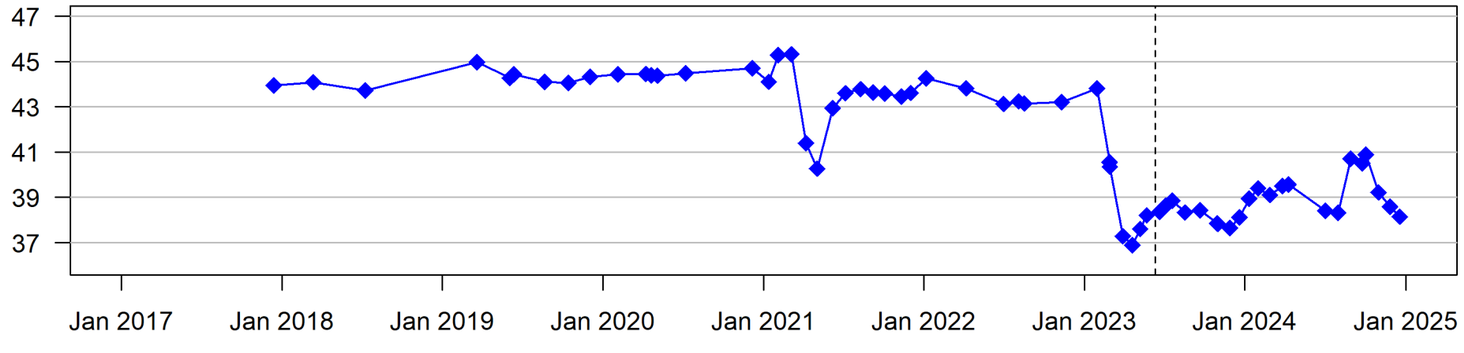
Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

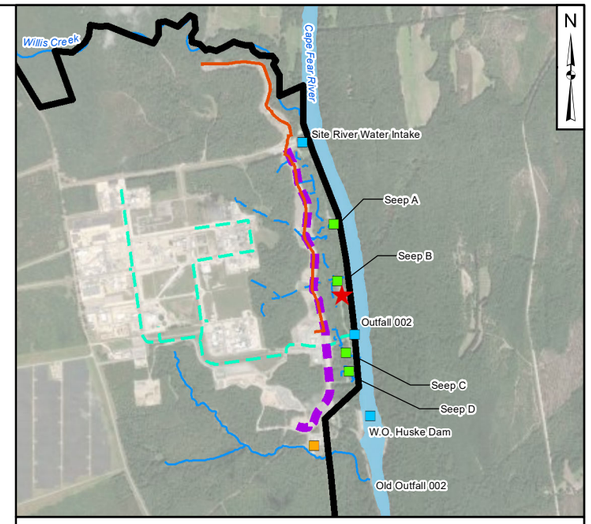
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PZ-22 (Black Creek Aquifer)

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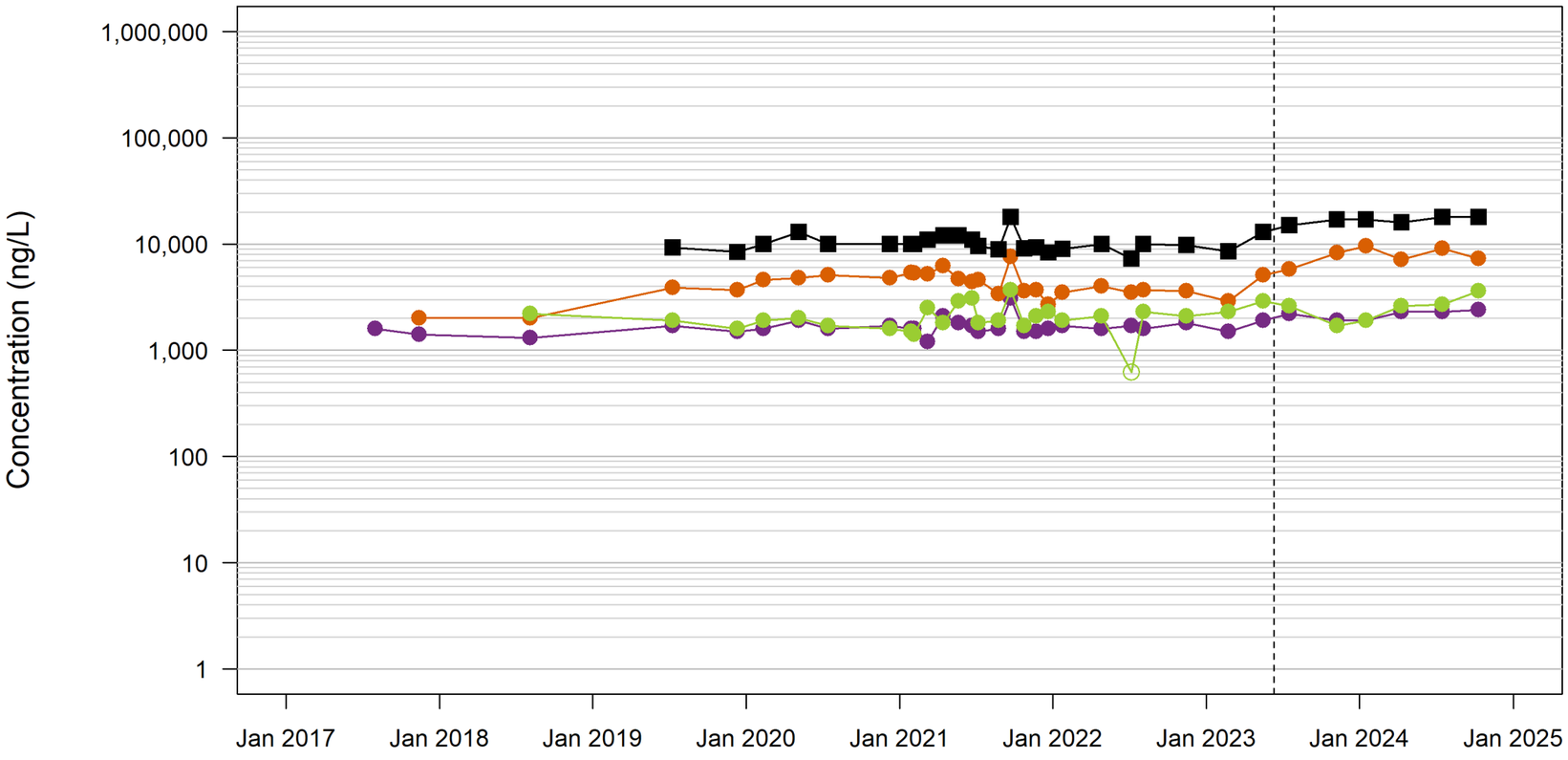
Figure
C.14

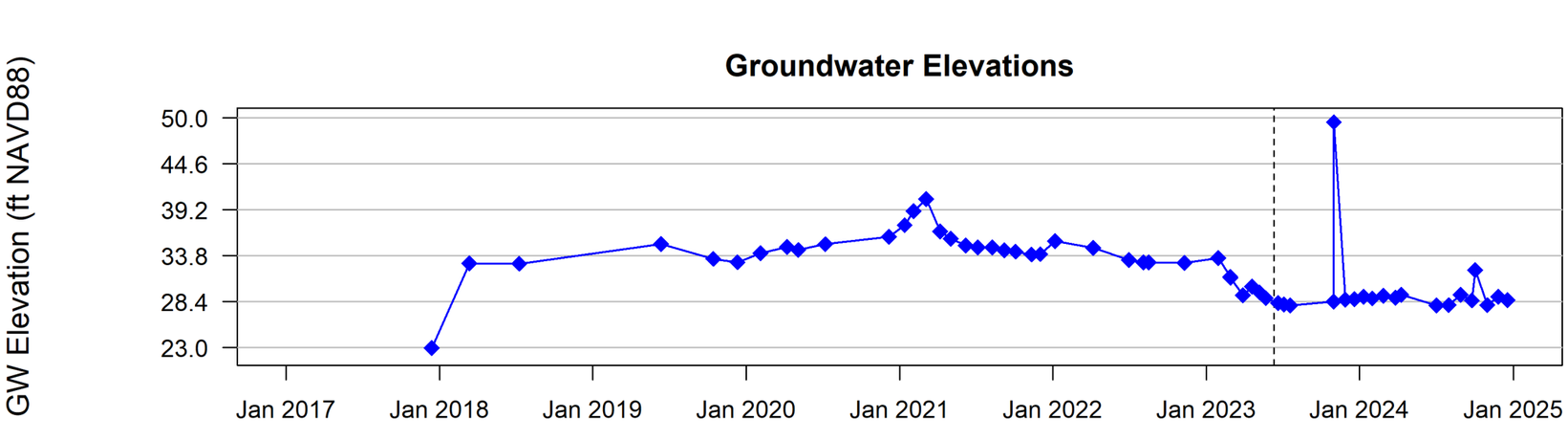
Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

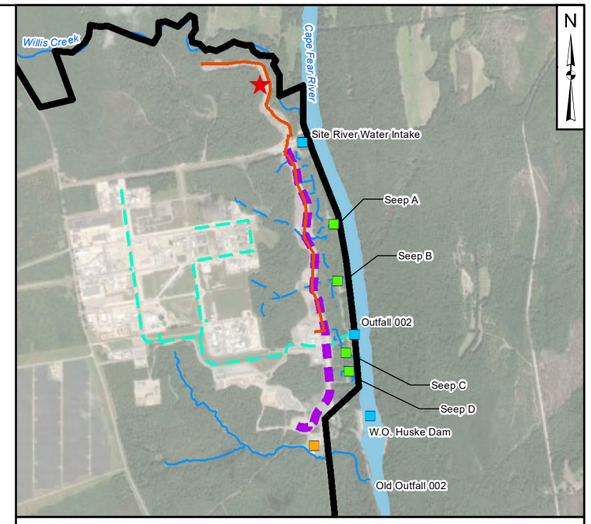
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at SMW-12 (Black Creek Aquifer)

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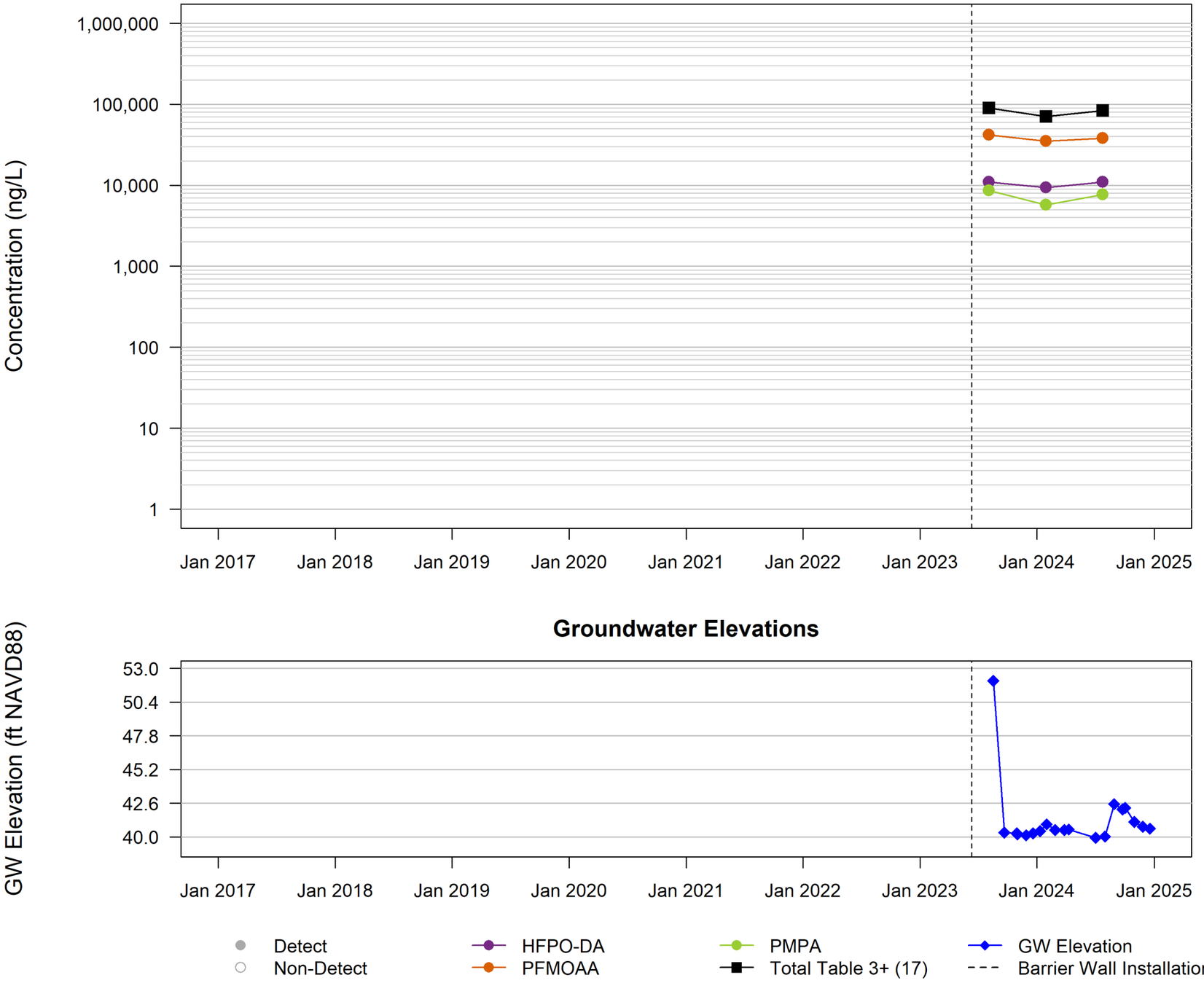
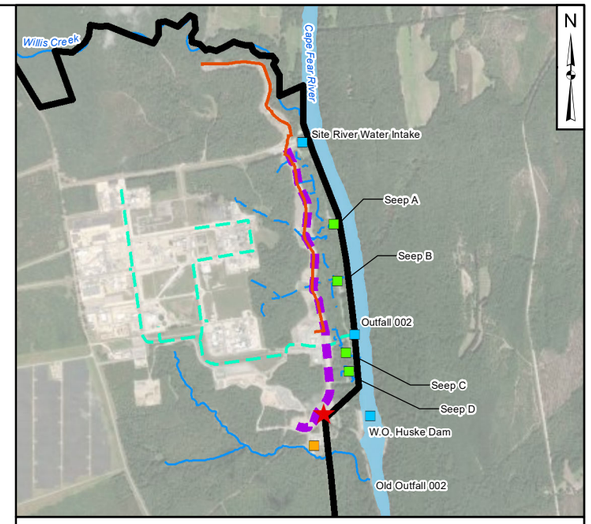
Figure
C.15

Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-4R (Black Creek Aquifer)

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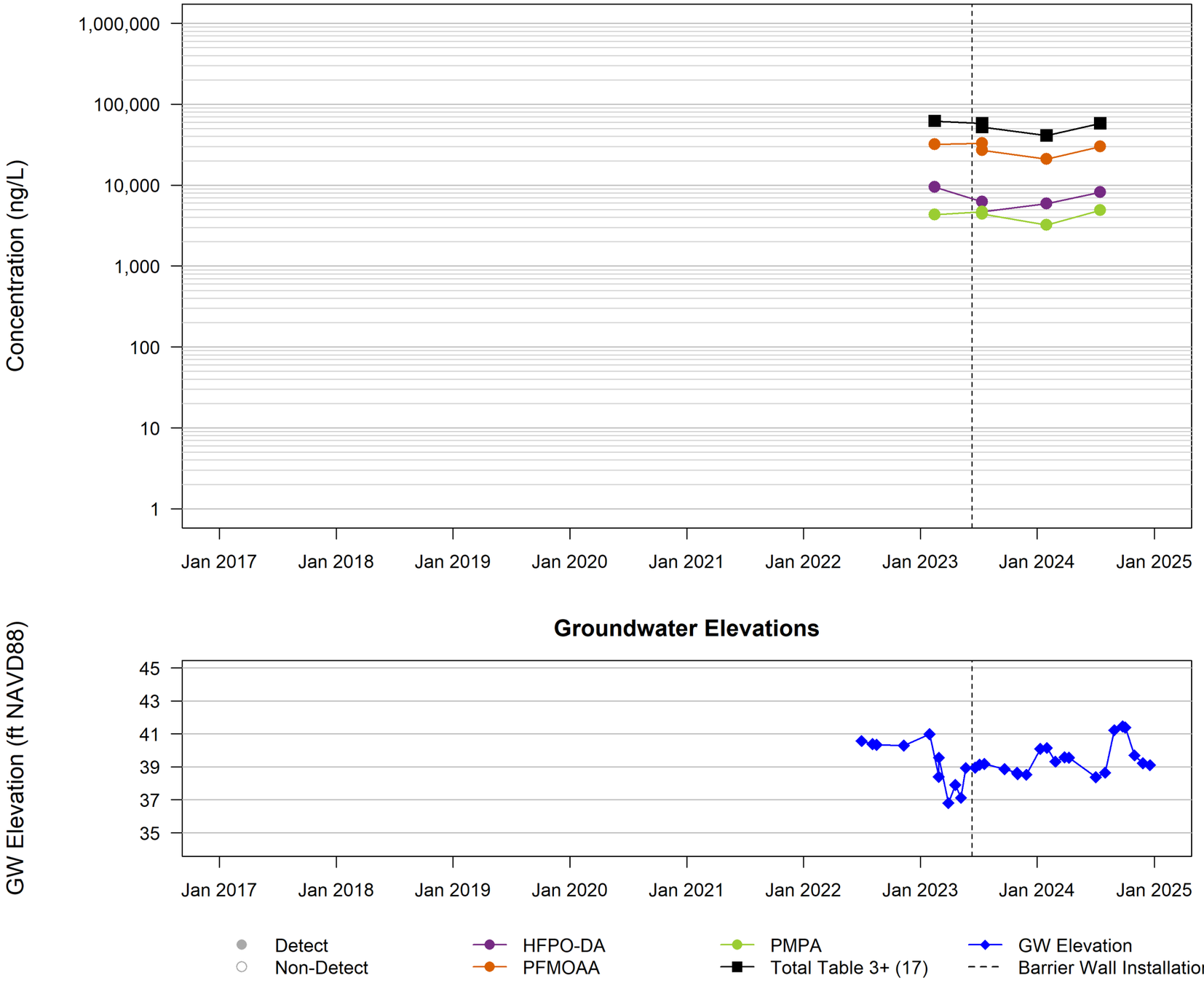
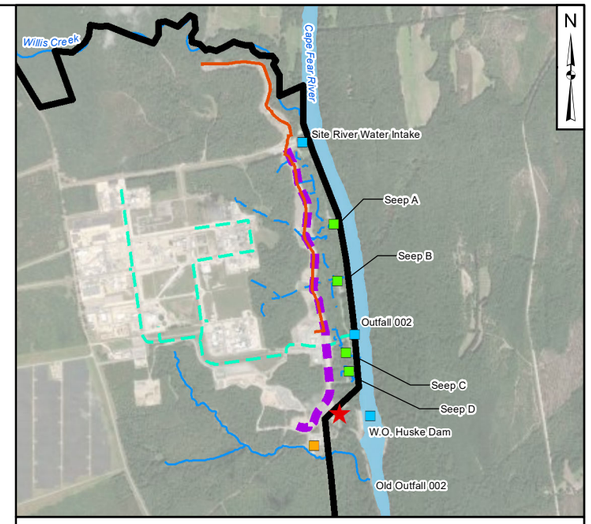
Figure **C.16**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-30 (Black Creek Aquifer)

