



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

INTERIM SEEP REMEDIATION OPERATION AND MAINTENANCE REPORT #7

Chemours Fayetteville Works

Prepared for

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Geosyntec Project Number TR0795A

March 31, 2022



EXECUTIVE SUMMARY

This Operations and Maintenance Report #7 (O&M Report #7) 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, 2022. The median flow rate processed by the Seep A, B, and C, and D FTCs was 67, 155, 25, and 70 gallons per minute (gpm), respectively. As documented in the previous O&M Reports #1 through #6, 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 27,800,000 gallons of seep flow. Composite samples from performance monitoring indicated that the average PFAS removal efficiency of the captured base flow was approximately 98.5%, and the FTCs are estimated to have prevented approximately 41.6 pounds (lbs) of PFAS from being discharged to the Cape Fear River in the reporting period, and 272.5 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 #7 (“O&M Report #7”) 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 #7 has been prepared for the operational period of January 1 through February 28, 2022. The next O&M Report (#8) will cover the bimonthly period of March 1 through April 30, 2022.

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 #7, 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, 2022).

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, maintenance, and monitoring 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 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, 2022. 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	34	25	59
B	31	28	59
C	41	18	59
D	40	19	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 on January 4, 2022 and returned below the action level on January 6, 2022. 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])
C	FB2	1/5/2022	80/21	6,000
A	FB1	1/13/2022	170/118.5	18,000
B	FB2	1/19/2022	226/137	27,000
A	FB2	1/26/2022	56/11	18,000
C	FB2	1/31/2022	27/0	9,000
A	FB1	2/2/2022	22/10.5	18,000
C	FB1	2/4/2022	52/30	9,000
C	FB2	2/7/2022	8/1	9,000
D	FB1	2/11/2022	108/84.5	27,000
A	FB2	2/17/2022	22/14.5	18,000
B	FB1	2/18/2022	163/29	18,000
C	FB1	2/23/2022	20/18	9,000
Total				186,000

2.5 Issues Encountered and Resolutions

In January, most notably after the heavy rains in the first half of the month, the operations, maintenance, and monitoring team observed that turbidity in the seepage water and in the impoundments appeared to be more severe compared to previous storm events in 2021. In the catchments of Seeps A and C in particular, construction activities to support installation of the long-term groundwater remedy were initiated in 4Q 2021, during drought conditions, and largely consisted of clearing and grubbing; treatment equipment pad and material laydown area installation; and road building. It was suspected that the heavy rains in early January introduced suspended sediment from cleared areas and fines from newly placed stone into the impoundments. Although the conditions of the erosion and sediment control permit were being met, the following enhancements were installed:

- 1,320 linear feet (LF) of reinforced silt fence in the Seep A catchment
- 1,260 LF of reinforced silt fence in the Seep C catchment
- 150 LF of jute porous baffles in Seep A tributaries
- 20 LF of jute porous baffles in Seep C tributaries
- 215 tons of Class B riprap and 300 square yards of geotextile in Seep A for rock checks and flow velocity reduction
- 2 acres of mulch laid on recently cleared land
- Four 4-inch diameter corrugated drainage pipes (50 LF each) in Seep C catchment to redistribute consolidated drainage
- 8 Floc Logs (pre-approved Applied Polymer Systems [APS] model 703D#3) in the Seep C tributaries

The operations team additionally observed that typical maintenance practices, such as removal of the top layer of GAC, were less effective than typical at lowering the elevation of the impoundment at Seeps A and C specifically; and that the Seeps A and C filter beds were becoming difficult to dewater via pumping out the underdrains, indicating either deep penetration of sediment into the GAC, and/or clogged gravel and underdrain piping. To complement the erosion and sediment control enhancements discussed above, the following actions were also taken within the Seep A and C FTCs:

- The gravel drainage layer in the filter beds was removed during a GAC changeout event, and the perforated underdrain pipes were temporarily dismantled, cleaned, and re-installed. Fresh gravel was installed over the cleaned pipes. At Seep C in particular, a significant amount of GAC was identified in several underdrain pipes that was throttling flow.
- Cleanouts were installed on each underdrain line to facilitate jetting of the lines on a routine basis in the future. Jetting will be performed from the transfer basin and will not require intrusive work in the filter beds.

- A sacrificial layer of GAC was installed in the Inlet Chambers, to enhance filtration of suspended solids prior to baseflow entering the lead filter bed.

Similar retrofits will be performed at Seeps B and D as a preventative measure in the next reporting period. Additionally, batten strips will be installed in the four FTCs that will allow for the geotextile separation layer between the gravel and GAC layers to be more securely bound to the concrete sidewalls, mitigating the risk of GAC migration into the gravel and underdrain pipes.

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, seven performance monitoring samples were collected at Seep A, five performance monitoring samples were collected at Seeps B and C, and four performance monitoring samples were collected at Seep D. 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. Twelve breakthrough monitoring samples each were collected from Seeps A during this reporting period, eight breakthrough monitoring samples were collected from Seeps B and C, and seven breakthrough monitoring samples were collected from Seep D during this reporting period (35 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, temperature, and total suspended solids (TSS) were measured using a calibrated In-Situ Aqua TROLL 500 Multiparameter Sonde.

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 for each of the data types collected are described below.

3.4.1 Transducer Monitoring Deviations

One instance of a transducer download was unsuccessful during this reporting period: the effluent transducer data at Seep D was inadvertently overwritten during retrieval on the January 17 O&M field event. Data for this location was lost for January 10 through January 17, 2022.

3.4.2 Water Quality

At Seeps C and D, water quality parameters were collected once in January and twice in February. The operations, maintenance, and monitoring staff reported that water quality parameters were collected twice during January; however, the data from the first half of January were inadvertently misplaced. There were no deviations in water quality measurements at Seeps A and B.

3.4.3 Performance Monitoring Sampling Deviations

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

- On January 4, 2022, the Cape Fear River flooded and rose above the action level for removing autosamplers (Section 2.3), interrupting the 14-day composite samples that began on January 1. To maintain the sampling program for the first half of January, the operation, maintenance, and monitoring staff re-programmed the autosamplers to collect two 24-hour composite samples at Seeps A-C (January 8 and 12). At Seep D, only one 24-hour sample was collected on January 12. An internal computer error in the autosampler prevented collection of the sample scheduled for the first week of January, and any follow-up attempt to collect a resample was inadvertently overlooked.
- On February 15, 2022, the 14-day composite sample for Seep A that started on February 1 was identified as incomplete due to a mechanical malfunction within the autosampler that was previously undetectable. To maintain the sampling program in February for Seep A, the operation, maintenance, and monitoring staff re-programmed the autosamplers to collect four 24-hour composite samples (February 20, 23, 24, and 25).

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 (<i>January 1 – February 28, 2022</i>)				
Rainfall, Actual (in)	5.59 (<i>January 1 – February 28, 2022</i>)				
Rainfall, Historical Average (in)	5.17 (<i>January 1- February 28, 2004-2020</i>)				
River Above Spillway (days) *	0.1	0	0	0.1	N/A
Operational Period (days)	59	59	59	59	N/A
Median Flow Rate (gpm)	67	155	25	70	317
Seep Volume Treated (gallons)	7,000,000	12,900,000	2,500,000	5,400,000	27,800,000
PFAS Removed (lbs)	9.3	24.9	1.7	5.6	41.6

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

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	67	155	25	70
95 th percentile Flow Rate (gpm) during the Reporting Period	241	301	80	301
Design Basis Flow Rate * (gpm)	205	226	76	183

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

Using the measured and extrapolated flowrate calculations, approximately 7,000,000 gallons, 12,900,000 gallons, 2,500,000 gallons, and 5,400,000 gallons of water (27,800,000 gallons total) were treated by the Seeps A, B, C, and D FTCs, respectively, from January 1 through February 28, 2022.

