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# INTERIM SEEP REMEDIATION OPERATION AND MAINTENANCE REPORT #13

## Chemours Fayetteville Works

*Prepared for*

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## EXECUTIVE SUMMARY

This Operations and Maintenance Report #13 (O&M Report #13) has been prepared to document the operations, maintenance, and performance of the flow-through cells at Seeps A, B, C, and D from January 1 through February 28, 2023. The median flow rate processed by the Seep A, B, C, and D FTCs was 81, 104, 37, and 53 gallons per minute (gpm), respectively. As documented in the previous O&M Reports #1 through #12, the FTC systems are capable of capturing total base flow under favorable hydraulic conditions, and additionally capture and treat a portion of wet weather flow as well. In total, over the two-month reporting period, the systems processed approximately 26,900,000 gallons of seep flow. Composite samples from performance monitoring indicated that the average PFAS removal efficiency of the captured base flow was approximately 99.9%, and the FTCs are estimated to have prevented approximately 46.8 pounds (lbs) of PFAS from being discharged to the Cape Fear River in the reporting period, and 575 lbs of PFAS over the lifetime of the systems to date.

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## LIST OF ACRONYMS AND ABBREVIATIONS

%	percent
CO Addendum	Addendum to Consent Order Paragraph 12
DB	Discharge Basin
DO	Dissolved oxygen
ESB	Effluent Stilling Basin
FB1	Filter Bed-1
FB2	Filter Bed-2
FTC	flow-through cell
ft msl	feet mean sea level
GAC	granular activated carbon
gpm	gallons per minute
HDPE	high-density polyethylene
HFPO-DA	hexafluoropropylene oxide dimer
IC	Inlet Chamber
IP	Individual Permit
ISB	Influent Stilling Basin
lbs	pounds
mg/L	milligrams per liter
ng/L	nanograms per liter
NTU	nephelometric turbidity units
O&M	Operation and Maintenance
PFAS	per- and polyfluoroalkyl substances
PFD	Process Flow Diagram
PFMOAA	perfluoro-2-methoxyacetic acid
PMPA	perfluoromethoxypropyl carboxylic acid
TB	Transfer Basin
TSS	total suspended solids
USGS	United States Geological Survey

## 1. INTRODUCTION

Geosyntec Consultants of NC, P.C. (Geosyntec) has prepared this Interim Seep Remediation Operation and Maintenance (O&M) Report #13 (“O&M Report #13”) on behalf of The Chemours Company FC, LLC (Chemours) to provide a summary report of Operations and Maintenance for the flow-through cells (FTCs) installed as the interim remediation systems at Seeps A, B, C, and D at the Chemours Fayetteville Works Site (the Site). This O&M Report #13 has been prepared for the operational period of January 1 through February 28, 2023. The next O&M Report (#14) will cover the bimonthly period of March 1 through April 30, 2023 and will be submitted no later than May 31, 2023.

As the O&M Report #1 from March 31, 2021 presented FTC performance data for the first time, detailed information was provided on the hydraulic mechanics of the system, flood management practices, data collection methodology and reduction process, and flow calculation formulas. As a simplifying step for presentation clarity, at various sections in this O&M Report #13, reference is made to these details in O&M Report #1. For an overview of the hydraulic functionality of the system, see Section 1.1 of O&M Report #1.

## 2. INSPECTIONS, OPERATION, AND MAINTENANCE

The following sections describe the inspections, operation, and maintenance activities completed at the four FTCs during the current reporting period (January 1 through February 28, 2023).

### 2.1 Inspections

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

The routine inspections included, but were not limited to:

- documenting the system duty cycle (i.e., lead/lag orientation of the GAC filter beds)
- measuring and collecting operational parameters/data, notably water elevation data that are used to evaluate influent flowrate and the occurrence (if any) of bypass
- documenting any potential observed issues, such as sediment accumulation in the impoundment basin, structural problems, GAC fouling, and debris that is impairing flow through the system
- inspecting the autosamplers
- photographing the conditions observed, including any bypass flow

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

### 2.2 Duty Cycling

As described in Section 1.1 of the O&M Report #1, the Seep FTCs are constructed of two filter beds which typically operate in series. Tables 1a-d detail the filter bed configurations for Seeps A, B, C, and D over the reporting period of January 1 through February 28, 2023. The approximate number of days each filter bed was in lead during the reporting period for Seeps A, B, C, and D is summarized in the table below:

Seep	FB1 Lead (days)	FB2 Lead (days)	Total Uptime in Reporting Period (days)
A	21	38	59
B	13	46	59
C	25	34	59
D	6	53	59

### 2.3 FTC Management During River Flooding

As described in the Interim Seeps Remediation System Plan (Geosyntec, 2020), to treat total base flow of each seep, it was necessary to install the interim remedies within the floodway. The historical river elevations were referenced to develop the design elevations of key features such as the spillway and the top of the wall. Additionally, an action level was developed for autosampler removal to prevent damage to electronic components by flood waters. Based on a review of the historical record, a W.O. Huske Lock and Dam gage height of 10 feet (or approximately 38 feet above mean sea level) was selected as the action level for removing autosamplers. Review of historical river stage data indicated that once the river level exceeded this action level, it would typically continue to rise past the level of the FTC walls.

During the reporting period, the Cape Fear River rose above the action level from February 14 through 15, 2023. The ISCO autosamplers at Seeps A-D were stopped on February 13 and removed from the FTCs due to the impending Cape Fear River flooding. The ISCO autosamplers were replaced on February 16 after the Cape Fear River receded. More details regarding the Cape Fear River are described in Section 4.5.

### 2.4 Material Changeouts

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

Seep	Filter Bed	GAC Changeouts		
		Date	GAC Age/Lead Days	GAC Removed (pounds [lbs])
A	FB2	1/11/2023	112/49	27,000
C	FB1	1/26/2023	105/43	9,000
B	FB2	1/27/2023	85/31.5	27,000
A	FB1	2/1/2023	71/23	27,000*
B	FB1	2/9/2023	42/13	27,000*
D	FB2	2/23/2023	230/183	27,000
<i>Total</i>				<i>144,000</i>

\*Seep A FB1 on February 1 and Seep B FB1 on February 9 were replaced with 18,000 lbs of GAC.

### 2.5 Issue Resolution and System Optimization

#### Filter Skids

Filter skids have been periodically operated at the A, B, and C FTCs by O&M personnel to improve pre-filtration of fine-grained sediment in influent water before it contacts the filter beds. The skids consist of a pump and a set of two bag houses in series. Pump intakes are placed in the pond, filtered through the bags ranging from 1 to 10 micron in size, and discharged into the influent



stilling basin. The operations of filter skirts at the FTCs assist in reducing turbidity and also generating additional freeboard by temporarily increasing flow through the system.

### Backflushing

Beginning in February 2023, a new backflushing technique was implemented at Seeps B and C to loosen clogged/compacted zones within the GAC filter beds and improve flow through the FTC systems. After stopping discharge from the FTC influent basin into the filter bed targeted for backflushing, O&M personnel pumped water held in the transfer basin through the transfer basin manifold piping, into the perforated underdrains in the filter bed, and up into the GAC (i.e., a temporary reversal of flow direction). O&M personnel identified moderate to significant improvement in flow rate through the filter bed after the work, and grab sampling was performed to confirm that the technique did not result in a change to the filter bed's PFAS removal efficiency.

### Autosamplers

In an effort to avoid future loss of aliquots within composited performance samples, the number of O&M personnel servicing the Seep FTCs has increased so daily inspections of the ISCO autosamplers can be performed.

### **3. DATA COLLECTED**

The FTC includes design components to measure water levels in the system, precipitation, water quality, and PFAS removal performance. The W.O. Huske Lock and Dam gage station is also used to reference nearby precipitation and river levels.

#### **3.1 Pressure Transducers**

The IC and Effluent Stilling Basin (ESB) are each equipped with a stilling well in which a non-vented Levelogger® is installed below the operational water level. The water levels acquired from processing the transducer data are used to estimate flows the system processes, and to record the occurrence of flow that is diverted past the system via the Bypass Spillway. Section 4.1 of the O&M Report #1 describes the process used to calculate the flowrates through the FTC based on the water levels.

The pressure transducer data were downloaded regularly as part of routine inspections (weekly at a minimum). Additionally, manual water level measurements were collected in the basins and stilling wells whenever transducers were downloaded to equilibrate the transducer readings (discussed in Section 4.1).

#### **3.2 Rainfall and River Stage**

Precipitation and river stage are monitored by using the United States Geological Survey (USGS) weather monitoring station at the W.O. Huske Dam (gage 02105500). This station is approximately 1,200 feet from Seep C and records precipitation and river elevation data every 15 minutes.

#### **3.3 Operational and Treatment Performance Monitoring**

Operational and performance monitoring of the system includes the composite collection of water samples from various locations in the system, and direct measurement of water quality parameters. The operational and performance monitoring is completed on a regular basis to evaluate:

- PFAS removal efficiency (i.e., performance monitoring)
- breakthrough of PFAS compounds between GAC filter beds, using grab samples on an as-needed basis (i.e., breakthrough monitoring)
- water quality parameters specified in the CO Addendum
- potential effects of 0.5-inch rain events on PFAS concentrations (i.e., wet weather monitoring)

##### **3.3.1 Performance Monitoring**

Composite samples for performance monitoring are collected using portable, battery-powered autosamplers (e.g., Teledyne ISCO 6712 Full-Size Portable Sampler). At the end of the sampling period, the operation, maintenance, and monitoring personnel fill laboratory-supplied sample containers from the common container within the autosampler. Sampling is conducted in

accordance with the PFAS Quality Assurance Project Plan (AECOM, 2018). Any adjustments made to address potential deficiencies (e.g., low battery power, river flooding) are documented on the Inspection Form.

During this reporting period, four sets of performance monitoring samples each were collected from Seeps A, B, C, and D. An additional composite sample was collected from the effluent at Seep A in January to compensate for the loss of a sample due to autosampler malfunction (see discussion in Section 3.4.1). Dates of composite periods for each sample are listed in Table 2.

Samples were stored on wet ice in a cooler until shipment to an external laboratory (Eurofins TestAmerica Laboratories Sacramento or Lancaster). Chain-of-custody documents were completed and included with each shipment. Performance monitoring samples were analyzed for Table 3+ PFAS, as outlined in the *Interim Seep Remediation System Plan* (Geosyntec, 2020).

### **3.3.2 Breakthrough Monitoring**

Grab samples were collected from the IC, TB, and ESB at Seeps A-D for evaluation of system performance and the need for GAC changeouts. Ten sets of breakthrough monitoring samples each were collected from Seep B, and nine sets of breakthrough monitoring samples each were collected from Seeps A, C, and D during this reporting period (37 total).

### **3.3.3 Water Quality Monitoring**

Water quality in the IC and ESB at Seeps A-D was generally monitored at the same frequency as performance monitoring described above. Dissolved oxygen (DO), pH, turbidity, specific conductivity, and temperature were measured using a calibrated In-Situ Aqua TROLL 500 Multiparameter Sonde. Total suspended solids (TSS) was measured by EPA laboratory method SM 2540D from grab samples collected concurrent with performance samples.

### **3.3.4 Rain Event Monitoring**

Wet weather samples were collected at a frequency of once per calendar month following a rain event of at least 0.5 inches within a 24-hour period. Composite samples for wet weather monitoring are collected using Teledyne ISCO 6712 Full-Size Portable Samplers (the same make and model as performance monitoring discussed above, but a dedicated set for wet weather sampling only). The wet weather autosamplers are equipped with Teledyne 674 rain gauges that measure rainfall depth. When rainfall exceeds 0.5 inches in a 24-hour period, the rain gauge sends a signal to the Teledyne 6712 to begin a sampling cycle, where the autosampler collects aliquots every hour for 24 hours. Operation, maintenance, and monitoring personnel fill sample containers and follow the same sample collection protocols for wet weather as described in Section 3.3.1 above.

Wet weather monitoring samples were analyzed for Table 3+ PFAS, as outlined in the *Interim Seep Remediation System Plan* (Geosyntec, 2020). Table 2 lists the wet weather samples collected at Seeps A-D during the reporting period and the associated cumulative rainfall prior to the sampling timeframe.

### 3.4 Deviations

Deviations in data collected are described below.

#### 3.4.1 Performance Monitoring Sampling Deviations

The planned number of performance monitoring samples were collected at Seeps B-D per the Interim Seep Remediation Plan (Geosyntec, 2020). Deviations in sample number and composite length in samples collected at Seep A are described below.

- Only the effluent sample was collected at Seep A during the second 14-day composite period for the month of January (16<sup>th</sup> through 30<sup>th</sup>). There was an operational malfunction of the influent autosampler that interrupted the collection of aliquots, which was not identified until the 30<sup>th</sup>. To compensate for not having a paired (i.e., both influent and effluent) composite sample for the 14-day period<sup>1</sup>, O&M personnel programmed the autosamplers to collect an additional 24-hour paired composite sample that ran from January 31 through February 1.

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<sup>1</sup> It is noted that the influent concentration at each seep has been well documented over the past two years of interim remedy operation; therefore, the successful collection of the effluent 14-day composite could be reasonably compared to this historical data set, if necessary, to estimate an approximate removal efficiency.

## 4. RESULTS

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

Reporting Period Metric	Seep A	Seep B	Seep C	Seep D	Total
Duration	59 days (January 1 – February 28, 2023)				
Rainfall, Actual (in)	6.59 (January 1 – February 28, 2023)				
Rainfall, Historical Average (in)	5.17 (January 1 – February 28, 2004-2020)				
River Above Spillway (days) *	0	0	0	0	N/A
Operational Period (days)	59				N/A
Median Flow Rate (gpm)	81	104	37	53	275
Seep Volume Treated (gallons)	7,300,000	9,800,000	4,400,000	5,400,000	26,900,000
PFAS Removed (lbs)	18.79**	19.80	3.50	4.71	46.80

\* Seeps A and D are approximately 1 foot lower in elevation than Seeps B and C.

\*\*For the purposes of calculating mass removal for Seep A, since the January 14 influent sample was non-detect for PFAS and considered anomalous, the average concentration from influent samples collected on February 1, 13, and 28 was used instead.

### 4.1 System Flowrates and Operational Periods

#### 4.1.1 System Flowrate

A detailed discussion of pressure transducer water level measurements in the Effluent Stilling Basin, and the data reduction process to convert these levels to flow rates, is provided in Sections 3.1, 3.4.1, and 4.1.1 of O&M Report #1. This data reduction process, updated for the current reporting period, is provided in Appendix A. Figures 2a-d show the measurable flowrates through the FTC over the reporting period for Seeps A-D, respectively.

The flowrate statistics calculated from measurable discharge flowrates for Seeps A-D for the current reporting period are tabulated below:

Flowrate Metric	Seep A	Seep B	Seep C	Seep D
Median Flow Rate (gpm) during the Reporting Period	81	104	37	53
95 <sup>th</sup> percentile Flow Rate (gpm) during the Reporting Period	193	263	72	150
Design Basis Flow Rate * (gpm)	205	226	76	183

\* The design basis flow rate was selected as the 95<sup>th</sup> percentile value of dry weather base flow from flume pre-design data.

Using the measured and extrapolated flowrate calculations, approximately 7,300,000 gallons, 9,800,000 gallons, 4,400,000 gallons, and 5,400,000 gallons of water (26,900,000 gallons total) were treated by the Seeps A, B, C, and D FTCs, respectively, from January 1 through February 28, 2023.

#### 4.1.2 Bypass Flow

A discussion of pressure transducer water level measurements in the FTC Influent Stilling Basin (ISB) and the data reduction process to convert these levels to the elevation of the bypass spillway is provided in Section 3.1, 3.4.1, and 4.1.2 of O&M Report #1. This data reduction process, updated for the current reporting period, is provided in Appendix A. The influent water level elevation and occurrences of bypass flow for Seeps A-D for the reporting period are shown in Figures 3a-d.

The total rainfall received in January was approximately 4.15 inches, which is approximately double the monthly historical average of 2.28 inches. In February, the total rainfall was 2.44 inches, which is similar in magnitude (15% less) than the monthly historical average of 2.89 inches. Overall, for the two-month period, the total rainfall received (6.59 inches) was approximately 30% greater than the historical average (5.17 inches). The frequent wet weather in late January and early February caused the influent to bypass the FTCs at Seeps A, B, and C. These instances of bypass were resolved with maintenance events lowering the impoundment below the spillway, similar to previous reporting periods. At Seep D, there was no bypass for the full two-month period.

#### 4.2 Performance Monitoring Analytical Results

Analytical results for the composite performance monitoring samples are provided in Table 3 and summarized below. Laboratory analytical results are compiled in Appendix B.

As shown in Table 3d, PFAS were not detected in the Seep A influent composite sample that was collected on January 14, 2022. This is not consistent with other results in this reporting period and with historical results. This sample is presumed to be an anomaly and, as such, was omitted from statistical calculations. Additionally, as the 14-day composite effluent sample collected from Seep

A on January 30 did not have a contemporaneous influent sample, it was also omitted from statistical calculations; however, since the sample had only limited detections of PFAS compounds, if it were compared to historical data, it would not appreciably affect the calculation.

<b>Analytical Results – Performance Monitoring</b>	<b>Seep A</b>	<b>Seep B</b>	<b>Seep C</b>	<b>Seep D</b>
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L)	133,333	207,500	93,000	103,250
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	21	188	205	73
Average Removal Efficiency (%)	>99.9	99.9	99.8	99.9

### 4.3 System Effectiveness

System effectiveness, defined by the percentage removal of the combined concentrations of the three indicator parameters (HFPO-DA, PFMOAA and PMPA), is determined on a monthly average basis for the system using volume weighted concentrations of the influent and effluent samples. Volume weighted concentrations were developed in the event that either the influent and effluent autosamplers have different compositing durations or that the two composite sampling periods in the month have different durations (e.g., 14 days and 10 days). Both circumstances could arise due to a potential equipment malfunction or severe weather event. Weighting by volume provides a representative assessment of mass present in both the influent and effluent over time; samples corresponding to greater flow volumes will have a proportionately higher weight. System effectiveness is calculated using the equation presented in Section 4.3 of the O&M Report #1.

As shown in Table 3d, PFAS were not detected in the Seep A influent composite sample that was collected on January 14, 2022. This is not consistent with other results in this reporting period and with historical results. This sample is presumed to be an anomaly and, as such, was omitted from statistical calculations. Additionally, as the 14-day composite effluent sample collected from Seep A on January 30 did not have a contemporaneous influent sample, it was also omitted from statistical calculations; however, since the sample had only limited detections of PFAS compounds, if it were compared to historical data, it would not appreciably affect the calculation.

Based on the system flowrate data (Section 4.1.1) and the performance monitoring composite sample data of the three indicator compounds (Section 4.2), the overall system effectiveness for Seeps A-D was calculated to be 99.9%. The system effectiveness for the individual Seeps is presented below:

System Effectiveness	Seep A		Seep B		Seep C		Seep D		Overall Average
	Jan*	Feb	Jan	Feb	Jan	Feb	Jan	Feb	
%	>99.9	>99.9	99.9	99.8	99.9	99.4	>99.9	99.8	99.9

\*For the purposes of calculating System Effectiveness for Seep A in January, since the January 14 influent sample was non-detect for PFAS and considered anomalous, the average concentration of each indicator parameter from influent samples collected on February 1, 13, and 28 was used instead.

#### 4.4 Wet Weather Sampling Results

Wet weather monitoring samples were collected at Seeps A, B, C, and D during the reporting period (Table 2), and their analytical results are shown in Table 4 and summarized below. Laboratory analytical results are compiled in Appendix B. As noted in Paragraph 2(a)(iii) in the CO Addendum, these results are not to be used to determine compliance under Paragraph 2(a)(vi).

Analytical Result – Wet Weather Monitoring	Seep A	Seep B	Seep C	Seep D
Influent Total Table 3+ PFAS, 17 compounds (ng/L)	95,000	155,000	64,000	103,000
Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	22	30	200	None Detected
Removal Efficiency (%)	>99.9	>99.9	99.7	>99.9

#### 4.5 River Elevation and Precipitation

The Cape Fear River was monitored using the existing USGS weather monitoring station at the W.O. Huske Dam (gage 02105500), as described in Section 3.2.

Three key river elevations, in reference to the FTC at Seeps A-D were monitored for their effect on system performance:

- (i) When the river rises above the top of the GAC (approximately), head differentials throughout the FTC are reduced and flow through the system is hindered.
- (ii) When the river rises above the invert of the Bypass Spillway, the influent and effluent water elevation are equal and flow through the system ceases.
- (iii) When the river rises above the top of the FTC walls, maintenance is required to remove any depositional sediment from flooding.

From February 14 to 15, 2023, the river rose above the elevation of the discharge weir (Weir 3) at all four seep FTCs, but did not overtop the GAC surface elevation. When this occurs, flow through the system is hindered.



Table 5 presents the percent of time the elevation of the Cape Fear River has exceeded these key elevations over the lifetime of operation at each seep FTC. As shown, the river has been above the Seep A/B/D features less frequently than the historical dataset, as compared to Seep C, which was installed during the extraordinarily wet winter of 2020/2021.

The changes in elevation of the Cape Fear River during the reporting period (January 1 through February 28, 2023) are shown in Figure 1. For clarity of presentation, Figure 1 shows the key FTC elevations at Seep C only.

#### 4.6 Water Quality

The water quality measurements collected during the reporting period are provided in Table 6 and described below:

- **DO:** No significant differences were observed in the fluctuations of DO between influent and effluent locations at all four seeps. On a median basis, the DO changed by 0.4 mg/L or less. Aerobic (>2 mg/L) conditions were consistently observed during the process, with the exception of the first January sample at each seep, which is considered to be anomalous, based on the lack of consistency with historical data for most field parameters. The FTC systems do not involve biological activity to treat influent water, therefore, DO is not expected to decrease or increase significantly over the system's residence time.
- **Temperature:** At all four seeps, the median temperature of the effluent was within 0.3°C of the median temperature of the influent during this reporting period. Due to the relatively short residence time in the FTC, temperature is not expected to change significantly throughout the FTC.
- **Specific Conductance:** Similar to the above parameters, there appeared to be only a minor effect on conductivity. The FTC is expected to have little effect on the anion/cation content of the seep baseflow. For all four Seeps, the difference in median specific conductance across influent and effluent locations ranged between -19.3 and 33.0 µS/cm.
- **pH:** The median influent pH at the four seeps ranged from 5.0 to 6.9, and the median effluent pH ranged from 6.0 to 7.7 standard units (SU) in this reporting period. From the IC to the ESB, the median pH of treated water at Seeps A, B, C, and D changed by 0.8, 0.1, 0.5, and 1.0 SU, respectively.
- **Turbidity:** The median turbidity of the influent water at Seeps A-D ranged from 10.0 to 372.1 NTU. The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A-D ranged from 0.6 to 113.7 NTU.
- **TSS:** The median influent TSS at Seeps A-D ranged from 5.8 to 32.0 mg/L. Effluent TSS at Seeps A-D was either not detected or was detected in minimal concentrations (8.4 mg/L or lower). As was the case with turbidity, the FTCs decreased the TSS in the influent water.

## 5. SUMMARY

The following summarizes the FTC performance after the completion of the latest reporting period (January 1 through February 28, 2023):

- Conclusions reached from the previous months of operation, as documented in previous O&M Reports, remain unchanged. Flow data from Seeps A, B, C, and D indicate the systems are capable of treating more than the design basis flow rate under favorable hydraulic conditions. Wet weather flow is frequently captured, in some cases fully captured, and treated equally to dry weather flows when captured.
- Performance monitoring results indicate the average PFAS removal efficiency of captured baseflow at Seeps A-D is approximately 99.9%. To date, the A-D FTCs have prevented approximately 575 lbs of PFAS from being discharged to the Cape Fear River.

The next O&M Report (#14) will cover the bimonthly period of March 1 through April 30, 2023 and will be submitted no later than May 31, 2023.

## 6. REFERENCES

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- Geosyntec, 2022e. Interim Seep Remediation Operation and Maintenance Report #10. Chemours Fayetteville Works. 30 September 2022.
- Geosyntec, 2022f. Interim Seep Remediation Operation and Maintenance Report #11. Chemours Fayetteville Works. 30 November 2022.
- Geosyntec, 2022g. Interim Seep Remediation Operation and Maintenance Report #12. Chemours Fayetteville Works. 31 January 2023.