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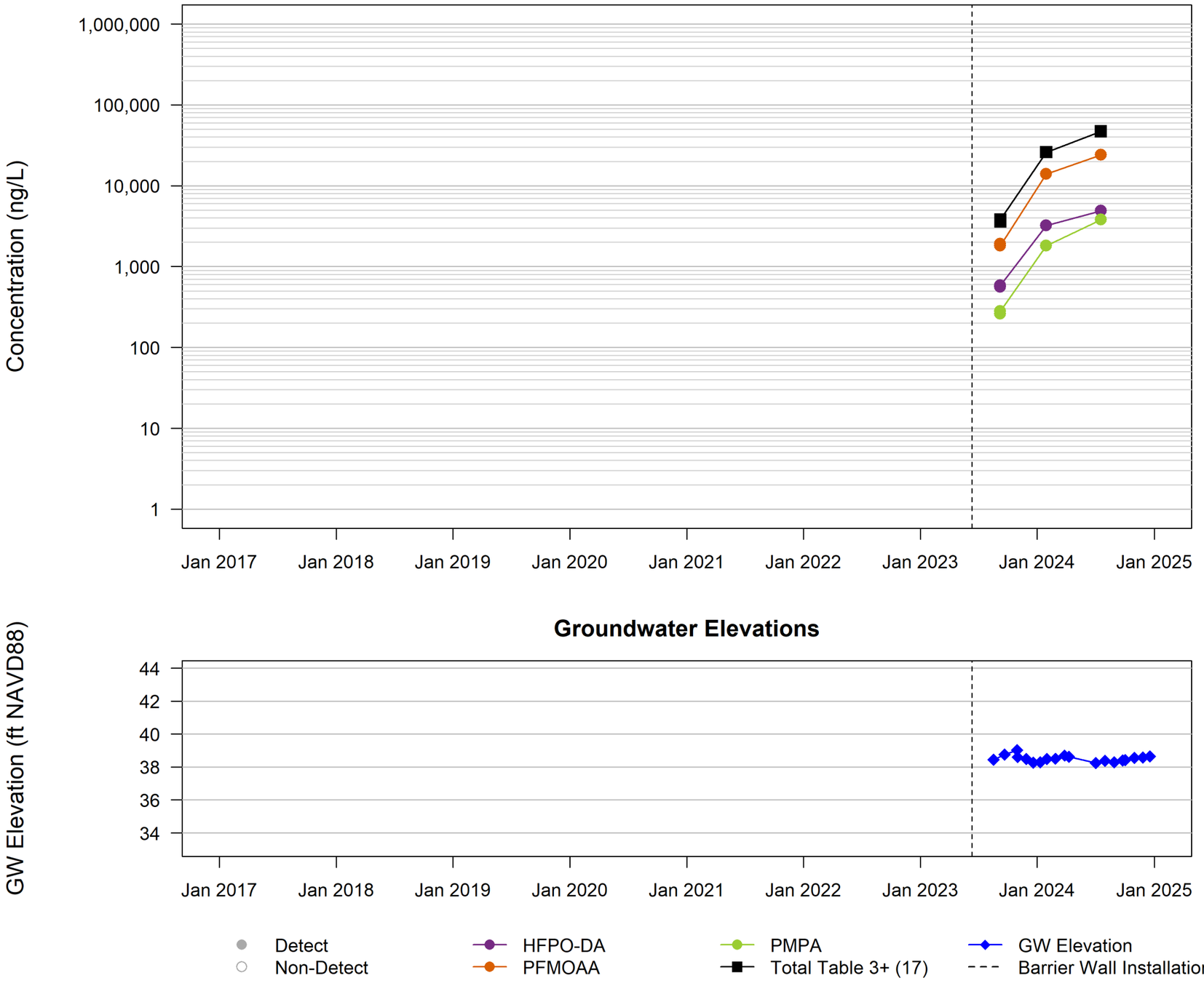
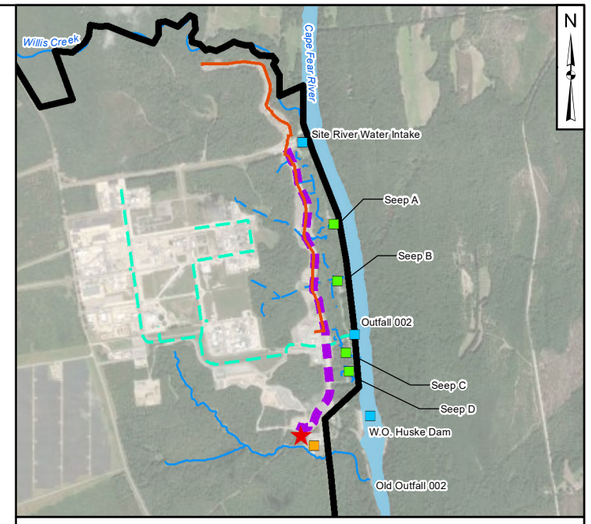
Figure **C.17**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-32 (Black Creek Aquifer)

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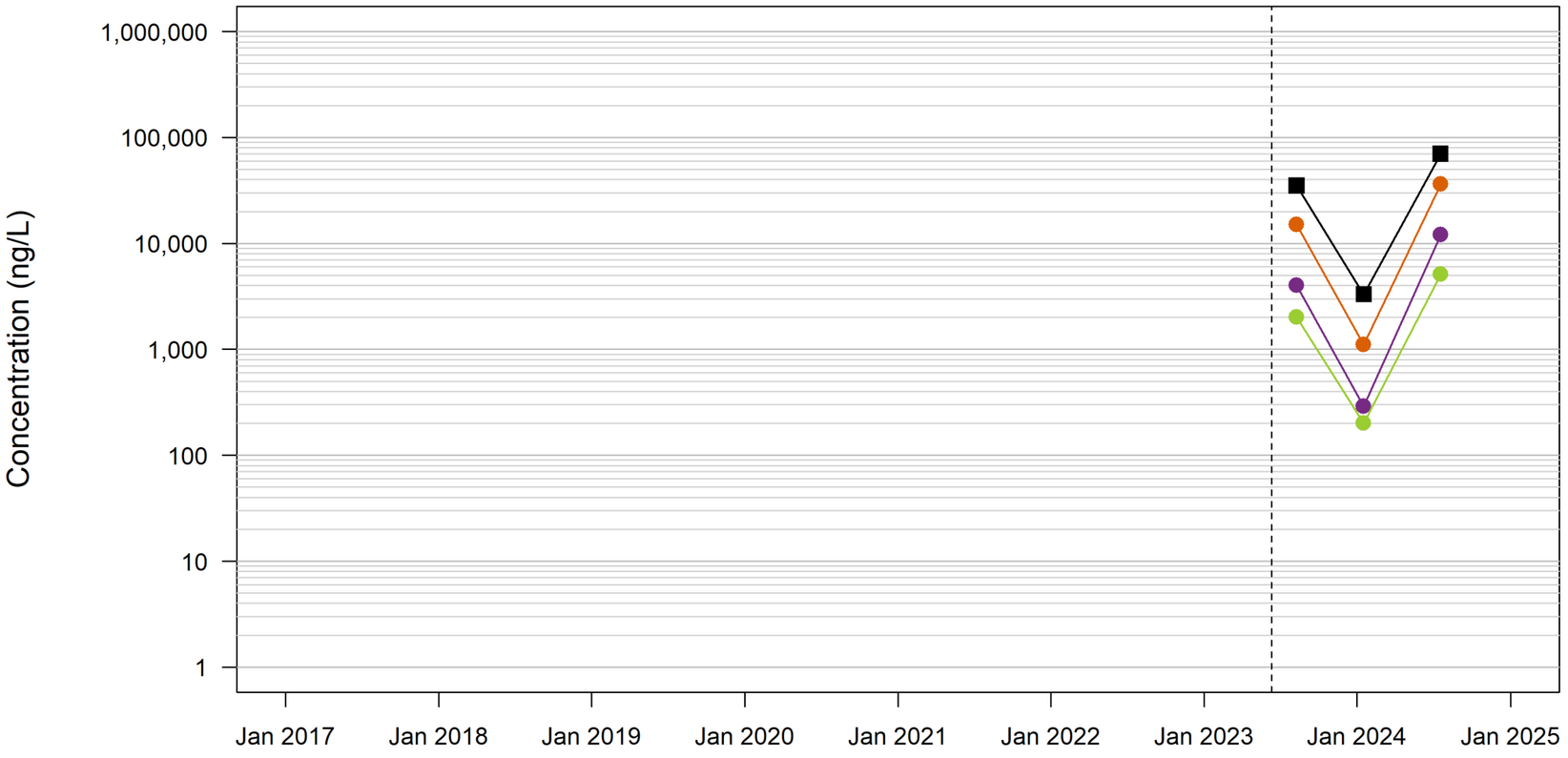
Raleigh | March 2025

Figure **C.18**

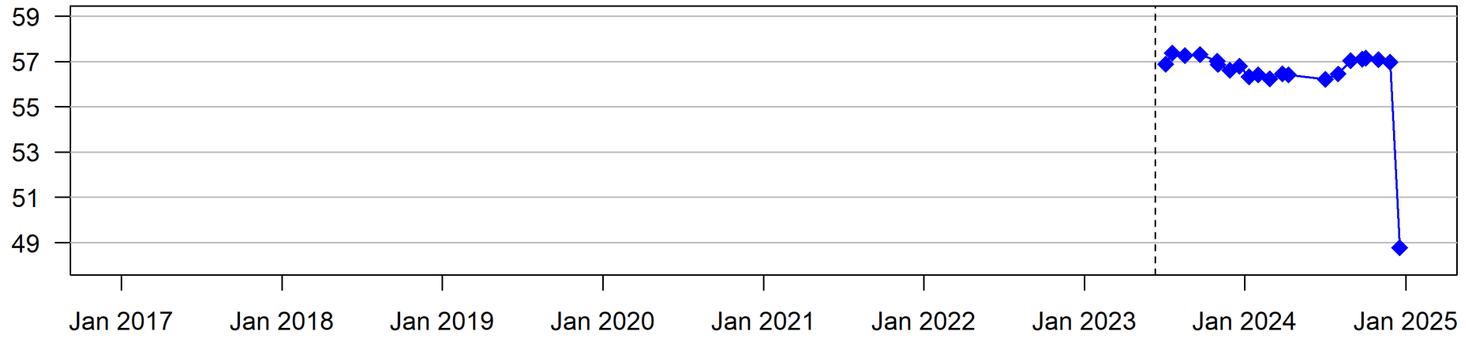
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

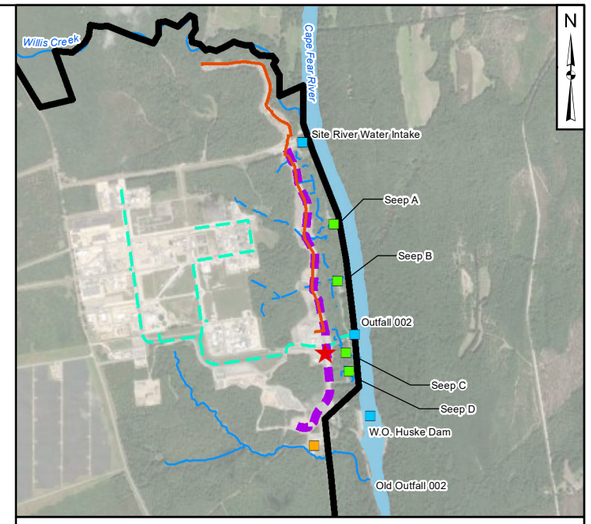
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-37 (Surficial Aquifer)

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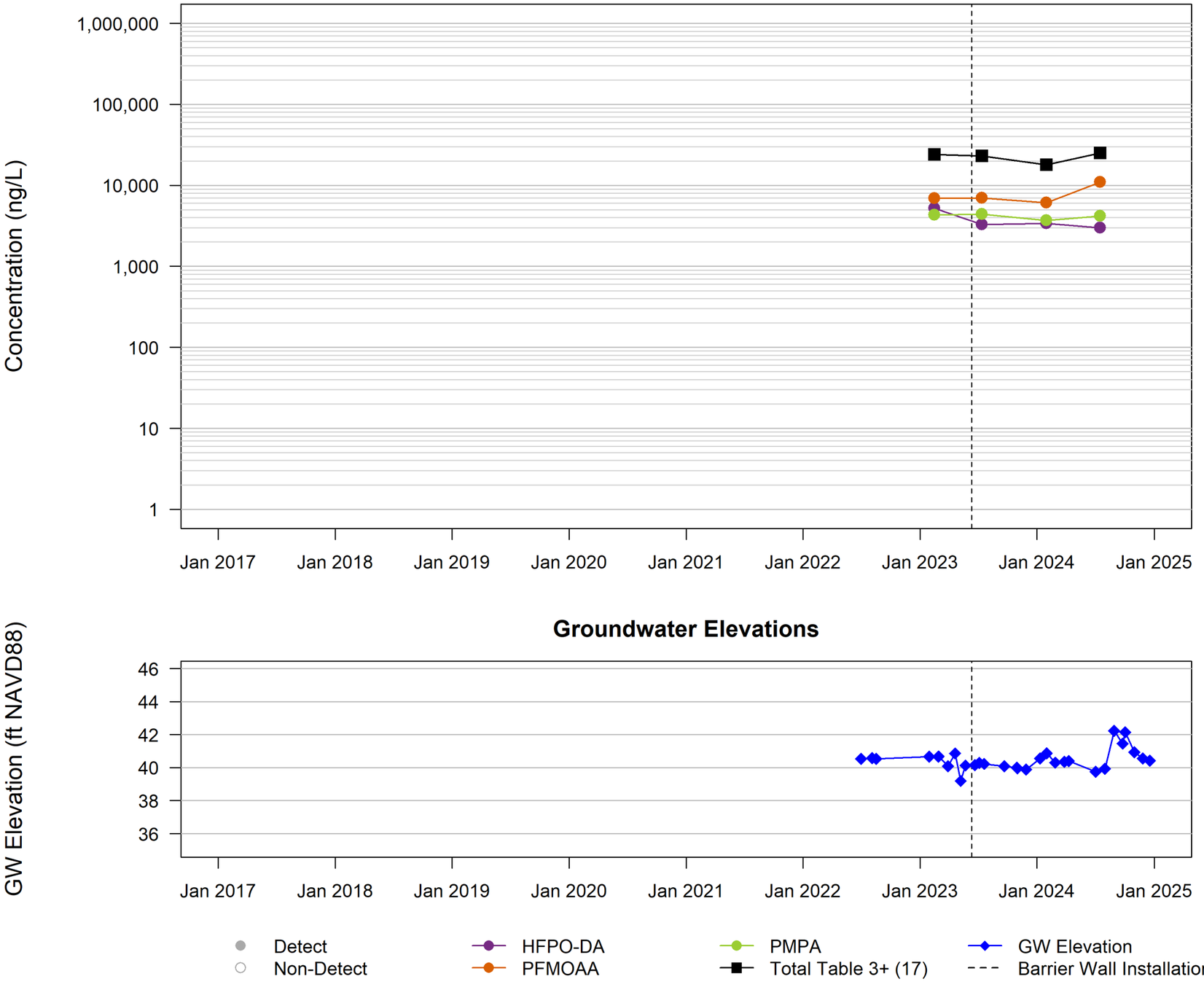
Figure **C.19**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