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 4.54 inches, which is approximately double the historical average of 2.28 inches. In February, the total rainfall was 1.05 inches, approximately 64% less than the historical average of 2.89 inches. The effects on turbidity from the early January heavy rains, and the actions taken within the catchments and within the FTCs, are discussed in Section 2.5. The instances of bypass caused by these heavy rains were generally addressed in Seeps B and D, with maintenance events as needed lowering the impoundment below the spillway similar to previous reporting periods. At Seeps A and C, prior to the overhaul of the gravel drainage layer and underdrain piping within the filter beds, the maintenance events had a reduced effectiveness compared to previous reporting periods. In late January, after the improvements had been implemented in both FTCs, maintenance events at Seeps A and C were observed to be effective again, and the impoundment was generally maintained below the level of the spillway from January 25 through February 28.

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.

Analytical Results – Performance Monitoring	Seep A	Seep B	Seep C	Seep D
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L)	171,400	194,000	84,200	92,800
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	8,800	240	430	50
Average Removal Efficiency (%)	94.9	99.9	99.5	>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.

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 97.7%. 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	
%	88.4	95.6	99.8	99.8	99.0	99.3	>99.9	99.9	97.7

The system effectiveness for Seep A in January (88.4%) was above the requirement of 80%, but it is noted that the system effectiveness for the four systems is typically higher, between 95-100%. The January 20 – 31 composite sample for Seep A indicated an overall removal effectiveness of Table 3+ PFAS of approximately 78-79%, whereas the other performance monitoring data in January for Seep A indicate nearly 100% removal.

4.4 Wet Weather Sampling Results

Wet weather monitoring samples were collected at Seeps A-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)	170,000	175,000	73,500	91,000
Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	220	120	300	20
Removal Efficiency (%)	99.9	99.9	99.6	>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 discharge weir (Weir 3), 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 repair any damages from flooding.

A statistical summary of the Cape Fear River elevation relative to these key elevations is provided in Table 5. The Cape Fear River rose above the discharge weir elevation at Seeps A-D over January 4-7, 2022. The Cape Fear River rose above the Bypass Spillway elevation at Seeps A and D on January 6, 2022. The river did not rise above the elevations of the top of the FTC walls at any point during the reporting period.

The changes in elevation of the Cape Fear River during the reporting period (January 1 through February 28, 2022) 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 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 less than 1 mg/L. Aerobic (>2 mg/L) conditions were maintained during the process. 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 1°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 -11.2 and -33.0 µS/cm.
- **pH:** From the IC to the ESB, the median pH of treated water increased at Seeps A, B, and D (1.9, 0.8, and 1.9 S.U., respectively). The pH decreased slightly (1.2 S.U.) at Seep C. The decrease at Seep C appears to be anomalous; since startup in December 2020, the pH at Seep C has consistently increased from the IC to the ESB, which is anticipated due to the inflow's contact with the concrete walls of the FTC and the GAC in the filter beds. The median effluent pH at the four seeps is generally circumneutral and ranged from 6.0 to 7.5 S.U. in this reporting period.
- **Turbidity and TSS:** The median turbidity of the influent water at Seeps A, B, C, and D ranged from 1.2 to 208.7 NTU. The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A-D ranged from 0.3 to 38.9 NTU. The TSS was observed to be 0.0 mg/L for all influent and effluent monitoring locations.

5. SUMMARY

The following summarizes the FTCs' performance after the completion of the latest reporting period (January 1 through February 28, 2022):

- 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 98.5%. To date, the A-D FTCs have prevented approximately 272.5 lbs of PFAS from being discharged to the Cape Fear River.
- Monitoring of the Seeps A and C impoundments indicated higher than past levels of turbidity in this reporting period as compared to previous months, and actions were taken in the catchments to enhance the existing erosion and sediment controls that were already in place as part of compliance with construction permits. Overhauling the filter beds of the FTCs identified migration of sediment and GAC into the gravel drainage and perforated underdrain pipes. After improving the catchment erosion controls, and after overhauling the underdrain components in particular, the FTCs appeared to return to their previous effectiveness. Additional improvements are underway to improve the separation of the GAC and gravel layers.

The next reporting period (March 1 through April 30, 2022) will be detailed in O&M Report #8, to be submitted no later than May 31, 2022.

6. REFERENCES

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- Geosyntec, 2021d. Interim Seep Remediation Operation and Maintenance Report #4. Chemours Fayetteville Works. 30 September 2021.
- Geosyntec, 2021e. Interim Seep Remediation Operation and Maintenance Report #5. Chemours Fayetteville Works. 30 November 2021.
- Geosyntec, 2021f. Interim Seep Remediation Operation and Maintenance Report #6. Chemours Fayetteville Works. 31 January 2022.