# TABLES

**Table 1a**  
**Summary of Operations and Maintenance Activities - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
01/03/2023	616	No	X			Series		Series		X	N/A	N/A
01/04/2023	617	No				Series		Series			Skimmed and fluffed FB2.	N/A
01/06/2023	619	No				Series		Series			Skimmed and fluffed FB2.	N/A
01/09/2023	622	No				Series		Series		X	N/A	N/A
01/10/2023	623	No	X			Series		Lead	Closed		N/A	7 inches of freeboard.
01/11/2023	624	-				Lead	Changeout	Series			GAC changeout in FB2.	N/A
01/12/2023	625	No				Series		Series			N/A	18 inches of freeboard.
01/13/2023	626	No				Series		Series			Skimmed and fluffed FB2.	8 inches of freeboard.
01/14/2023	627	-		X		Series		Series			N/A	N/A
01/15/2023	628	No				Series		Series			N/A	19 inches of freeboard.
01/16/2023	629	No				Series		Series		X	N/A	17 inches of freeboard.
01/17/2023	630	No	X			Series		Series			N/A	17 inches of freeboard.
01/18/2023	631	No				Series		Series			Skimmed and fluffed FB1.	16 inches of freeboard.
01/19/2023	632	-				Series		Series			N/A	N/A
01/20/2023	633	No				Series		Series			N/A	20 inches of freeboard.
01/23/2023	636	Yes			X	Series		Series		X	N/A	N/A
01/24/2023	637	Yes	X			Series		Series			N/A	N/A
01/25/2023	638	No				Series		Series			N/A	3 inches of freeboard.
01/26/2023	639	Yes				Series		Series			Skimmed and fluffed FB1.	N/A
01/27/2023	640	Yes				Series		Series			Skimmed and fluffed FB1. Replaced fabric in FB2.	N/A
01/28/2023	641	Yes				Series		Parallel			Cleared blockage in bypass spillway.	NA
01/30/2023	643	No	X	X		Parallel		Parallel		X	Skimmed and fluffed both FB1 and FB2.	6 inches of freeboard.
01/31/2023	644	-				Parallel		Parallel			N/A	N/A
02/01/2023	645	-		X		Parallel		Closed	Lead		N/A	N/A
02/02/2023	646	No				Changeout	Lead	Series			GAC changeout in FB1.	8 inches of freeboard.
02/03/2023	647	-			X	Series		Series			N/A	N/A
02/06/2023	650	Yes	X			Series		Closed	Lead	X	Skimmed and fluffed FB2.	N/A
02/08/2023	652	No				Closed	Lead	Closed	Lead		Skimmed and fluffed FB2.	N/A
02/09/2023	653	No				Closed	Lead	Closed	Lead		N/A	11 inches of freeboard.
02/10/2023	654	No				Closed	Lead	Series			Skimmed and fluffed FB2.	N/A
02/11/2023	655	No				Series		Series			N/A	12 inches of freeboard.
02/12/2023	656	Yes				Series		Series			N/A	N/A
02/13/2023	657	Yes	X	X		Series		Series		X	N/A	Flow through spillway is clear.
02/14/2023	658	Yes				Series		Series			Skimmed and fluffed FB2.	River rose above the elevation of the discharge weir.
02/15/2023	659	No				Series		Series			Skimmed and fluffed FB2.	River rose above the elevation of the discharge weir.
02/16/2023	660	Yes				Series		Series			N/A	N/A
02/17/2023	661	No				Closed	Lead	Series			Skimmed and fluffed FB2.	3 inches of freeboard.
02/18/2023	662	-				Series		Series			N/A	N/A
02/20/2023	664	No	X			Closed	Lead	Closed	Lead	X	N/A	16.5 inches of freeboard.
02/21/2023	665	No				Closed	Lead	Closed	Lead		N/A	14 inches of freeboard.
02/22/2023	666	No				Closed	Lead	Series			Skimmed and fluffed FB2.	12 inches of freeboard.
02/23/2023	667	No				Series		Series			N/A	12 inches of freeboard.
02/24/2023	668	No				Series		Series			Skimmed and fluffed FB2.	N/A
02/27/2023	671	No	X			Series		Series		X	N/A	N/A
02/28/2023	672	No		X		Series		Series			Skimmed and fluffed FB2.	N/A

**Notes**  
 FB1 - Filter Bed 1  
 FB2 - Filter Bed 2  
 GAC - granulated activated carbon  
 N/A - Not Applicable

**Table 1b**  
**Summary of Operations and Maintenance Activities - Seep B**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
01/03/2023	575	No	X			Series		Series		X	N/A	N/A
01/04/2023	576	No				Series		Series			Skimmed and fluffed FB2.	3 inches of freeboard.
01/06/2023	578	-				Series		Series			N/A	N/A
01/09/2023	581	No				Series		Series		X	Skimmed and fluffed FB2.	N/A
01/10/2023	582	No	X			Series		Series			N/A	11 inches of freeboard.
01/11/2023	583	No				Series		Series			N/A	12 inches of freeboard.
01/12/2023	584	-				Series		Series			N/A	N/A
01/14/2023	586	-		X		Series		Series			N/A	N/A
01/15/2023	587	No				Series		Series			N/A	15 inches of freeboard.
01/16/2023	588	No				Series		Series		X	N/A	13 inches of freeboard.
01/17/2023	589	-	X			Series		Series			N/A	N/A
01/18/2023	590	No				Series		Series			N/A	14.5 inches of freeboard.
01/19/2023	591	-				Series		Series			N/A	N/A
01/23/2023	595	Yes			X	Series		Series		X	Skimmed and fluff FB2.	N/A
01/24/2023	596	Yes	X			Series		Closed	Lead		Skimmed and fluffed FB2.	N/A
01/25/2023	597	No				Closed	Lead	Parallel			Temporarily changed sole processing to FB1, pumped down mid-basin, and pulled FB2 underdrain plugs to improve flow processing.	4 inches of freeboard after the performed maintenance.
01/26/2023	598	No				Parallel		Lead	Closed		Line jetted FB2 underdrains.	1 inch of freeboard.
01/27/2023	599	No				Lead	Changeout	Series			GAC changeout in FB2. Skimmed and fluffed FB1.	5 inches of freeboard.
01/30/2023	602	Yes	X	X		Series		Series		X	Skimmed and fluffed FB1. Cleared debris from spillway.	N/A
01/31/2023	603	-				Series		Series			N/A	N/A
02/01/2023	604	Yes	X			Series		Series			N/A	N/A
02/03/2023	606	Yes			X	Series		Series			Performed new backflush maintenance method.	N/A
02/06/2023	609	Yes	X			Series		Lead	Closed	X	Skimmed and fluffed FB1.	N/A
02/07/2023	610	Yes				Lead	Closed	Parallel			N/A	N/A
02/08/2023	611	-				Parallel		Closed	Lead		N/A	N/A
02/09/2023	612	-				Changeout	Lead	Closed	Lead		GAC changeout in FB1. Skimmed and fluffed FB2.	Weir 3 height adjusted.
02/10/2023	613	-				Closed	Lead	Series			N/A	N/A
02/11/2023	614	No				Series		Series			N/A	9 inches of freeboard.
02/12/2023	615	Yes				Series		Closed	Lead		Backflushed FB2.	N/A
02/13/2023	616	Yes	X	X		Closed	Lead	Closed	Lead	X	Backflushed FB2.	N/A
02/14/2023	617	No				Closed	Lead	Closed	Lead		Skimmed and fluffed FB2.	River rose above the elevation of the discharge weir.
02/15/2023	618	No				Closed	Lead	Closed	Lead		Backflushed FB2.	N/A
02/16/2023	619	Yes				Closed	Lead	Closed	Lead		Skimmed and fluffed FB2.	N/A
02/17/2023	620	No				Closed	Lead	Closed	Lead		Backflushed FB2.	N/A
02/18/2023	621	No				Closed	Lead	Closed	Lead		Backflushed FB2.	N/A
02/20/2023	623	No	X			Closed	Lead	Closed	Lead	X	Skimmed and fluffed FB2.	5 inches of freeboard.
02/21/2023	624	No				Closed	Lead	Closed	Lead		N/A	14 inches of freeboard.
02/22/2023	625	No				Closed	Lead	Closed	Lead		N/A	14.5 inches of freeboard.
02/24/2023	627	No				Series		Series			N/A	16 inches of freeboard.
02/27/2023	630	No	X			Series		Series		X	N/A	N/A
02/28/2023	631	No		X		Series		Series			Filter skids operated.	18 inches of freeboard.

**Notes**  
 FB1 - Filter Bed 1  
 FB2 - Filter Bed 2  
 GAC - granulated activated carbon  
 N/A - Not Applicable

**Table 1c**  
**Summary of Operations and Maintenance Activities - Seep C**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
01/03/2023	749	No	X			Series		Series		X	Skimmed and fluffed FB1.	N/A
01/06/2023	752	No				Series		Series			N/A	8 inches of freeboard.
01/09/2023	755	No				Series		Series		X	Skimmed and fluffed FB1.	N/A
01/10/2023	756	No	X			Series		Series			N/A	9 inches of freeboard.
01/11/2023	757	No				Series		Series			N/A	9 inches of freeboard.
01/12/2023	758	No				Series		Series			Skimmed FB1.	N/A
01/13/2023	759	No				Series		Series			N/A	10 inches of freeboard.
01/14/2023	760	-		X		Series		Series			N/A	N/A
01/15/2023	761	No				Series		Series			N/A	10.5 inches of freeboard.
01/16/2023	762	No				Series		Series		X	N/A	10 inches of freeboard.
01/17/2023	763	No	X			Series		Series			N/A	9 inches of freeboard.
01/18/2023	764	No				Series		Series			N/A	8.5 inches of freeboard.
01/19/2023	765	No				Series		Series			Skimmed and fluffed FB1.	N/A
01/20/2023	766	No				Series		Series			N/A	12 inches of freeboard.
01/23/2023	769	Yes			X	Series		Series		X	Skimmed and fluffed FB1.	N/A
01/24/2023	770	No	X			Series		Series			N/A	N/A
01/25/2023	771	No				Series		Series			N/A	2 inches of freeboard.
01/26/2023	772	-				Changeout	Lead	Series			GAC changeout in FB1.	N/A
01/27/2023	773	No				Series		Series			N/A	Negligible freeboard.
01/30/2023	776	No	X	X		Series		Series		X	N/A	5 inches of freeboard.
01/31/2023	777	-				Series		Series			Skimmed and fluffed FB2.	N/A
02/01/2023	778	-				Series		Series			N/A	N/A
02/02/2023	779	No				Series		Series			N/A	4 inches of freeboard.
02/03/2023	780	Yes			X	Series		Series			Skimmed and fluffed FB2.	N/A
02/06/2023	783	No	X			Series		Series		X	Flushed FB2.	N/A
02/07/2023	784	-				Series		Series			N/A	N/A
02/08/2023	785	-				Series		Series			N/A	N/A
02/09/2023	786	No				Series		Series			Skimmed and fluffed FB2.	N/A
02/10/2023	787	No				Series		Series			N/A	7 inches of freeboard.
02/11/2023	788	No				Series		Series			N/A	8 inches of freeboard.
02/12/2023	789	Yes				Series		Series			Backflushed FB2.	N/A
02/13/2023	790	Yes	X	X		Series		Series		X	Skimmed and fluffed FB2.	N/A
02/14/2023	791	-				Series		Closed	Lead		N/A	River elevation close to discharge weir.
02/15/2023	792	-				Closed	Lead	Closed	Lead		N/A	N/A
02/16/2023	793	-				Closed	Lead	Closed	Lead		Skimmed and fluffed FB1 and FB2.	N/A
02/17/2023	794	-				Closed	Lead	Closed	Lead		Backflushed FB2.	7 inches of freeboard.
02/18/2023	795	-				Closed	Lead	Closed	Lead		N/A	N/A
02/20/2023	797	No	X			Closed	Lead	Closed	Lead	X	N/A	7 inches of freeboard.
02/21/2023	798	No				Closed	Lead	Closed	Lead		Skimmed and fluffed FB2	5 inches of freeboard.
02/23/2023	800	No				Closed	Lead	Series			N/A	13.5 inches of freeboard.
02/24/2023	801	No				Series		Series			Skimmed and fluffed FB2.	13 inches of freeboard.
02/27/2023	804	No	X			Series		Series		X	N/A	N/A
02/28/2023	805	No		X		Series		Series			Cleaned and skimmed FB2.	12 inches of freeboard.

**Notes**  
 FB1 - Filter Bed 1  
 FB2 - Filter Bed 2  
 GAC - granulated activated carbon  
 N/A - Not Applicable

**Table 1d**  
**Summary of Operations and Maintenance Activities - Seep D**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	Days Since Startup	Bypass Spillway Flow?	Sampling Performed			Operational Mode				Transducers Downloaded	Maintenance Activities Completed	Notes
			Breakthrough Monitoring	Performance Monitoring	Wet Weather Monitoring	Arrival		Departure				
						FB1	FB2	FB1	FB2			
01/03/2023	559	No	X			Series		Series		X	N/A	N/A
01/05/2023	561	No				Series		Series			Skimmed and fluffed FB2.	9 inches of freeboard.
01/06/2023	562	No				Series		Series			N/A	20 inches of freeboard.
01/09/2023	565	No				Series		Series		X	N/A	N/A
01/10/2023	566	-	X			Series		Series			Skimmed FB2.	N/A
01/12/2023	568	-				Series		Series			N/A	N/A
01/13/2023	569	No				Series		Series			Skimmed and fluffed both filter beds.	17 inches of freeboard.
01/14/2023	570	-		X		Series		Series			N/A	N/A
01/15/2023	571	No				Series		Series			N/A	13 inches of freeboard.
01/16/2023	572	No				Series		Series		X	Skimmed FB2.	11 inches of freeboard.
01/17/2023	573	No	X			Series		Series			N/A	21 inches of freeboard.
01/18/2023	574	No				Series		Series			N/A	20 inches of freeboard.
01/19/2023	575	-				Series		Series			N/A	N/A
01/20/2023	576	No				Series		Series			N/A	17 inches of freeboard.
01/23/2023	579	No			X	Series		Series		X	N/A	7 inches of freeboard.
01/24/2023	580	No	X			Series		Series			N/A	5 inches of freeboard.
01/25/2023	581	No				Series		Series			Skimmed and fluffed FB2.	3 inches of freeboard.
01/26/2023	582	No				Series		Series			N/A	7 inches of freeboard.
01/27/2023	583	No				Series		Series			N/A	6 inches of freeboard.
01/30/2023	586	No	X	X		Series		Series		X	N/A	15 inches of freeboard.
01/31/2023	587	-				Series		Series			N/A	N/A
02/01/2023	588	No				Series		Series			N/A	N/A
02/02/2023	589	No				Series		Series			N/A	18 inches of freeboard.
02/03/2023	590	No			X	Series		Series			N/A	15.5 inches of freeboard.
02/06/2023	593	No	X			Series		Series		X	N/A	N/A
02/07/2023	594	No				Series		Series			Skimmed and fluffed FB2.	N/A
02/08/2023	595	-				Series		Series			N/A	N/A
02/09/2023	596	-				Series		Series			N/A	N/A
02/10/2023	597	-				Series		Series			N/A	17 inches of freeboard.
02/11/2023	598	No				Series		Series			N/A	16 inches of freeboard.
02/13/2023	600	No	X	X		Series		Series		X	N/A	N/A
02/14/2023	601	-				Series		Series			N/A	River elevation close to discharge weir.
02/17/2023	604	-				Series		Series			N/A	18 inches of freeboard.
02/18/2023	605	-				Series		Series			N/A	N/A
02/20/2023	607	No	X			Series		Series		X	N/A	13.5 inches of freeboard.
02/21/2023	608	No				Series		Series			N/A	11 inches of freeboard.
02/22/2023	609	No				Series		Series			Skimmed and fluffed FB2.	N/A
02/23/2023	610	No				Lead	Changeout	Series			GAC changeout in FB2.	N/A
02/24/2023	611	No				Series		Series			N/A	21 inches of freeboard.
02/27/2023	614	No	X			Series		Series		X	N/A	N/A
02/28/2023	615	No		X		Series		Series			N/A	14 inches of freeboard.

**Notes**  
 FB1 - Filter Bed 1  
 FB2 - Filter Bed 2  
 GAC - granulated activated carbon  
 N/A - Not Applicable



**Table 2a**  
**Sampling Summary - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

**Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-336-011423 SEEP-A-EFFLUENT-336-011423	January 1 - January 14, 2023	January 14, 2023
SEEP-A-EFFLUENT-336-013023	January 16 - January 30, 2023	January 30, 2023
SEEP-A-INFLUENT-24-020123 SEEP-A-EFFLUENT-24-020123	January 31 - February 1, 2023	February 1, 2023
SEEP-A-INFLUENT-306-021323 SEEP-A-EFFLUENT-306-021323	February 1 - February 13, 2023	February 13, 2023
SEEP-A-INFLUENT-306-022823 SEEP-A-EFFLUENT-306-022823	February 16 - February 28, 2023	February 28, 2023

**Wet Weather Composite Sample**

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-A-INFLUENT-RAIN-24-012323 SEEP-A-EFFLUENT-RAIN-24-012323	January 23, 2023	8:43	1.49
SEEP-A-INFLUENT-RAIN-24-020323 SEEP-A-EFFLUENT-RAIN-24-020323	February 3, 2023	7:13	1.08

*Notes*

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 The ISCO autosampler at Seep A influent malfunctioned on January 31, interrupting the collection of aliquots in the 14-day composite cycle. Operations and maintenance staff collected an additional 24-hour sample on January 31 from both the influent and effluent to fill in the inadvertant data gap caused by the lost 14-day influent sample.
- 3 From February 14 through February 15, 2023, the Cape Fear River rose above the flooding action level that was developed for FTC management (see Section 2.3). The ISCO autosamplers were stopped on February 13 in order to remove the devices, interrupting the collection of aliquots in the 14-day composite cycle. The ISCO autosamplers were started on February 16, after the river receded, and ended on February 28, which resulted in a shorter composite cycle (13 days) than planned (14 days).
- 4 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

**Table 2b**  
**Sampling Summary - Seep B**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

**Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-336-011423 SEEP-B-EFFLUENT-336-011423	January 1 - January 14, 2023	January 14, 2023
SEEP-B-INFLUENT-336-013023 SEEP-B-EFFLUENT-336-013023	January 16 - January 30, 2023	January 30, 2023
SEEP-B-INFLUENT-306-021323 SEEP-B-EFFLUENT-306-021323	February 1 - February 13, 2023	February 13, 2023
SEEP-B-INFLUENT-306-022823 SEEP-B-EFFLUENT-306-022823	February 16 - February 28, 2023	February 28, 2023

**Wet Weather Composite Sample**

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-B-INFLUENT-RAIN-24-012323 SEEP-B-EFFLUENT-RAIN-24-012323	January 23, 2023	8:44	1.49
SEEP-B-INFLUENT-RAIN-24-020323 SEEP-B-EFFLUENT-RAIN-24-020323	February 3, 2023	21:39	1.08

*Notes*

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 From February 14 through February 15, 2023, the Cape Fear River rose above the flooding action level that was developed for FTC management (see Section 2.3). The ISCO autosamplers were stopped on February 13 in order to remove the devices, interrupting the collection of aliquots in the 14-day composite cycle. The ISCO autosamplers were started on February 16, after the river receded, and ended on February 28, which resulted in a shorter composite cycle (13 days) than planned (14 days).
- 3 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

**Table 2c**  
**Sampling Summary - Seep C**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

**Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-336-011423 SEEP-C-EFFLUENT-336-011423	January 1 - January 14, 2023	January 14, 2023
SEEP-C-INFLUENT-336-013023 SEEP-C-EFFLUENT-336-013023	January 16 - January 30, 2023	January 30, 2023
SEEP-C-INFLUENT-306-021323 SEEP-C-EFFLUENT-306-021323	February 1 - February 13, 2023	February 13, 2023
SEEP-C-INFLUENT-306-022823 SEEP-C-EFFLUENT-306-022823	February 16 - February 28, 2023	February 28, 2023

**Wet Weather Composite Sample**

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-C-INFLUENT-RAIN-24-012323 SEEP-C-EFFLUENT-RAIN-24-012323	January 23, 2023	8:48	1.49
SEEP-C-INFLUENT-RAIN-24-020323 SEEP-C-EFFLUENT-RAIN-24-020323	February 3, 2023	20:41	1.08

*Notes*

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 From February 14 through February 15, 2023, the Cape Fear River rose above the flooding action level that was developed for FTC management (see Section 2.3). The ISCO autosamplers were stopped on February 13 in order to remove the devices, interrupting the collection of aliquots in the 14-day composite cycle. The ISCO autosamplers were started on February 16, after the river receded, and ended on February 28, which resulted in a shorter composite cycle (13 days) than planned (14 days).
- 3 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

**Table 2d**  
**Sampling Summary - Seep D**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

**Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-336-011423 SEEP-D-EFFLUENT-336-011423	January 1 - January 14, 2023	January 14, 2023
SEEP-D-INFLUENT-336-013023 SEEP-D-EFFLUENT-336-013023	January 16 - January 30, 2023	January 30, 2023
SEEP-D-INFLUENT-306-021323 SEEP-D-EFFLUENT-306-021323	February 1 - February 13, 2023	February 13, 2023
SEEP-D-INFLUENT-306-022823 SEEP-D-EFFLUENT-306-022823	February 16 - February 28, 2023	February 28, 2023

**Wet Weather Composite Sample**

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-D-INFLUENT-RAIN-24-012323 SEEP-D-EFFLUENT-RAIN-24-012323	January 23, 2023	8:54	1.49
SEEP-D-INFLUENT-RAIN-24-020323 SEEP-D-EFFLUENT-RAIN-24-020323	February 3, 2023	20:24	1.08

*Notes*

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 From February 14 through February 15, 2023, the Cape Fear River rose above the flooding action level that was developed for FTC management (see Section 2.3). The ISCO autosamplers were stopped on February 13 in order to remove the devices, interrupting the collection of aliquots in the 14-day composite cycle. The ISCO autosamplers were started on February 16, after the river receded, and ended on February 28, which resulted in a shorter composite cycle (13 days) than planned (14 days).
- 3 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

**Table 3a**  
**Summary of Performance Monitoring Analytical Results - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

	SEEP-A-INFLUENT- 336-011423  Sample Date: 14-Jan-23	SEEP-A-EFFLUENT- 336-011423  Sample Date: 14-Jan-23	Percent Removal	SEEP-A-EFFLUENT- 336-013023  Sample Date: 30-Jan-23	Percent Removal	SEEP-A-INFLUENT- 24-020123  Sample Date: 1-Feb-23	SEEP-A-EFFLUENT- 24-020123  Sample Date: 1-Feb-23	Percent Removal	SEEP-A-INFLUENT- 306-021323  Sample Date: 13-Feb-23	SEEP-A-EFFLUENT- 306-021323  Sample Date: 13-Feb-23	Percent Removal
<i>Table 3 + SOP (ng/L)</i>											
Hfpo Dimer Acid	<81	<b>2.2</b>	-- <sup>[3]</sup>	<b>33</b>	-- <sup>[4]</sup>	<b>20,000</b>	<b>2.6</b>	>99.9%	<b>22,000</b>	<b>4.2</b>	>99.9%
PFMOAA	<80	<b>17</b>	-- <sup>[3]</sup>	<b>87 J</b>	-- <sup>[4]</sup>	<b>49,000</b>	<b>19 J</b>	>99.9%	<b>46,000</b>	<2.0	>99.9%
PFO2HxA	<27	<b>4.8</b>	-- <sup>[3]</sup>	<b>45 J</b>	-- <sup>[4]</sup>	<b>26,000</b>	<b>3.0 J</b>	>99.9%	<b>25,000</b>	<b>3.3</b>	>99.9%
PFO3OA	<39	<2.0	-- <sup>[3]</sup>	<b>15 J</b>	-- <sup>[4]</sup>	<b>9,300</b>	<2.0	>99.9%	<b>8,000</b>	<2.0	>99.9%
PFO4DA	<59	<2.0	-- <sup>[3]</sup>	<b>6.2 J</b>	-- <sup>[4]</sup>	<b>4,200</b>	<2.0	>99.9%	<b>4,100</b>	<2.0	>99.9%
PFO5DA	<78	<2.0	-- <sup>[3]</sup>	<b>3.2 J</b>	-- <sup>[4]</sup>	<b>1,900</b>	<2.0	>99.9%	<b>1,800</b>	<2.0	>99.9%
PMPA	<620	<10	-- <sup>[3]</sup>	<b>26 J</b>	-- <sup>[4]</sup>	<b>11,000</b>	<10	>99.9%	<b>10,000</b>	<10	>99.9%
PEPA	<20	<20	-- <sup>[3]</sup>	<20	-- <sup>[4]</sup>	<b>4,200</b>	<20	>99.9%	<b>4,000</b>	<20	>99.9%
PS Acid	<20	<2.0	-- <sup>[3]</sup>	<b>2.6 J</b>	-- <sup>[4]</sup>	<b>2,900</b>	<2.0	>99.9%	<b>2,100</b>	<2.0	>99.9%
Hydro-PS Acid	<6.1	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>840</b>	<2.0	>99.9%	<b>740</b>	<2.0	>99.9%
R-PSDA	<71	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>1,700 J</b>	<2.0	>99.9%	<b>1,600 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<38	<2.0	-- <sup>[3]</sup>	<b>18 J</b>	-- <sup>[4]</sup>	<b>17,000 J</b>	<2.0	>99.9%	<b>20,000 J</b>	<2.0	>99.9%
R-PSDCA	<17	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>32</b>	<2.0	>99.9%	<b>22</b>	<2.0	>99.9%
NVHOS, Acid Form	<15	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>820</b>	<2.0	>99.9%	<b>870</b>	<2.0	>99.9%
EVE Acid	<17	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>280</b>	<2.0	>99.9%	<b>250</b>	<2.0	>99.9%
Hydro-EVE Acid	<14	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>1,100</b>	<2.0	>99.9%	<b>910</b>	<2.0	>99.9%
R-EVE	<72	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<b>640 J</b>	<2.0	>99.9%	<b>670 J</b>	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	-- <sup>[3]</sup>	<2.0	-- <sup>[4]</sup>	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 compounds)</b> <sup>[1,2]</sup>	<b>ND</b>	<b>24</b>	-- <sup>[3]</sup>	<b>220</b>	-- <sup>[4]</sup>	<b>130,000</b>	<b>25</b>	<b>&gt;99.9%</b>	<b>130,000</b>	<b>7.5</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 compounds)</b> <sup>[1]</sup>	<b>ND</b>	<b>24</b>	-- <sup>[3]</sup>	<b>240</b>	-- <sup>[4]</sup>	<b>150,000</b>	<b>25</b>	<b>&gt;99.9%</b>	<b>150,000</b>	<b>7.5</b>	<b>&gt;99.9%</b>

**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 - Percent removal is not calculated for the January 14 samples, since, for unknown reasons, there were no PFAS detections in the influent.
- 4 - The January 30 influent sample was not collected because the autosampler malfunctioned. Without corresponding influent sample results, the percent removal is not calculable.