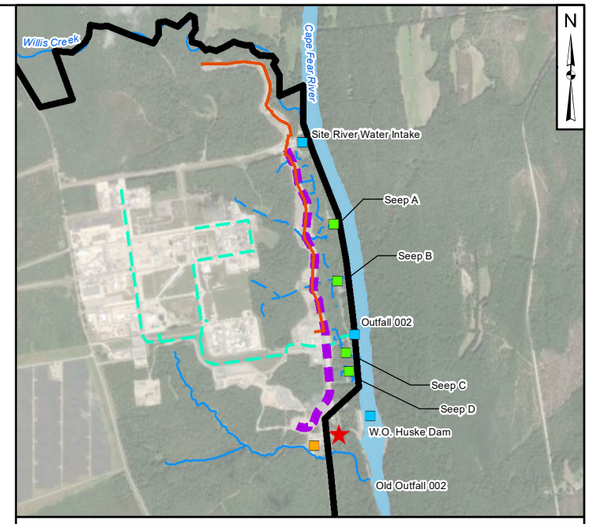
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-40 (Black Creek Aquifer)

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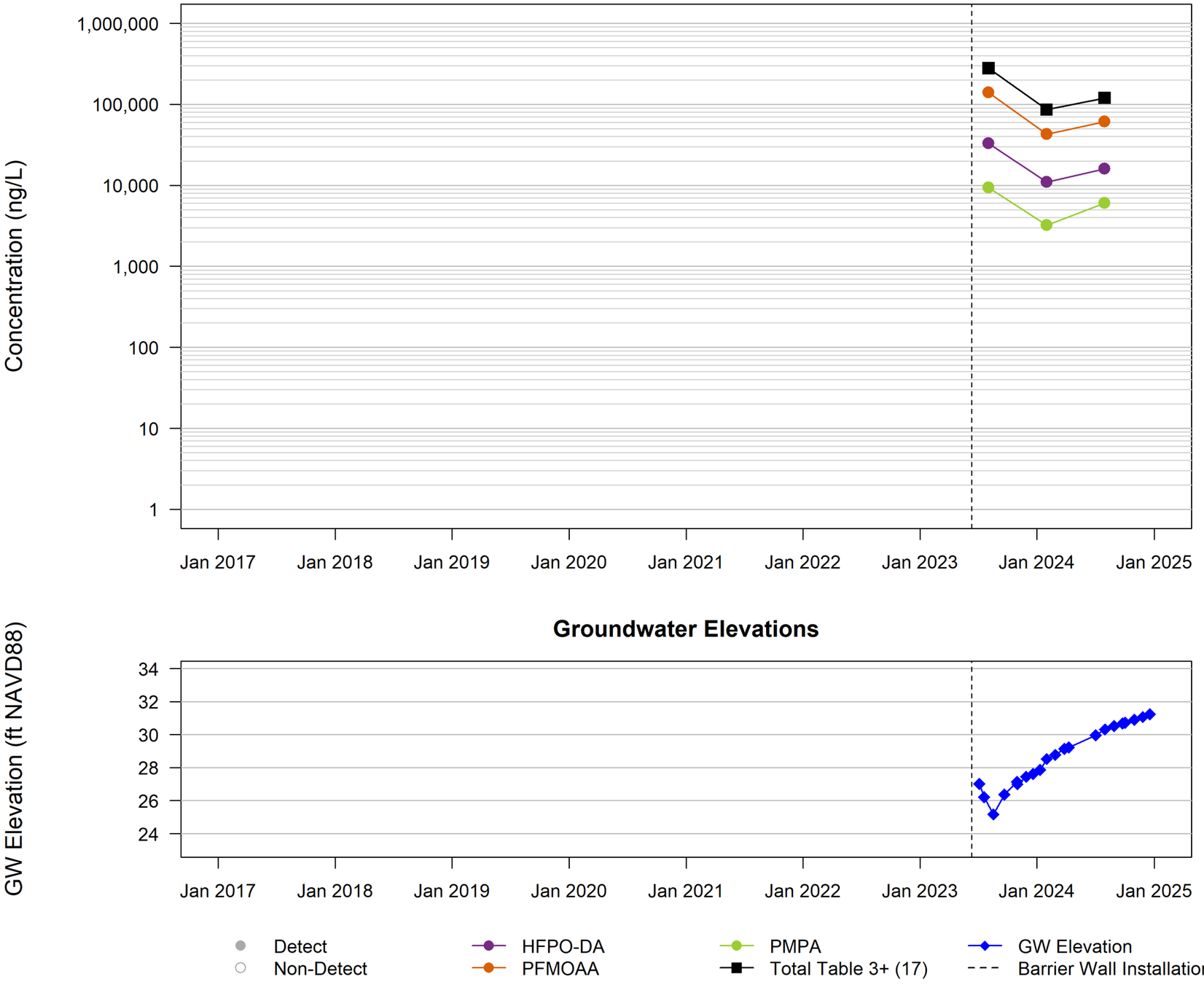
Figure
C.20

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

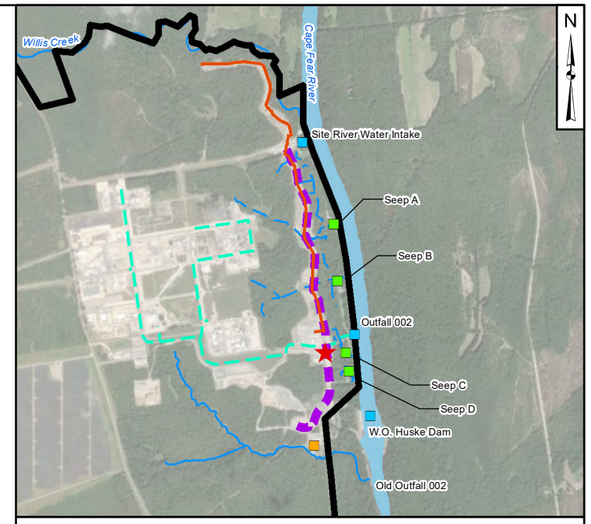
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-51 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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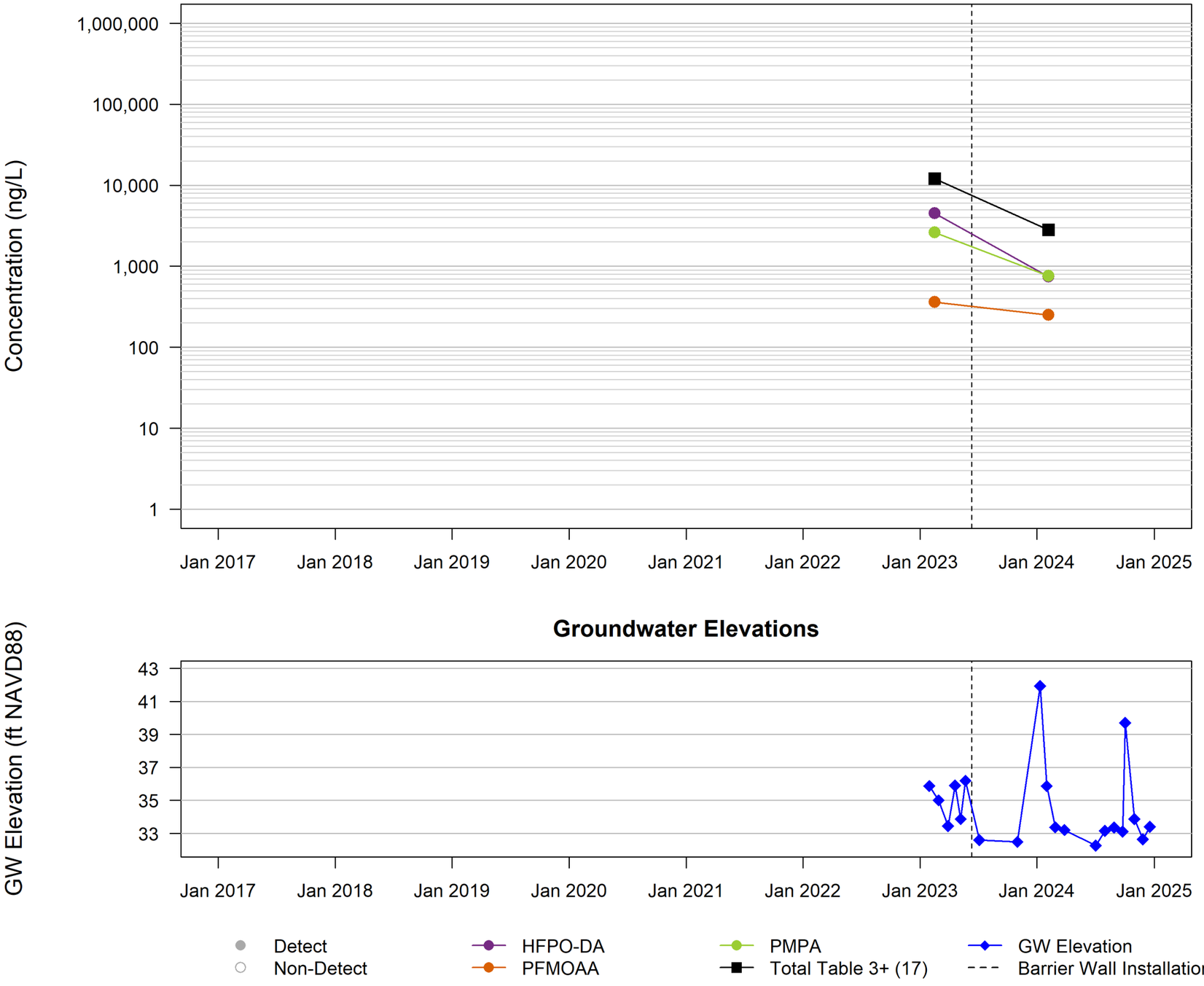
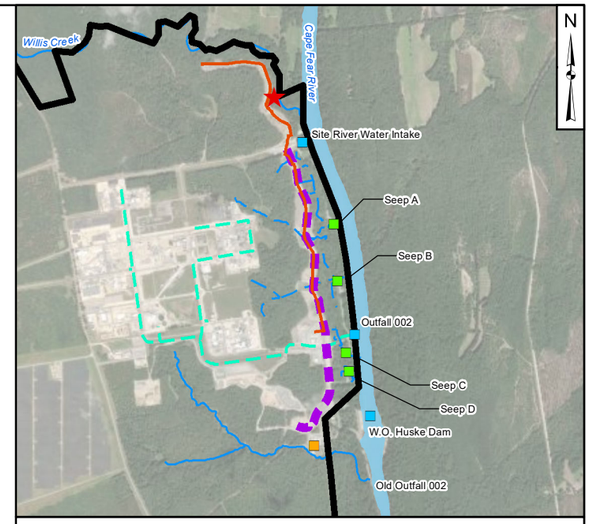
Figure **C.21**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-54 (Black Creek Aquifer)

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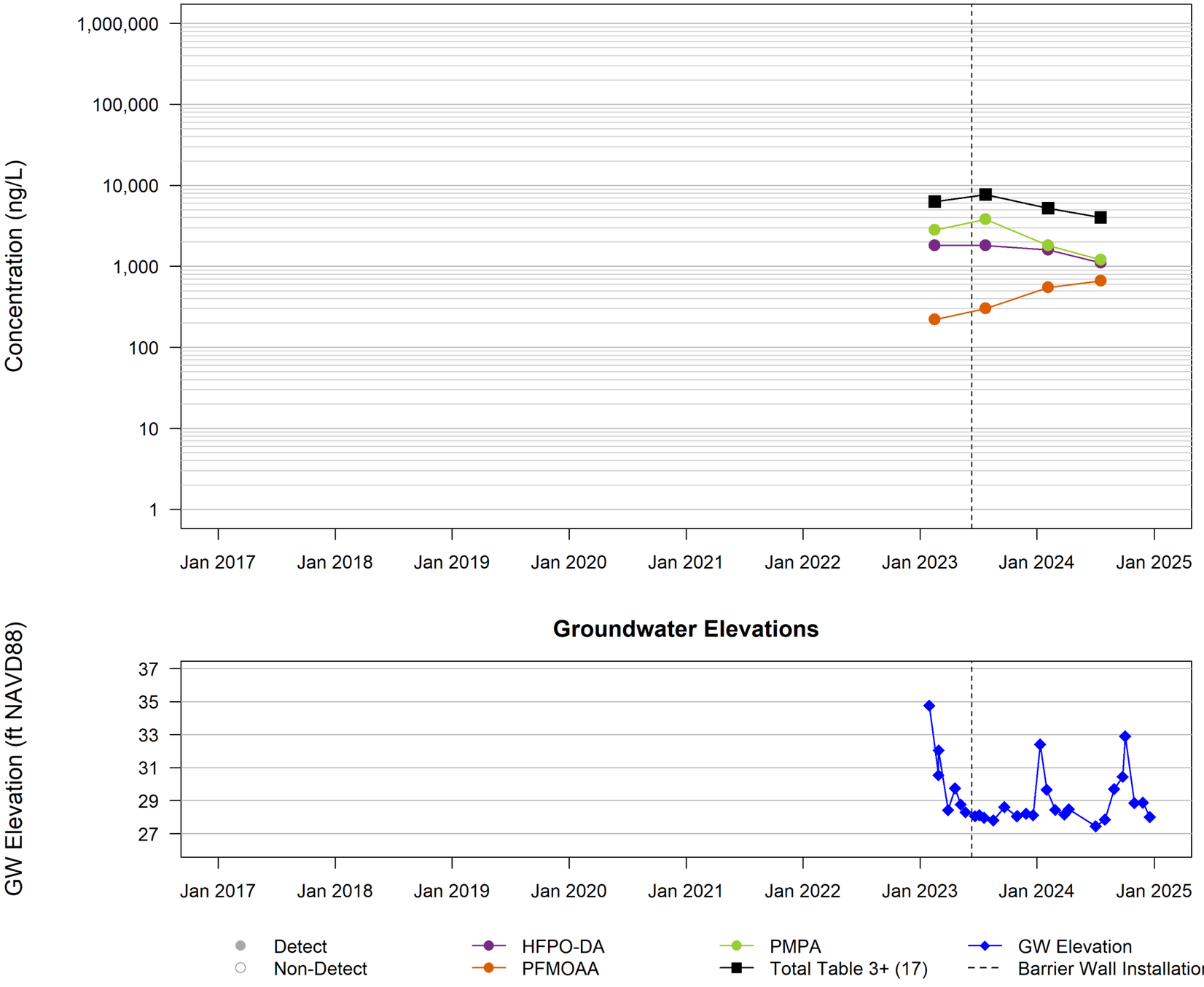
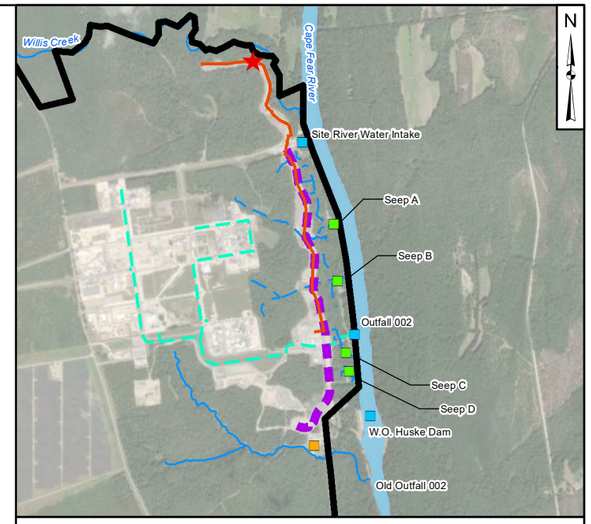
Figure **C.22**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-55 (Black Creek Aquifer)