TABLES

Table 1a
Summary of Operations and Maintenance Activities - Seep A
Reporting Period 7 (January - February 2022)
 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			
01/04/2022	252	Yes	X			Lead	Lag	Lead	Lag	X	Skimmed and fluffed FB1.	River level is visibly over outlet pipe. Rain gauge reading of 2.25 inches. Water at weir plate from back pressure of outfall.
01/05/2022	253	Yes				Lead	Lag	Lead	Lag		N/A	Observed high river levels.
01/06/2022	254	Yes				Lead	Lag	Lead	Lag		Skimmed, fluffed, and replaced fabric in FB1.	River is visibly over spillway outlet.
01/08/2022	256	--		X		Lead	Lag	Lead	Lag		N/A	N/A
01/10/2022	258	Yes	X			Lead	Lag	Lead	Lag	X	Flushed inlet.	Rain gauge reading of 0.5 inches.
01/11/2022	259	No			X	Lead	Lag	Lead	Lag		N/A	Water observed in spillway but not bypassing.
01/12/2022	260	No				Closed	Lead	Changeout	Lead		N/A	N/A
01/13/2022	261	No				Changeout	Lead	Lag	Lead		Skimmed and fluffed FB2. Installed remaining GAC in FB1.	Very low turbidity observed in reservoir.
01/15/2022	263	--		X		Lag	Lead	Lag	Lead		N/A	N/A
01/17/2022	265	Yes	X			Lag	Lead	Lag	Lead	X	N/A	Rain gauge reading of 1.5 inches.
01/18/2022	266	Yes				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	Lead appears to not be processing well. Sediment pond very turbid.
01/20/2022	268	Yes				Lag	Lead	Lag	Lead		Flushed influent basin. Vacuumed FB1. Skimmed, fluffed, and replaced fabric at FB2.	N/A
01/21/2022	269	Yes	X			Lag	Lead	Parallel	Parallel		Installed filter fabric at FB1 prior to switching operational mode to parallel processing.	Rain gauge reading of 0.4 inches. Brownish hue and considerable turbidity in inlet reservoir. Strong flow observed after system set in parallel.
01/24/2022	272	Yes	X			Parallel	Parallel	Lead	Lag	X	Fluffed FB2.	N/A
01/25/2022	273	--	X			Lead	Lag	Lead	Lag		N/A	N/A
01/26/2022	274	No				Lead	Changeout	Lead	Changeout		GAC changeout at FB2.	N/A
01/27/2022	275	No	X			Lead	Lag	Lead	Lag		Skimmed and fluffed FB1 and FB2.	12+ inches of freeboard.
01/29/2022	277	No				Lead	Lag	Lead	Lag		N/A	10 inches of freeboard. Rain gauge reading of 0.1 inches.
01/31/2022	279	No	X			Lead	Lag	Lead	Lag	X	Skimmed and fluffed FB1.	4 inches of freeboard. Sediment pond appears clear. Double ribbons over Weir 3.
02/01/2022	280	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Observed clear water.
02/02/2022	281	No				Changeout	Lead	Lag	Lead		GAC changeout at FB1.	N/A
02/03/2022	282	No				Lag	Lead	Lag	Lead		Skimmed, fluffed, and raked FB2.	N/A
02/04/2022	283	No				Lag	Lead	Lag	Lead		N/A	Inlet filter has GAC and has created a 1 inch head difference.
02/05/2022	284	No				Lag	Lead	Lag	Lead		Wet vacuumed inlet.	Water level in reservoir increased by 1 inch from the day before.
02/06/2022	285	No				Lag	Lead	Lag	Lead		Cleaned and fluffed FB2. Wet vacuumed inlet.	Observed an increase in water levels through all cells and reservoir.
02/07/2022	286	No	X			Lag	Lead	Lag	Lead	X	N/A	4 inches of freeboard.
02/08/2022	287	Yes				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	N/A
02/09/2022	288	Yes				Lag	Lead	Lag	Lead		Skimmed and fluffed both FB1 and FB2.	N/A
02/10/2022	289	Yes				Lag	Lead	Lad	Lead		Drained FB2 and mid-basin. Drilled holes in mid-basin under drain to allow for pressure washing.	N/A
02/11/2022	290	No	X			Lag	Lead	Lag	Lead		Pressure washing under drains FB2 skim and fluff.	14" of freeboard. Slightly turbid sediment pond.
02/14/2022	293	--				Lag	Lead	Parallel	Parallel	X	N/A	N/A
02/15/2022	294	No				Parallel	Parallel	Lag	Lead		Skim and fluff FB1.	N/A
02/16/2022	295	No				Lag	Lead	Lag	Lead		N/A	12" of freeboard.
02/17/2022	296	--				Lead	Changeout	Lead	Lag		GAC changeout at FB2.	N/A
02/19/2022	298	No				Lead	Lag	Lead	Lag		N/A	No evidence of bypass. 14" freeboard. Clear sediment pond.
02/20/2022	299	No		X		Lead	Lag	Lead	Lag		N/A	N/A
02/21/2022	300	No	X			Lead	Lag	Lead	Lag	X	N/A	N/A
02/23/2022	302	No				Lead	Lag	Lead	Lag		Installed plugs in mid-basin.	12" of freeboard.
02/24/2022	303	No		X		Lead	Lag	Lead	Lag		N/A	12" of freeboard.
02/25/2022	304	No		X		Lead	Lag	Lead	Lag		Skimmed and fluffed FB2.	12" of freeboard.
02/28/2022	307	Yes	X	X	X	Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Rain gauge reading of 0.4 inches. 4.5 inches of freeboard after maintenance.

Notes
 FB1 - Filter Bed 1
 FB2 - Filter Bed 2
 FTC - flow through cell
 GAC - granulated activated carbon
 ISCO - Teledyne ISCO Autosampler
 mm - millimeters
 N/A - Not Applicable

Table 1b
Summary of Operations and Maintenance Activities - Seep B
Reporting Period 7 (January - February 2022)
 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			
01/04/2022	211	Yes	X			Lag	Lead	Lag	Lead	X	Skimmed and fluffed FB2.	River visibly over outlet pipe. Rain gauge reading of 2.25 inches.
01/07/2022	214	Yes				Lag	Lead	Lag	Lead		Skimmed, fluffed, and replaced fabric in FB2.	Observed decrease in river level.
01/08/2022	215	--		X		Lag	Lead	Lag	Lead		N/A	N/A
01/10/2022	217	Yes				Lag	Lead	Lag	Lead	X	N/A	Rain gauge reading of 9/16 inches.
01/11/2022	218	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	Observed water in spillway but not bypassing.
01/12/2022	219	No				Lag	Lead	Lag	Lead		N/A	1 inch of freeboard.
01/14/2022	221	No				Lag	Lead	Lag	Lead		Skimmed, fluffed, and replaced fabric in FB2.	N/A
01/15/2022	222	--		X		Lag	Lead	Lag	Lead		N/A	N/A
01/17/2022	224	Yes	X		X	Lag	Lead	Lag	Lead	X	Cleaned FB2.	Rain gauge reading of 1.56 inches.
01/19/2022	226	No				Lead	Changeout	Lead	Lag		Carbon changeout at FB2.	N/A
01/24/2022	231	Yes	X			Lead	Lag	Lead	Lag	X	Performed maintenance on inlet and FB1.	N/A
01/28/2022	235	No				Lead	Lag	Lead	Lag		Cleaned FB1.	N/A
01/29/2022	236	No				Lead	Lag	Lead	Lag		N/A	4.5 inches of freeboard.
01/30/2022	237	No				Lead	Lag	Lead	Lag		N/A	5 inches of freeboard.
01/31/2022	238	No	X	X		Lead	Lag	Lead	Lag	X	N/A	5 inches of freeboard.
02/01/2022	239	No				Lead	Lag	Lead	Lag		N/A	N/A
02/03/2022	241	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	N/A
02/04/2022	242	No				Lead	Lag	Lead	Lag		N/A	N/A
02/07/2022	245	No	X			Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 0.2 inches. 4 inches of freeboard.
02/08/2022	246	No				Lead	Lag	Lead	Lag		Cleaned FB1.	Rain gauge reading of 1.75 inches.
02/10/2022	248	No				Lead	Lag	Lead	Lag		N/A	4.75 inches of freeboard.
02/11/2022	249	No				Lead	Lag	Lead	Lag		Skim and fluff FB1.	N/A
02/14/2022	252	No	X			Lead	Lag	Lead	Lag	X	N/A	N/A
02/15/2022	253	No		X		Lead	Lag	Lead	Lag		Cleaned FB1.	High water column in FB1.
02/16/2022	254	No				Lead	Lag	Lead	Lag		N/A	N/A
02/18/2022	256	--				Changeout	Lead	Lag	Lead		GAC Changeout at FB1.	N/A
02/19/2022	257	No				Lag	Lead	Lag	Lead		N/A	No evidence of bypass in spillway. 14" freeboard.
02/20/2022	258	No				Lag	Lead	Lag	Lead		N/A	Dry spillway.
02/21/2022	259	No	X			Lag	Lead	Lag	Lead	X	N/A	12 inches of freeboard.
02/22/2022	260	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	8 inches of freeboard
02/24/2022	262	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard.
02/28/2022	266	No	X		X	Lag	Lead	Lag	Lead		Cleaned FB2.	N/A
03/01/2022	267	No		X		Lag	Lead	Lag	Lead	X	100 lbs of biocide applied to the inlet reservoir.	N/A

Notes

FB1 - Filter Bed 1
 FB2 - Filter Bed 2
 FTC - flow through cell
 GAC - granulated activated carbon
 ISCO - Teledyne ISCO Autosampler
 mm - millimeters
 N/A - Not Applicable