**Bold** - Analyte detected above associated reporting limit.  
**J** - Analyte detected. Reported value may not be accurate or precise.  
 N/A - not applicable

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 3a**  
**Summary of Performance Monitoring Analytical Results - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

	<b>SEEP-A-INFLUENT- 306-022823</b>	<b>SEEP-A-EFFLUENT- 306-022823</b>	<b>Percent Removal</b>
	Sample Date: 28-Feb-23	Sample Date: 28-Feb-23	
<i>Table 3 + SOP (ng/L)</i>			
Hfpo Dimer Acid	<b>20,000</b>	<b>3.4</b>	>99.9%
PFMOAA	<b>56,000</b>	<b>22</b>	>99.9%
PFO2HxA	<b>26,000</b>	<b>4.5</b>	>99.9%
PFO3OA	<b>8,700</b>	<2.0	>99.9%
PFO4DA	<b>4,800</b>	<2.0	>99.9%
PFO5DA	<b>2,000</b>	<2.0	>99.9%
PMPA	<b>11,000</b>	<10	>99.9%
PEPA	<b>4,500</b>	<20	>99.9%
PS Acid	<b>2,200</b>	<2.0	>99.9%
Hydro-PS Acid	<b>1,100</b>	<2.0	>99.9%
R-PSDA	<b>2,200 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<b>23,000 J</b>	<b>2.0 J</b>	>99.9%
R-PSDCA	<b>36</b>	<2.0	>99.9%
NVHOS, Acid Form	<b>890</b>	<2.0	>99.9%
EVE Acid	<b>290</b>	<2.0	>99.9%
Hydro-EVE Acid	<b>1,400</b>	<2.0	>99.9%
R-EVE	<b>1,000 J</b>	<2.0	>99.9%
PES	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%
<b>Total Table 3+ (17 compounds)<sup>1,2</sup></b>	<b>140,000</b>	<b>30</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 compounds)<sup>1</sup></b>	<b>170,000</b>	<b>32</b>	<b>&gt;99.9%</b>

**Notes**

1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to

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

3 - Percent removal not calculable due to the elevated reporting limits of the influent sample.

**Bold** - Analyte detected above associated reporting limit.

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

N/A - not applicable

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 3b**  
**Summary of Performance Monitoring Analytical Results - Seep B**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

	SEEP-B-INFLUENT- 336-011423	SEEP-B-EFFLUENT- 336-011423	Percent Removal	SEEP-B-INFLUENT- 336-013023	SEEP-B-EFFLUENT- 336-013023	Percent Removal	SEEP-B-INFLUENT- 306-021323	SEEP-B-EFFLUENT- 306-021323	Percent Removal	SEEP-B-INFLUENT- 306-022823	SEEP-B-EFFLUENT- 306-022823	Percent Removal
	Sample Date: 14-Jan-23	Sample Date: 14-Jan-23		Sample Date: 30-Jan-23	Sample Date: 30-Jan-23		Sample Date: 13-Feb-23	Sample Date: 13-Feb-23		Sample Date: 28-Feb-23	Sample Date: 28-Feb-23	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	19,000	5.7	>99.9%	26,000 J	16	99.9%	41,000	48	99.9%	32,000	36	99.9%
PFMOAA	140,000	68	>99.9%	77,000 J	62 J	99.9%	62,000	68 J	99.9%	89,000	140	99.8%
PFO2HxA	42,000	15	>99.9%	27,000	14 J	>99.9%	25,000	26	99.9%	26,000	40	99.8%
PFO3OA	10,000	3.7	>99.9%	7,400	3.4 J	>99.9%	6,500	6.1	99.9%	6,900	11	99.8%
PFO4DA	1,500	<2.0	>99.9%	1,300	<2.0	>99.9%	1,400	<2.0	>99.9%	1,300	2.6	99.8%
PFO5DA	<78	<2.0	>99.9%	140	<2.0	>99.9%	280	<2.0	>99.9%	160	<2.0	>99.9%
PMPA	23,000	19	99.9%	23,000	24 J	99.9%	29,000	44	99.8%	27,000	59	99.8%
PEPA	8,700	<20	>99.9%	11,000	<20	>99.9%	17,000	<20	>99.9%	14,000	23	99.8%
PS Acid	110	<2.0	>99.9%	590	<2.0	>99.9%	1,900	2.2	99.9%	1,400	2	99.9%
Hydro-PS Acid	550	<2.0	>99.9%	700	<2.0	>99.9%	1,200	<2.0	>99.9%	1,200	<2.0	>99.9%
R-PSDA	2,800 J	<2.0	>99.9%	3,000 J	3.8 J	99.9%	4,800 J	4.3 J	99.9%	4,900 J	12 J	99.8%
Hydrolyzed PSDA	27,000 J	7.3	>99.9%	24,000 J	21 J	99.9%	37,000 J	33 J	99.9%	37,000 J	56 J	99.8%
R-PSDCA	38	<2.0	>99.9%	41	<2.0	>99.9%	63	<2.0	>99.9%	71	<2.0	>99.9%
NVHOS, Acid Form	1,900	<2.0	>99.9%	1,900	<2.0	>99.9%	2,400	3	99.9%	2,400	3.4	99.9%
EVE Acid	22	<2.0	>99.9%	470	<2.0	>99.9%	1,600	<2.0	>99.9%	930	<2.0	>99.9%
Hydro-EVE Acid	1,100	<2.0	>99.9%	1,900	<2.0	>99.9%	2,800	2.7	99.9%	2,900	4.2	99.9%
R-EVE	1,400 J	<2.0	>99.9%	1,800 J	2.6 J	99.9%	2,900 J	3.0 J	99.9%	3,100 J	5.1 J	99.8%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 compounds)<sup>1,2</sup></b>	<b>250,000</b>	<b>110</b>	<b>&gt;99.9%</b>	<b>180,000</b>	<b>120</b>	<b>99.9%</b>	<b>190,000</b>	<b>200</b>	<b>99.9%</b>	<b>210,000</b>	<b>320</b>	<b>99.8%</b>
<b>Total Table 3+ (20 compounds)<sup>1</sup></b>	<b>280,000</b>	<b>120</b>	<b>&gt;99.9%</b>	<b>210,000</b>	<b>150</b>	<b>99.9%</b>	<b>240,000</b>	<b>240</b>	<b>99.9%</b>	<b>250,000</b>	<b>390</b>	<b>99.8%</b>

**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.
- 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.
- ND - No Table 3+ compounds were detected above their associated reporting limits.
- Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"

**Table 3c**  
**Summary of Performance Monitoring Analytical Results - Seep C**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

	SEEP-C-INFLUENT- 336-011423	SEEP-C-EFFLUENT- 336-011423	Percent Removal	SEEP-C-INFLUENT- 336-013023	SEEP-C-EFFLUENT- 336-013023	Percent Removal	SEEP-C-INFLUENT- 306-021323	SEEP-C-EFFLUENT- 306-021323	Percent Removal	SEEP-C-INFLUENT- 306-022823	SEEP-C-EFFLUENT- 306-022823	Percent Removal
	Sample Date: 14-Jan-23	Sample Date: 14-Jan-23		Sample Date: 30-Jan-23	Sample Date: 30-Jan-23		Sample Date: 13-Feb-23	Sample Date: 13-Feb-23		Sample Date: 28-Feb-23	Sample Date: 28-Feb-23	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	20,000	3.5	>99.9%	15,000	13	99.9%	16,000	8.5	>99.9%	17,000	120	99.3%
PFMOAA	53,000	22	>99.9%	29,000	36 J	99.9%	32,000	35	99.9%	42,000	270	99.4%
PFO2HxA	24,000	6.3	>99.9%	15,000	13 J	99.9%	16,000	7.7	>99.9%	17,000	110	99.4%
PFO3OA	7,800	<2.0	>99.9%	5,100	4.5 J	99.9%	5,700	2	>99.9%	5,800	38	99.3%
PFO4DA	2,600	<2.0	>99.9%	1,800	<2.0	>99.9%	2,000	<2.0	>99.9%	1,900	12	99.4%
PFO5DA	<78	<2.0	>99.9%	<78	<2.0	>99.9%	79	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	8,300	<10	>99.9%	5,300	<10	>99.9%	6,200	18	99.7%	6,400	87	98.6%
PEPA	2,600	<20	>99.9%	1,700	<20	>99.9%	2,100	<20	>99.9%	2,300	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	370	<2.0	>99.9%	230	<2.0	>99.9%	290	<2.0	>99.9%	370	2.3	99.4%
R-PSDA	780 J	<2.0	>99.9%	550 J	<2.0	>99.9%	620 J	<2.0	>99.9%	850 J	7.4 J	99.1%
Hydrolyzed PSDA	920 J	<2.0	>99.9%	520 J	<2.0	>99.9%	700 J	<2.0	>99.9%	820 J	8.7 J	98.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	670	<2.0	>99.9%	410	<2.0	>99.9%	540	<2.0	>99.9%	570	3.8	99.3%
EVE Acid	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	1,400	<2.0	>99.9%	1,100	<2.0	>99.9%	1,000	<2.0	>99.9%	1,300	8.8	99.3%
R-EVE	840 J	<2.0	>99.9%	520 J	<2.0	>99.9%	590 J	<2.0	>99.9%	790 J	7.4 J	99.1%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 compounds)<sup>1,2</sup></b>	<b>120,000</b>	<b>32</b>	<b>&gt;99.9%</b>	<b>75,000</b>	<b>67</b>	<b>99.9%</b>	<b>82,000</b>	<b>71</b>	<b>99.9%</b>	<b>95,000</b>	<b>650</b>	<b>99.3%</b>
<b>Total Table 3+ (20 compounds)<sup>1</sup></b>	<b>120,000</b>	<b>32</b>	<b>&gt;99.9%</b>	<b>76,000</b>	<b>67</b>	<b>99.9%</b>	<b>84,000</b>	<b>71</b>	<b>99.9%</b>	<b>97,000</b>	<b>680</b>	<b>99.3%</b>

**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.

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.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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



**Table 3d**  
**Summary of Performance Monitoring Analytical Results - Seep D**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

	SEEP-D-INFLUENT- 336-011423  Sample Date: 14-Jan-23	SEEP-D-EFFLUENT- 336-011423  Sample Date: 14-Jan-23	Percent Removal	SEEP-D-INFLUENT- 336-013023  Sample Date: 30-Jan-23	SEEP-D-EFFLUENT- 336-013023  Sample Date: 30-Jan-23	Percent Removal	SEEP-D-INFLUENT- 306-021323  Sample Date: 13-Feb-23	SEEP-D-EFFLUENT- 306-021323  Sample Date: 13-Feb-23	Percent Removal	SEEP-D-INFLUENT- 306-022823  Sample Date: 28-Feb-23	SEEP-D-EFFLUENT- 306-022823  Sample Date: 28-Feb-23	Percent Removal
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	15,000	<2.0	>99.9%	14,000	3.2	>99.9%	15,000 J	<2.0	>99.9%	15,000	4.8	>99.9%
PFMOAA	55,000	5	>99.9%	47,000	8.4 J	>99.9%	43,000 J	<2.0	>99.9%	49,000	160	99.7%
PFO2HxA	24,000	<2.0	>99.9%	21,000	3.0 J	>99.9%	18,000 J	<2.0	>99.9%	17,000	13	99.9%
PFO3OA	7,400	<2.0	>99.9%	6,900	<2.0	>99.9%	6,200 J	<2.0	>99.9%	6,100	2	>99.9%
PFO4DA	2,300	<2.0	>99.9%	2,100	<2.0	>99.9%	1,700	<2.0	>99.9%	1,700	<2.0	>99.9%
PFO5DA	90 J	<2.0	>99.9%	120	<2.0	>99.9%	98	<2.0	>99.9%	110	<2.0	>99.9%
PMPA	7,200	<10	>99.9%	6,000	<10	>99.9%	6,100 J	<10	>99.9%	5,900	25	99.6%
PEPA	2,300	<20	>99.9%	2,000	<20	>99.9%	1,800 J	<20	>99.9%	1,900	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	320	<2.0	>99.9%	280	<2.0	>99.9%	240 J	<2.0	>99.9%	270	<2.0	>99.9%
R-PSDA	910 J	<2.0	>99.9%	790 J	<2.0	>99.9%	760 J	<2.0	>99.9%	900 J	<2.0	>99.9%
Hydrolyzed PSDA	2,000 J	<2.0	>99.9%	1,700 J	<2.0	>99.9%	1,900 J	<2.0	>99.9%	1,800 J	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17 UJ	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	710	<2.0	>99.9%	600	<2.0	>99.9%	630 J	<2.0	>99.9%	600	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<17	<2.0	>99.9%	<17 UJ	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	1,200	<2.0	>99.9%	1,200	<2.0	>99.9%	1,100	<2.0	>99.9%	1,300	<2.0	>99.9%
R-EVE	910 J	<2.0	>99.9%	760 J	<2.0	>99.9%	710 J	<2.0	>99.9%	860 J	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%	<6.7 UJ	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 compounds)<sup>1,2</sup></b>	<b>120,000</b>	<b>5</b>	<b>&gt;99.9%</b>	<b>100,000</b>	<b>15</b>	<b>&gt;99.9%</b>	<b>94,000</b>	<b>ND</b>	<b>&gt;99.9%</b>	<b>99,000</b>	<b>200</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 compounds)<sup>1</sup></b>	<b>120,000</b>	<b>5</b>	<b>&gt;99.9%</b>	<b>100,000</b>	<b>15</b>	<b>&gt;99.9%</b>	<b>97,000</b>	<b>ND</b>	<b>&gt;99.9%</b>	<b>100,000</b>	<b>200</b>	<b>&gt;99.9%</b>

**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.

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

N/A - not applicable

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 4a**  
**Summary of Wet Weather Analytical Results - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	SEEP-A-INFLUENT- RAIN-24-012323	SEEP-A-EFFLUENT- RAIN-24-012323	Percent Removal	SEEP-A-INFLUENT- RAIN-24-020323	SEEP-A-EFFLUENT- RAIN-24-020323	Percent Removal
	Sample Date: 23-Jan-23	Sample Date: 23-Jan-23		Sample Date: 03-Feb-23	Sample Date: 03-Feb-23	
Hfpo Dimer Acid	<b>16,000</b>	<2.0	>99.9%	<b>14,000</b>	<b>3.2</b>	>99.9%
PFMOAA	<b>43,000 J</b>	<2.0	>99.9%	<b>32,000</b>	<b>33</b>	99.9%
PFO2HxA	<b>21,000</b>	<b>3.4</b>	>99.9%	<b>19,000</b>	<b>4.9</b>	>99.9%
PFO3OA	<b>5,900</b>	<2.0	>99.9%	<b>6,600</b>	<2.0	>99.9%
PFO4DA	<b>2,700</b>	<2.0	>99.9%	<b>2,800</b>	<2.0	>99.9%
PFO5DA	<b>830</b>	<2.0	>99.9%	<b>1,200</b>	<2.0	>99.9%
PMPA	<b>8,800</b>	<10	>99.9%	<b>7,500</b>	<10	>99.9%
PEPA	<b>3,300</b>	<20	>99.9%	<b>3,000</b>	<20	>99.9%
PS Acid	<b>1400</b>	<2.0	>99.9%	<b>1,600</b>	<2.0	>99.9%
Hydro-PS Acid	<b>540</b>	<2.0	>99.9%	<b>550</b>	<2.0	>99.9%
R-PSDA	<b>920 J</b>	<2.0	>99.9%	<b>1,200 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<b>9,500 J</b>	<2.0	>99.9%	<b>9,600 J</b>	<b>2.9 J</b>	>99.9%
R-PSDCA	<b>19</b>	<2.0	>99.9%	<b>20</b>	<2.0	>99.9%
NVHOS, Acid Form	<b>630</b>	<2.0	>99.9%	<b>540</b>	<2.0	>99.9%
EVE Acid	<b>130</b>	<2.0	>99.9%	<b>180</b>	<2.0	>99.9%
Hydro-EVE Acid	<b>600</b>	<2.0	>99.9%	<b>750</b>	<2.0	>99.9%
R-EVE	<b>380 J</b>	<2.0	>99.9%	<b>460 J</b>	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 Compounds)<sup>1,2</sup></b>	<b>100,000</b>	<b>3.4</b>	<b>&gt;99.9%</b>	<b>90,000</b>	<b>41</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 Compounds)<sup>1</sup></b>	<b>120,000</b>	<b>3.4</b>	<b>&gt;99.9%</b>	<b>100,000</b>	<b>44</b>	<b>&gt;99.9%</b>

**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.

**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.

NA - Constituent not analyzed

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 4b**  
**Summary of Wet Weather Analytical Results - Seep B**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	SEEP-B-INFLUENT- RAIN-24-012323	SEEP-B-EFFLUENT- RAIN-24-012323	Percent Removal	SEEP-B-INFLUENT- RAIN-24-020323	SEEP-B-EFFLUENT- RAIN-24-020323	Percent Removal
	Sample Date: 23-Jan-23	Sample Date: 23-Jan-23		Sample Date: 03-Feb-23	Sample Date: 03-Feb-23	
Hfpo Dimer Acid	<b>21,000</b>	<2.0	>99.9%	<b>25,000</b>	<b>5.2</b>	>99.9%
PFMOAA	<b>89,000</b>	<b>5.6</b>	>99.9%	<b>37,000</b>	<b>31 J</b>	99.9%
PFO2HxA	<b>30,000</b>	<b>2.4</b>	>99.9%	<b>18,000</b>	<b>4.4</b>	>99.9%
PFO3OA	<b>7,000</b>	<2.0	>99.9%	<b>4,900</b>	<2.0	>99.9%
PFO4DA	<b>1,400</b>	<2.0	>99.9%	<b>1,300</b>	<2.0	>99.9%
PFO5DA	<b>100</b>	<2.0	>99.9%	<b>280</b>	<2.0	>99.9%
PMPA	<b>20,000</b>	<10	>99.9%	<b>23,000</b>	<b>10</b>	>99.9%
PEPA	<b>8,200</b>	<20	>99.9%	<b>13,000</b>	<20	>99.9%
PS Acid	<b>200</b>	<2.0	>99.9%	<b>1,100</b>	<2.0	>99.9%
Hydro-PS Acid	<b>520</b>	<2.0	>99.9%	<b>810</b>	<2.0	>99.9%
R-PSDA	<b>2,300 J</b>	<2.0	>99.9%	<b>2,800 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<b>20,000 J</b>	<2.0	>99.9%	<b>15,000 J</b>	<b>3.4 J</b>	>99.9%
R-PSDCA	<b>30</b>	<2.0	>99.9%	<b>52</b>	<2.0	>99.9%
NVHOS, Acid Form	<b>1,400</b>	<2.0	>99.9%	<b>1,400</b>	<2.0	>99.9%
EVE Acid	<b>100</b>	<2.0	>99.9%	<b>850</b>	<2.0	>99.9%
Hydro-EVE Acid	<b>950</b>	<2.0	>99.9%	<b>2,000</b>	<2.0	>99.9%
R-EVE	<b>1,200 J</b>	<2.0	>99.9%	<b>1,900 J</b>	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 Compounds)<sup>1,2</sup></b>	<b>180,000</b>	<b>8</b>	<b>&gt;99.9%</b>	<b>130,000</b>	<b>51</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 Compounds)<sup>1</sup></b>	<b>200,000</b>	<b>8</b>	<b>&gt;99.9%</b>	<b>150,000</b>	<b>54</b>	<b>&gt;99.9%</b>

**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.

**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.

NA - Constituent not analyzed

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 4c**  
**Summary of Wet Weather Analytical Results - Seep C**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	SEEP-C-INFLUENT- RAIN-24-012323	SEEP-C-EFFLUENT- RAIN-24-012323	Percent Removal	SEEP-C-INFLUENT- RAIN-24-020323	SEEP-C-EFFLUENT- RAIN-24-020323	Percent Removal
	Sample Date: 23-Jan-23	Sample Date: 23-Jan-23		Sample Date: 03-Feb-23	Sample Date: 03-Feb-23	
Hfpo Dimer Acid	<b>13,000</b>	<b>310</b>	97.6%	<b>7,600</b>	<b>8.3</b>	99.9%
PFMOAA	<b>37,000</b>	<b>25</b>	99.9%	<b>19,000</b>	<b>15</b>	99.9%
PFO2HxA	<b>16,000</b>	<b>17</b>	99.9%	<b>9,300</b>	<b>6</b>	99.9%
PFO3OA	<b>4,800</b>	<b>4.6</b>	99.9%	<b>3,200</b>	<2.0	>99.9%
PFO4DA	<b>1,800</b>	<2.0	>99.9%	<b>1,200</b>	<2.0	>99.9%
PFO5DA	<78	<2.0	>99.9%	<78	<2.0	>99.9%
PMPA	<b>5,700</b>	<b>12</b>	99.8%	<b>3,400</b>	<10	>99.9%
PEPA	<b>1,800</b>	<20	>99.9%	<b>1,200</b>	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	<b>290</b>	<2.0	>99.9%	<b>190</b>	<2.0	>99.9%
R-PSDA	<b>660 J</b>	<2.0	>99.9%	<b>360 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<b>650 J</b>	<2.0	>99.9%	<b>310 J</b>	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	<b>440</b>	<2.0	>99.9%	<b>270</b>	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	<b>1,100</b>	<2.0	>99.9%	<b>760</b>	<2.0	>99.9%
R-EVE	<b>540 J</b>	<2.0	>99.9%	<b>340 J</b>	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 Compounds)<sup>1,2</sup></b>	<b>82,000</b>	<b>370</b>	<b>99.5%</b>	<b>46,000</b>	<b>29</b>	<b>99.9%</b>
<b>Total Table 3+ (20 Compounds)<sup>1</sup></b>	<b>84,000</b>	<b>370</b>	<b>99.6%</b>	<b>47,000</b>	<b>29</b>	<b>99.9%</b>

**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.

**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.

NA - Constituent not analyzed

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 4d**  
**Summary of Wet Weather Analytical Results - Seep D**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	SEEP-D-INFLUENT- RAIN-24-012323	SEEP-D-EFFLUENT- RAIN-24-012323	Percent Removal	SEEP-D-INFLUENT- RAIN-24-020323	SEEP-D-EFFLUENT- RAIN-24-020323	Percent Removal
	Sample Date: 23-Jan-23	Sample Date: 23-Jan-23		Sample Date: 03-Feb-23	Sample Date: 03-Feb-23	
Hfpo Dimer Acid	<b>15,000</b>	<2.0	>99.9%	<b>13,000</b>	<2.0	>99.9%
PFMOAA	<b>56,000</b>	<2.0	>99.9%	<b>45,000</b>	<2.0	>99.9%
PFO2HxA	<b>22,000</b>	<2.0	>99.9%	<b>20,000</b>	<2.0	>99.9%
PFO3OA	<b>6,400</b>	<2.0	>99.9%	<b>6,600</b>	<2.0	>99.9%
PFO4DA	<b>1,800</b>	<2.0	>99.9%	<b>2,100</b>	<2.0	>99.9%
PFO5DA	<b>100</b>	<2.0	>99.9%	<b>110</b>	<2.0	>99.9%
PMPA	<b>6,500</b>	<10	>99.9%	<b>5,600</b>	<10	>99.9%
PEPA	<b>1,900</b>	<20	>99.9%	<b>1,800</b>	<20	>99.9%
PS Acid	<20	<2.0	>99.9%	<20	<2.0	>99.9%
Hydro-PS Acid	<b>280</b>	<2.0	>99.9%	<b>250</b>	<2.0	>99.9%
R-PSDA	<b>710 J</b>	<2.0	>99.9%	<b>740 J</b>	<2.0	>99.9%
Hydrolyzed PSDA	<b>1,800 J</b>	<2.0	>99.9%	<b>1,600 J</b>	<2.0	>99.9%
R-PSDCA	<17	<2.0	>99.9%	<17	<2.0	>99.9%
NVHOS, Acid Form	<b>620</b>	<2.0	>99.9%	<b>560</b>	<2.0	>99.9%
EVE Acid	<17	<2.0	>99.9%	<17	<2.0	>99.9%
Hydro-EVE Acid	<b>1,200</b>	<2.0	>99.9%	<b>1,200</b>	<2.0	>99.9%
R-EVE	<b>570 J</b>	<2.0	>99.9%	<b>670 J</b>	<2.0	>99.9%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7	<2.0	>99.9%	<6.7	<2.0	>99.9%
PFECA B	<27	<2.0	>99.9%	<27	<2.0	>99.9%
PFECA-G	<48	<2.0	>99.9%	<48	<2.0	>99.9%
<b>Total Table 3+ (17 Compounds)<sup>1,2</sup></b>	<b>110,000</b>	<b>ND</b>	<b>&gt;99.9%</b>	<b>96,000</b>	<b>ND</b>	<b>&gt;99.9%</b>
<b>Total Table 3+ (20 Compounds)<sup>1</sup></b>	<b>110,000</b>	<b>ND</b>	<b>&gt;99.9%</b>	<b>99,000</b>	<b>ND</b>	<b>&gt;99.9%</b>

**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.

**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.

NA - Constituent not analyzed

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

ND - No Table 3+ compounds were detected above their associated reporting limits.