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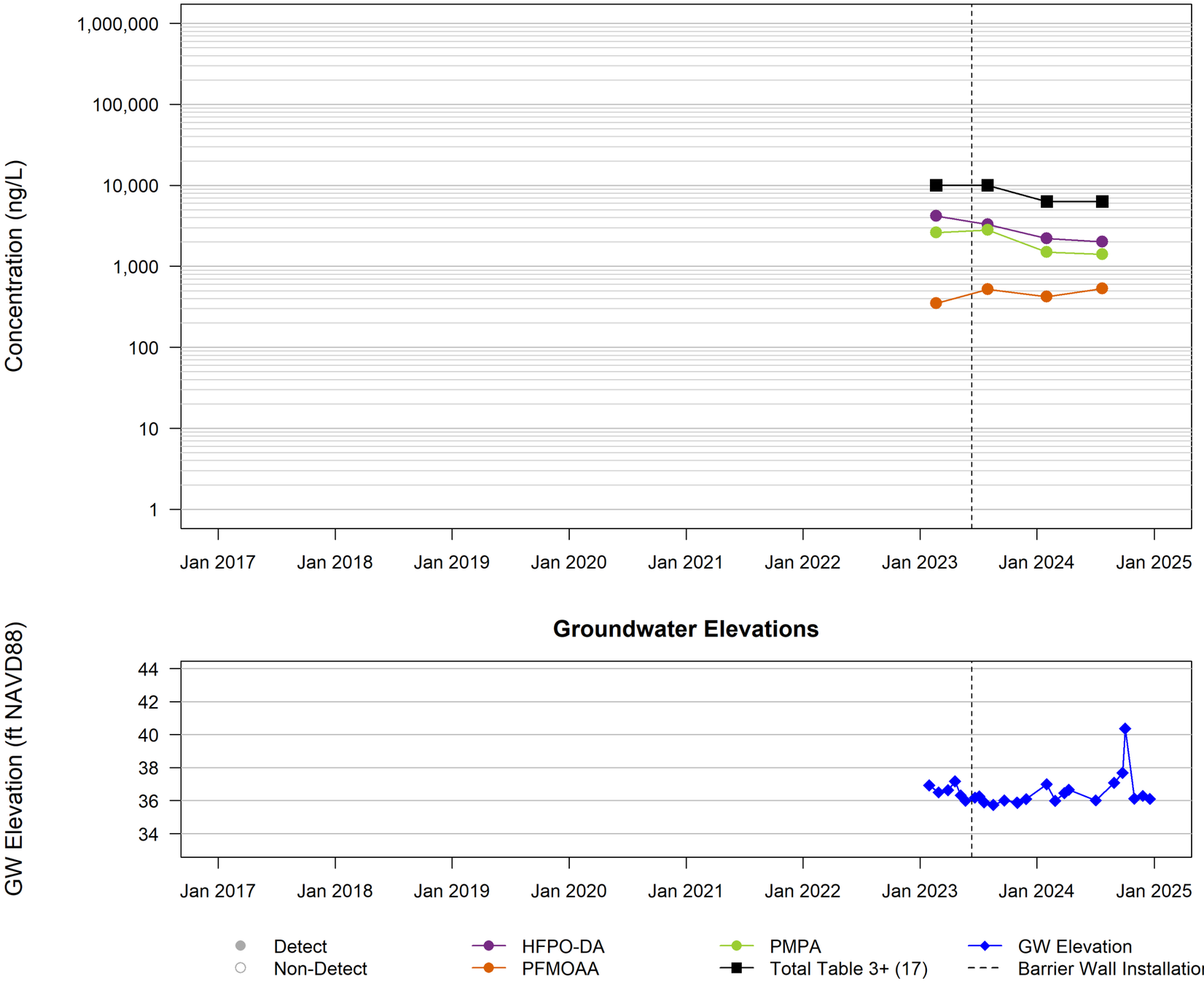
Figure **C.23**

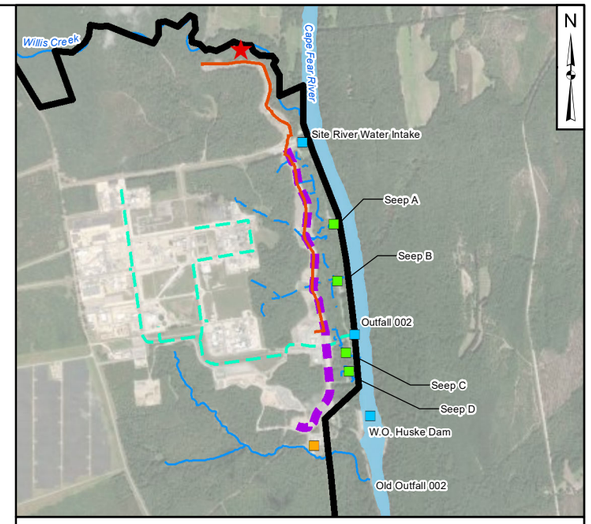
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results



Groundwater Elevations



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-56 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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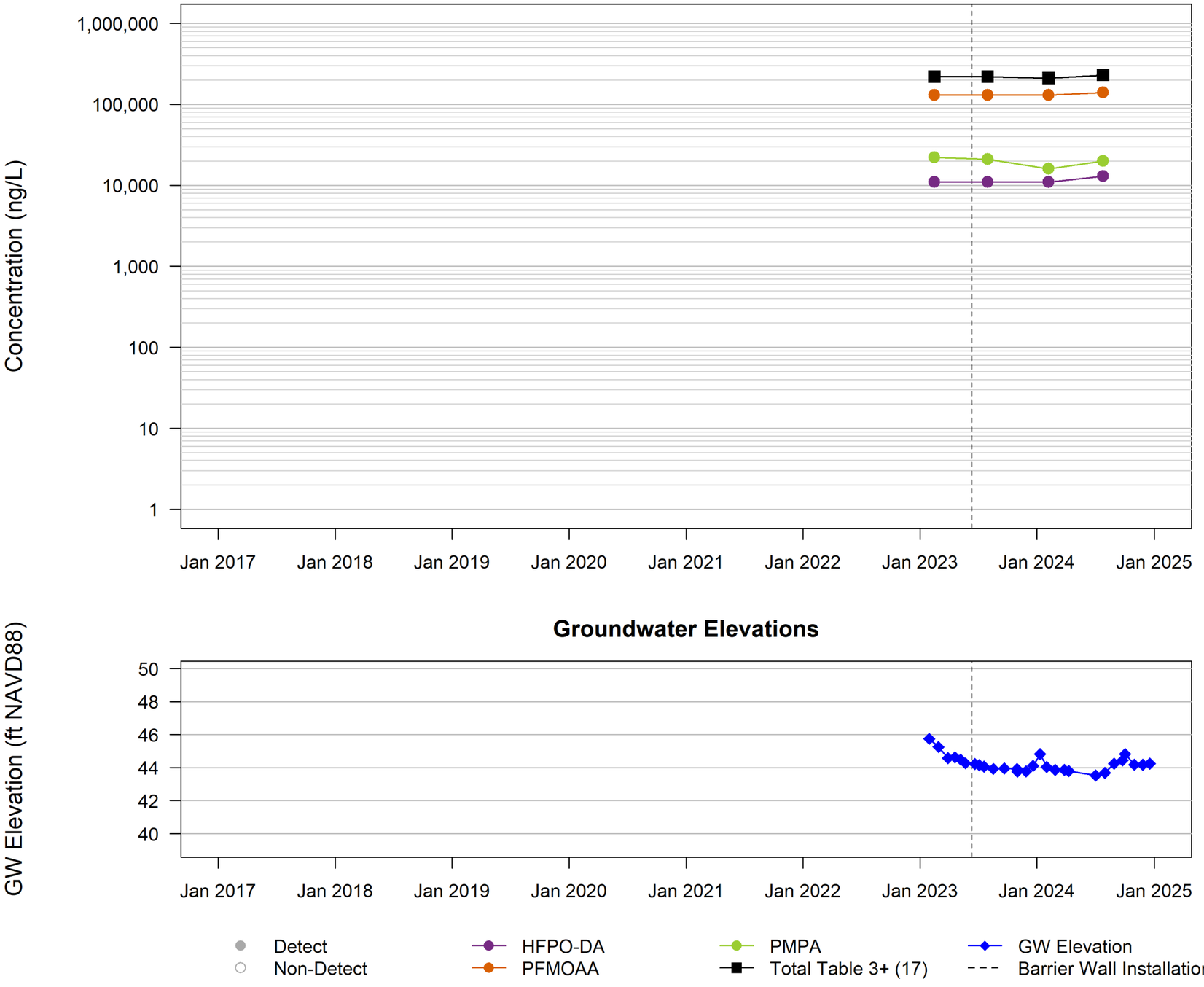
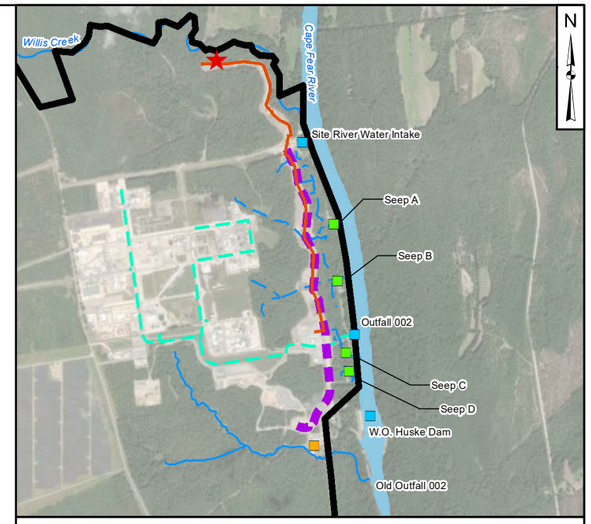
Figure **C.24**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at OW-57 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

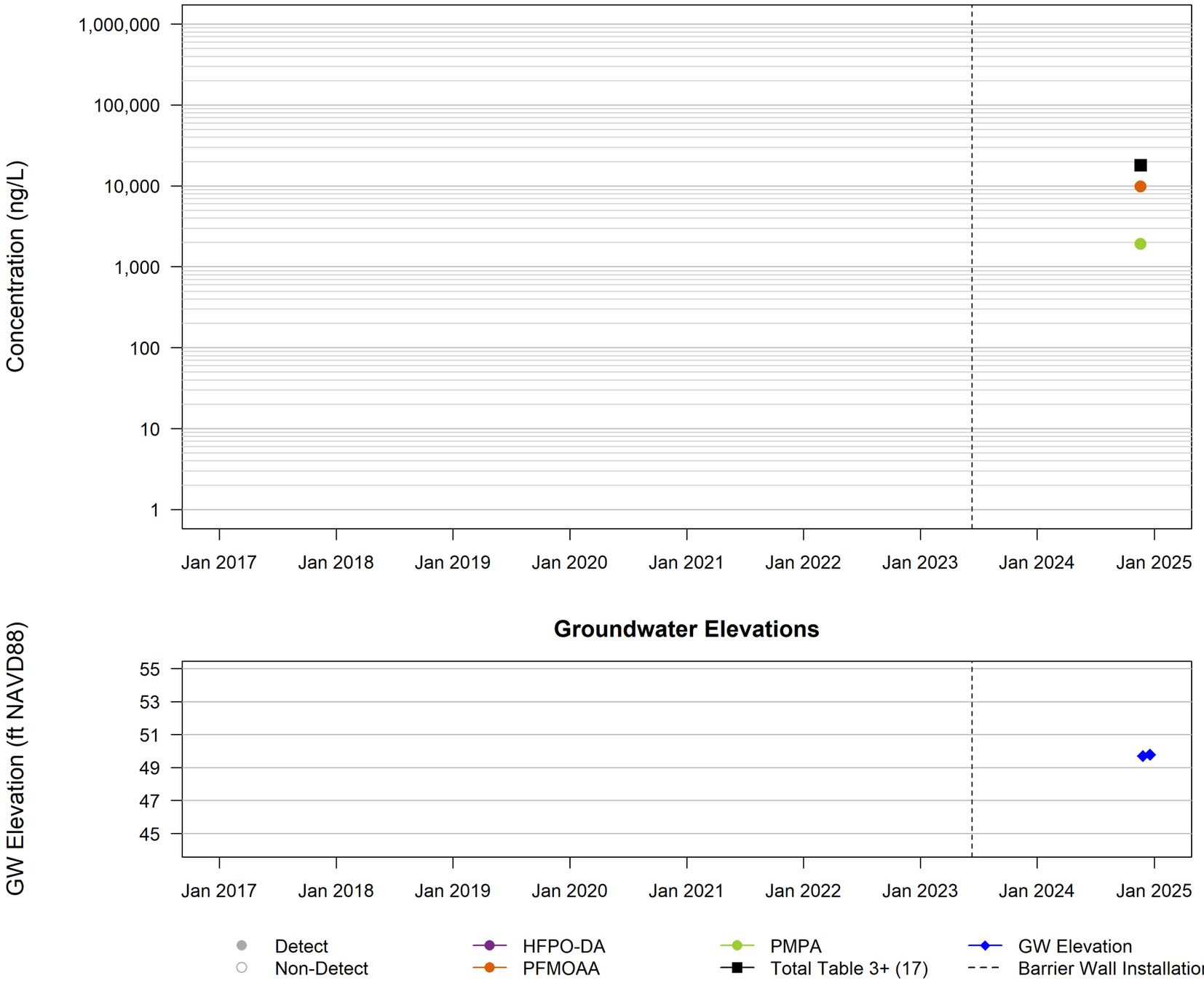
Raleigh | March 2025

Figure **C.25**

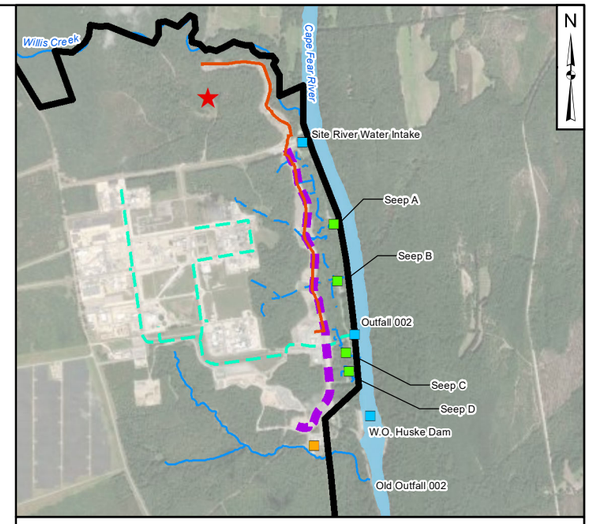
Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results



Groundwater Elevations

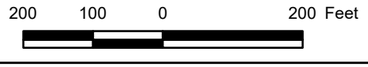


Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Time Trends at OW-59 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