Table 1c
Summary of Operations and Maintenance Activities - Seep C
Reporting Period 7 (January - February 2022)
 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			
01/04/2022	385	Yes	X			Lag	Lead	Lead	Closed	X	Began dewatering FB2.	Large amount of water observed flowing under culvert at access road. Rain gauge reading of 2 and 7/16 inches. Large head difference in the sump well at FB2.
01/05/2022	386	No				Lead	Changeout	Lead	Changeout		N/A	Observed river water in outlet and river 2 to 3 feet from the edge of cell.
01/08/2022	389	--		X		Lead	Lag	Lead	Lag		GAC Changeout at FB1.	
01/10/2022	391	Yes				Lead	Lag	Lead	Lag	X	Hard flush in FB1 and influent stilling basin.	Rain gauge reading of 9/16 inches. Observed turbid water in reservoir.
01/11/2022	392	No			X	Lead	Lag	Lead	Lag		Skimmed, fluffed, and replaced fabric in FB1.	Observed water in spillway but no bypass.
01/12/2022	393	No				Lead	Lag	Lead	Lag		N/A	3 inches of freeboard.
01/14/2022	395	Yes				Lead	Lag	Lead	Lag		Skimmed and fluffed FB2.	N/A
01/15/2022	396	--		X		Lead	Lag	Lead	Lag		GAC Changeout at FB1.	N/A
01/17/2022	398	Yes	X			Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 1.57 inches.
01/19/2022	400	No				Lead	Lag	Lead	Lag		Skim and fluff FB2.	N/A
01/24/2022	405	Yes	X			Lead	Lag	Lead	Lag	X	N/A	FB1 was frozen.
01/25/2022	406	Yes	X			Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Observed flow of sediment from pond into spillway.
01/26/2022	407	No				Lead	Lag	Lead	Lag		N/A	N/A
01/29/2022	410	No				Lead	Lag	Lead	Lag		Ran in parallel for two hours. Inlet filter had a layer of GAC installed in the forebay on 1/28/2022.	3.5 inches of freeboard. Brown hue observed in reservoir.
01/30/2022	411	No				Lead	Lag	Lead	Lag		Ran in parallel for four hours.	2 inches of freeboard. Sediment pond appeared turbid and icy.
01/31/2022	412	No	X	X		Lead	Changeout	Lead	Lag	X	Removal of GAC from FB2.	2 inches of freeboard. Sediment pond appeared turbid and icy.
02/01/2022	413	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Flushed inlet.	N/A
02/03/2022	415	No				Lead	Lag	Lead	Lag		Cleaned out gravel from inlet basin to be replaced with GAC.	5 inches of freeboard.
02/04/2022	416	--				Changeout	Lag	Lead	Lag		GAC Changeout at FB1.	N/A
02/05/2022	417	No				Parallel	Parallel	Parallel	Parallel		Removed GAC from inlet.	FB2 appears to not be processing as efficiently as FB1.
02/07/2022	419	No	X			Parallel	Changeout	Lead	Lag	X	Refit FB2. Changed to parallel and shut off during changeout of FB2.	Rain gauge reading of 0.2 inches. 6 inches of freeboard. Turbidity observed in sediment pond.
02/08/2022	420	--			X	Lead	Lag	Lead	Lag		N/A	N/A
02/13/2022	425	No				Lead	Lag	Lead	Lag		Skim and fluff FB1.	N/A
02/14/2022	426	No	X			Lead	Lag	Lead	Lag	X	N/A	N/A
02/15/2022	427	No		X		Lead	Lag	Lead	Lag		Clean FB1.	Turbid water through mid and effluent.
02/16/2022	428	--				Lead	Lag	Lead	Lag		N/A	N/A
02/17/2022	429	No				Lead	Lag	Lead	Lag		Skimmed, fluffed, and replaced fabric in FB1. Cleaned under drain and mid-basin.	4 inches of freeboard.
02/18/2022	430	No				Lead	Lag	Lead	Lag		Skim and fluff FB2.	No evidence of bypass in spillway. 3-4" freeboard
02/19/2022	431	No				Lead	Lag	Lead	Lag		N/A	Turbidity in sediment pond. 5" freeboard. No evidence of bypass in spillway.
02/20/2022	432	No				Lead	Lag	Lead	Lag		Skim and fluff FB1.	N/A
02/21/2022	433	No	X			Lead	Lag	Parallel	Parallel	X	N/A	N/A
02/23/2022	435	No				Changeout	Lead	Lag	Lead		FB1 GAC changeout.	N/A
02/24/2022	436	No				Lag	Lead	Lag	Lead		N/A	N/A
02/26/2022	438	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard.
03/01/2022	441	No		X		Lag	Lead	Lag	Lead	X	Cleaned FB2.	5 inches of freeboard.

Notes
 FB1 - Filter Bed 1
 FB2 - Filter Bed 2
 FTC - flow through cell
 GAC - granulated activated carbon
 ISCO - Teledyne ISCO Autosampler
 mm - millimeters
 N/A - Not Applicable

Table 1d
Summary of Operations and Maintenance Activities - Seep D
Reporting Period 7 (January - February 2022)
 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			
01/04/2022	195	No	X			Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 2.25 inches, 4.5 inches of freeboard. River high at outlet.
01/06/2022	197	Yes				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Observed river flowing into spillway.
01/10/2022	201	No				Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 19.5 mm. Kink in influent datalogger cord.
01/12/2022	203	No		X		Lead	Lag	Lead	Lag		N/A	10 inches of freeboard.
01/13/2022	204	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Fluffed FB2.	N/A
01/17/2022	208	No	X		X	Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 2.3 inches. 10 inches of freeboard.
01/20/2022	211	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	0.5 inches of freeboard.
01/24/2022	215	No	X			Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 0.75 inches.
01/25/2022	216	No				Lead	Lag	Lead	Lag		N/A	8 inches of freeboard. Low turbidity observed in sediment pond. Layer of bacteria observed on FB1 matting.
01/26/2022	217	No				Lead	Lag	Lead	Lag		N/A	6 inches of freeboard. Little to no turbidity observed in sediment pond.
01/29/2022	220	No				Lead	Lag	Lead	Lag		N/A	Rain gauge reading of 0.1 inches. 16 inches of freeboard. Sediment pond does not appear turbid.
01/31/2022	222	No	X	X		Lead	Lag	Lead	Lag	X	N/A	14 inches of freeboard. Sediment pond does not appear turbid.
02/02/2022	224	No				Lead	Lag	Lead	Lag		Wet vacuumed FB1.	14 inches of freeboard. Sediment pond appears clear.
02/04/2022	226	No				Lead	Lag	Lead	Lag		Cleaned FB1.	Reservoir appears clear. Low water level in reservoir.
02/07/2022	229	No	X			Lead	Lag	Lead	Lag	X	N/A	Rain gauge reading of 0.2 inches. 14 inches of freeboard. Sediment pond appears clear.
02/09/2022	231	No				Lead	Lag	Lead	Lag		Post-storm inspection.	Over 1 foot of freeboard.
02/10/2022	232	No				Lead	Lag	Lag	Lead			Clear water.
02/11/2022	233	--				Changeout	Lead	Lag	Lead		Changeout at FB1.	N/A
02/14/2022	236	No	X			Lag	Lead	Lag	Lead	X	N/A	N/A
02/15/2022	237	--		X		Lag	Lead	Lag	Lead		N/A	N/A
02/16/2022	238	No				Lag	Lead	Lag	Lead		N/A	N/A
02/17/2022	239	No				Lag	Lead	Lag	Lead		Skim fluff FB2.	N/A
02/19/2022	241	No				Lag	Lead	Lag	Lead		N/A	Caption:no evidence of bypass in spillway. 14" freeboard. Clean sediment pond.
02/20/2022	242	No				Lag	Lead	Lag	Lead		N/A	
02/21/2022	243	No	X			Lag	Lead	Lag	Lead	X	Low system flows.	12 inches of freeboard.
02/24/2022	246	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	Reservoir water noted to be more turbid than usual. About 7.5 inches of freeboard.
02/28/2022	250	--			X	Lag	Lead	Lag	Lead		N/A	N/A
03/01/2022	251	No		X		Lag	Lead	Lag	Lead	X	Greenclean added to cell and reservoir.	N/A