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

**Table 5**  
**Cape Fear River Elevation and Local Precipitation Statistics**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, NC

Seep	# of Days of Operation on Record	Percent of Operation Over Lifetime of System <sup>[2]</sup>			
		River Above FTC Wall Elevation	River Above Bypass Spillway Elevation	River Above GAC Elevation	River Above Discharge Pipe Invert Elevation
C	805	1.8%	2.3%	4.4%	10.8%
A	672	0.4%	0.5%	1.2%	3.7%
B	631	0.4%	0.4%	0.8%	2.5%
D	615	0.4%	0.5%	1.3%	4.2%
Historical Annual Average (2007-2020) <sup>[3,4]</sup>		1.7%	2.2%	3.7%	9.6%

Precipitation (inches)	
Current Reporting Period (January - February 2023)	6.59
Current Reporting Period Historical Average (January - February 2004-2020) <sup>[4]</sup>	5.17
2023 Year-to-Date	6.59
Historical Year-to-Date Average (2004-2020) <sup>[4]</sup>	5.17
Historical Annual Average (2004-2020) <sup>[4]</sup>	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 6a**  
**Water Quality Data - Seep A**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
1/14/2023 <sup>[3]</sup>	0.8	1.1	0.3	7.0	6.9	-0.1	3,323.8	3,127.8	-196.0	12.3	12.1	-0.2	8.62	0.30	-8.32	4.8	<1.1	-4.8
2/1/2023	9.3	9.2	-0.1	6.9	7.7	0.8	155.6	148.5	-7.1	13.2	13.3	0.1	26.53	0.00	-26.53	62	1.2 J	-60.8
2/13/2023	7.9	7.1	-0.8	5.4	5.7	0.3	140.8	122.5	-18.3	17.5	17.8	0.2	39.58	12.48	-27.10	22	<1.1	-22.0
2/28/2023	8.5	8.3	-0.2	8.8	7.8	-1.0	253.1	165.4	-87.7	23.2	22.7	-0.5	13.77	1.03	-12.74	30	<1.1	-30.0
<i>Average</i>	<i>8.6</i>	<i>8.2</i>	<i>-0.4</i>	<i>7.0</i>	<i>7.1</i>	<i>0.1</i>	<i>183</i>	<i>145</i>	<i>-37.7</i>	<i>18.0</i>	<i>17.9</i>	<i>-0.1</i>	<i>26.63</i>	<i>4.50</i>	<i>-22.13</i>	<i>29.7</i>	<i>0.3</i>	<i>-29.4</i>
<i>Median</i>	<i>8.5</i>	<i>8.3</i>	<i>-0.2</i>	<i>6.9</i>	<i>7.7</i>	<i>0.8</i>	<i>156</i>	<i>149</i>	<i>-7.1</i>	<i>17.5</i>	<i>17.8</i>	<i>0.3</i>	<i>26.53</i>	<i>1.03</i>	<i>-25.50</i>	<i>26.0</i>	<i>0.0</i>	<i>-26.0</i>

Notes:

- [1] TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
  - [2] Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
  - [3] The January 14 field measurements for DO, pH, specific conductance, temperature, and turbidity appear to be outliers, as they differed considerably from historical results and, therefore, were omitted from statistical calculations. The January 14 TSS results were not omitted from statistical calculations because TSS was not a field measurement.
- J Analyte detected. Reported value may not be accurate or precise.
- DO dissolved oxygen  
 mg/L milligrams per liter  
 SU standard units  
 NTU nephelometric turbidity units  
 µS/cm microSiemens per centimeter  
 TSS total suspended solids

**Table 6b**  
**Water Quality Data - Seep B**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
1/14/2023 <sup>[3]</sup>	1.2	1.3	0.1	7.7	7.4	-0.3	12.1	2,874.1	2,862.0	12.4	12.2	-0.2	3,043.81	0.17	-3,043.64	4	<1.1	-4.0
1/30/2023	5.1	5.2	0.1	6.9	7.5	0.6	142.7	146.6	3.9	12.9	12.7	-12.8	139.23	5.32	-133.91	50	<1.1	-50.0
2/13/2023	7.1	7.2	0.1	5.9	6.5	0.6	103.9	89.1	-14.8	17.6	17.8	0.1	468.42	213.69	-254.73	180	6.4	-173.6
2/28/2023	8.7	8.8	0.1	7.3	7.0	-0.3	128.6	128.8	0.2	22.8	22.6	-0.2	18.05	0.09	-17.96	14	<1.1	-14.0
<i>Average</i>	<i>7.0</i>	<i>7.1</i>	<i>0.1</i>	<i>6.7</i>	<i>7.0</i>	<i>0.3</i>	<i>125</i>	<i>122</i>	<i>-3.6</i>	<i>17.8</i>	<i>17.7</i>	<i>-0.1</i>	<i>208.57</i>	<i>73.03</i>	<i>-135.54</i>	<i>62.0</i>	<i>1.6</i>	<i>-60.4</i>
<i>Median</i>	<i>7.1</i>	<i>7.2</i>	<i>0.1</i>	<i>6.9</i>	<i>7.0</i>	<i>0.1</i>	<i>129</i>	<i>129</i>	<i>0.2</i>	<i>17.6</i>	<i>17.8</i>	<i>0.2</i>	<i>139.23</i>	<i>5.32</i>	<i>-133.91</i>	<i>32.0</i>	<i>0.0</i>	<i>-32.0</i>

Notes:

- [1] TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
- [2] Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
- [3] The January 14 field measurements for DO, pH, specific conductance, temperature, and turbidity appear to be outliers, as they differed considerably from historical results and, therefore, were omitted from statistical calculations. The January 14 TSS results were not omitted from statistical calculations because TSS was not a field measurement.

DO dissolved oxygen  
 mg/L milligrams per liter  
 SU standard units  
 NTU nephelometric turbidity units  
 µS/cm microSiemens per centimeter  
 TSS total suspended solids



**Table 6c**  
**Water Quality Data - Seep C**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
1/14/2023 <sup>[3]</sup>	1.4	0.9	-0.5	8.1	8.3	0.2	2,826.0	3,108.1	282.0	12.4	11.7	-0.7	27.98	0.87	-27.11	7.2	<1.1	-7.2
1/30/2023	8.0	7.6	-0.4	6.0	7.0	1.0	145.2	107.4	-37.8	12.7	12.5	-0.2	387.08	113.70	-273.38	32	<1.1	-32.0
2/13/2023	7.5	6.8	-0.7	6.4	6.1	-0.3	94.9	95.3	0.3	17.3	17.4	0.1	372.14	151.68	-220.46	94	8.4	-85.6
2/28/2023	8.6	8.8	0.2	7.0	6.9	-0.1	126.7	146.3	19.5	22.6	22.5	0.0	21.35	3.82	-17.53	8.4	<1.1	-8.4
<i>Average</i>	<i>8.0</i>	<i>7.7</i>	<i>-0.3</i>	<i>6.5</i>	<i>6.7</i>	<i>0.2</i>	<i>122</i>	<i>116</i>	<i>-6.0</i>	<i>17.5</i>	<i>17.5</i>	<i>0.0</i>	<i>260.19</i>	<i>89.73</i>	<i>-170.46</i>	<i>35.4</i>	<i>2.1</i>	<i>-33.3</i>
<i>Median</i>	<i>8.0</i>	<i>7.6</i>	<i>-0.4</i>	<i>6.4</i>	<i>6.9</i>	<i>0.5</i>	<i>127</i>	<i>107</i>	<i>-19.3</i>	<i>17.3</i>	<i>17.4</i>	<i>0.1</i>	<i>372.14</i>	<i>113.70</i>	<i>-258.44</i>	<i>20.2</i>	<i>0.0</i>	<i>-20.2</i>

Notes:

- [1] TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
- [2] Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
- [3] The January 14 field measurements for DO, pH, specific conductance, temperature, and turbidity appear to be outliers, as they differed considerably from historical results and, therefore, were omitted from statistical calculations. The January 14 TSS results were not omitted from statistical calculations because TSS was not a field measurement.

DO dissolved oxygen  
 mg/L milligrams per liter  
 SU standard units  
 NTU nephelometric turbidity units  
 µS/cm microSiemens per centimeter  
 TSS total suspended solids

**Table 6d**  
**Water Quality Data - Seep D**  
**Reporting Period 13 (Jan - Feb 2023)**  
 Chemours Fayetteville Works  
 Fayetteville, North Carolina

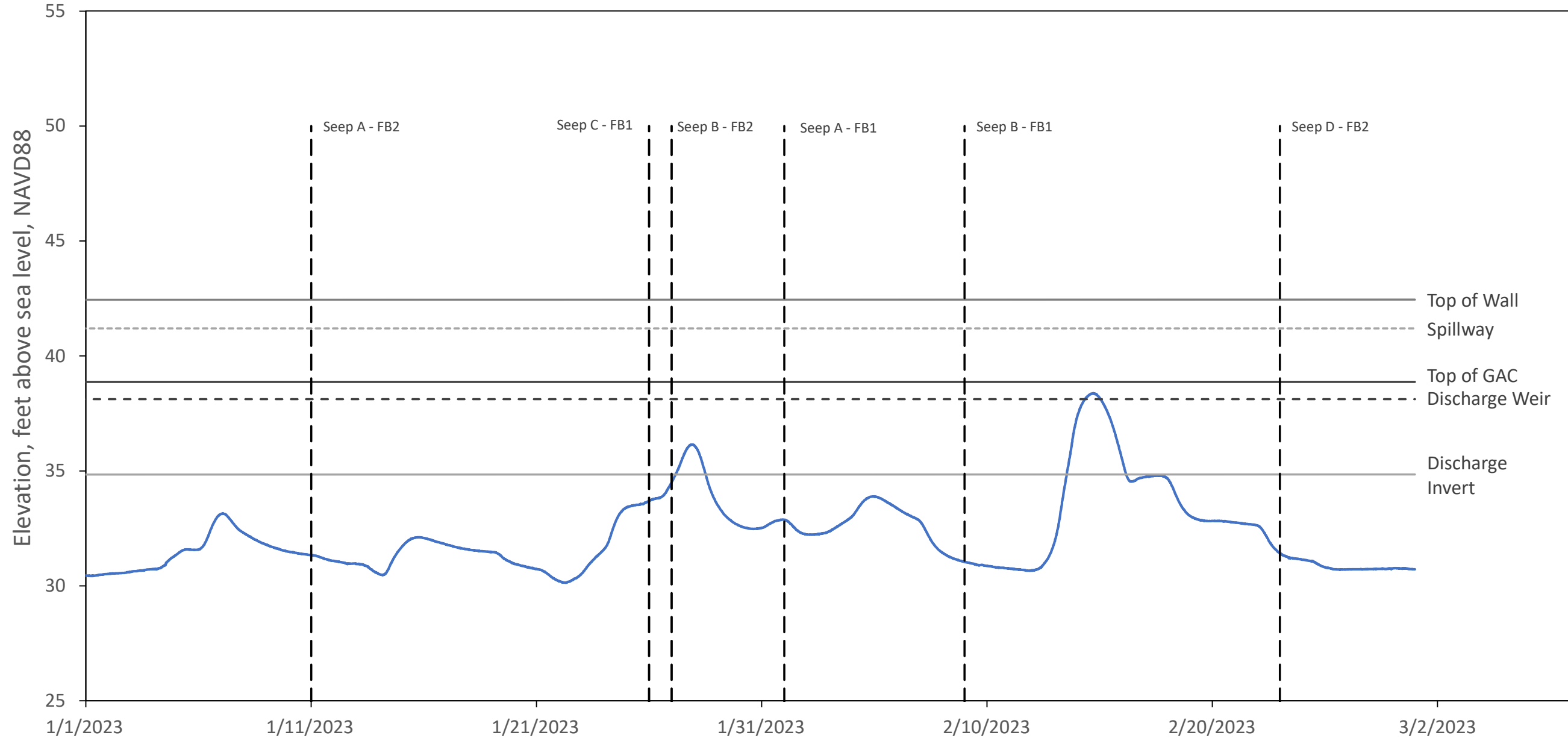
Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
1/14/2023 <sup>[3]</sup>	0.2	0.4	0.2	9.6	8.6	-1.0	4,465.2	3,797.1	-668.2	13.4	12.5	-0.9	1.79	0.00	-1.79	1.6 J	1.6 J	0.0
1/30/2023	7.9	7.8	-0.1	5.6	6.0	0.4	387.7	273.6	-114.1	13.5	13.0	-0.5	135.52	2.65	-132.87	13	1.6 J	-11.4
2/13/2023	7.1	7.3	0.2	5.0	6.2	1.2	164.5	219.4	54.9	17.2	17.3	0.1	2.55	0.06	-2.49	10	1.6 J	-8.4
2/28/2023	8.8	8.8	0.0	5.0	5.5	0.5	186.4	143.0	-43.4	22.9	22.8	-0.1	9.98	0.55	-9.43	1.2 J	2.4 J	1.2
<i>Average</i>	<i>7.9</i>	<i>8.0</i>	<i>0.1</i>	<i>5.2</i>	<i>5.9</i>	<i>0.7</i>	<i>246</i>	<i>212</i>	<i>-34.2</i>	<i>17.9</i>	<i>17.7</i>	<i>-0.2</i>	<i>49.35</i>	<i>1.09</i>	<i>-48.26</i>	<i>6.5</i>	<i>1.8</i>	<i>-4.7</i>
<i>Median</i>	<i>7.9</i>	<i>7.8</i>	<i>-0.1</i>	<i>5.0</i>	<i>6.0</i>	<i>1.0</i>	<i>186</i>	<i>219</i>	<i>33.0</i>	<i>17.2</i>	<i>17.3</i>	<i>0.1</i>	<i>9.98</i>	<i>0.55</i>	<i>-9.43</i>	<i>5.8</i>	<i>1.6</i>	<i>-4.2</i>

Notes:

- [1] TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.
  - [2] Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.
  - [3] The January 14 field measurements for DO, pH, specific conductance, temperature, and turbidity appear to be outliers, as they differed considerably from historical results and, therefore, were omitted from statistical calculations. The January 14 TSS results were not omitted from statistical calculations because TSS was not a field measurement.
- J Analyte detected. Reported value may not be accurate or precise.
- DO dissolved oxygen
- mg/L milligrams per liter
- SU standard units
- NTU nephelometric turbidity units
- µS/cm microSiemens per centimeter
- TSS total suspended solids

# FIGURES

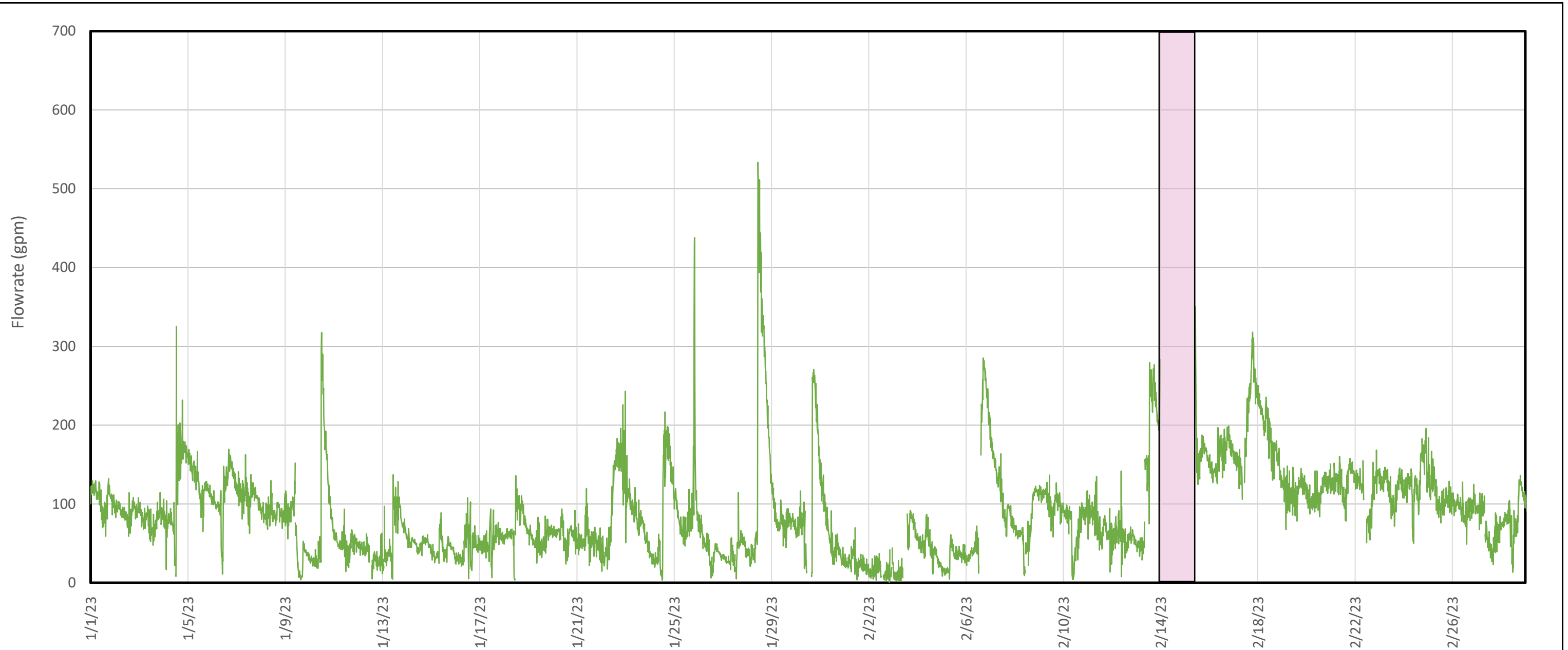
River Elevation During Flow Through Cell Operation (01/01/2023 through 02/28/2023)



**Legend**  
 — River  
 - - GAC Changeout

**Notes:**  
 As-built survey information for Seep C from RMA Surveying October 2020.  
 River elevation from USGS Huske Lock and Dam site 02105500, converted to NAVD88.  
 For clarity of presentation, Figure 1 shows Seep C elevations only.  
 FB1/FB2 = Filter Bed 1/Filter Bed 2  
 GAC = Granular Activated Carbon

<b>River Level &amp; FTC As-Built Elevations</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec <sup>®</sup> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure</b>  <b>1</b>	



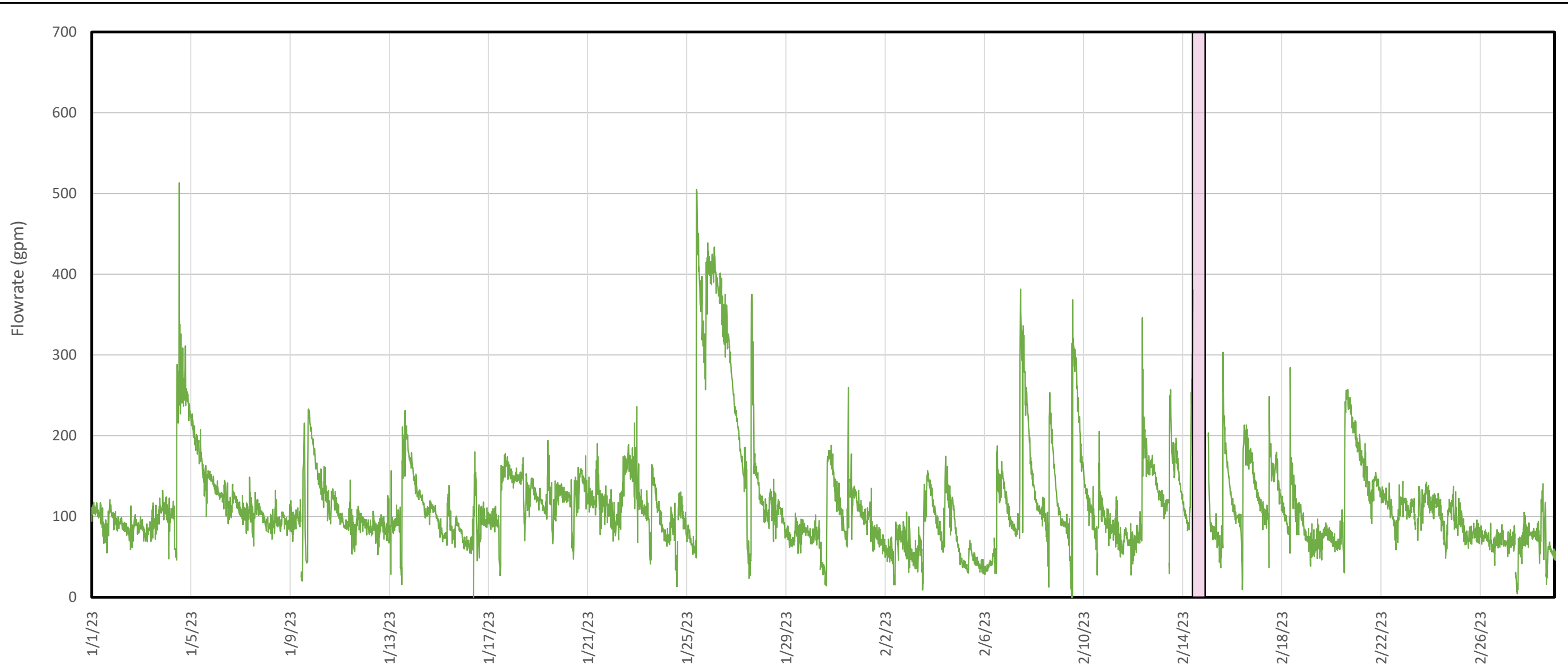
**Legend**  
— Measured Discharge Flowrate  
 Cape Fear River Above Discharge Weir Elevation

**Flowrate Statistics (gpm)**  
 (01/01 - 02/28) Since Startup

Median	81	84
95 <sup>th</sup> percentile	193	251
Max	533	882

**Notes:**  
 gpm - gallons per minute  
 GAC - granular activated carbon  
 Figure 2a depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From February 14 to 15, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

<b>Measured Discharge Flowrate (Jan - Feb 2023) - Seep A</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
Figure 2a	



**Legend**  
 — Measured Discharge Flowrate  
 ■ Cape Fear River Above Discharge Weir Elevation

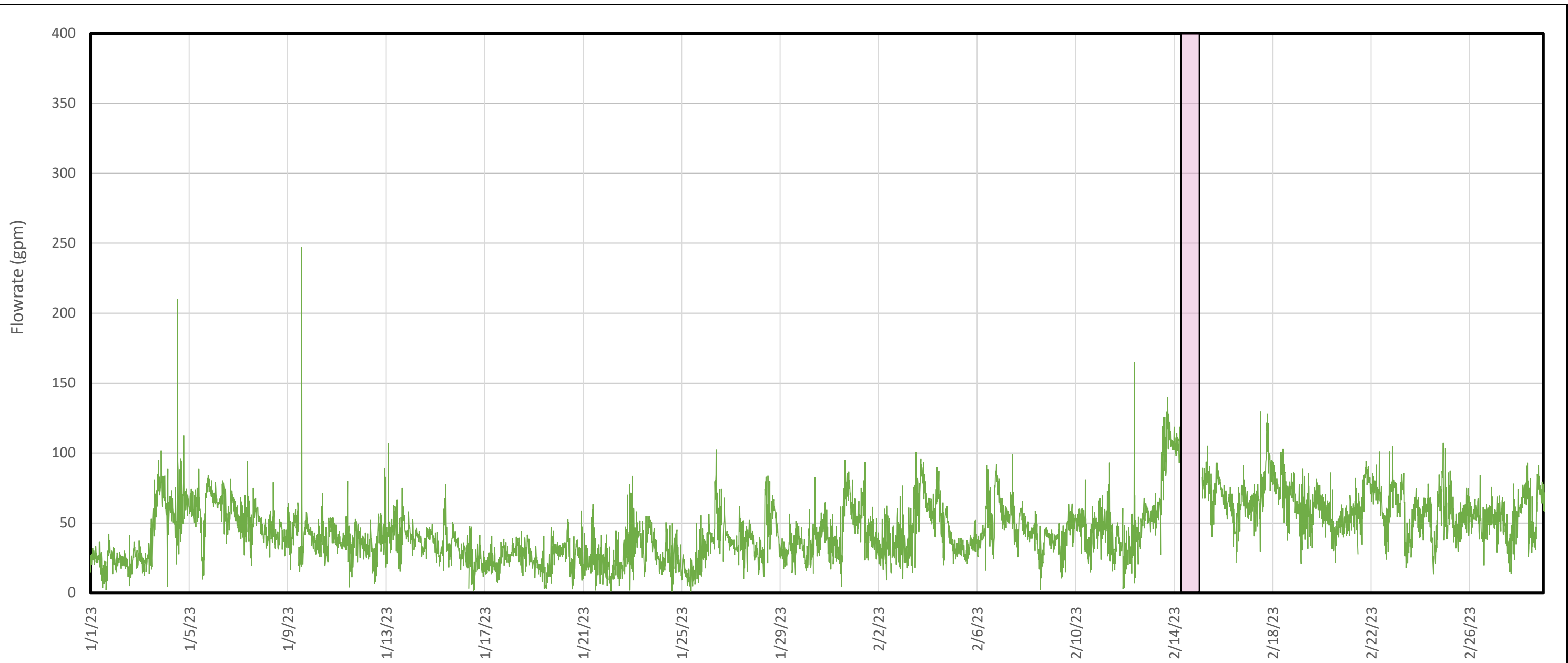
**Flowrate Statistics (gpm)**

	(01/01 - 02/28)	Since Startup
Median	104	122
95 <sup>th</sup> percentile	263	266
Max	513	1,153