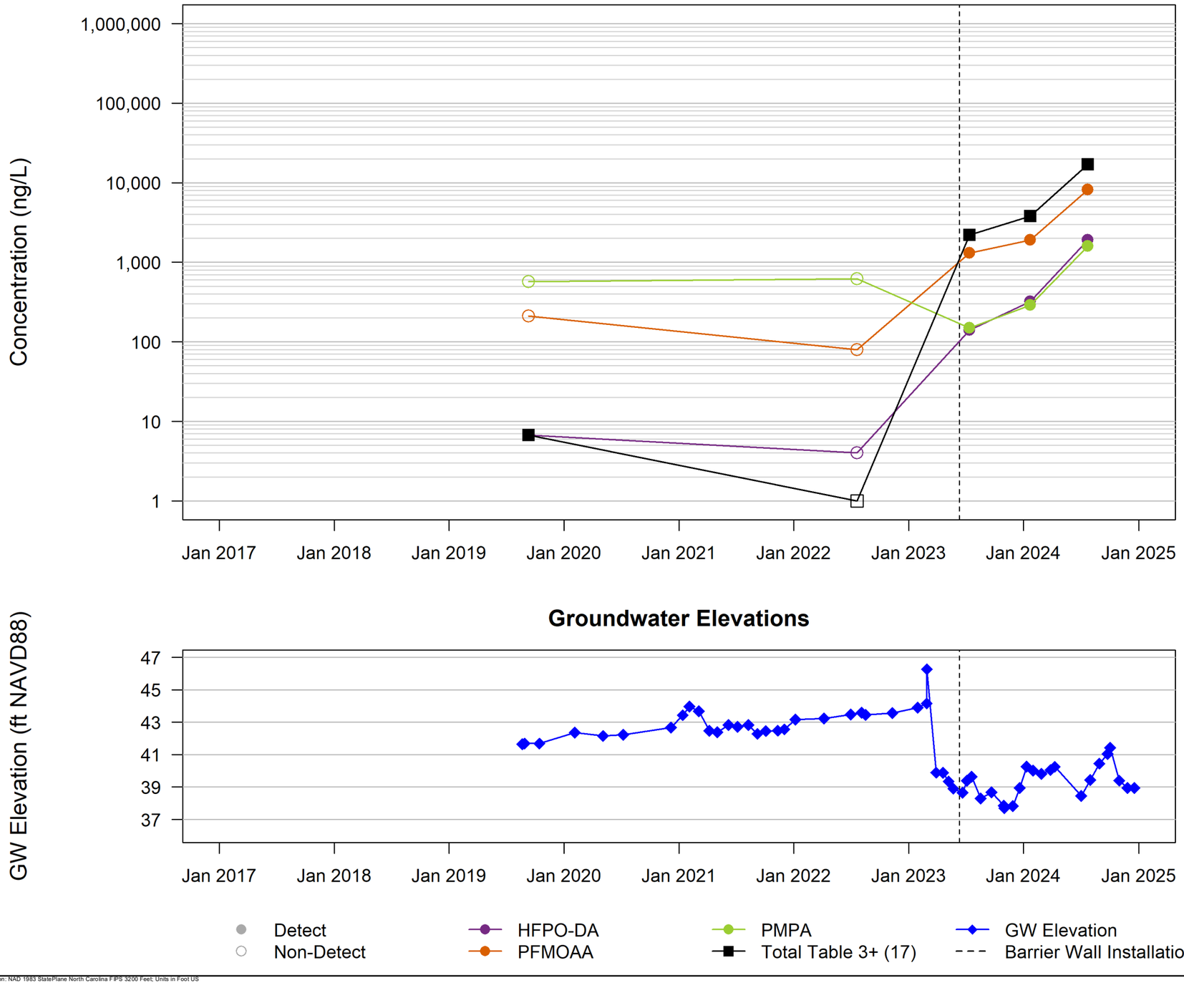
Raleigh | March 2025

Figure **C.26**

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

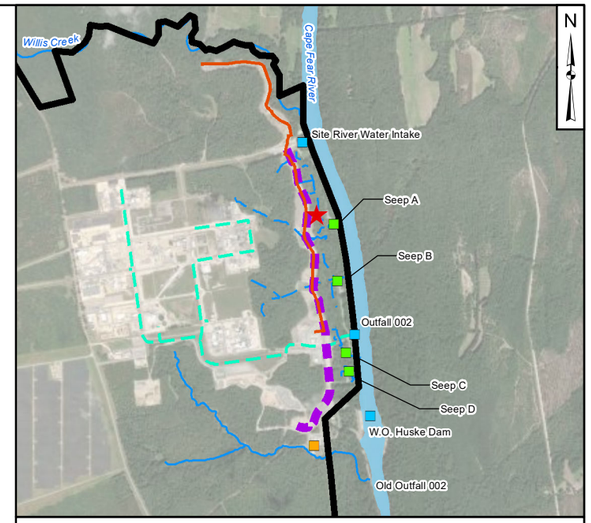
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-4D (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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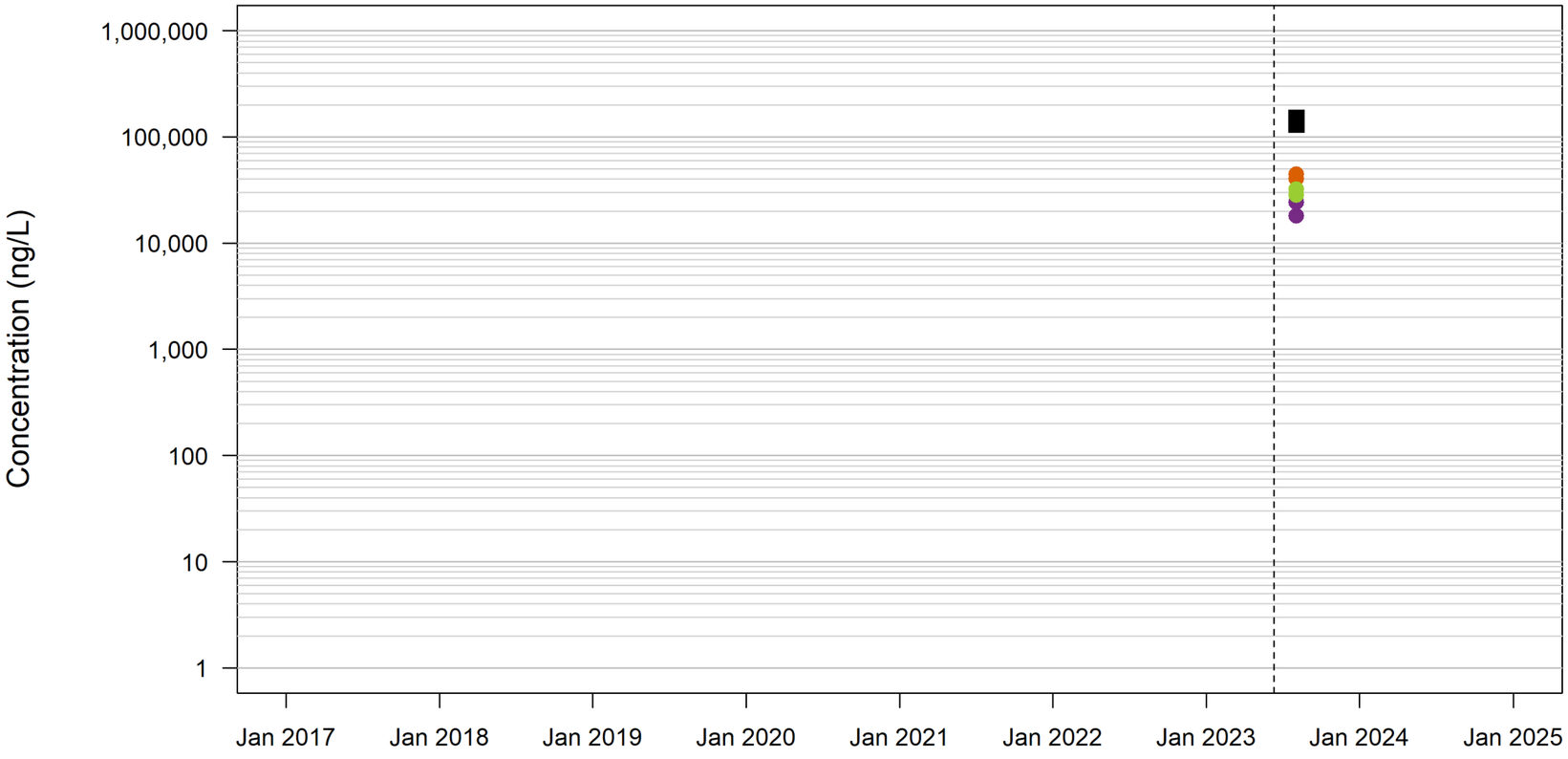
Figure **C.27**

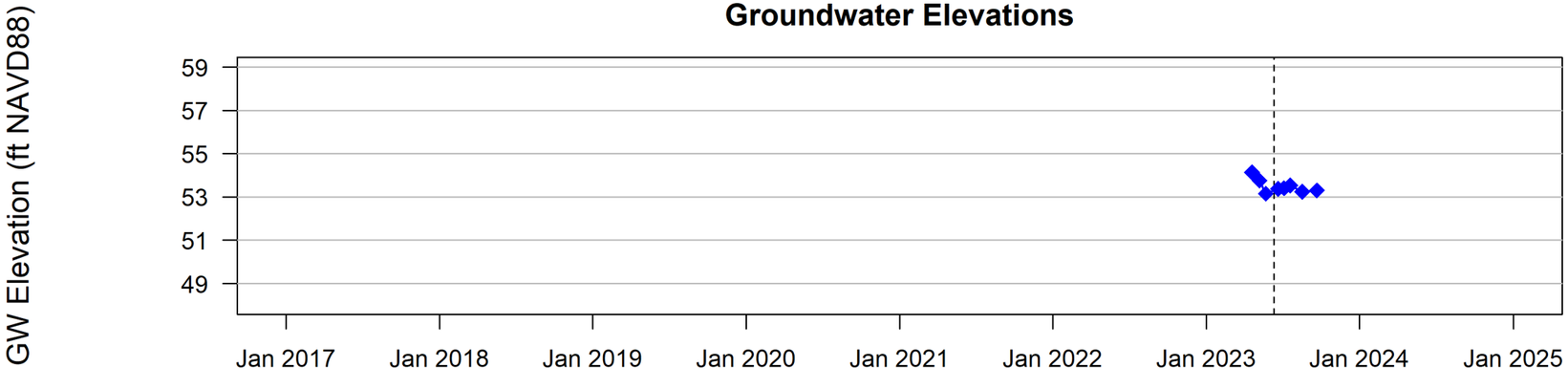
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tp: 2/28/2025

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

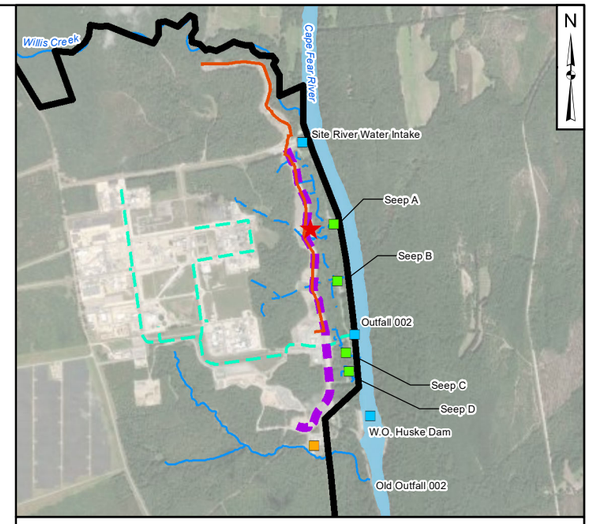
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-5SR (Surficial Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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NC License No.: C 3500 and C 295

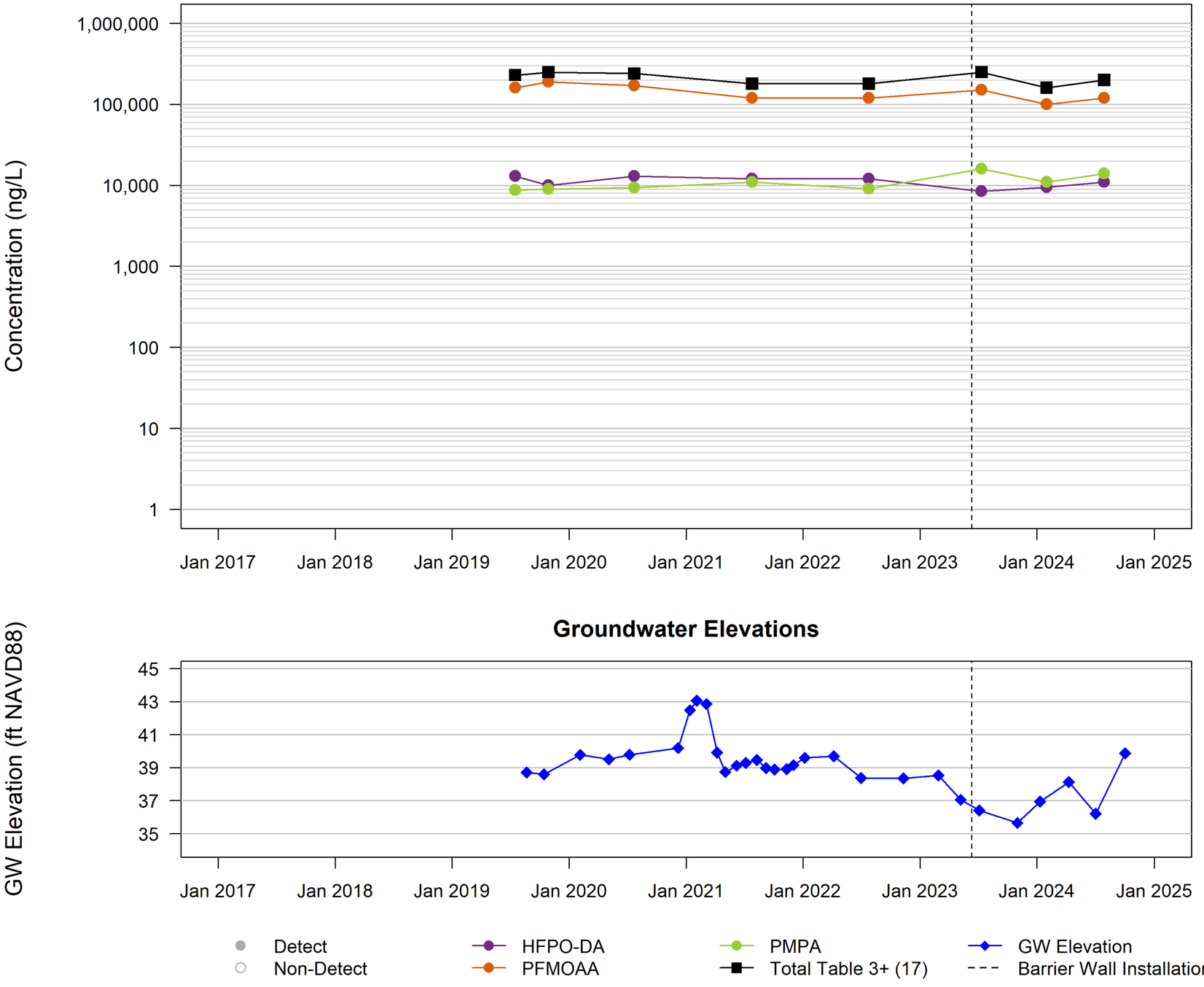
Raleigh | March 2025

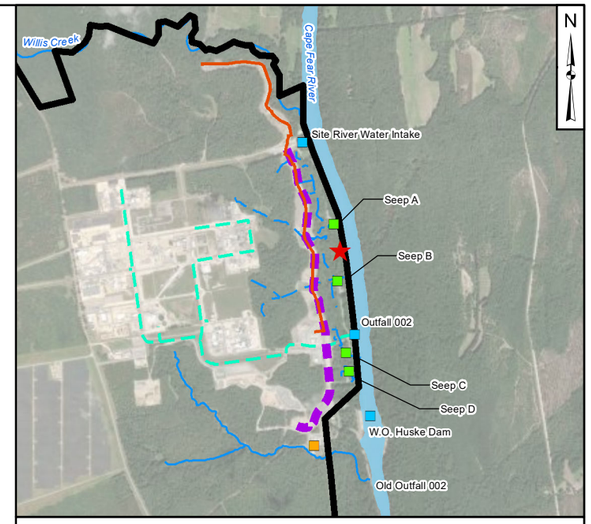
Figure
C.28

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-6S (Floodplain Deposits)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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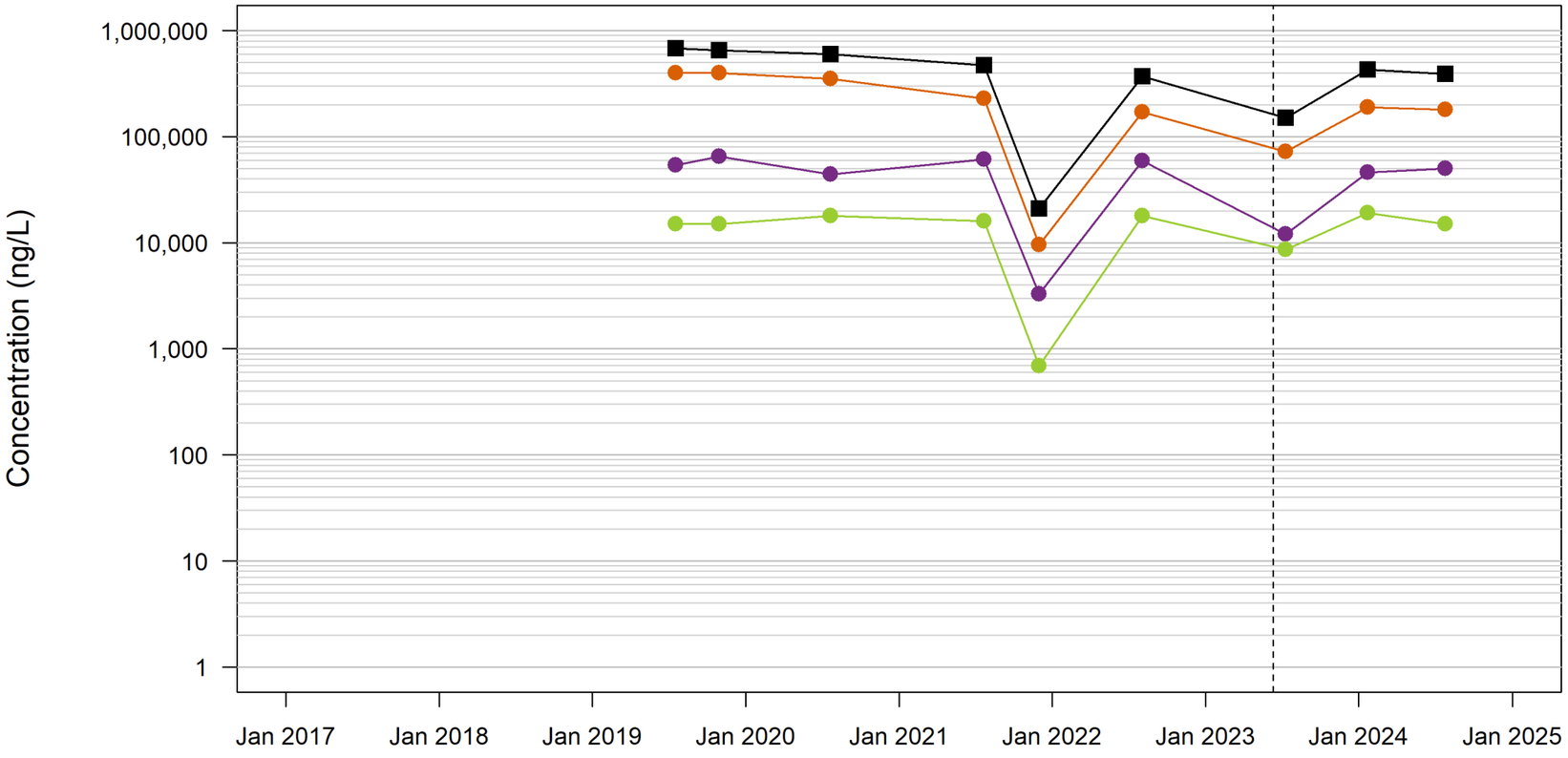
Raleigh | March 2025

Figure **C.29**

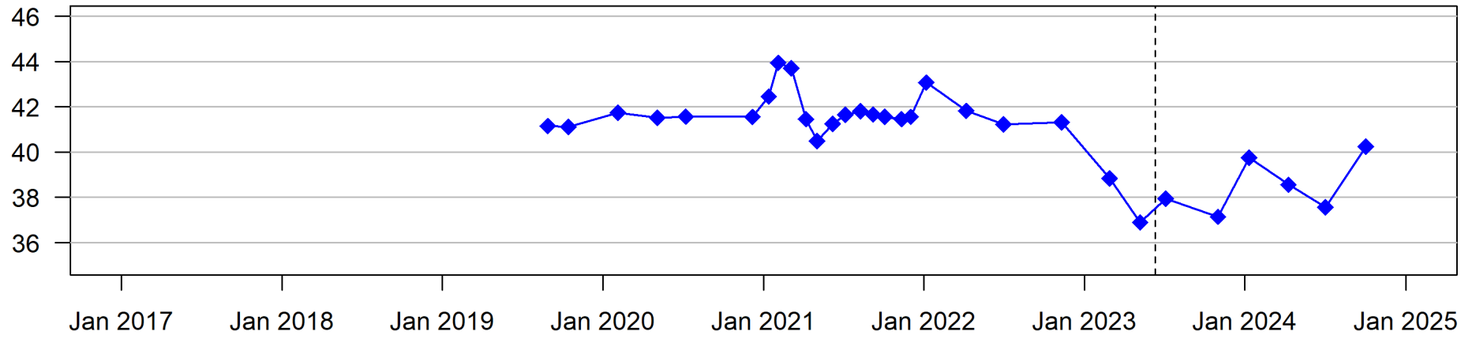
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