Notes
 FB1 - Filter Bed 1
 FB2 - Filter Bed 2
 FTC - flow through cell
 GAC - granulated activated carbon
 ISCO - Teledyne ISCO Autosampler
 mm - millimeters
 N/A - Not Applicable

Table 2a
Sampling Summary - Seep A
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-24-010822 SEEP-A-EFFLUENT-24-010822	January 8, 2022	January 8, 2022
SEEP-A-INFLUENT-24-011522 SEEP-A-INFLUENT-24-011522	January 15, 2022	January 15, 2022
SEEP-A-INFLUENT-270-013122 SEEP-A-EFFLUENT-276-013122	January 20 - January 31, 2022	January 31, 2022
SEEP A-INFLUENT-24-022022 SEEP A-EFFLUENT-24-022022	February 19 - February 20, 2022	February 20, 2022
SEEP A-INFLUENT-24-022322 SEEP A-EFFLUENT-24-022322	February 22 - February 23, 2022	February 23, 2022
SEEP A-INFLUENT-24-022422 SEEP A-EFFLUENT-24-0022422	February 23 - February 24, 2022	February 24, 2022
SEEP A-INFLUENT-24-022422 SEEP A-EFFLUENT-24-022522	February 24 - February 25, 2022	February 25, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-A-INFLUENT-RAIN-23-011122 SEEP-A-EFFLUENT-RAIN-24-011122	January 11, 2022	07:00	0.49
SEEP-A-INFLUENT-RAIN-23-022822 SEEP-A-EFFLUENT-RAIN-24-022822	February 28, 2022	18:00	0.33

Notes

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 Two 24-hour effluent composite samples were collected for the first half of January because the flooding of the Cape Fear River on January 4-7, 2022, interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 3 Four 24-hour effluent composite samples were collected for February instead of two 14-day composites because of an autosampler error that compromised the initial two-week composite sample. See Section 3.4.2 for details.
- 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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-24-010822 SEEP-B-EFFLUENT-24-010822	January 8, 2022	January 8, 2022
SEEP-B-INFLUENT-24-011522 SEEP-B-EFFLUENT-24-011522	January 15, 2022	January 15, 2022
SEEP-B-INFLUENT-264-013122 SEEP-B-EFFLUENT-276-013122	January 20 - January 31, 2022	January 31, 2022
SEEP-B-INFLUENT-336-021522 SEEP-B-EFFLUENT-336-021522	February 1 - February 15, 2022	February 15, 2022
SEEP-B-INFLUENT-312-030122 SEEP-B-EFFLUENT-312-030122	February 16 - March 1, 2022	March 1, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-B-INFLUENT-RAIN-24-011722 SEEP-B-EFFLUENT-RAIN-24-011722	January 17, 2022	10:15	1.41
SEEP-B-INFLUENT-RAIN-24-022822 SEEP-B-EFFLUENT-RAIN-24-022822	February 28, 2022	18:00	0.33

Notes

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 Two 24-hour effluent composite samples were collected for the first half of January because the flooding of the Cape Fear River on January 4-7, 2022, interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-24-010822 SEEP-C-EFFLUENT-24-010822	January 8, 2022	January 8, 2022
SEEP-C-INFLUENT-24-011522 SEEP-C-EFFLUENT-24-011522	January 15, 2022	January 15, 2022
SEEP-C-INFLUENT-240-013122 SEEP-C-EFFLUENT-156-013122	January 20 - January 31, 2022	January 31, 2022
SEEP-C-INFLUENT-192-021522 SEEP-C-EFFLUENT-336-021522	February 1 - February 15, 2022	February 15, 2022
SEEP-C-INFLUENT-312-030122 SEEP-C-EFFLUENT-282-030122	February 16 - March 1, 2022	March 1, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-C-INFLUENT-RAIN-22-011122 SEEP-C-EFFLUENT-RAIN-24-011122	January 11, 2022	06:55	0.49
SEEP-C-INFLUENT-RAIN-24-020822 SEEP-C-EFFLUENT-RAIN-24-020822	February 8, 2022	14:10	0.55

Notes

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 Two 24-hour effluent composite samples were collected for the first half of January because the flooding of the Cape Fear River on January 4-7, 2022, interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-24-011222 SEEP-D-EFFLUENT-24-011222	January 12, 2022	January 12, 2022
SEEP-D-INFLUENT-276-013122 SEEP-D-EFFLUENT-276-013122	January 20 - January 31, 2022	January 31, 2022
SEEP-D-INFLUENT-336-021522 SEEP-D-EFFLUENT-336-021522	February 1 - February 15, 2022	February 15, 2022
SEEP-D-INFLUENT-312-030122 SEEP-D-EFFLUENT-312-030122	February 16 - March 1, 2022	March 1, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-D-INFLUENT-RAIN-24-011722 SEEP-D-EFFLUENT-RAIN-24-011722	January 17, 2022	06:55	1.41
SEEP-D-INFLUENT-RAIN-24-022822 SEEP-D-EFFLUENT-RAIN-24-022822	February 28, 2022	18:00	0.33