**Notes:**  
 gpm - gallons per minute  
 GAC - granular activated carbon  
 Figure 2b depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data.  
 From February 14 to 15, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

<b>Measured Discharge Flowrate          (Jan - Feb 2023) - Seep B</b> Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C.          NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023

Figure  
2b



**Legend**

- Measured Discharge Flowrate
- Cape Fear River Above Discharge Weir Elevation

**Flowrate Statistics (gpm)**

	(01/01 - 02/28)	Since Startup
Median	37	53
95 <sup>th</sup> percentile	72	136
Max	247	372

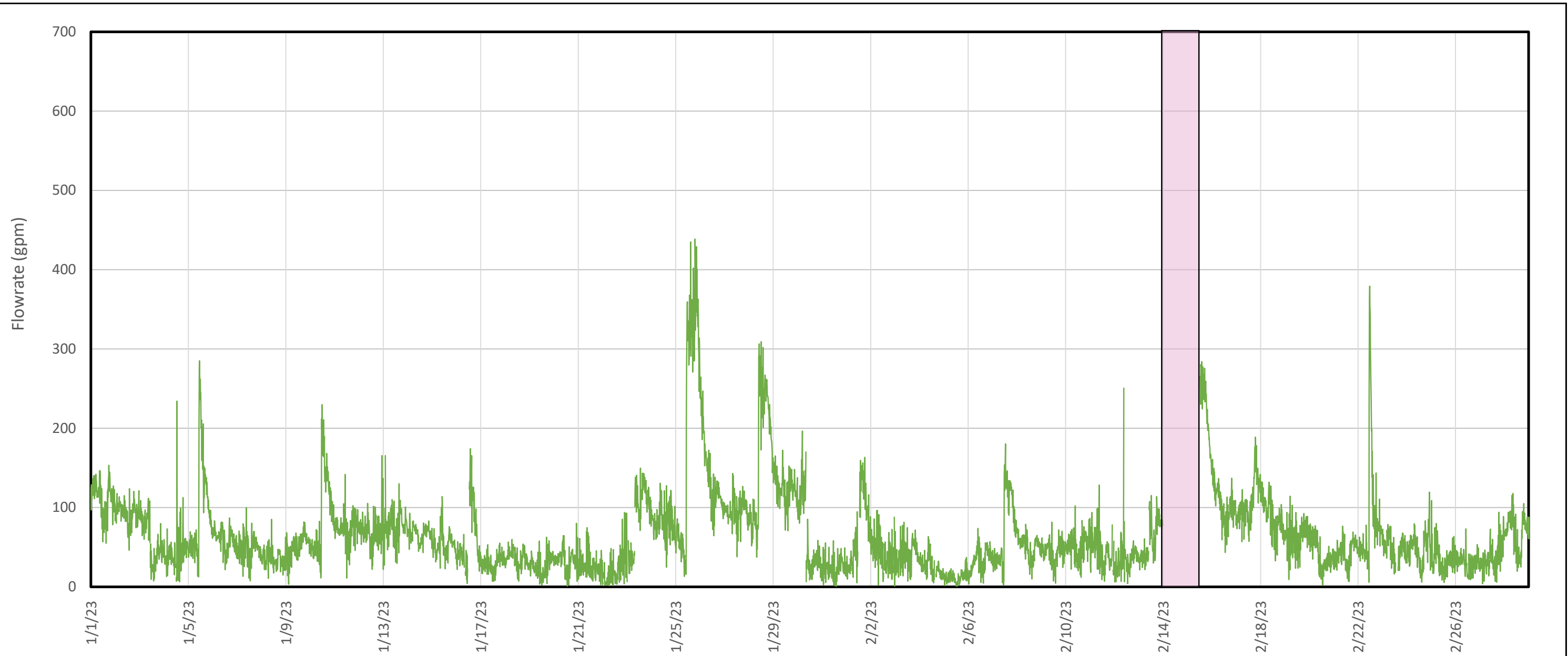
**Notes:**

gpm - gallons per minute

GAC - granular activated carbon

Figure 2c depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From February 14 to 15, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

<b>Measured Discharge Flowrate (Jan - Feb 2023) - Seep C</b>		<b>Figure 2c</b>
Chemours Fayetteville Works Fayetteville, North Carolina		
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>	
Raleigh, NC	March 2023	



- Legend**
- Measured Discharge Flowrate
  - Cape Fear River Above Discharge Weir Elevation

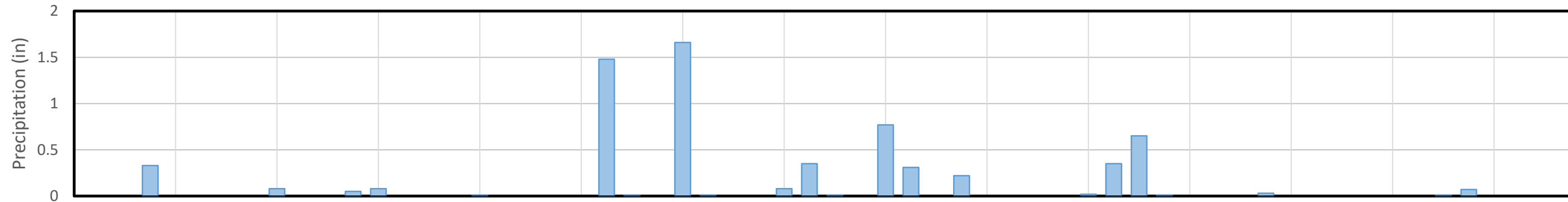
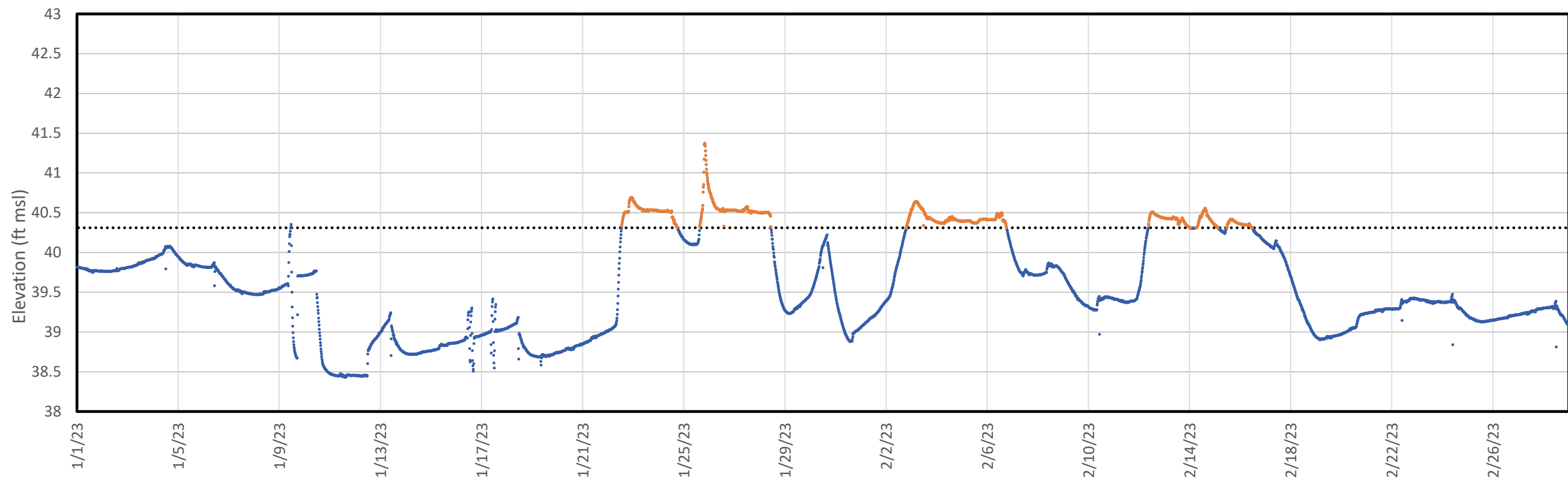
**Flowrate Statistics (gpm)**

	(01/01 - 02/28)	Since Startup
Median	53	83
95 <sup>th</sup> percentile	150	263
Max	439	836

**Notes:**  
 gpm - gallons per minute  
 GAC - granular activated carbon  
 Figure 2d depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From February 14 to 15, 2023, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

<b>Measured Discharge Flowrate (Jan - Feb 2023) - Seep D</b>		<b>Figure 2d</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 2023	

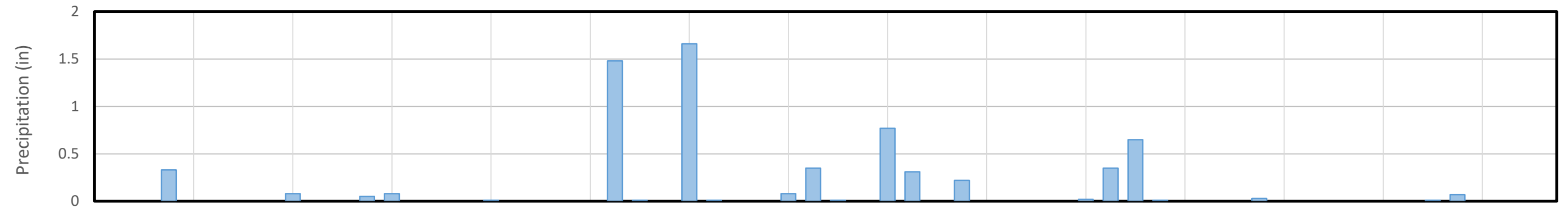
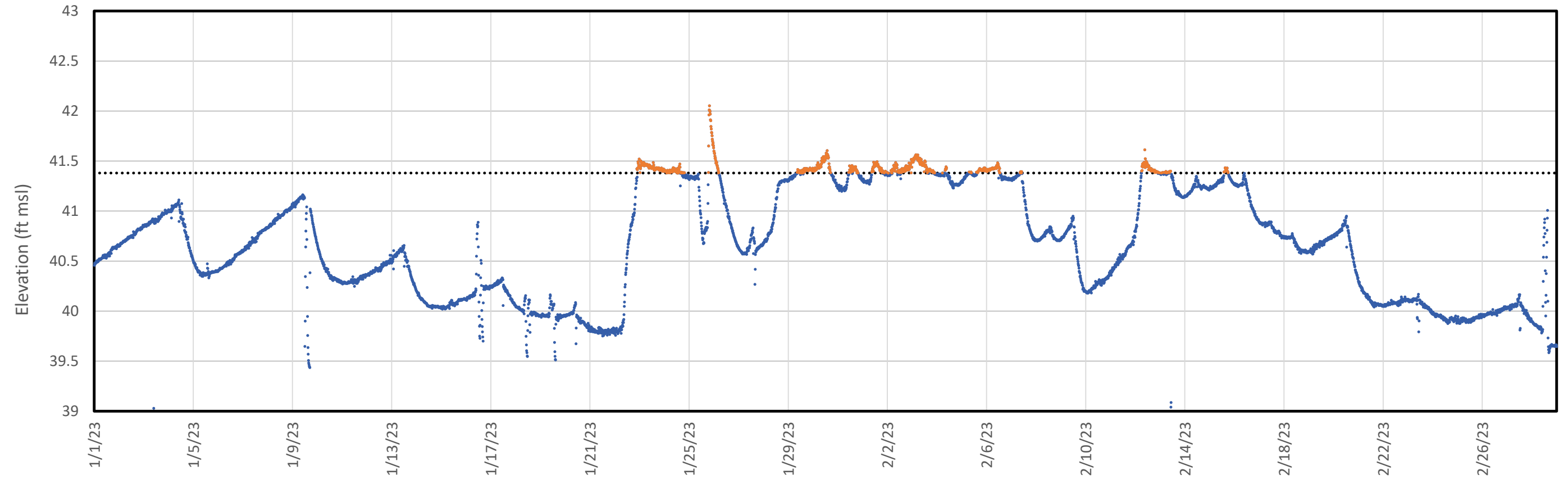




- Legend**
- Inflow Chamber/Impoundment Water Elevation
  - Impoundment Water Elevation Above Bypass Spillway
  - ◆◆ Bypass Spillway Elevation
  - USGS Precipitation (daily totals)

**Notes:**  
 Figure 3a depicts the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown in orange.  
 Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam.  
 Transient spikes and drops in influent water elevation coincide with the running of filter skids, which have been implemented at Seep A to improve pre-filtration of fine-grained sediment in influent water. The filter skids withdraw water from the impoundment and pump the filtered water directly into the influent stilling basin (ISB). In these brief periods, the transducer in the ISB does not reflect the actual impoundment elevation.

<b>Influent Water Elevation and Bypass Flow (Jan - Feb 2023) - Seep A</b>		<b>Figure 3a</b>
Chemours Fayetteville Works Fayetteville, North Carolina		
Geosyntec consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>	
Raleigh, NC	March 2023	



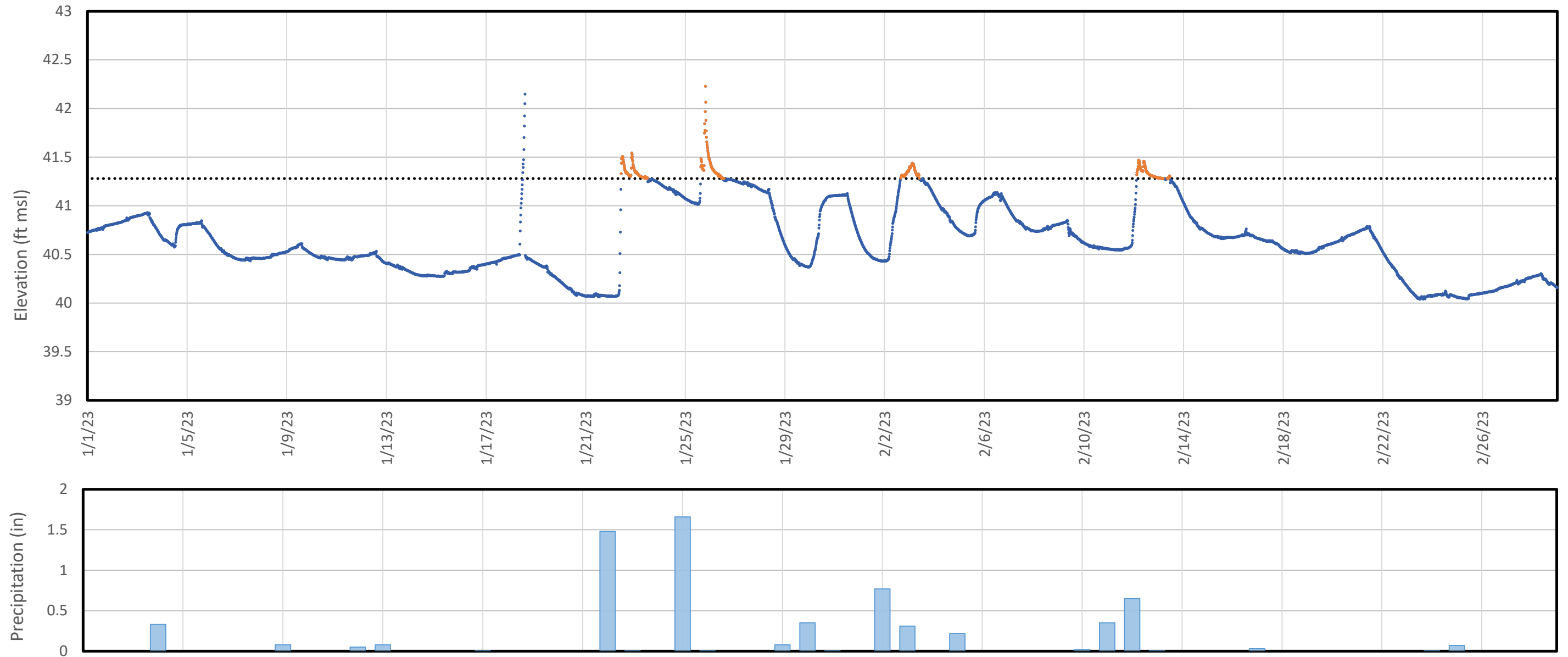
**Legend**

- Inflow Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- ◆◆◆ Bypass Spillway Elevation
- USGS Precipitation (daily totals)

**Notes:**

Figure 3b shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown in orange. Precipitation data obtained from USGS gauge #02105500 at the William O. Huske Lock and Dam. Transient spikes and drops in influent water elevation coincide with the running of filter skids, which have been implemented at Seep B to improve pre-filtration of fine-grained sediment in influent water. The filter skids withdraw water from the impoundment and pump the filtered water directly into the influent stilling basin (ISB). In these brief periods, the transducer in the ISB does not reflect the actual impoundment elevation.

<b>Influent Water Elevation and Bypass Flow (Jan - Feb 2023) - Seep B</b>		<b>Figure 3b</b>
Chemours Fayetteville Works Fayetteville, North Carolina		
Geosyntec <sup>®</sup> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh, NC	March 2023	



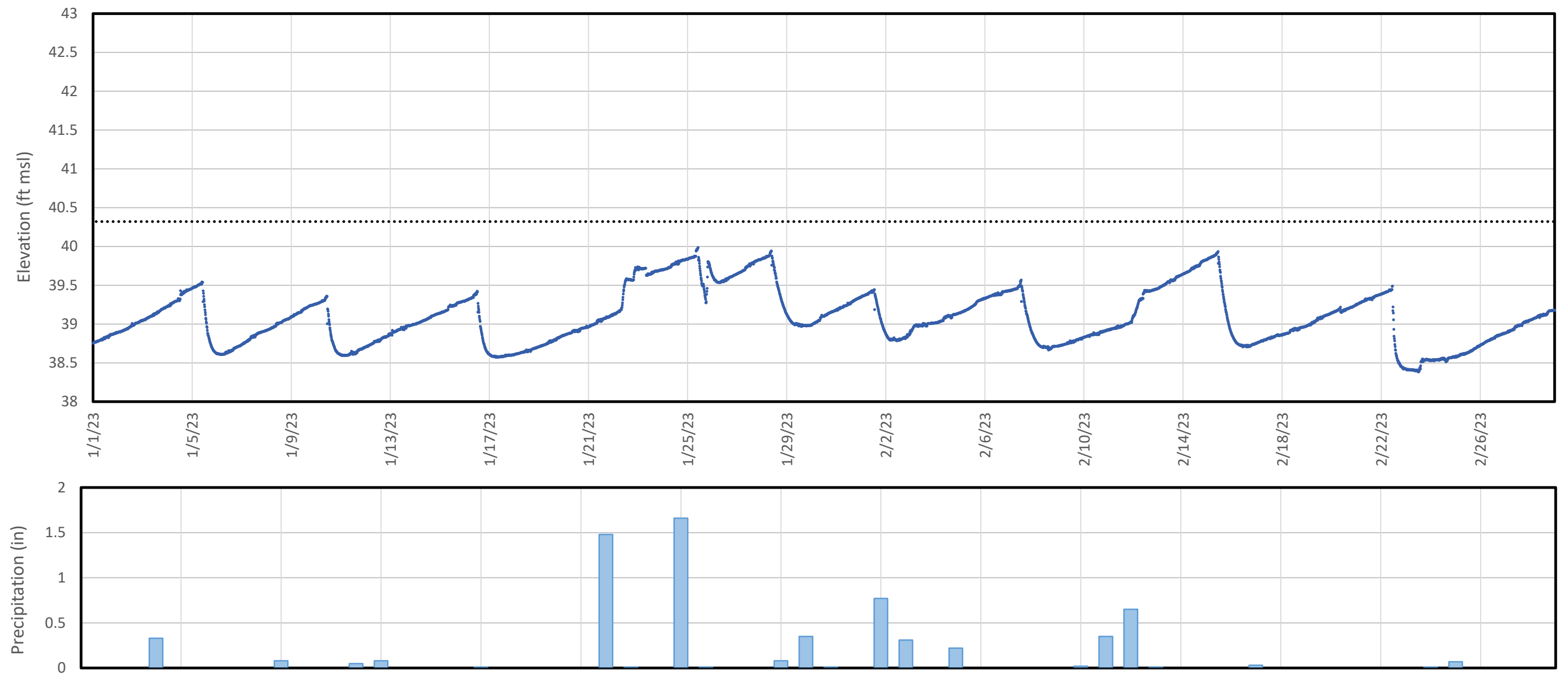
**Legend**

- Inflow Chamber/Impoundment Water Elevation
- Impoundment Water Elevation Above Bypass Spillway
- ◆◆◆ Bypass Spillway Elevation
- USGS Precipitation (daily totals)

**Notes:**

Figure 3c shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown in orange. Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam. Transient spikes and drops in influent water elevation coincide with the running of filter skids, which have been implemented at Seep C to improve pre-filtration of fine-grained sediment in influent water. The filter skids withdraw water from the impoundment and pump the filtered water directly into the influent stilling basin (ISB). In these brief periods, the transducer in the ISB does not reflect the actual impoundment elevation.