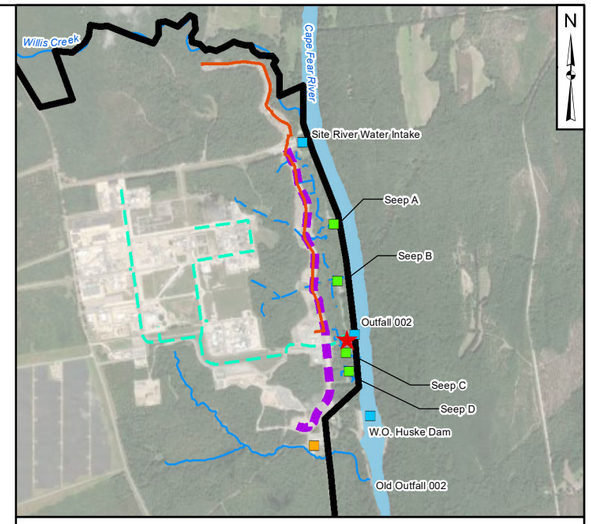
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-8D (Black Creek Aquifer)

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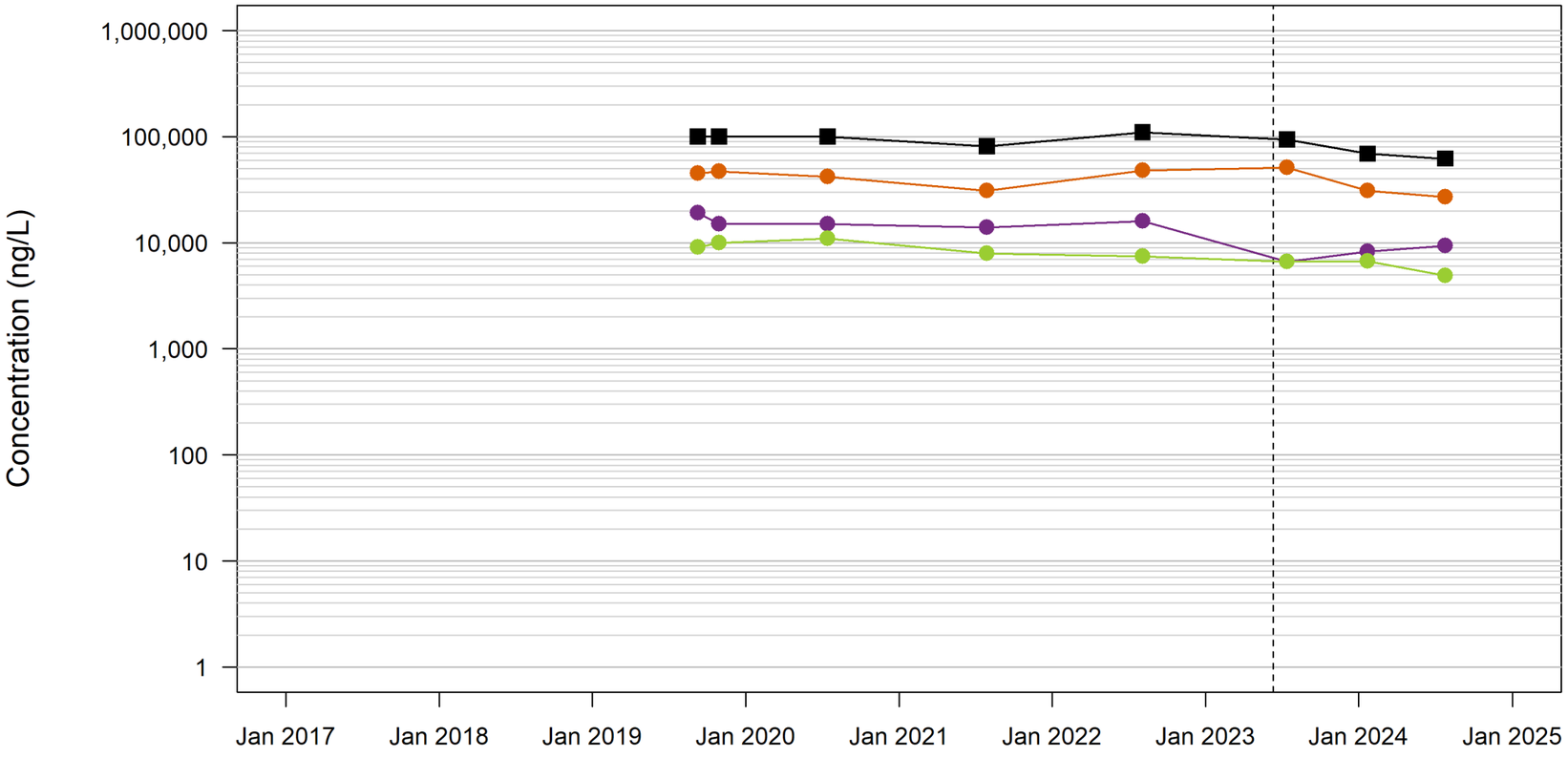
Raleigh | March 2025

Figure
C.30

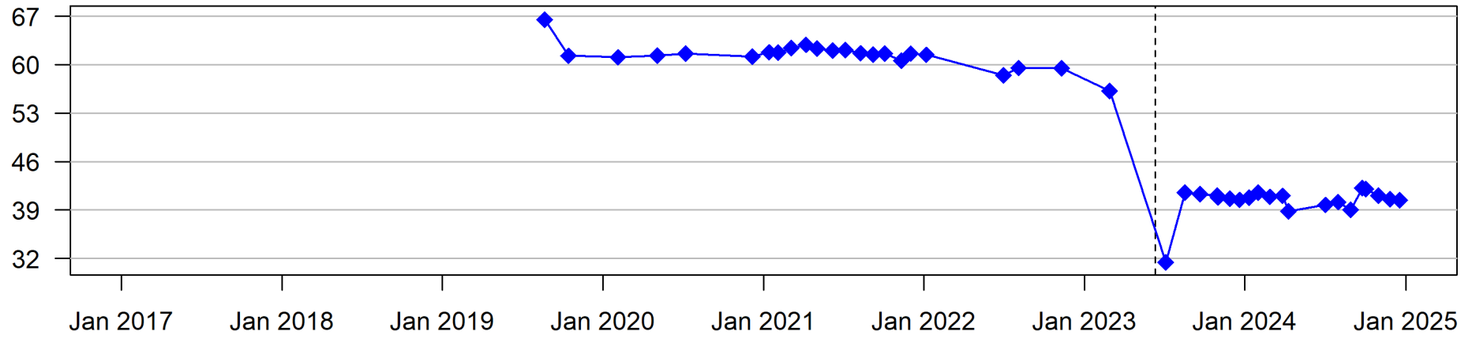
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

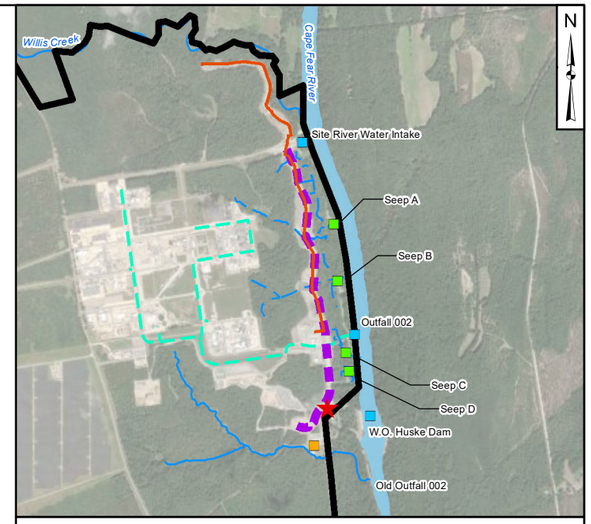
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-10DR (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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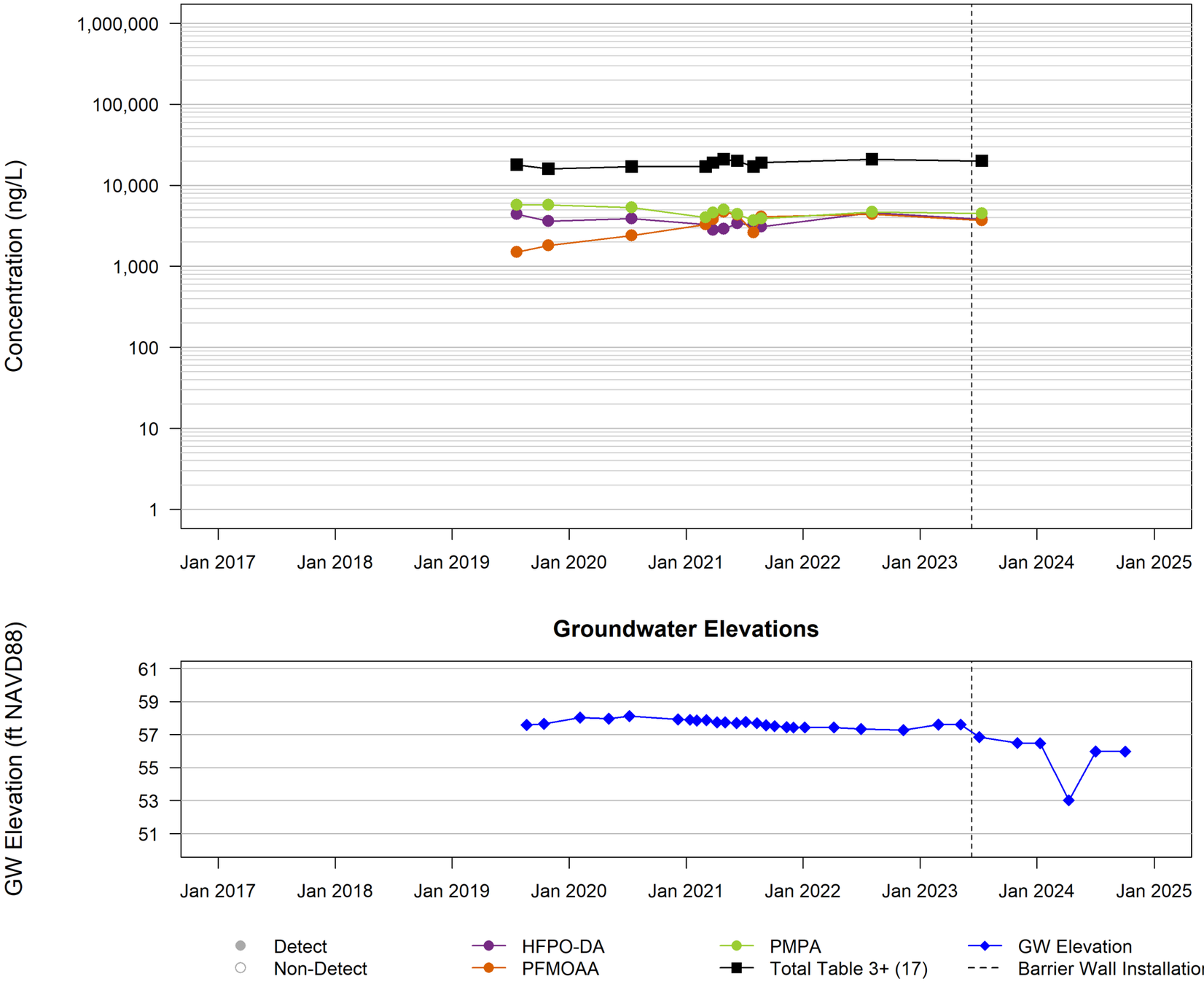
Raleigh | March 2025

Figure
C.31

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

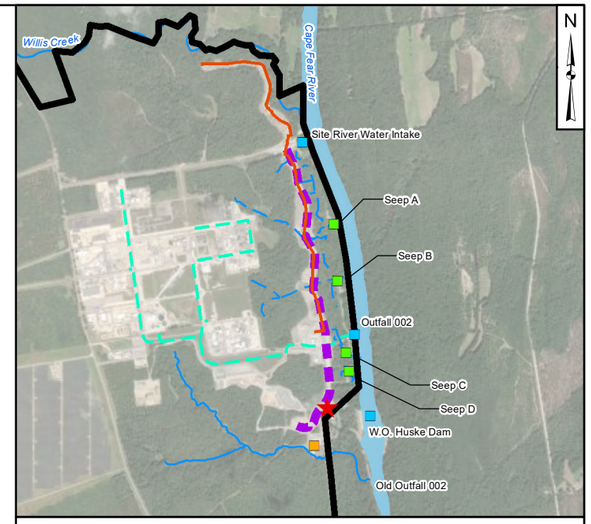
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-10S (Surficial Aquifer)

Chemours Fayetteville Works, North Carolina

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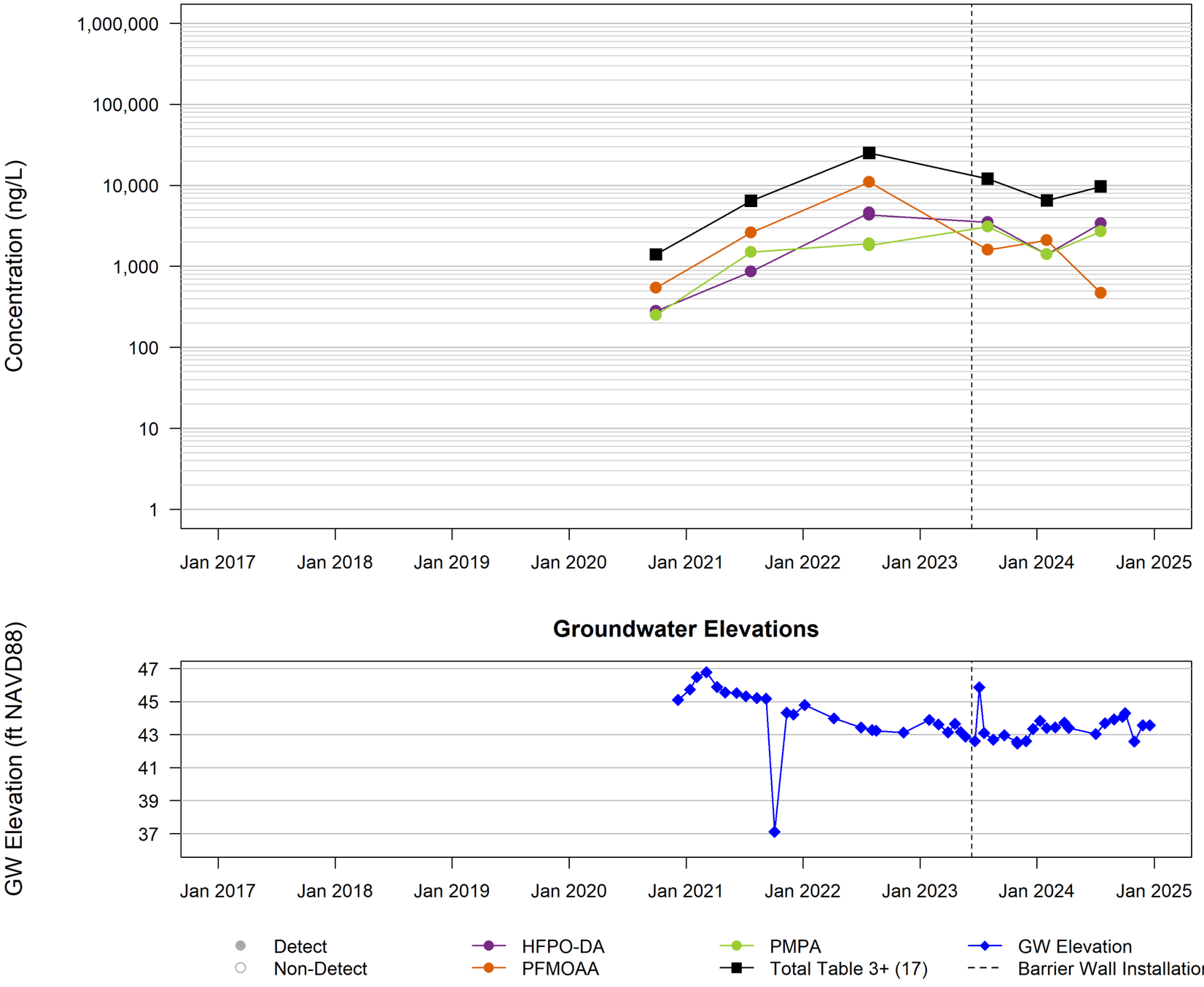
Raleigh | March 2025