Notes

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 A 24-hour effluent composite sample was collected for the first half of January because the flooding of the Cape Fear River on January 4-7, 2022, interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-A-INFLUENT- 24-010822	SEEP-A-EFFLUENT- 24-010822	Percent Removal	SEEP-A-Influent-24- 011522	SEEP-A-Effluent-24- 011522	Percent Removal	SEEP-A-INFLUENT- 270-013122	SEEP-A-EFFLUENT- 276-013122	Percent Removal	SEEP-A-INFLUENT- 24-022022	SEEP-A-EFFLUENT- 24-022022	Percent Removal
	Sample Date: 8-Jan-02	Sample Date: 8-Jan-02		Sample Date: 15-Jan-22	Sample Date: 15-Jan-22		Sample Date: 31-Jan-22	Sample Date: 31-Jan-22		Sample Date: 20-Feb-22	Sample Date: 20-Feb-22	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	22,000	8.5	>99.9%	24,000	15	99.9%	25,000	4900	80.4%	21,000	580	97.2%
PFMOAA	65,000	28	>99.9%	69,000	42	99.9%	62,000	12000	80.6%	67,000	2,000	97.0%
PFO2HxA	35,000	11	>99.9%	36,000	16	>99.9%	30,000	6400	78.7%	37,000	1,100	97.0%
PFO3OA	13,000	3.3	>99.9%	13,000	5	>99.9%	11,000	2,300	79.1%	12,000	360	97.0%
PFO4DA	6,700	<2.0	100.0%	7,100	<2.0	100.0%	6,400	1,300	79.7%	6,800	190	97.2%
PFO5DA	3,900	<2.0	100.0%	3,700	<2.0	100.0%	3,000	620	79.3%	3,600	100	97.2%
PMPA	15,000	16	99.9%	16,000	13	99.9%	12,000	2,900	75.8%	15,000	470	96.9%
PEPA	5,900	<2.0	100.0%	5,700	<2.0	100.0%	4,700	1,000	78.7%	5,800	170	97.1%
PS Acid	2,200	<2.0	100.0%	1,400	<2.0	100.0%	2,200	450	79.5%	800	12	98.5%
Hydro-PS Acid	1,300	<2.0	100.0%	1,200	<2.0	100.0%	1,000	220	78.0%	1,200	34	97.2%
R-PSDA	1,700 J	<2.0	100.0%	2,200 J	<2.0	100.0%	390 J	340 J	14.7%	2,200 J	63 J	97.1%
Hydrolyzed PSDA	19,000 J	4.9 J	>99.9%	25,000 J	4.2 J	>99.9%	8,300 J	3,600 J	56.6%	25,000 J	650 J	97.4%
R-PSDCA	45	<2.0	100.0%	38	<2.0	100.0%	37	7	80.8%	100	<2.0	100.0%
NVHOS, Acid Form	1,000	<2.0	100.0%	1,100	<2.0	100.0%	880	200	77.3%	1,100	31	97.2%
EVE Acid	250	<2.0	100.0%	170	<2.0	100.0%	300	63	79.0%	100	<2.0	100.0%
Hydro-EVE Acid	1,400	<2.0	100.0%	1,400	<2.0	100.0%	1,200	250	79.2%	1,500	43	97.1%
R-EVE	750 J	<2.0	100.0%	920 J	<2.0	100.0%	210 J	150 J	28.6%	1,000 J	29 J	97.1%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.7	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<4.8	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	170,000	67	>99.9%	180,000	91	99.9%	160,000	33,000	79.4%	170,000	5,100	97.0%
Total Table 3+ (20 compounds)¹	190,000	72	>99.9%	210,000	95	>99.9%	170,000	37,000	78.2%	200,000	5,800	97.1%

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.

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-A-INFLUENT- 24-022322	SEEP-A-EFFLUENT- 23-022322	Percent Removal	SEEP-A-INFLUENT- 24-022422	SEEP-A-EFFLUENT- 24-022422	Percent Removal	SEEP-A-INFLUENT- 24-022522	SEEP-A-EFFLUENT- 24-022522	Percent Removal
	Sample Date: 23-Feb-22	Sample Date: 23-Feb-22		Sample Date: 24-Feb-22	Sample Date: 24-Feb-22		Sample Date: 25-Feb-22	Sample Date: 25-Feb-22	
<i>Table 3 + SOP (ng/L)</i>									
Hfpo Dimer Acid	22,000	2,500	88.6%	23,000	290	98.7%	18,000	14	99.9%
PFMOAA	74,000	7,800	89.5%	64,000	730	98.9%	54,000	59 J	99.9%
PFO2HxA	40,000	4,500	88.8%	41,000	510	98.8%	35,000	27	99.9%
PFO3OA	14,000	1,500	89.3%	15,000	180	98.8%	12,000	8.5	99.9%
PFO4DA	7,700	860	88.8%	9,400	110	98.8%	8,100	5.2	99.9%
PFO5DA	3,800	430	88.7%	5,000	61	98.8%	4,200	3.3	99.9%
PMPA	16,000	1,800	88.8%	16,000	200	98.8%	14,000	19	99.9%
PEPA	6,000	690	88.5%	6,500	72	98.9%	5,500	<20	100.0%
PS Acid	860	91	89.4%	490	7.8	98.4%	420	<2.0	100.0%
Hydro-PS Acid	1,400	160	88.6%	1,300	16	98.8%	1,100	<2.0	100.0%
R-PSDA	2,500 J	260 J	89.6%	3,100 J	27 J	99.1%	2,600 J	<2.0	100.0%
Hydrolyzed PSDA	28,000 J	2,800 J	90.0%	36,000 J	300 J	99.2%	31,000 J	9.6 J	>99.9%
R-PSDCA	110	11	90.0%	110	<2.0	100.0%	99	<2.0	100.0%
NVHOS, Acid Form	1,200	140	88.3%	1,200	14	98.8%	950	2.4	99.7%
EVE Acid	100	12	88.0%	59	<2.0	100.0%	48	<2.0	100.0%
Hydro-EVE Acid	1,700	190	88.8%	1,500	19	98.7%	1,300	<2.0	100.0%
R-EVE	1,000 J	130 J	87.0%	1,300 J	11 J	99.2%	1,000 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.7	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<4.8	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	190,000	21,000	88.9%	180,000	2,200	98.8%	150,000	140	99.9%
Total Table 3+ (20 compounds)¹	220,000	24,000	89.1%	220,000	2,500	98.9%	190,000	150	99.9%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 3b
Summary of Performance Monitoring Analytical Results - Seep B
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-B-INFLUENT- 24-010822	SEEP-B-EFFLUENT- 24-010822	Percent Removal	SEEP-B-Influent-24- 011522	SEEP-B-Effluent-24- 011522	Percent Removal	SEEP-B-INFLUENT- 264-013122	SEEP-B-EFFLUENT- 276-013122	Percent Removal	SEEP-B-INFLUENT- 336-021522	SEEP-B-EFFLUENT- 336-021522	Percent Removal
	Sample Date: 8-Jan-22	Sample Date: 8-Jan-22		Sample Date: 15-Jan-22	Sample Date: 15-Jan-22		Sample Date: 31-Jan-22	Sample Date: 31-Jan-22		Sample Date: 15-Feb-22	Sample Date: 15-Feb-22	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	29,000	2.3	>99.9%	28,000	5.6	>99.9%	33,000	24	99.9%	24,000	12	>99.9%
PFMOAA	57,000	13	>99.9%	76,000	22	>99.9%	75,000	260	99.7%	86,000	96	99.9%
PFO2HxA	25,000	2	>99.9%	29,000	6.6	>99.9%	25,000	36	99.9%	33,000	35	99.9%
PFO3OA	6,600	<2.0	100.0%	7,100	<2.0	100.0%	6,400	6.2	99.9%	8,200	8	99.9%
PFO4DA	1,200	<2.0	100.0%	1,500	<2.0	100.0%	1,500	<2.0	100.0%	1,500	2	99.8%
PFO5DA	350	<2.0	100.0%	220	<2.0	100.0%	250	<2.0	100.0%	220	<2.0	100.0%
PMPA	28,000	14	>99.9%	29,000	14	>99.9%	27,000	83	99.7%	29,000	37	99.9%
PEPA	15,000	<20	100.0%	14,000	<20	100.0%	13,000	21	99.8%	14,000	<20	100.0%
PS Acid	1200	<2.0	100.0%	420	<2.0	100.0%	890	<2.0	100.0%	340	<2.0	100.0%
Hydro-PS Acid	800	<2.0	100.0%	770	<2.0	100.0%	760	<2.0	100.0%	770	<2.0	100.0%
R-PSDA	2,800 J	<2.0	100.0%	3,100 J	<2.0	100.0%	710 J	15 J	97.9%	3,400 J	<2.0	100.0%
Hydrolyzed PSDA	20,000 J	<2.0	100.0%	23,000 J	<2.0	100.0%	7,400 J	30 J	99.6%	31,000 J	6.2 J	>99.9%
R-PSDCA	48	<2.0	100.0%	42	<2.0	100.0%	44	<2.0	100.0%	42	<2.0	100.0%
NVHOS, Acid Form	1,800	<2.0	100.0%	1,900	<2.0	100.0%	1,700	<2.0	100.0%	2,000	<2.0	100.0%
EVE Acid	1000	<2.0	100.0%	310	<2.0	100.0%	680	<2.0	100.0%	290	<2.0	100.0%
Hydro-EVE Acid	1,600	<2.0	100.0%	1,600	<2.0	100.0%	1,400	<2.0	100.0%	1,600	<2.0	100.0%
R-EVE	1,900 J	<2.0	100.0%	1,900 J	<2.0	100.0%	550 J	5.2 J	99.1%	2,000 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	170,000	32	>99.9%	190,000	48	>99.9%	190,000	430	99.8%	200,000	190	99.9%
Total Table 3+ (20 compounds)¹	190,000	32	>99.9%	220,000	48	>99.9%	200,000	480	99.8%	240,000	200	99.9%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 3b
Summary of Performance Monitoring Analytical Results - Seep B
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-B-INFLUENT- 312-030122	SEEP-B-EFFLUENT- 312-030122	Percent Removal
	Sample Date: 1-Mar-22	Sample Date: 1-Mar-22	
<i>Table 3 + SOP (ng/L)</i>			
Hfpo Dimer Acid	24,000	34	99.9%
PFMOAA	98,000	250	99.7%
PFO2HxA	42,000	53	99.9%
PFO3OA	10,000	8.6	99.9%
PFO4DA	1,900	<2.0	100.0%
PFO5DA	220	<2.0	100.0%
PMPA	29,000	110	99.6%
PEPA	14,000	33	99.8%
PS Acid	170	<2.0	100.0%
Hydro-PS Acid	730	<2.0	100.0%
R-PSDA	4,300 J	<2.0	100.0%
Hydrolyzed PSDA	38,000 J	26 J	99.9%
R-PSDCA	100	<2.0	100.0%
NVHOS, Acid Form	2,100	3.5	99.8%
EVE Acid	130	<2.0	100.0%
Hydro-EVE Acid	1,400	<2.0	100.0%
R-EVE	2,300 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	220,000	490	99.8%
Total Table 3+ (20 compounds)¹	270,000	520	99.8%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-C-INFLUENT- 24-010822	SEEP-C-EFFLUENT- 24-010822	Percent Removal	SEEP-C-Influent-24- 011522	SEEP-C-Effluent-24- 011522	Percent Removal	SEEP-C-INFLUENT- 240-013122	SEEP-C-EFFLUENT- 156-013122	Percent Removal	SEEP-C-INFLUENT- 192-021522	SEEP-C-EFFLUENT- 336-021522	Percent Removal
	Sample Date: 8-Jan-22	Sample Date: 8-Jan-22		Sample Date: 15-Jan-22	Sample Date: 15-Jan-22		Sample Date: 31-Jan-22	Sample Date: 31-Jan-22		Sample Date: 15-Feb-22	Sample Date: 15-Feb-22	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	14,000	5.3	>99.9%	15,000	24	99.8%	14,000	210	98.5%	13,000	58	99.6%
PFMOAA	34,000	35	99.9%	37,000	60 J	99.8%	37,000	350	99.1%	34,000	260	99.2%
PFO2HxA	16,000	7	>99.9%	17,000	14	99.9%	13,000	110	99.2%	16,000	64	99.6%
PFO3OA	5,600	2	>99.9%	5,300	3	99.9%	4,000	29	99.3%	5,000	18	99.6%
PFO4DA	1,900	<2.0	100.0%	2,000	<2.0	100.0%	1,600	11	99.3%	1,700	6	99.7%
PFO5DA	<78	<2.0	100.0%	96	<2.0	100.0%	100	<2.0	100.0%	<78	<2.0	100.0%
PMPA	6,700	12	99.8%	6,700	31	99.5%	<620	190	0% ³	6,400	73	98.9%
PEPA	2,300	<20	100.0%	2,200	<20	100.0%	1,500	45	97.0%	2,100	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	310	<2.0	100.0%	300	<2.0	100.0%	200	2	98.8%	260	<2.0	100.0%
R-PSDA	660 J	<2.0	100.0%	550 J	6.2 J	98.9%	<71	22 J	0% ³	530 J	30 J	94.3%
Hydrolyzed PSDA	620 J	<2.0	100.0%	630 J	4.4 J	99.3%	<38	20 J	0% ³	720 J	20 J	97.2%
R-PSDCA	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	510	<2.0	100.0%	520	<2.0	100.0%	<15	3	0% ³	480	2	99.6%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	920	<2.0	100.0%	900	<2.0	100.0%	600	9	98.5%	820	<2.0	100.0%
R-EVE	570 J	<2.0	100.0%	550 J	5.3 J	99.0%	<72	21 J	0% ³	540 J	14 J	97.4%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	82,000	62	99.9%	87,000	130	99.9%	72,000	960	98.7%	80,000	480	99.4%
Total Table 3+ (20 compounds)¹	84,000	62	99.9%	89,000	150	99.8%	72,000	1,000	98.6%	82,000	540	99.3%