<b>Influent Water Elevation and Bypass Flow (Jan - Feb 2023) - Seep C</b>		<b>Figure 3c</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 2023	



Legend

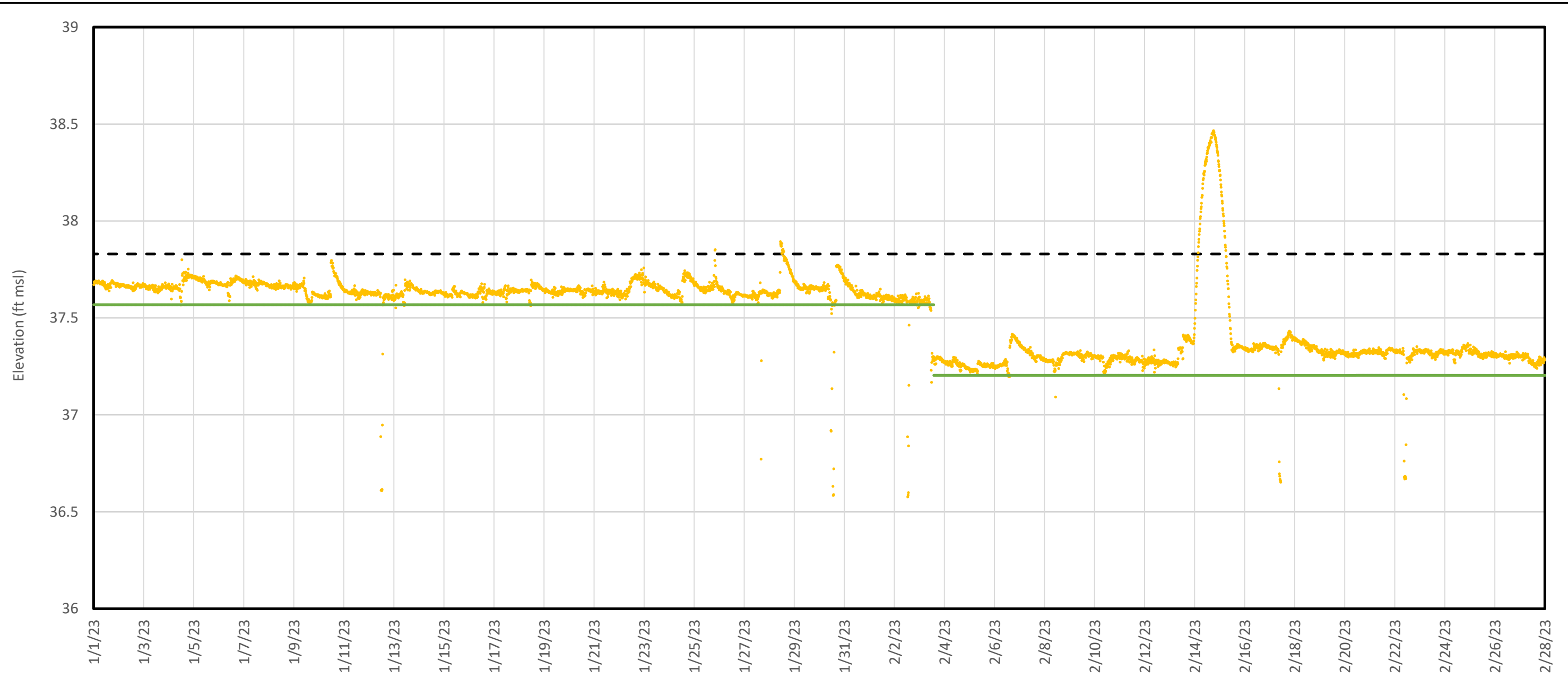
- Influent Chamber/Impoundment Water Elevation
- ◆◆ Bypass Spillway Elevation
- ▒ USGS Precipitation (daily totals)

Notes:  
 Figure 3d shows the influent transducer data that was collected during the reporting period (blue line).  
 Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

<b>Influent Water Elevation and Bypass Flow (Jan - Feb 2023) - Seep D</b> Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C.          NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure 3d</b>	

# APPENDIX A

## Transducer Data Reduction



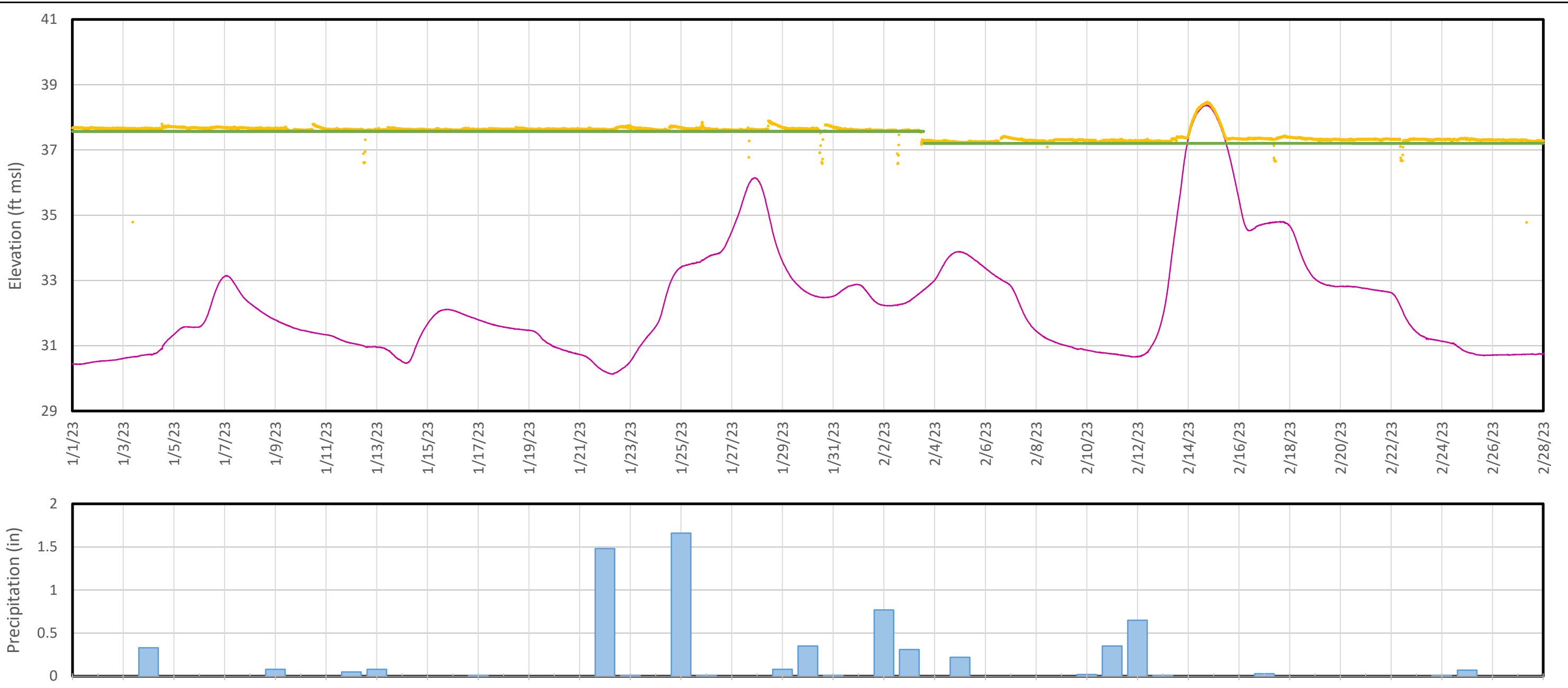
Legend

- Discharge Basin Elevation
- Weir 3 Elevation
- - - GAC Elevation

Notes:

GAC - granular activated carbon  
 Figure A1-A shows the discharge basin transducer data that was collected during the reporting period.

<b>Discharge Basin Water Elevation - Seep A</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C.          NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure A1-A</b>	



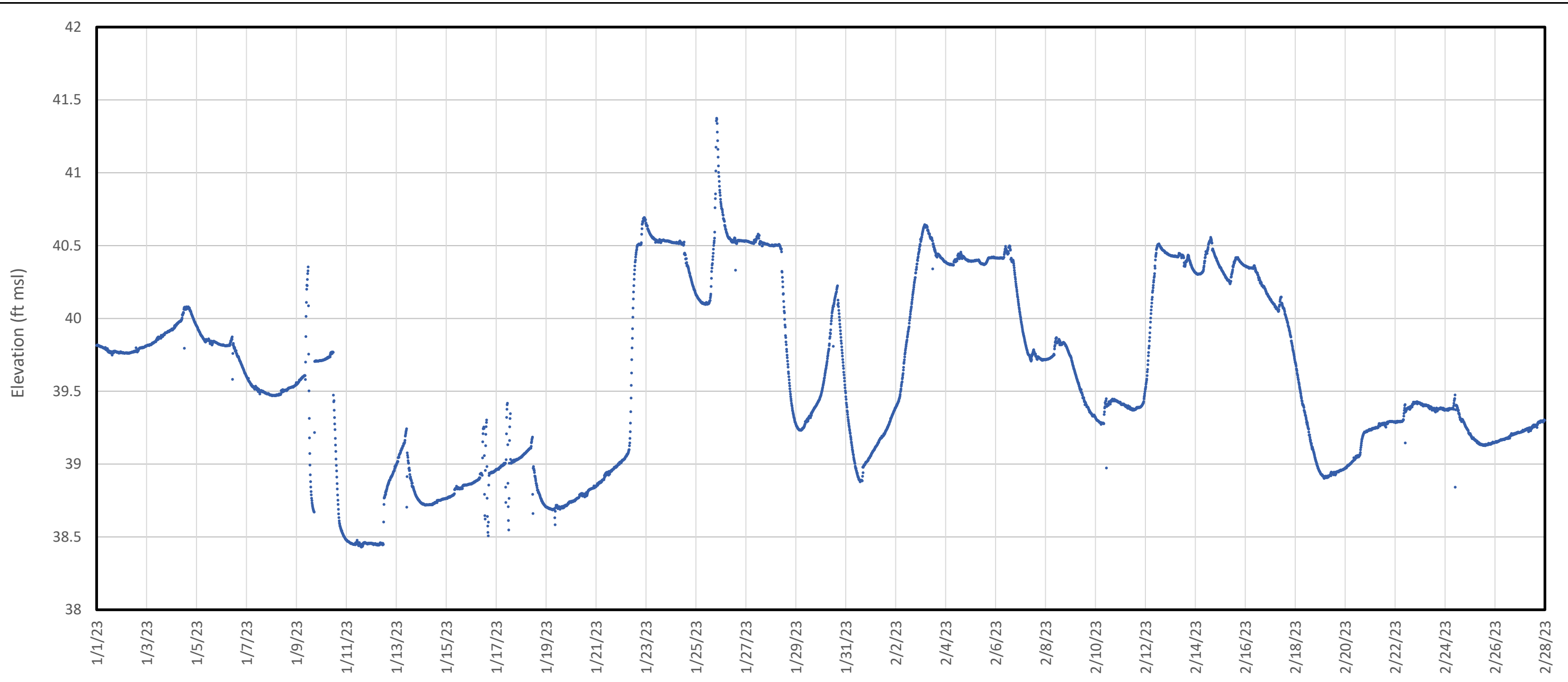
**Legend**

- Discharge Basin Water Elevation
- River Stage
- Weir 3 Elevation

USGS Precipitation (daily totals)

**Notes:**  
 As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure A2-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

<b>Discharge Basin Water Elevation and External Forcings - Seep A</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure A2-A</b>	

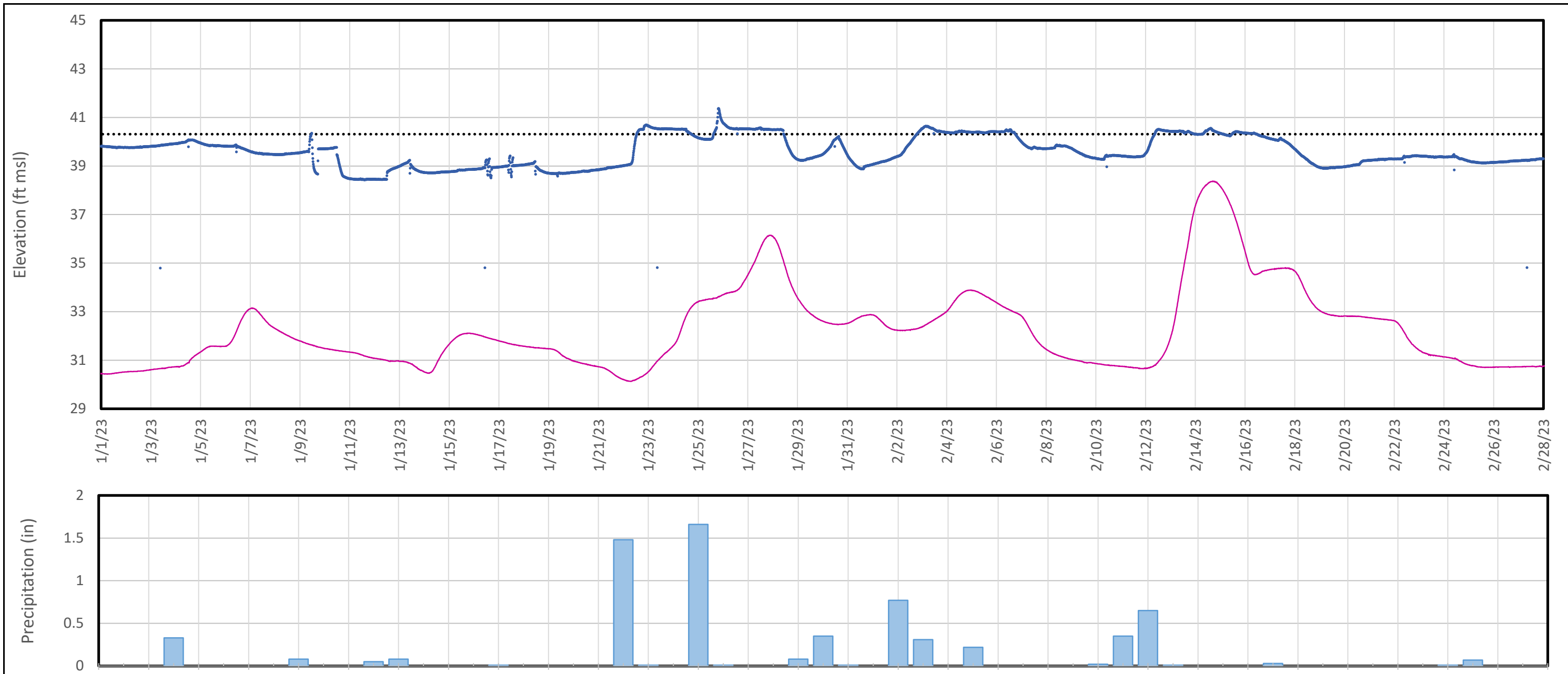


Legend  
— Inlet Chamber/Impoundment Elevation

Notes:  
 Figure A3-A shows the influent transducer data that was collected during the reporting period.

<b>Inlet Chamber Water Elevation - Seep A</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> <sup>®</sup> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A3-A</b>	





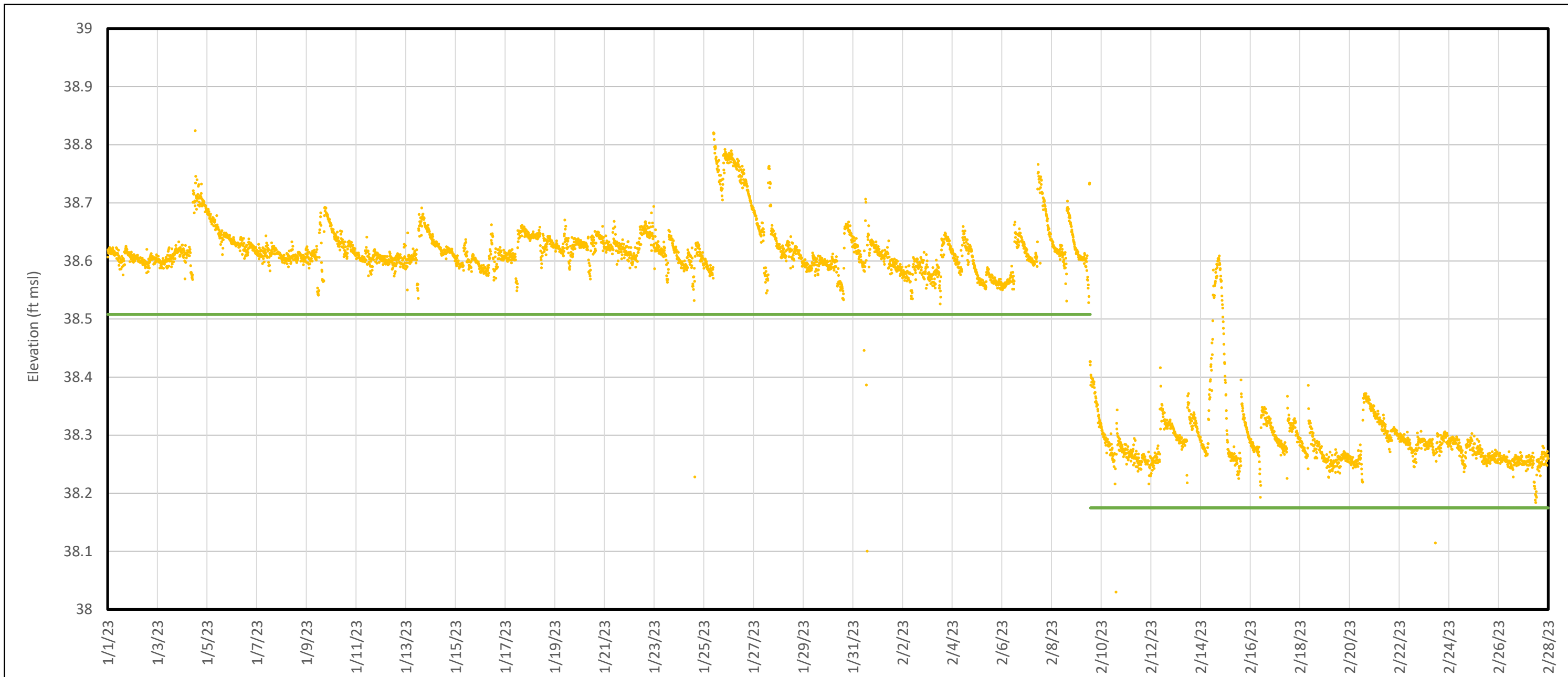
Legend

- Inlet Chamber Water Elevation
- River Stage
- ◆◆◆ Bypass Spillway Elevation

■ USGS Precipitation (daily totals)

Notes:  
 As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure A4-A compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

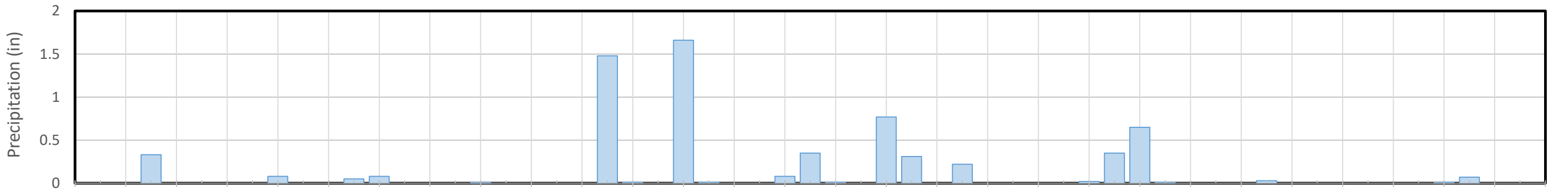
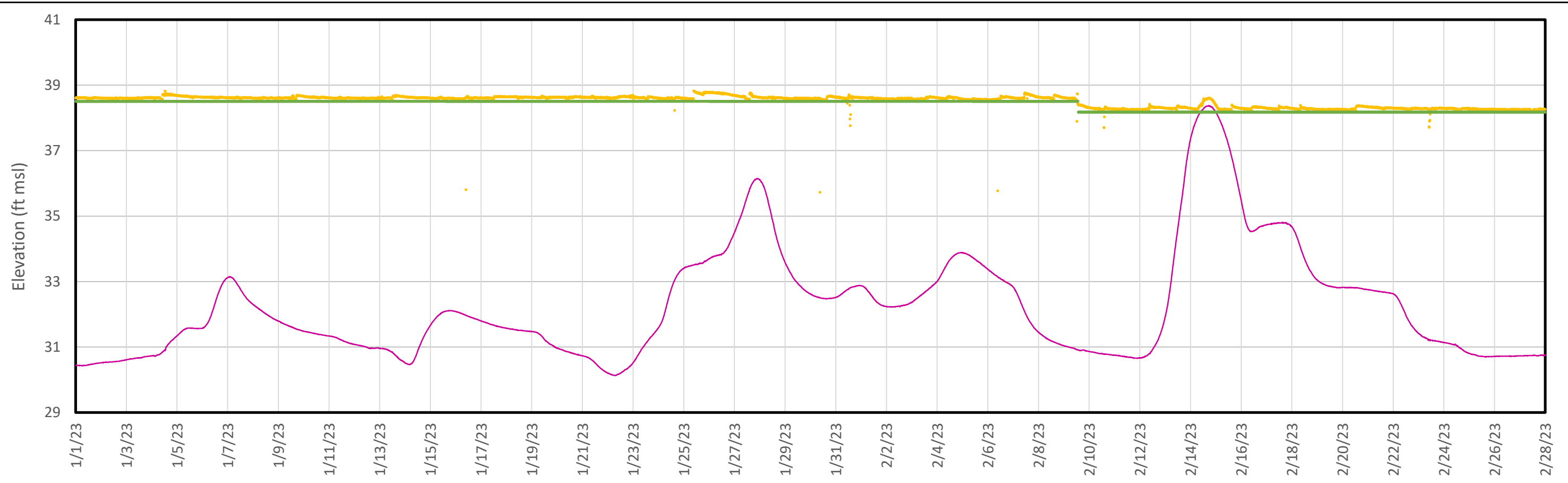
<b>Inlet Chamber Water Elevation and External Forcings - Seep A</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: G 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A4-A</b>	



**Legend**  
— Discharge Basin Elevation  
— Weir 3 Elevation  
- - GAC Elevation

**Notes:**  
 GAC - granular activated carbon  
 Figure A1-B shows the discharge basin transducer data that was collected during the reporting period.

<b>Discharge Basin Water Elevation - Seep B</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure A1-B</b>	

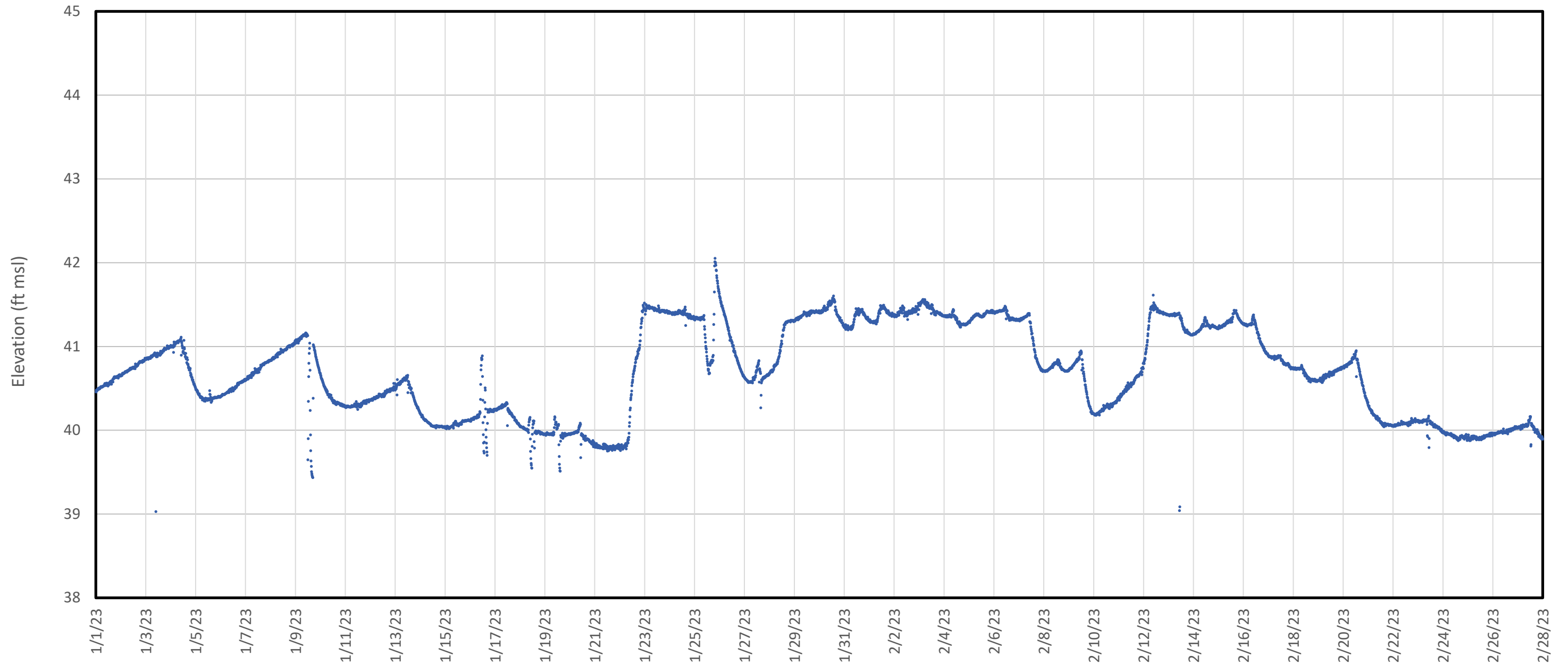


**Legend**

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

**Notes:**  
 As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure A2-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

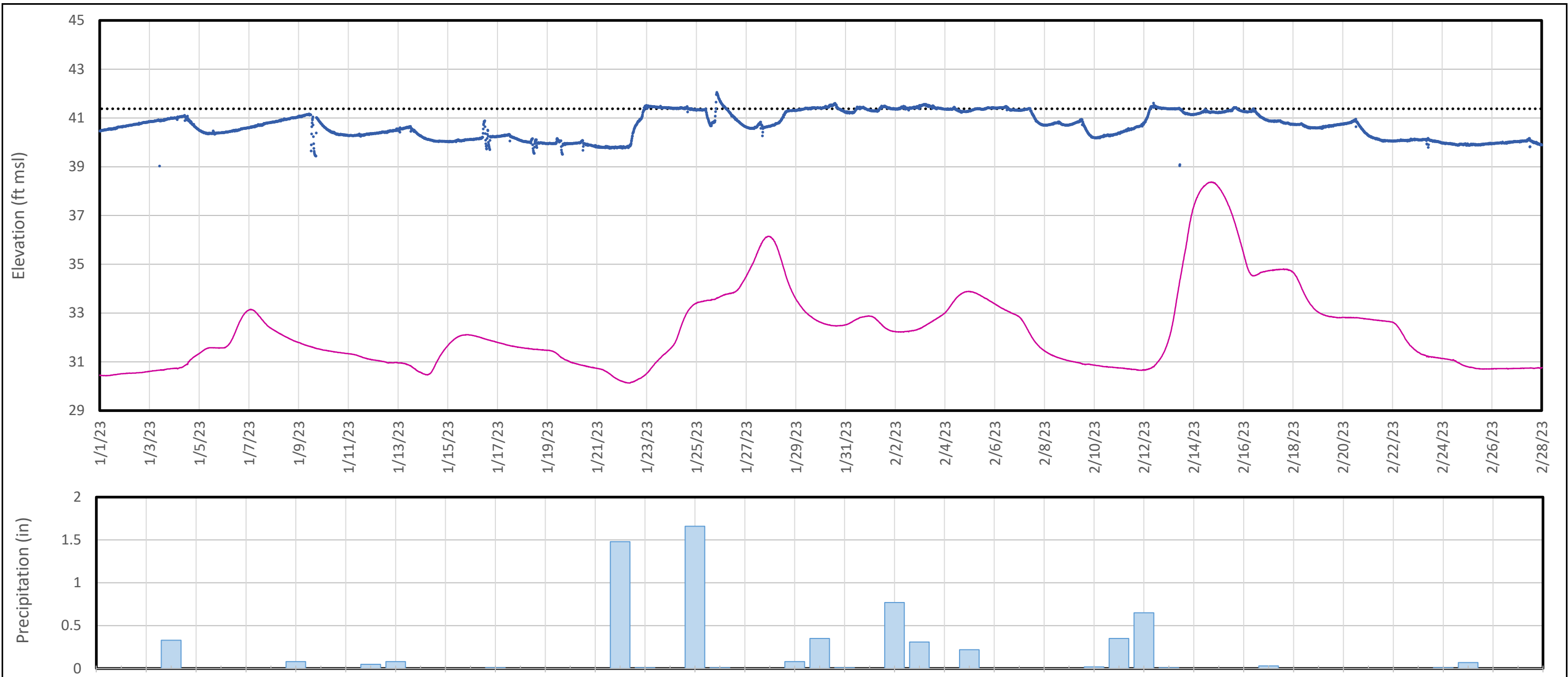
<b>Discharge Basin Water Elevation and External Forcings - Seep B</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A2-B</b>	



Legend  
— Inlet Chamber/Impoundment Elevation

Notes:  
 Figure A3-B shows the influent transducer data that was collected during the reporting period.