Figure
C.32

Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

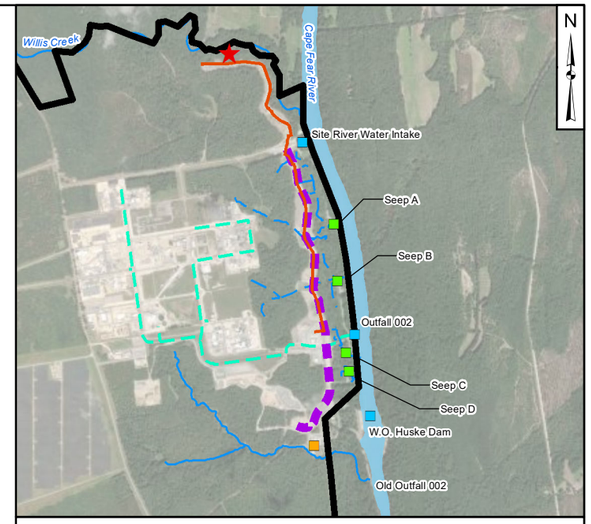
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend
- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-11 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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

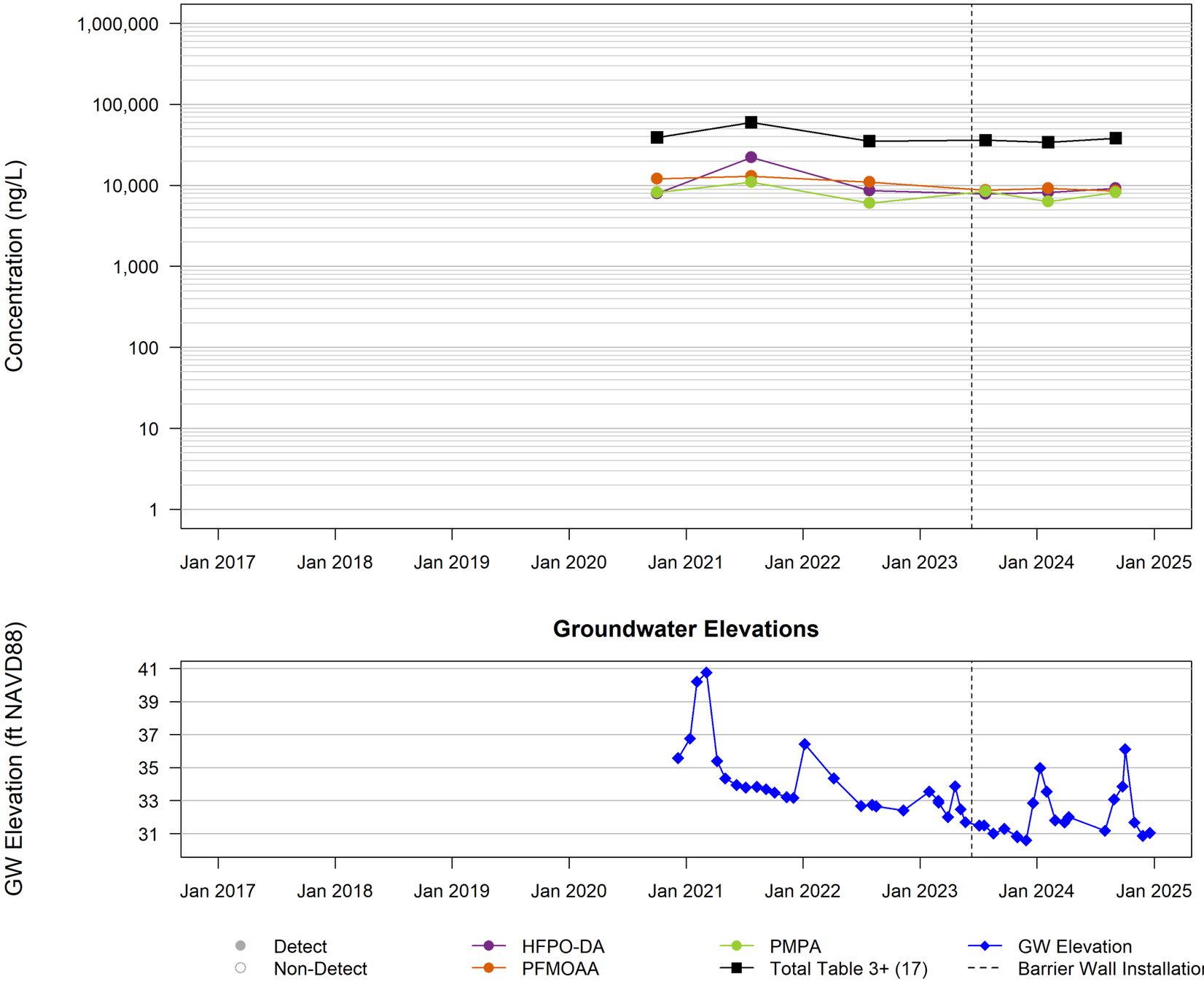
Raleigh | March 2025

Figure
C.33

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

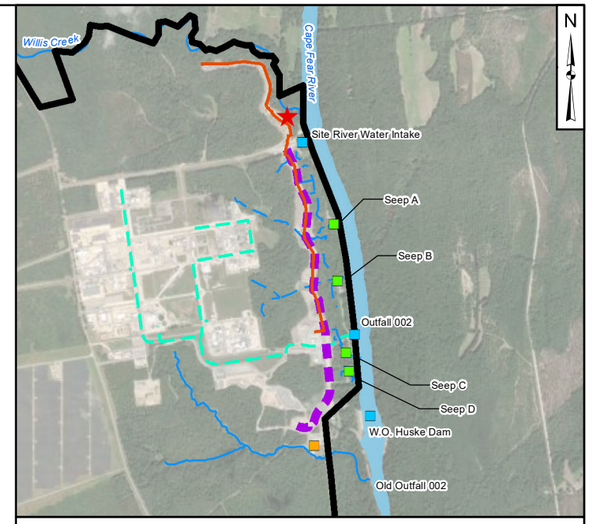
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-15 (Black Creek Aquifer)

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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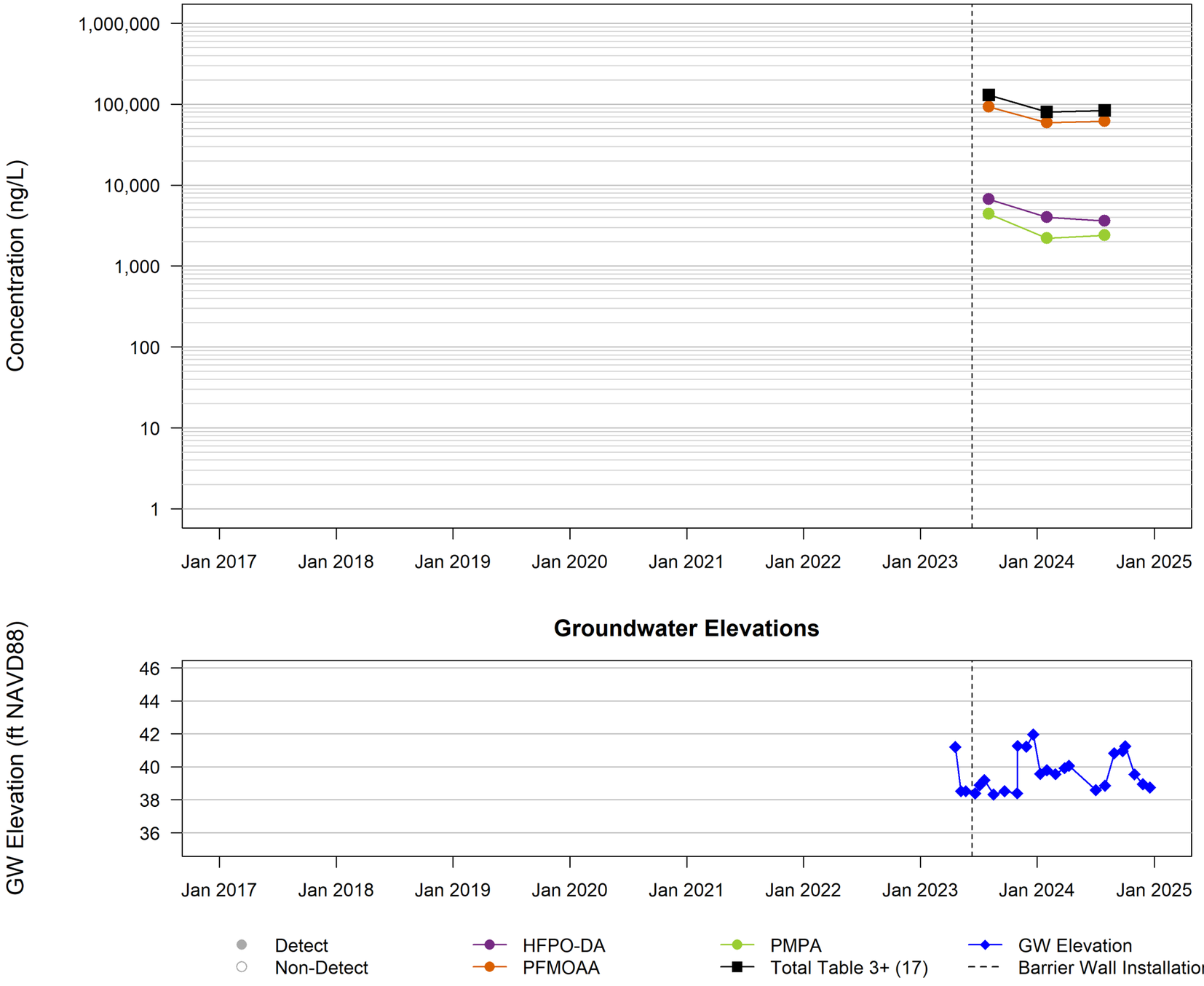
Figure
C.34

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

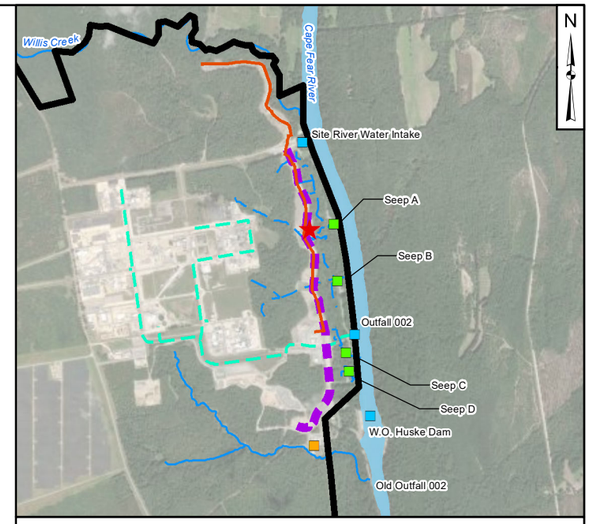
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-10RR (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

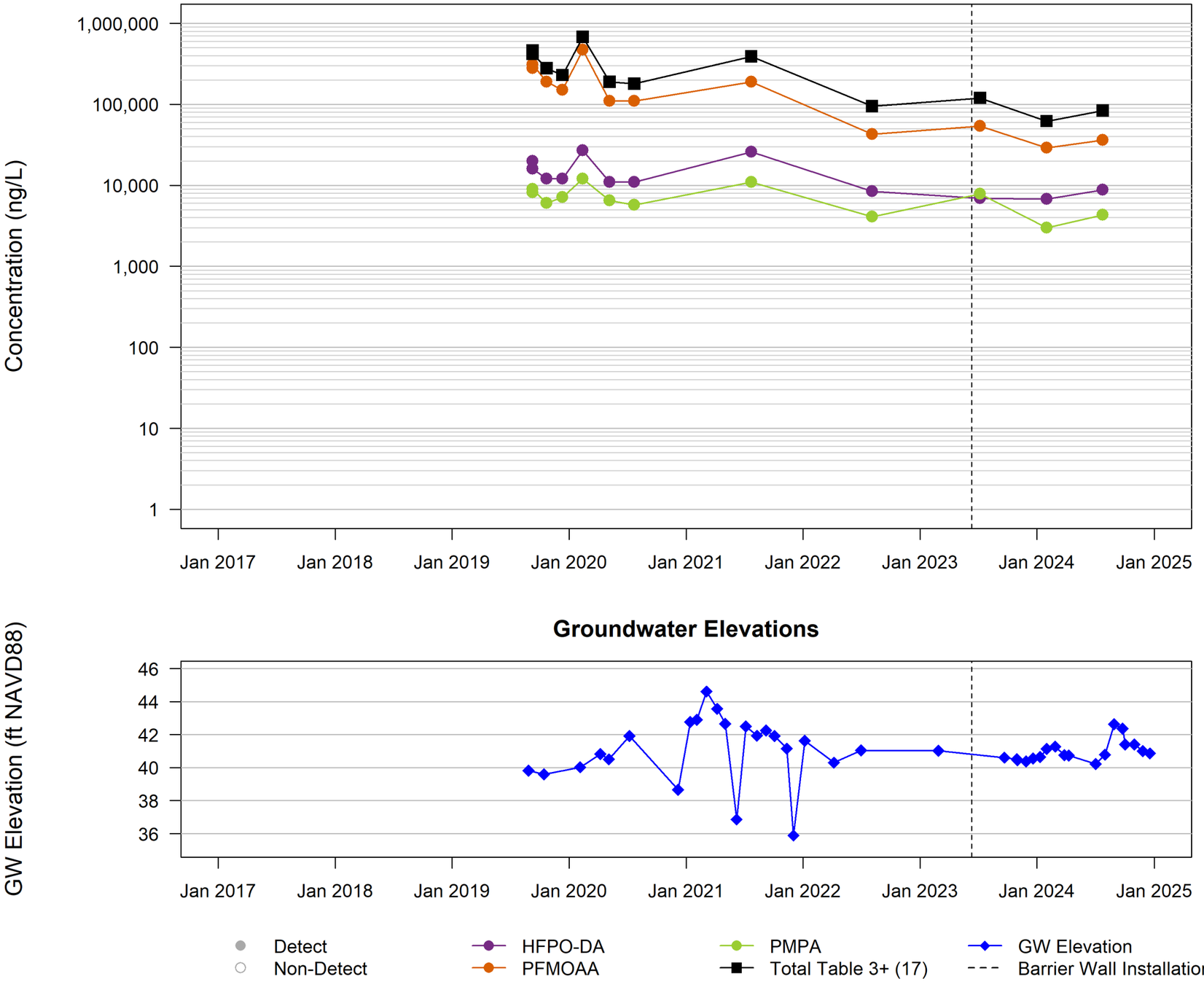
Raleigh | March 2025

Figure
C.35

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

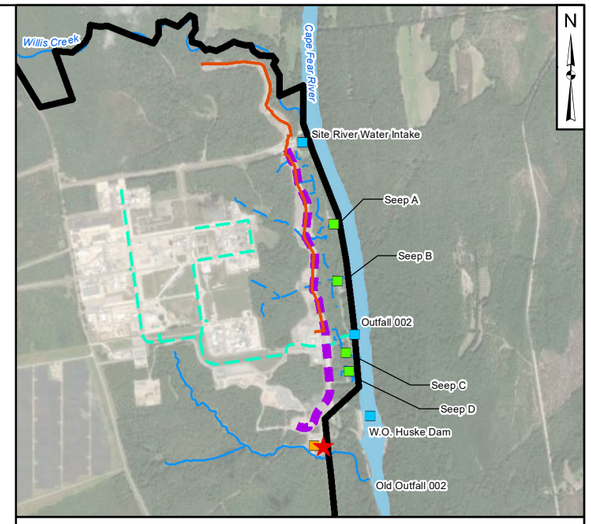
Projection: NAD 1983 StatePlane North Carolina FIPS 3200 Feet; Units in Foot US

Table 3+ Analytical Results



Groundwater Elevations

Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PW-11 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