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 - Removal percent cannot be calculated due to the elevated reporting limits in the influent sample.

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-C-INFLUENT- 312-030122	SEEP-C-EFFLUENT- 282-030122	Percent Removal
	Sample Date: 1-Mar-22	Sample Date: 1-Mar-22	
<i>Table 3 + SOP (ng/L)</i>			
Hfpo Dimer Acid	15,000	35	99.8%
PFMOAA	41,000	320	99.2%
PFO2HxA	23,000	71	99.7%
PFO3OA	7,200	17	99.8%
PFO4DA	2,800	7.1	99.7%
PFO5DA	<78	2.2	0% ³
PMPA	8,000	61	99.2%
PEPA	2,800	<20	100.0%
PS Acid	<20	<2.0	100.0%
Hydro-PS Acid	340	<2.0	100.0%
R-PSDA	1,100 J	<2.0	100.0%
Hydrolyzed PSDA	1,200 J	21 J	98.3%
R-PSDCA	74	<2.0	100.0%
NVHOS, Acid Form	580	3.2	99.4%
EVE Acid	<17	<2.0	100.0%
Hydro-EVE Acid	1,100	<2.0	100.0%
R-EVE	850 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	100,000	520	99.5%
Total Table 3+ (20 compounds)¹	110,000	540	99.5%

Notes

1 - Total Table 3+ was calculated including J qualified data but not non-detect data. The total Table 3+ sum is rounded to the nearest 1000.

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

3 - Removal percent cannot be calculated due to the elevated reporting limits in the influent sample.