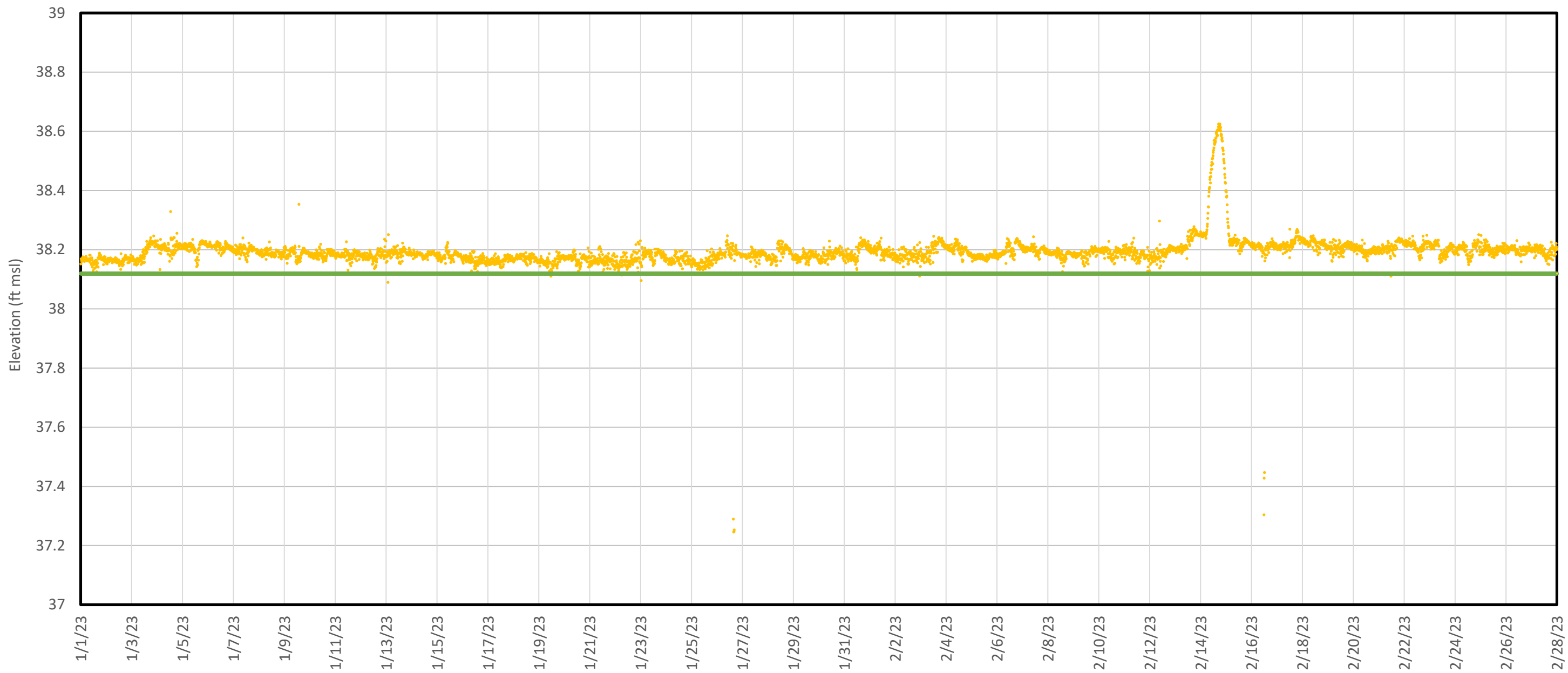
<b>Inlet Chamber Water Elevation - Seep B</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> <sup>®</sup> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A3-B</b>	



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

**Notes:**  
 As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure A4-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

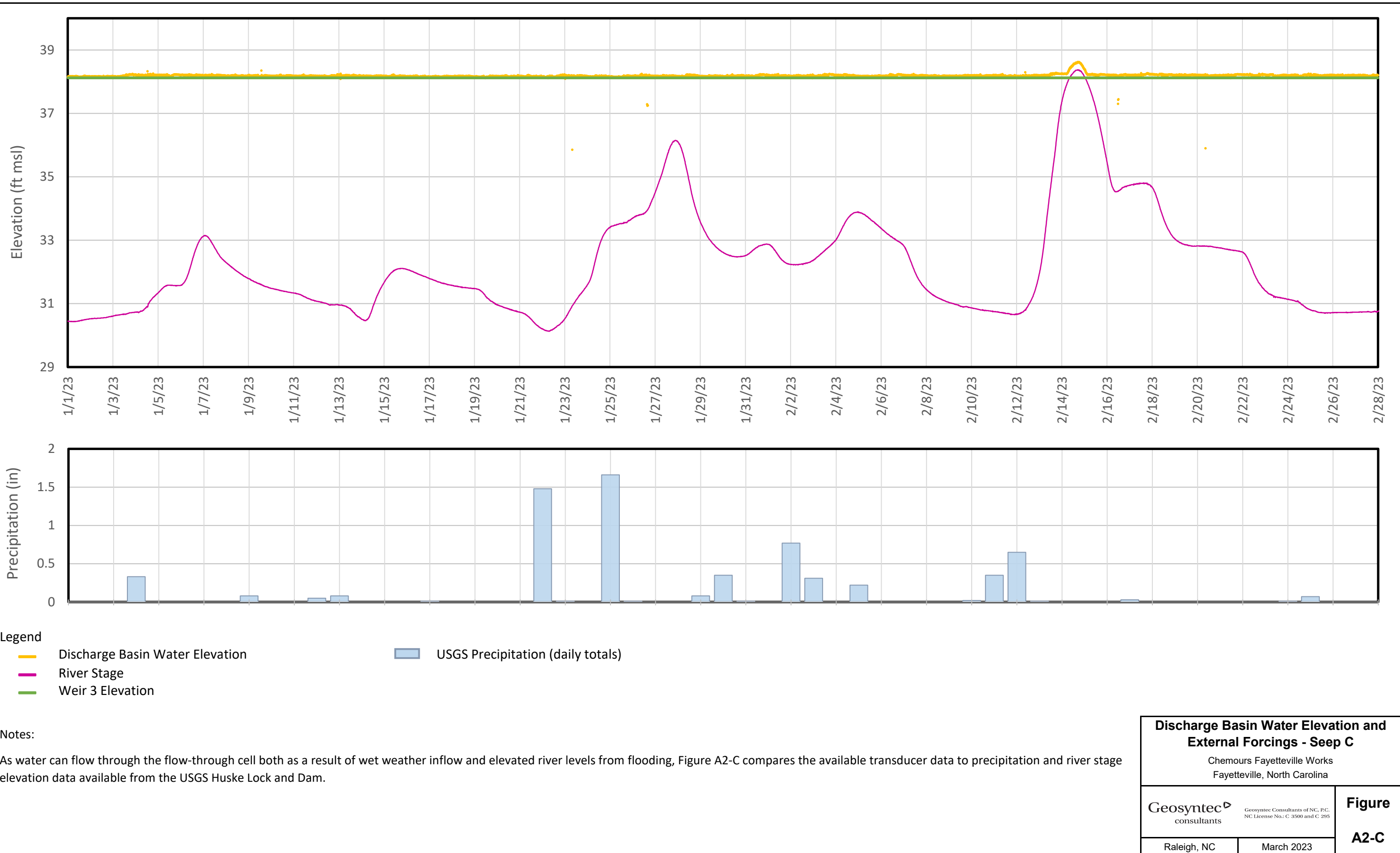
<b>Inlet Chamber Water Elevation and External Forcings - Seep B</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec <sup>®</sup> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023
<b>Figure A4-B</b>	

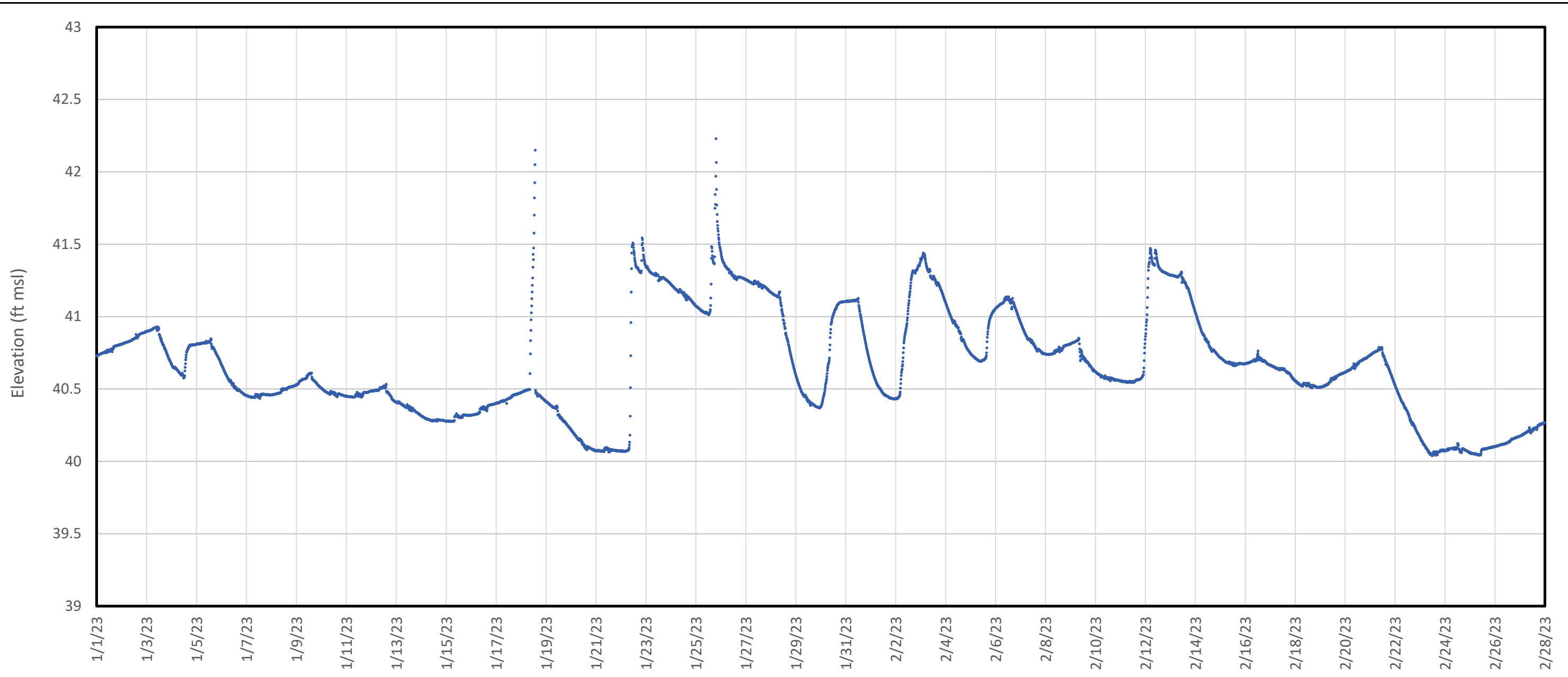


- Legend**
- Discharge Basin Elevation
  - Weir 3 Elevation
  - - - GAC Elevation

**Notes:**  
 GAC - granular activated carbon  
 Figure A1-C shows the discharge basin transducer data that was collected during the reporting period.

<b>Discharge Basin Water Elevation - Seep C</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C.          NC License No.: C. 3500 and C. 295</small>
Raleigh, NC	March 2023
<b>Figure A1-C</b>	



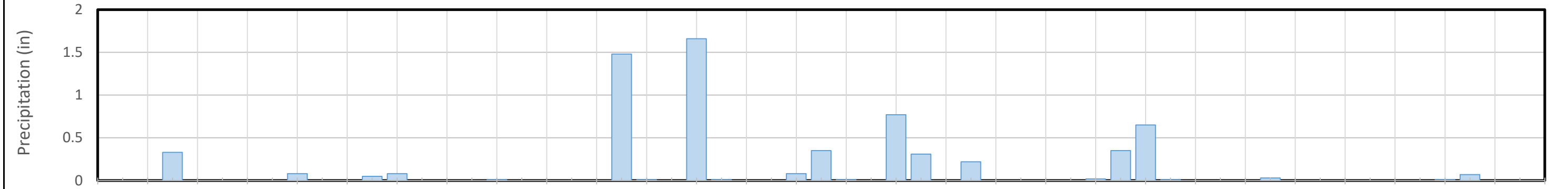
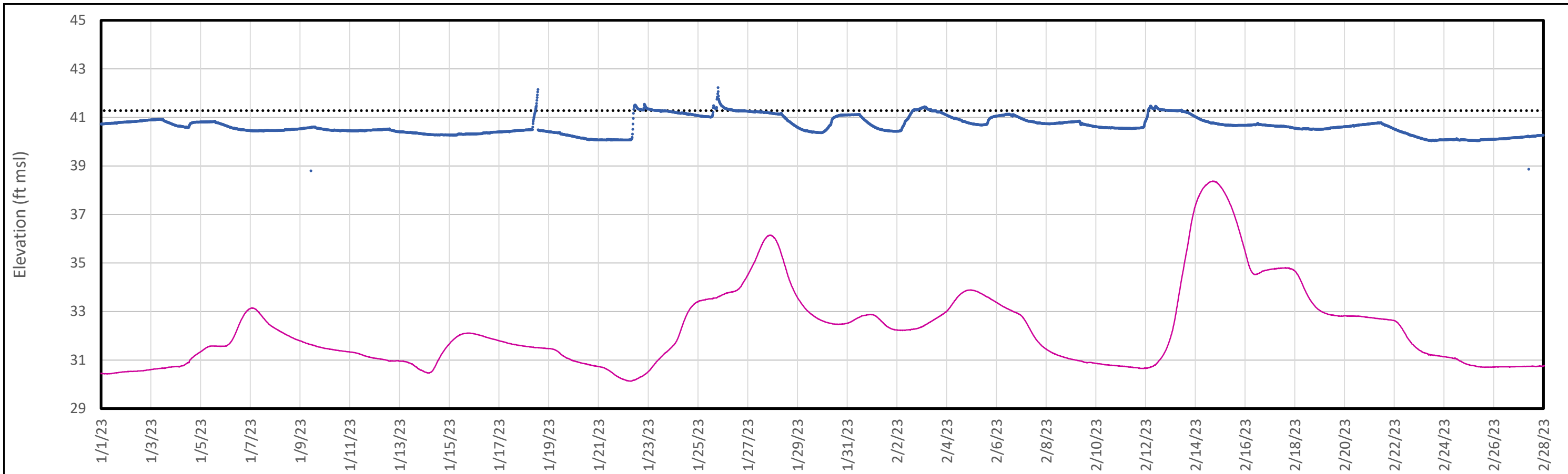


Legend  
— Inlet Chamber/Impoundment Elevation

Notes:  
 Figure A3-C shows the influent transducer data that was collected during the reporting period.

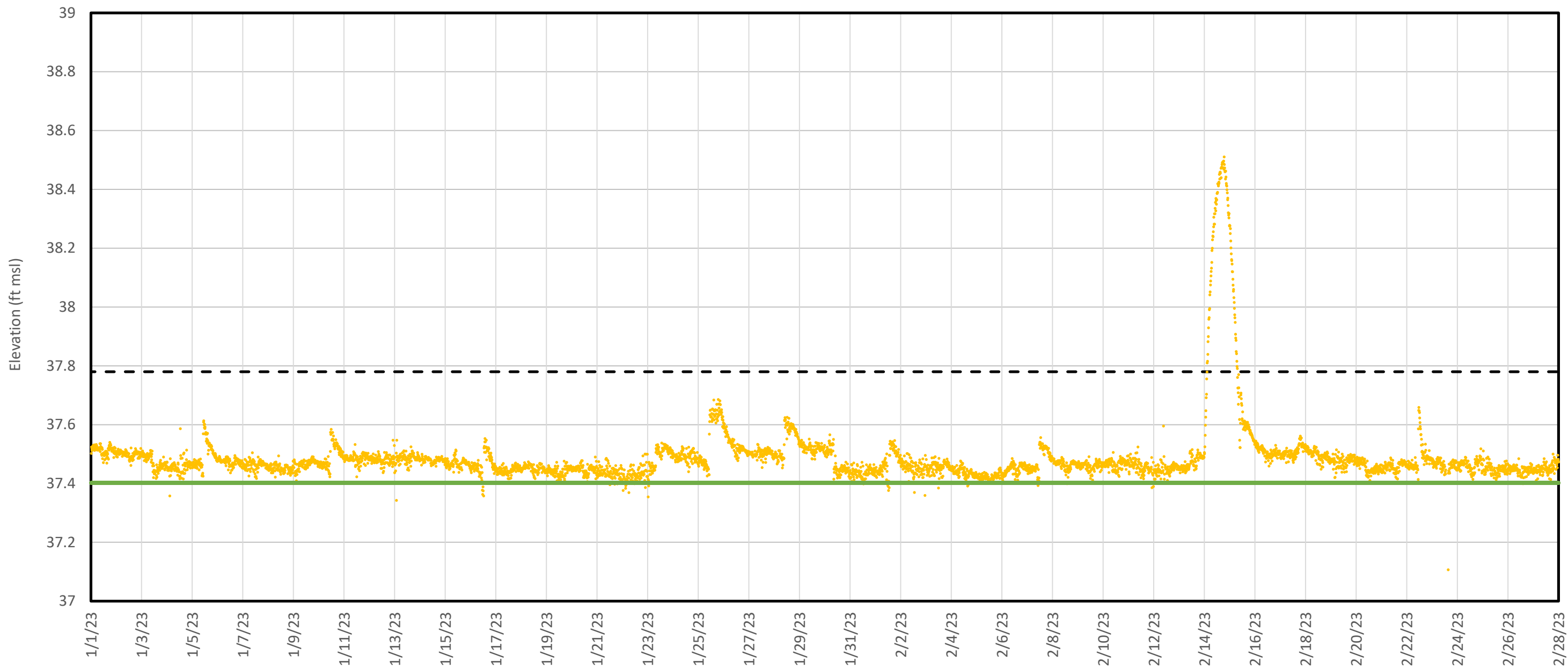
<b>Inlet Chamber Water Elevation - Seep C</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A3-C</b>	





**Notes:**  
 As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure A4-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

<b>Inlet Chamber Water Elevation and External Forcings - Seep C</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	Geosyntec Consultants of NC, P.C. NC License No.: G 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A4-C</b>	



Legend

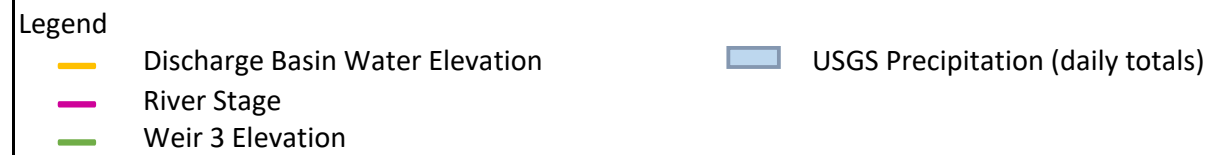
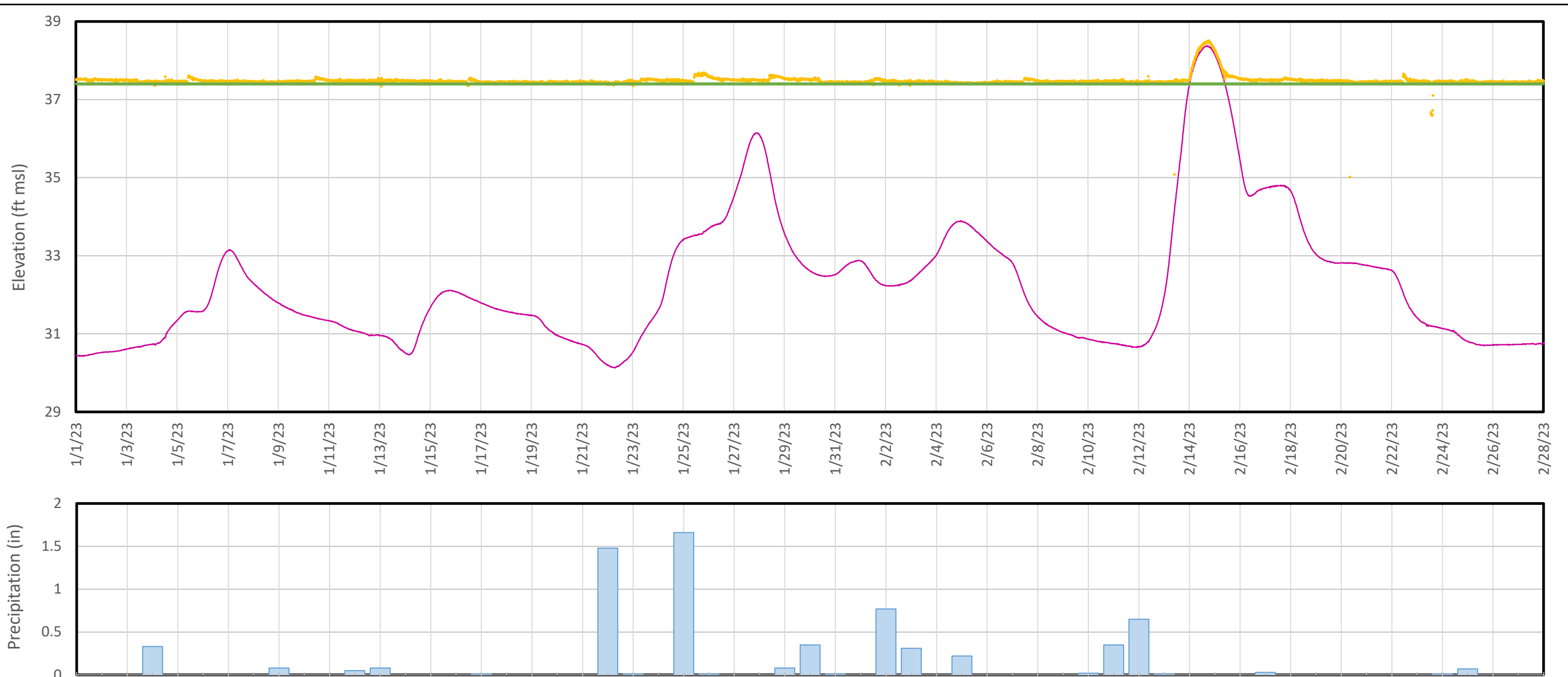
- Discharge Basin Elevation
- Weir 3 Elevation
- - - GAC Elevation

Notes:

GAC - granular activated carbon

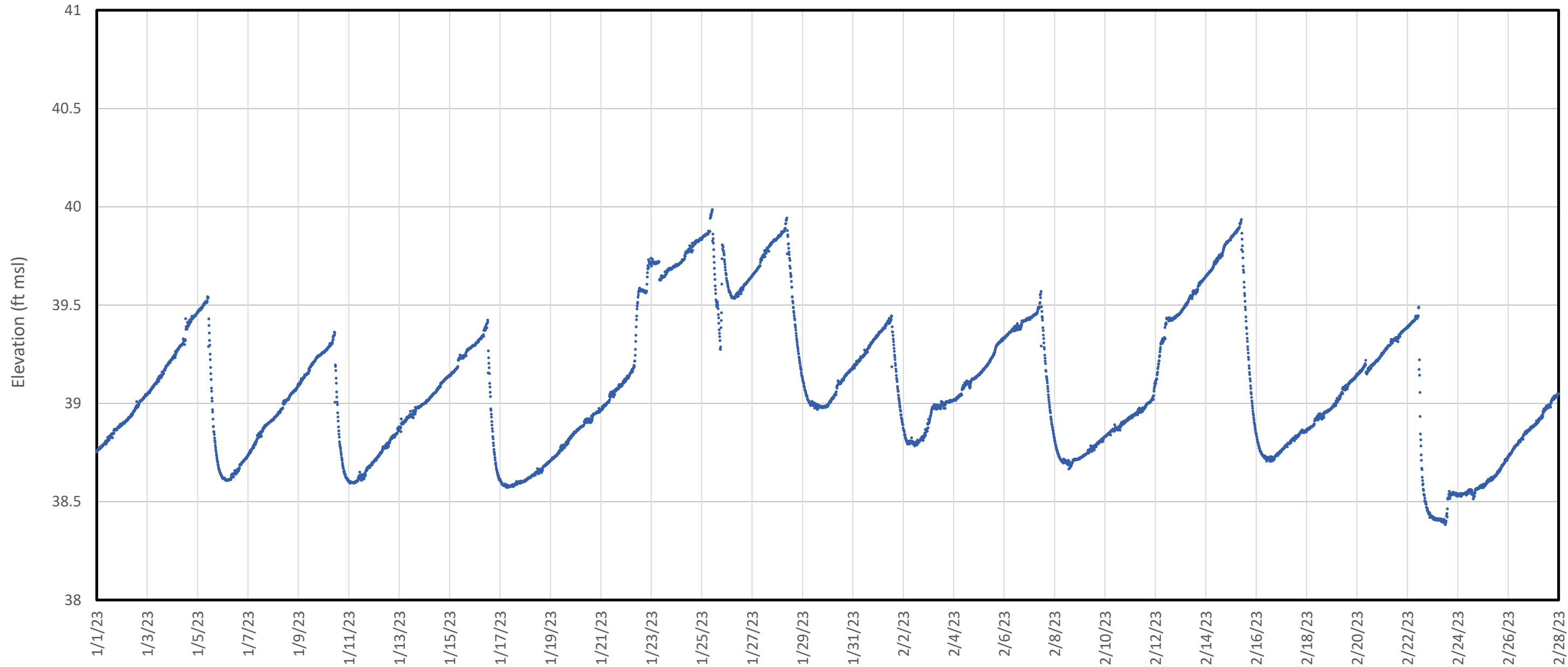
Figure A1-D shows the discharge basin transducer data that was collected during the reporting period.