Geosyntec consultants

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

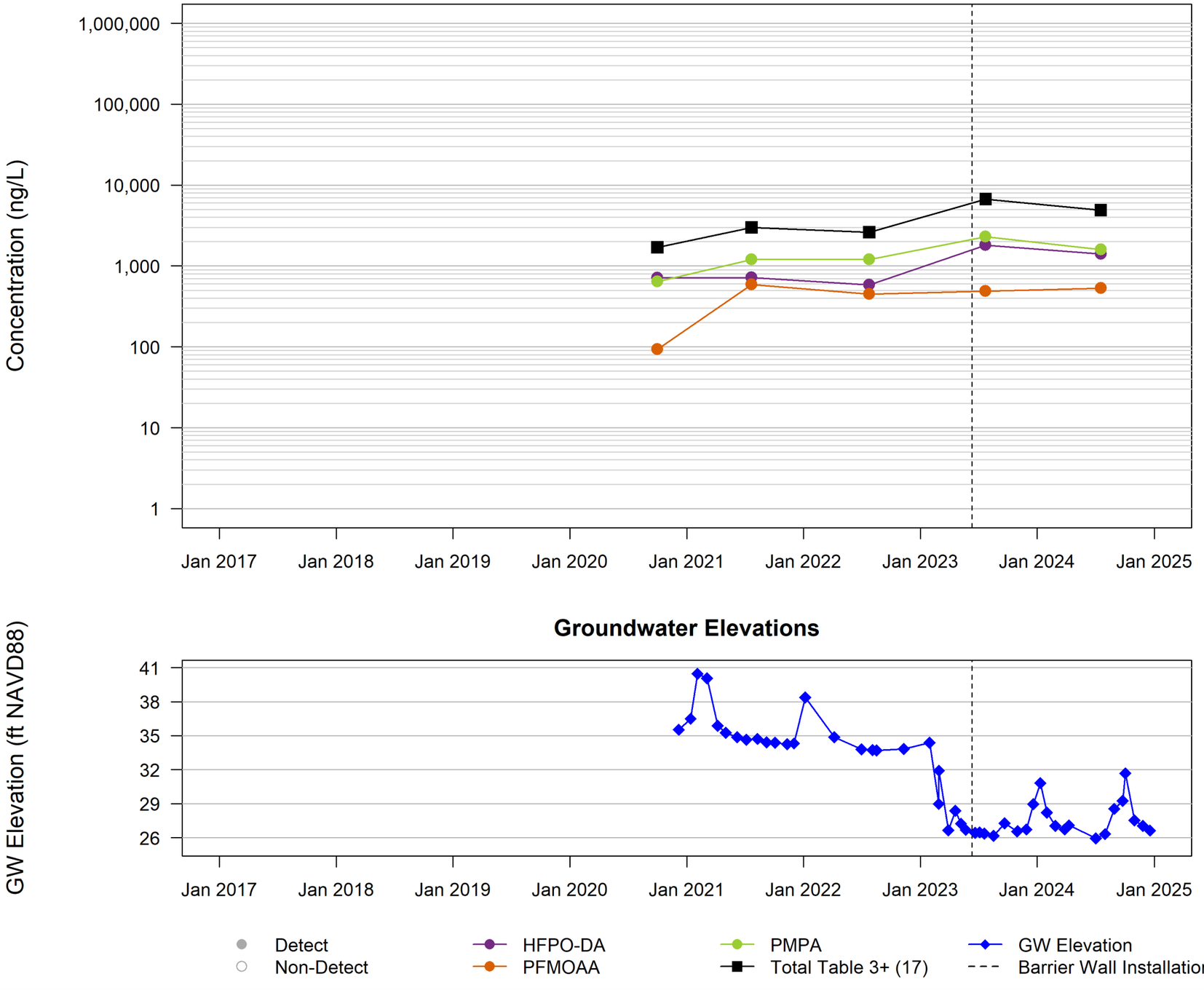
Raleigh | March 2025

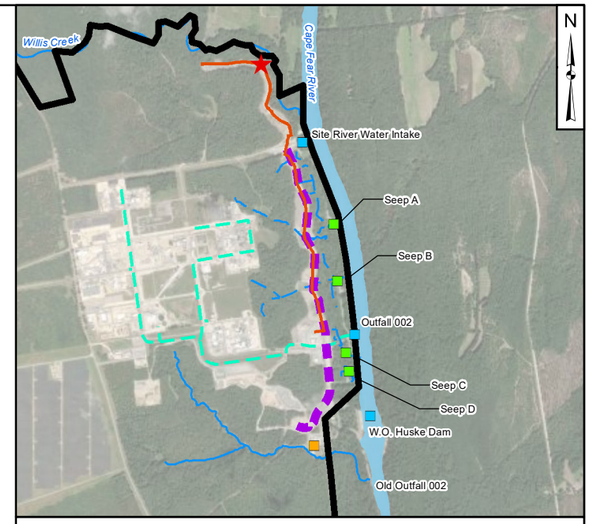
Figure
C.36

Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

Table 3+ Analytical Results





Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-12 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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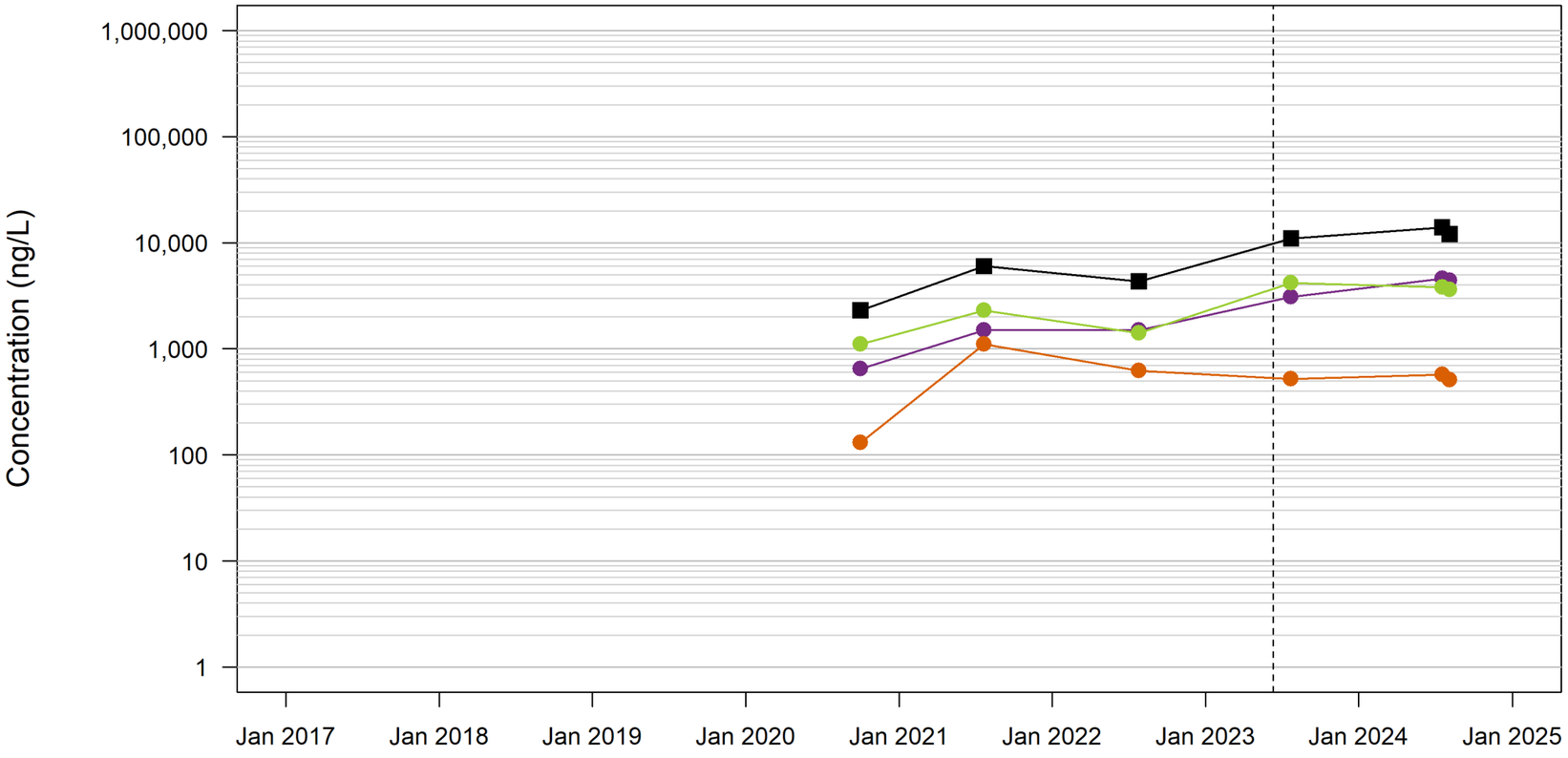
Figure **C.37**

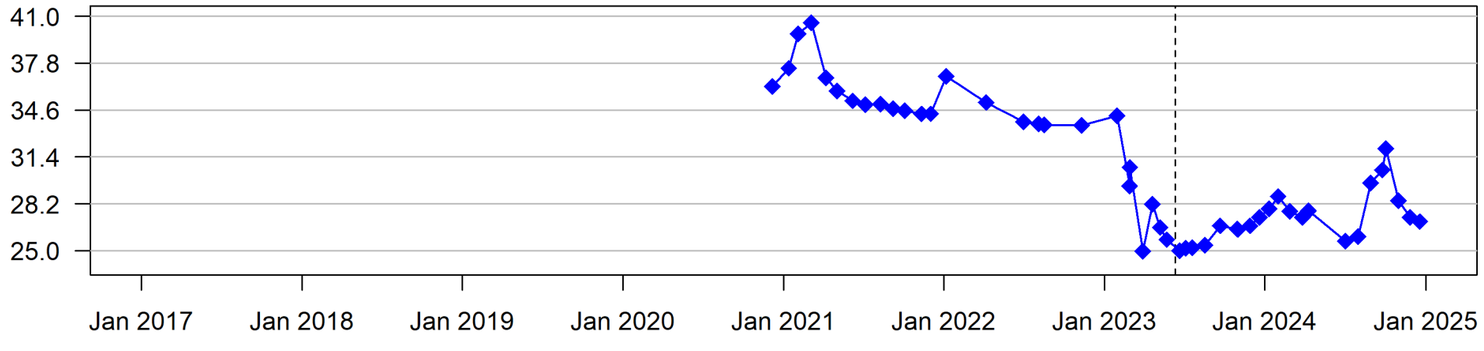
Path: P:\PRJ\Projects\TR0795\Database and GIS\Output\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

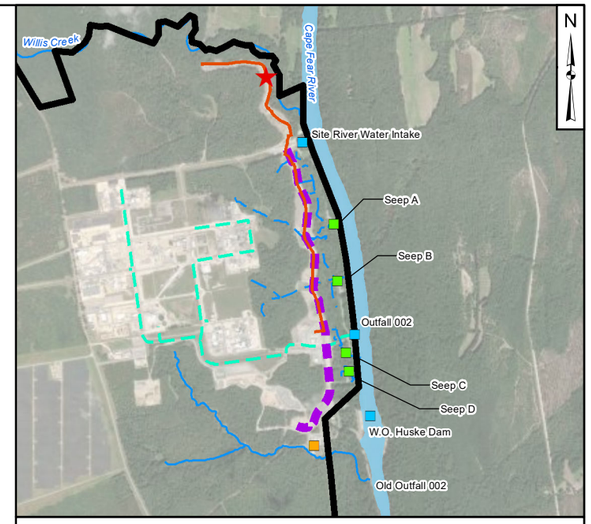
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-13 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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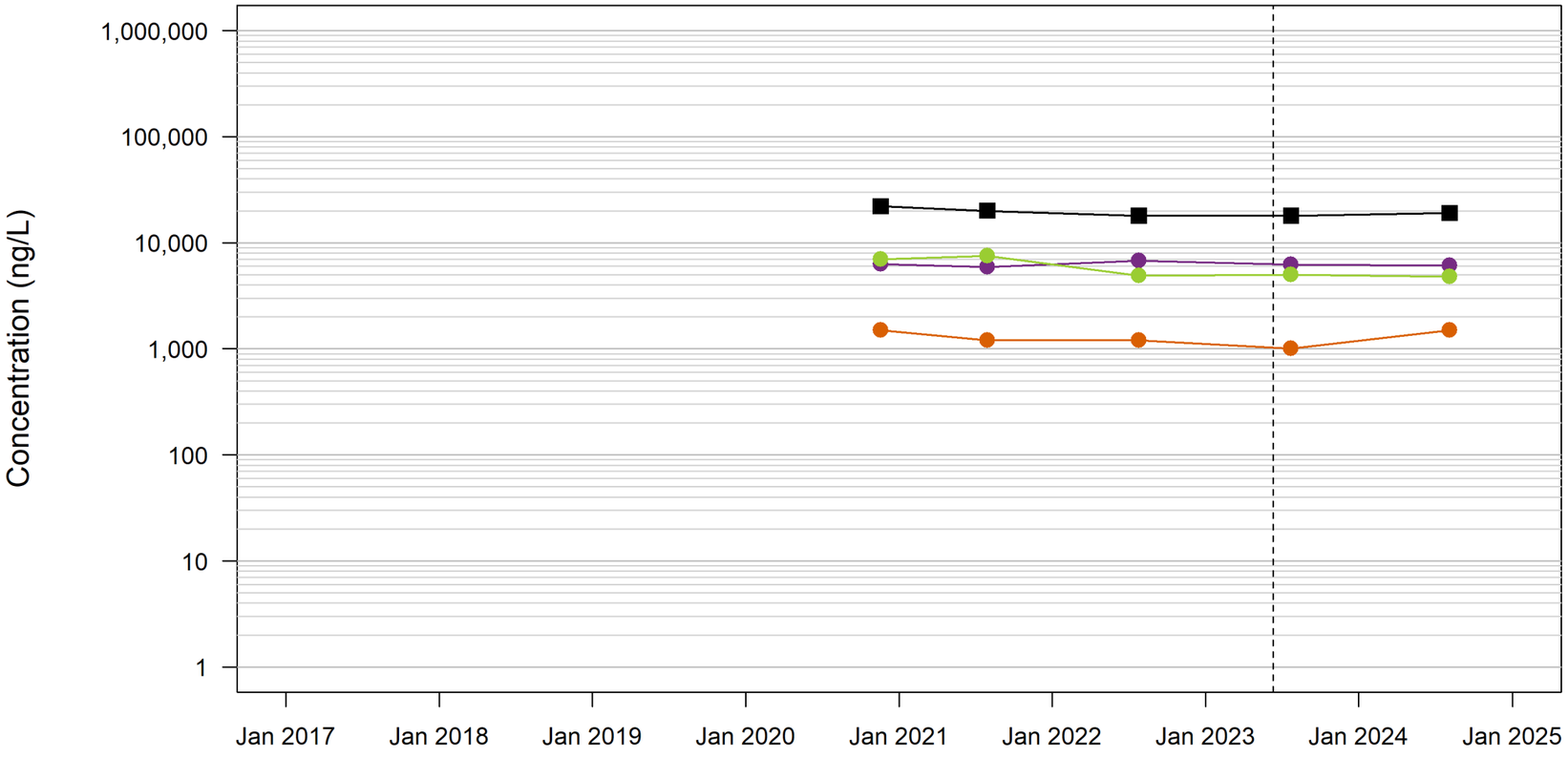
Figure
C.38

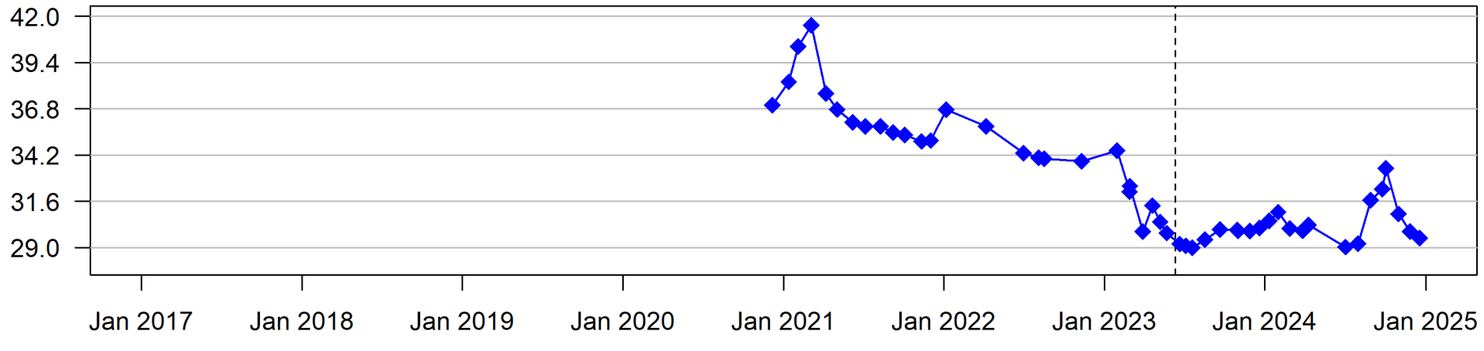
Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendsOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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

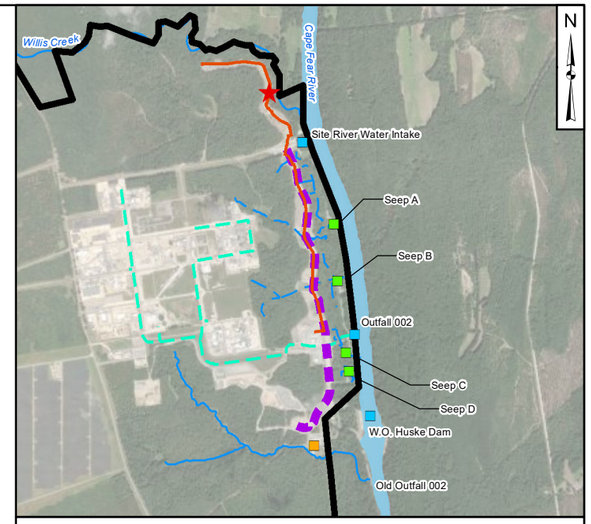
Table 3+ Analytical Results



Groundwater Elevations



Detect
Non-Detect
HFPO-DA
PFMOAA
PMPA
Total Table 3+ (17)
GW Elevation
Barrier Wall Installation



Legend

- Location Indicator
- Old Outfall 002 Treatment System
- Flow-Through Cell
- Site Features
- Site Boundary
- Nearby Tributary
- Observed Seep (Natural Drainage)
- Site Conveyance Network
- North Forcemain
- Barrier Wall

Notes:
GW - groundwater
ft - feet
ng/L - nanograms per liter
NAVD88 - North American Vertical Datum of 1988

1. The groundwater extraction wells and ex-situ capture systems were initiated in March and April 2023, respectively. The barrier wall test panel was initiated December 2022 and the wall was completed by June 2023.
2. The outline of the River shown on this figure is approximate (River outline based on compilation of open data sources from ArcGIS online service and North Carolina Department of Environmental Quality Online GIS - Major Hydro shapefile).
3. Basemap source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

200 100 0 200 Feet

Time Trends at PIW-14 (Black Creek Aquifer)

Chemours Fayetteville Works, North Carolina

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Figure
C.39

Path: P:\PRJ\Projects\TR0795\Database and GIS\Outputs\Time Trends\TR0795_TimeTrendOnsiteWellNetwork\Figure_ForReporting_GWEC.mxd, Tip, 2/28/2025

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