<b>Discharge Basin Water Elevation - Seep D</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C. 3500 and C. 295</small>
Raleigh, NC	March 2023
<b>Figure A1-D</b>	



**Notes:**  
 As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure A2-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

<b>Discharge Basin Water Elevation and External Forcings - Seep D</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C-3500 and C-295
Raleigh, NC	March 2023
<b>Figure A2-D</b>	



Legend

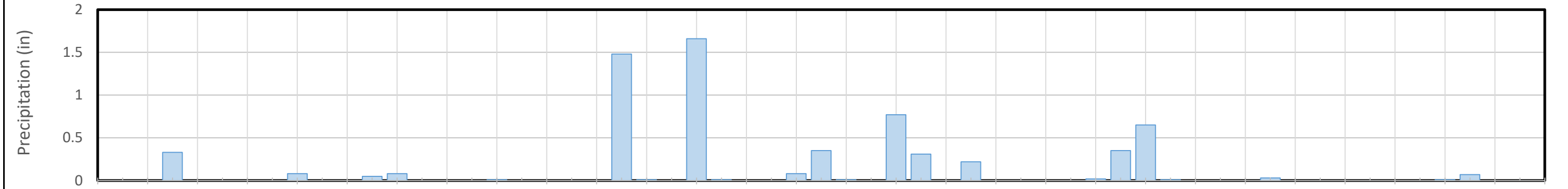
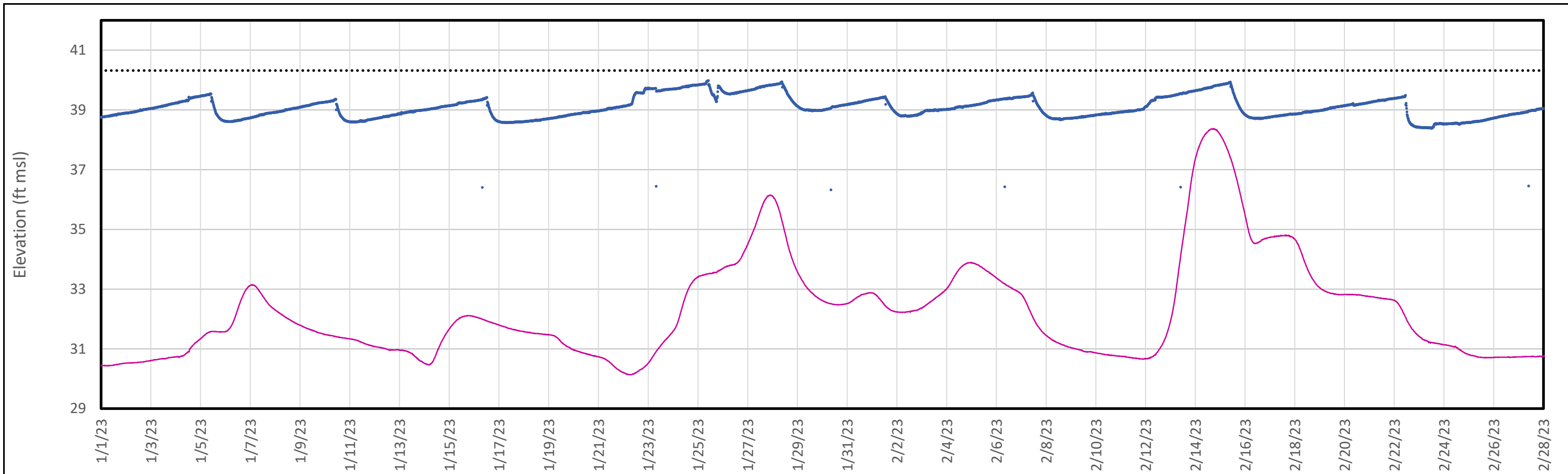
— Inlet Chamber/Impoundment Elevation

Notes:

Figure A3-D shows the influent transducer data that was collected during the reporting period.

<b>Inlet Chamber Water Elevation - Seep D</b> Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	<small>Geosyntec Consultants of NC, P.C.          NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2023

**Figure  
A3-D**



- Legend**
- Inlet Chamber Water Elevation
  - River Stage
  - ◆◆◆ Bypass Spillway Elevation
  - █ USGS Precipitation (daily totals)

**Notes:**  
 As water can flow through the Bypass Spillway both as a result of wet weather inflow and elevated river levels from flooding, Figure A4-D compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

<b>Inlet Chamber Water Elevation and External Forcings - Seep D</b>	
Chemours Fayetteville Works Fayetteville, North Carolina	
<b>Geosyntec</b> consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2023
<b>Figure A4-D</b>	

**APPENDIX B**  
**Laboratory Analytical Data Review Narrative**  
*(Full lab reports to be uploaded to OneDrive and EQUIS)*

## **ADQM Data Review**

**Site: Chemours Fayetteville**

**Project: Seep Flow Through Cell Sampling 2023**

**Project Reviewer: Bridget Gavaghan**

## Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-A-INFLUENT-336-011423	320-96027-1	Surface Water	N	01/14/2023	18:00	FS
SEEP-EB-011623	320-96027-10	Blank Water	N	01/16/2023	12:00	EB
SEEP-FB-011623	320-96027-11	Blank Water	N	01/16/2023	12:05	FB
SEEP-A-EFFLUENT-336-011423	320-96027-2	Surface Water	N	01/14/2023	18:00	FS
SEEP-B-INFLUENT-336-011423	320-96027-3	Surface Water	N	01/14/2023	18:00	FS
SEEP-B-INFLUENT-336-011423-D	320-96027-4	Surface Water	N	01/14/2023	18:00	DUP
SEEP-B-EFFLUENT-336-011423	320-96027-5	Surface Water	N	01/14/2023	18:00	FS
SEEP-C-INFLUENT-336-011423	320-96027-6	Surface Water	N	01/14/2023	18:00	FS
SEEP-C-EFFLUENT-336-011423	320-96027-7	Surface Water	N	01/14/2023	18:00	FS
SEEP-D-INFLUENT-336-011423	320-96027-8	Surface Water	N	01/14/2023	18:00	FS
SEEP-D-EFFLUENT-336-011423	320-96027-9	Surface Water	N	01/14/2023	18:00	FS
SEEP-A-INFLUENT-TSS-011623	320-96029-1	Surface Water	N	01/16/2023	10:20	FS
SEEP-B-INFLUENT-TSS-011623	320-96029-2	Surface Water	N	01/16/2023	09:45	FS
SEEP-C-INFLUENT-TSS-011623	320-96029-3	Surface Water	N	01/16/2023	08:30	FS
SEEP-D-INFLUENT-TSS-011623	320-96029-4	Surface Water	N	01/16/2023	08:10	FS
SEEP-A-EFFLUENT-TSS-011623	320-96029-5	Surface Water	N	01/16/2023	10:25	FS
SEEP-B-EFFLUENT-TSS-011623	320-96029-6	Surface Water	N	01/16/2023	09:50	FS
SEEP-C-EFFLUENT-TSS-011623	320-96029-7	Surface Water	N	01/16/2023	08:45	FS
SEEP-D-EFFLUENT-TSS-011623	320-96029-8	Surface Water	N	01/16/2023	08:05	FS
SEEP-A-INFLUENT-RAIN-24-012323	320-96220-1	Surface Water	N	01/23/2023	08:43	FS
SEEP-A-EFFLUENT-RAIN-24-012323	320-96220-2	Surface Water	N	01/23/2023	08:34	FS
SEEP-C-INFLUENT-RAIN-24-012323	320-96220-3	Surface Water	N	01/23/2023	08:48	FS
SEEP-C-EFFLUENT-RAIN-24-012323	320-96220-4	Surface Water	N	01/23/2023	08:44	FS
SEEP-D-INFLUENT-RAIN-24-012323	320-96220-5	Surface Water	N	01/23/2023	08:42	FS
SEEP-D-EFFLUENT-RAIN-24-012323	320-96220-6	Surface Water	N	01/23/2023	08:54	FS
SEEP-B-EFFLUENT-RAIN-24-012323	320-96220-7	Surface Water	N	01/23/2023	08:44	FS
SEEP-B-INFLUENT-RAIN-24-012323	320-96220-8	Surface Water	N	01/23/2023	08:43	FS
SEEP-A-INFLUENT-24-020123	320-96527-1	Surface Water	N	02/01/2023	15:45	FS
SEEP-A-EFFLUENT-24-020123	320-96527-2	Surface Water	N	02/01/2023	15:45	FS
SEEP-B-INFLUENT-336-013023	320-96527-3	Surface Water	N	01/30/2023	08:00	FS
SEEP-B-EFFLUENT-336-013023	320-96527-4	Surface Water	N	01/30/2023	08:00	FS
SEEP-C-INFLUENT-336-013023	320-96527-5	Surface Water	N	01/30/2023	08:00	FS
SEEP-C-EFFLUENT-336-013023	320-96527-6	Surface Water	N	01/30/2023	08:00	FS
SEEP-D-INFLUENT-336-013023	320-96527-7	Surface Water	N	01/30/2023	08:00	FS
SEEP-D-EFFLUENT-336-013023	320-96527-8	Surface Water	N	01/30/2023	08:00	FS
SEEP-A-EFFLUENT-336-013023	320-96527-9	Surface Water	N	01/30/2023	08:00	FS
SEEP-A-INFLUENT-TSS-013123	320-96532-1	Surface Water	N	01/31/2023	13:45	FS
SEEP-B-INFLUENT-TSS-013123	320-96532-2	Surface Water	N	01/31/2023	11:05	FS
SEEP-C-INFLUENT-TSS-013123	320-96532-3	Surface Water	N	01/31/2023	10:10	FS
SEEP-D-INFLUENT-TSS-013123	320-96532-4	Surface Water	N	01/31/2023	09:55	FS
SEEP-A-EFFLUENT-TSS-013123	320-96532-5	Surface Water	N	01/31/2023	13:50	FS

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



Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-B-EFFLUENT-TSS-013123	320-96532-6	Surface Water	N	01/31/2023	11:10	FS
SEEP-C-EFFLUENT-TSS-013123	320-96532-7	Surface Water	N	01/31/2023	10:15	FS
SEEP-D-EFFLUENT-TSS-013123	320-96532-8	Surface Water	N	01/31/2023	09:50	FS
SEEP-A-INFLUENT-RAIN-24-020323	320-96587-1	Surface Water	N	02/03/2023	19:27	FS
SEEP-A-EFFLUENT-RAIN-24-020323	320-96587-2	Surface Water	N	02/03/2023	19:19	FS
SEEP-C-INFLUENT-RAIN-24-020323	320-96587-3	Surface Water	N	02/03/2023	20:08	FS
SEEP-C-EFFLUENT-RAIN-24-020323	320-96587-4	Surface Water	N	02/03/2023	20:41	FS
SEEP-D-INFLUENT-RAIN-24-020323	320-96587-5	Surface Water	N	02/03/2023	20:24	FS
SEEP-D-EFFLUENT-RAIN-24-020323	320-96587-6	Surface Water	N	02/03/2023	20:21	FS
SEEP-B-EFFLUENT-RAIN-24-020323	320-96587-7	Surface Water	N	02/03/2023	21:39	FS
SEEP-B-INFLUENT-RAIN-24-020323	320-96587-8	Surface Water	N	02/03/2023	20:09	FS
SEEP-A-INFLUENT-TSS-021323	320-96800-1	Surface Water	N	02/13/2023	12:05	FS
SEEP-B-INFLUENT-TSS-021323	320-96800-2	Surface Water	N	02/13/2023	14:05	FS
SEEP-C-INFLUENT-TSS-021323	320-96800-3	Surface Water	N	02/13/2023	13:55	FS
SEEP-D-INFLUENT-TSS-021323	320-96800-4	Surface Water	N	02/13/2023	13:50	FS
SEEP-A-EFFLUENT-TSS-021323	320-96800-5	Surface Water	N	02/13/2023	12:10	FS
SEEP-B-EFFLUENT-TSS-021323	320-96800-6	Surface Water	N	02/13/2023	14:10	FS
SEEP-C-EFFLUENT-TSS-021323	320-96800-7	Surface Water	N	02/13/2023	14:00	FS
SEEP-D-EFFLUENT-TSS-021323	320-96800-8	Surface Water	N	02/13/2023	13:45	FS
SEEP-A-INFLUENT-306-021323	320-96801-1	Surface Water	N	02/13/2023	12:00	FS
SEEP-EB-021323	320-96801-10	Blank Water	N	02/13/2023	15:00	EB
SEEP-FB-021323	320-96801-11	Blank Water	N	02/13/2023	15:05	FB
SEEP-A-EFFLUENT-306-021323	320-96801-2	Surface Water	N	02/13/2023	12:00	FS
SEEP-B-INFLUENT-306-021323	320-96801-3	Surface Water	N	02/13/2023	12:00	FS
SEEP-B-EFFLUENT-306-021323-D	320-96801-4	Surface Water	N	02/13/2023	12:00	DUP
SEEP-B-EFFLUENT-306-021323	320-96801-5	Surface Water	N	02/13/2023	12:00	FS
SEEP-C-INFLUENT-306-021323	320-96801-6	Surface Water	N	02/13/2023	12:00	FS
SEEP-C-EFFLUENT-306-021323	320-96801-7	Surface Water	N	02/13/2023	12:00	FS
SEEP-D-INFLUENT-306-021323	320-96801-8	Surface Water	N	02/13/2023	12:00	FS
SEEP-D-EFFLUENT-306-021323	320-96801-9	Surface Water	N	02/13/2023	12:00	FS
SEEP-A-INFLUENT-306-022823	320-97249-1	Surface Water	N	02/28/2023	12:00	FS
SEEP-A-EFFLUENT-306-022823	320-97249-2	Surface Water	N	02/28/2023	12:00	FS
SEEP-B-INFLUENT-306-022823	320-97249-3	Surface Water	N	02/28/2023	12:00	FS
SEEP-B-EFFLUENT-306-022823	320-97249-4	Surface Water	N	02/28/2023	12:00	FS
SEEP-C-INFLUENT-306-022823	320-97249-5	Surface Water	N	02/28/2023	12:00	FS
SEEP-C-EFFLUENT-306-022823	320-97249-6	Surface Water	N	02/28/2023	12:00	FS
SEEP-D-INFLUENT-306-022823	320-97249-7	Surface Water	N	02/28/2023	12:00	FS
SEEP-D-EFFLUENT-306-022823	320-97249-8	Surface Water	N	02/28/2023	12:00	FS
SEEP-A-INFLUENT-TSS-022823	320-97250-1	Surface Water	N	02/28/2023	12:05	FS
SEEP-B-INFLUENT-TSS-022823	320-97250-2	Surface Water	N	02/28/2023	13:25	FS
SEEP-C-INFLUENT-TSS-022823	320-97250-3	Surface Water	N	02/28/2023	13:50	FS
SEEP-D-INFLUENT-TSS-022823	320-97250-4	Surface Water	N	02/28/2023	14:05	FS
SEEP-A-EFFLUENT-TSS-022823	320-97250-5	Surface Water	N	02/28/2023	12:00	FS
SEEP-B-EFFLUENT-TSS-022823	320-97250-6	Surface Water	N	02/28/2023	13:30	FS
SEEP-C-EFFLUENT-TSS-022823	320-97250-7	Surface Water	N	02/28/2023	13:55	FS
SEEP-D-EFFLUENT-TSS-022823	320-97250-8	Surface Water	N	02/28/2023	14:10	FS

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

## Analytical Protocol

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

## ADQM Data Review Checklist

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

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

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

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

## Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

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

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

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

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

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

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



## DVM Narrative Report

**Site:** Fayetteville

**Sampling Program:** Seep Flow Through Cell Sampling 2023

**Validation Options:** LABSTATS

**Validation Reason Code:** 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
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	Perfluoro(2-ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2023

Validation Options: LABSTATS

Validation Reason Code: 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.

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-1	PFMOAA	43	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-013023	01/30/2023	320-96527-3	PFMOAA	77	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-24-020323	02/03/2023	320-96587-7	PFMOAA	0.031	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	R-PSDA	0.76	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-020123	02/01/2023	320-96527-2	PFO2HxA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-020123	02/01/2023	320-96527-2	PFMOAA	0.019	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PMPA	0.026	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	Hydrolyzed PSDA	0.018	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PS Acid	0.0026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PFO2HxA	0.045	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PFO3OA	0.015	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PFO4DA	0.0062	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PFO5DA	0.0032	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-013023	01/30/2023	320-96527-9	PFMOAA	0.087	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	PMPA	0.024	UG/L	PQL		0.010	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	R-PSDA	0.0038	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	Hydrolyzed PSDA	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	R-EVE	0.0026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	PFO2HxA	0.014	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	PFO3OA	0.0034	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-013023	01/30/2023	320-96527-4	PFMOAA	0.062	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-013023	01/30/2023	320-96527-6	PFO2HxA	0.013	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-013023	01/30/2023	320-96527-6	PFO3OA	0.0045	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-013023	01/30/2023	320-96527-6	PFMOAA	0.036	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-336-013023	01/30/2023	320-96527-8	PFO2HxA	0.0030	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-336-013023	01/30/2023	320-96527-8	PFMOAA	0.0084	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep



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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-INFLUENT-336-011423	01/14/2023	320-96027-3	R-PSDA	2.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-011423	01/14/2023	320-96027-3	Hydrolyzed PSDA	27	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-011423	01/14/2023	320-96027-3	R-EVE	1.4	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-011423-D	01/14/2023	320-96027-4	R-PSDA	2.9	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-011423-D	01/14/2023	320-96027-4	Hydrolyzed PSDA	26	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-011423-D	01/14/2023	320-96027-4	R-EVE	1.4	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-011423	01/14/2023	320-96027-6	R-PSDA	0.78	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-011423	01/14/2023	320-96027-6	Hydrolyzed PSDA	0.92	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-011423	01/14/2023	320-96027-6	R-EVE	0.84	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-011423	01/14/2023	320-96027-8	R-PSDA	0.91	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-011423	01/14/2023	320-96027-8	Hydrolyzed PSDA	2.0	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-011423	01/14/2023	320-96027-8	R-EVE	0.91	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-011423	01/14/2023	320-96027-8	PFO5DA	0.090	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-021323	02/13/2023	320-96801-1	R-PSDA	1.6	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-021323	02/13/2023	320-96801-3	R-PSDA	4.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-021323	02/13/2023	320-96801-6	R-PSDA	0.62	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2023

Validation Options: LABSTATS

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

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-EFFLUENT-306-021323	02/13/2023	320-96801-5	Hydrolyzed PSDA	0.033	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	Hydrolyzed PSDA	1.9	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-306-022823	02/28/2023	320-97249-2	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-022823	02/28/2023	320-97249-1	R-PSDA	2.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-022823	02/28/2023	320-97249-1	Hydrolyzed PSDA	23	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-022823	02/28/2023	320-97249-1	R-EVE	1.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-022823	02/28/2023	320-97249-4	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-022823	02/28/2023	320-97249-4	Hydrolyzed PSDA	0.056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-022823	02/28/2023	320-97249-4	R-EVE	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-022823	02/28/2023	320-97249-3	R-PSDA	4.9	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-022823	02/28/2023	320-97249-3	Hydrolyzed PSDA	37	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-022823	02/28/2023	320-97249-3	R-EVE	3.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-306-022823	02/28/2023	320-97249-6	R-PSDA	0.0074	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-306-022823	02/28/2023	320-97249-6	Hydrolyzed PSDA	0.0087	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-306-022823	02/28/2023	320-97249-6	R-EVE	0.0074	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-022823	02/28/2023	320-97249-5	R-PSDA	0.85	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-022823	02/28/2023	320-97249-5	Hydrolyzed PSDA	0.82	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-022823	02/28/2023	320-97249-5	R-EVE	0.79	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-022823	02/28/2023	320-97249-7	R-PSDA	0.90	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-022823	02/28/2023	320-97249-7	Hydrolyzed PSDA	1.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-022823	02/28/2023	320-97249-7	R-EVE	0.86	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-1	R-PSDA	0.92	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-1	Hydrolyzed PSDA	9.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-1	R-EVE	0.38	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-8	R-PSDA	2.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-8	Hydrolyzed PSDA	20	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-8	R-EVE	1.2	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-3	R-PSDA	0.66	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-3	Hydrolyzed PSDA	0.65	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-3	R-EVE	0.54	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-5	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-5	Hydrolyzed PSDA	1.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-012323	01/23/2023	320-96220-5	R-EVE	0.57	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-020123	02/01/2023	320-96527-1	R-PSDA	1.7	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-020123	02/01/2023	320-96527-1	Hydrolyzed PSDA	17	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-020123	02/01/2023	320-96527-1	R-EVE	0.64	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-013023	01/30/2023	320-96527-3	R-PSDA	3.0	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-013023	01/30/2023	320-96527-3	Hydrolyzed PSDA	24	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-013023	01/30/2023	320-96527-3	R-EVE	1.8	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-013023	01/30/2023	320-96527-5	R-PSDA	0.55	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-013023	01/30/2023	320-96527-5	Hydrolyzed PSDA	0.52	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-013023	01/30/2023	320-96527-5	R-EVE	0.52	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-013023	01/30/2023	320-96527-7	R-PSDA	0.79	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-013023	01/30/2023	320-96527-7	Hydrolyzed PSDA	1.7	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-013023	01/30/2023	320-96527-7	R-EVE	0.76	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-RAIN-24-020323	02/03/2023	320-96587-2	Hydrolyzed PSDA	0.0029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-1	R-PSDA	1.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-1	Hydrolyzed PSDA	9.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-1	R-EVE	0.46	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-24-020323	02/03/2023	320-96587-7	Hydrolyzed PSDA	0.0034	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-8	R-PSDA	2.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-8	Hydrolyzed PSDA	15	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-8	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-3	R-PSDA	0.36	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-3	Hydrolyzed PSDA	0.31	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-3	R-EVE	0.34	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-5	R-PSDA	0.74	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-5	Hydrolyzed PSDA	1.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-020323	02/03/2023	320-96587-5	R-EVE	0.67	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-021323	02/13/2023	320-96801-1	Hydrolyzed PSDA	20	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-306-021323	02/13/2023	320-96801-1	R-EVE	0.67	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-021323-D	02/13/2023	320-96801-4	R-PSDA	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-021323-D	02/13/2023	320-96801-4	Hydrolyzed PSDA	0.036	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-021323	02/13/2023	320-96801-3	Hydrolyzed PSDA	37	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-306-021323	02/13/2023	320-96801-3	R-EVE	2.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-021323	02/13/2023	320-96801-6	Hydrolyzed PSDA	0.70	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-306-021323	02/13/2023	320-96801-6	R-EVE	0.59	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

**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
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	PEPA	1.8	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	PFO2HxA	18	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	PFO3OA	6.2	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	PFMOAA	43	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	PMPA	6.1	UG/L	PQL		0.62	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	Hfpo Dimer Acid	15	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	Hydro-PS Acid	0.24	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-021323	02/13/2023	320-96801-8	NVHOS, Acid Form	0.63	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-013023	01/30/2023	320-96527-3	Hfpo Dimer Acid	26	UG/L	PQL		0.081	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-021323	02/13/2023	320-96801-5	R-PSDA	0.0043	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-021323	02/13/2023	320-96801-5	R-EVE	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-306-021323	02/13/2023	320-96801-5	PFMOAA	0.068	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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-011623	01/16/2023	320-96029-8	Total Suspended Solids	1.6	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-INFLUENT-TSS-011623	01/16/2023	320-96029-4	Total Suspended Solids	1.6	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-EFFLUENT-TSS-021323	02/13/2023	320-96800-8	Total Suspended Solids	1.6	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-A-EFFLUENT-TSS-013123	01/31/2023	320-96532-5	Total Suspended Solids	1.2	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-EFFLUENT-TSS-013123	01/31/2023	320-96532-8	Total Suspended Solids	1.6	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-EFFLUENT-TSS-022823	02/28/2023	320-97250-8	Total Suspended Solids	2.4	MG/L	MDL	1.1	4.0	J	SM 2540 D		
SEEP-D-INFLUENT-TSS-022823	02/28/2023	320-97250-4	Total Suspended Solids	1.2	MG/L	MDL	1.1	4.0	J	SM 2540 D		