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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]"

Table 3d
Summary of Performance Monitoring Analytical Results - Seep D
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-D-Influent-24-011222	SEEP-D-Effluent-24-011222	Percent Removal	SEEP-D-INFLUENT-264-013122	SEEP-D-EFFLUENT-276-013122	Percent Removal	SEEP-D-INFLUENT-336-021522	SEEP-D-EFFLUENT-336-021522	Percent Removal	SEEP-D-INFLUENT-312-030122	SEEP-D-EFFLUENT-312-030122	Percent Removal
	Sample Date: 12-Jan-22	Sample Date: 12-Jan-22		Sample Date: 31-Jan-22	Sample Date: 31-Jan-22		Sample Date: 15-Feb-22	Sample Date: 15-Feb-22		Sample Date: 1-Mar-22	Sample Date: 1-Mar-22	
<i>Table 3 + SOP (ng/ L)</i>												
Hfpo Dimer Acid	14,000	3.9	>99.9%	14,000	<2.0	100.0%	12,000	6	>99.9%	13,000	6.7	99.9%
PFMOAA	48,000	15	>99.9%	41,000	6.1 J	>99.9%	41,000	48	99.9%	42,000	43	99.9%
PFO2HxA	19,000	6.3	>99.9%	18,000	2.3 J	>99.9%	19,000	14	99.9%	22,000	13	99.9%
PFO3OA	5,900	2	>99.9%	5,200	<2.0	100.0%	5,500	3.3	99.9%	6,600	2.7	>99.9%
PFO4DA	1,800	<2.0	100.0%	1,700	<2.0	100.0%	1,500	<2.0	100.0%	2,300	<2.0	100.0%
PFO5DA	100	<2.0	100.0%	95	<2.0	100.0%	98	<2.0	100.0%	<78	<2.0	100.0%
PMPA	6,000	<10	100.0%	5,400	<10	100.0%	5,600	12	99.8%	6,300	<10	100.0%
PEPA	1,900	<20	100.0%	1,800	<20	100.0%	1,900	<20	100.0%	2,300	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	250	<2.0	100.0%	210	<2.0	100.0%	240	<2.0	100.0%	250	<2.0	100.0%
R-PSDA	690 J	<2.0	100.0%	460 J	<2.0	100.0%	630 J	<2.0	100.0%	970 J	<2.0	100.0%
Hydrolyzed PSDA	1,400 J	<2.0	100.0%	1,100 J	<2.0	100.0%	1,600 J	<2.0	100.0%	2,200 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%	71	<2.0	100.0%
NVHOS, Acid Form	610	<2.0	100.0%	510	<2.0	100.0%	580	<2.0	100.0%	560	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	900	<2.0	100.0%	760	<2.0	100.0%	840	<2.0	100.0%	960	<2.0	100.0%
R-EVE	610 J	<2.0	100.0%	400 J	<2.0	100.0%	650 J	<2.0	100.0%	790 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	98,000	27	>99.9%	89,000	8.4	>99.9%	88,000	83	99.9%	96,000	65	99.9%
Total Table 3+ (20 compounds)¹	100,000	27	>99.9%	91,000	8.4	>99.9%	91,000	83	99.9%	100,000	65	99.9%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	Seep-A-Influent-Rain- 23-011122 Sample Date: 11-Jan-22	Seep-A-Effluent-Rain- 24-011122 Sample Date: 11-Jan-22	Percent Removal	Seep-A-Influent-Rain- 24-022822 Sample Date: 28-Feb-22	Seep-A-Effluent-Rain- 24-022822 Sample Date: 28-Feb-22	Percent Removal
<i>Table 3+ SOP (ng/L)</i>						
Hfpo Dimer Acid	25,000	8.7	>99.9%	23,000	53	99.8%
PFMOAA	61,000	26	>99.9%	59,000	130	99.8%
PFO2HxA	34,000	9.5	>99.9%	39,000	89	99.8%
PFO3OA	12,000	3	>99.9%	13,000	32	99.8%
PFO4DA	6,600	<2.0	100.0%	8,600	20	99.8%
PFO5DA	3,500	<2.0	100.0%	4,800	10	99.8%
PMPA	15,000	<10	100.0%	15,000	43	99.7%
PEPA	5,600	<20	100.0%	6,100	<20	100.0%
PS Acid	1,800	<2.0	100.0%	390	<2.0	100.0%
Hydro-PS Acid	1,200	<2.0	100.0%	1,200	3	99.8%
R-PSDA	2,100 J	<2.0	100.0%	3,100 J	<2.0	100.0%
Hydrolyzed PSDA	23,000 J	2.8 J	>99.9%	34,000 J	56 J	99.8%
R-PSDCA	37	<2.0	100.0%	100	<2.0	100.0%
NVHOS, Acid Form	1000	<2.0	100.0%	1,100	2.9	99.7%
EVE Acid	260	<2.0	100.0%	48	<2.0	100.0%
Hydro-EVE Acid	1,300	<2.0	100.0%	1,400	3.6	99.7%
R-EVE	960 J	<2.0	100.0%	1,200 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) ^[1,2]	170,000	48	>99.9%	170,000	390	99.8%
Total Table 3+ (20 Compounds) ^[1]	190,000	50	>99.9%	210,000	440	99.8%

Notes:

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

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

Bold - Analyte detected above associated reporting limit.

B - Not detected substantially above the level reported in the laboratory or field blanks.

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

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-B-Influent-Rain-24-011722	Seep-B-Effluent-Rain-24-011722	Percent Removal	Seep-B-Influent-Rain-24-022822	Seep-B-Effluent-Rain-24-022822	Percent Removal
	Sample Date:	Sample Date:		Sample Date:	Sample Date:	
	17-Jan-22	17-Jan-22		28-Feb-22	28-Feb-22	
Hfpo Dimer Acid	23,000	9.8	>99.9%	28,000	18	99.9%
PFMOAA	43,000	23	>99.9%	81,000	110	99.9%
PFO2HxA	18,000	9.4	>99.9%	38,000	28	99.9%
PFO3OA	4,600	3	99.9%	9,700	3.1	>99.9%
PFO4DA	1,100	<2.0	100.0%	2,200	<2.0	100.0%
PFO5DA	280	<2.0	100.0%	310	<2.0	100.0%
PMPA	24,000	15	99.9%	34,000	22	99.9%
PEPA	12,000	<20	100.0%	17,000	<20	100.0%
PS Acid	1,200	<2.0	100.0%	600	<2.0	100.0%
Hydro-PS Acid	660	<2.0	100.0%	930	<2.0	100.0%
R-PSDA	2,400 J	<2.0	100.0%	5,300 J	<2.0	100.0%
Hydrolyzed PSDA	15,000 J	5.0 J	>99.9%	41,000 J	3.9 J	>99.9%
R-PSDCA	34	<2.0	100.0%	110	<2.0	100.0%
NVHOS, Acid Form	1400	<2.0	100.0%	2,200	<2.0	100.0%
EVE Acid	1000	<2.0	100.0%	510	<2.0	100.0%
Hydro-EVE Acid	1,200	<2.0	100.0%	1,800	<2.0	100.0%
R-EVE	1,700 J	<2.0	100.0%	2,900 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) ^[1,2]	130,000	60	>99.9%	220,000	180	99.9%
Total Table 3+ (20 Compounds) ^[1]	150,000	65	>99.9%	270,000	190	99.9%

Notes:

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

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

Bold - Analyte detected above associated reporting limit.

B - Not detected substantially above the level reported in the laboratory or field blanks.

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

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-C-Influent-Rain-22-011122	Seep-C-Effluent-Rain-24-011122	Percent Removal	Seep-C-Influent-Rain-24-020822	Seep-C-Effluent-Rain-24-020822	Percent Removal
	Sample Date:	Sample Date:		Sample Date:	Sample Date:	
	11-Jan-22	11-Jan-22		08-Feb-22	08-Feb-22	
Hfpo Dimer Acid	11,000	7.8	99.9%	14,000	50	99.6%
PFMOAA	28,000	59	99.8%	36,000	310	99.1%
PFO2HxA	13,000	11	99.9%	15,000	73	99.5%
PFO3OA	3,900	2	>99.9%	5,000	8	99.8%
PFO4DA	1,500	<2.0	100.0%	1,800	2	99.9%
PFO5DA	110	<2.0	100.0%	82	<2.0	100.0%
PMPA	5,200	11	99.8%	5,800	77	98.7%
PEPA	1,700	<20	100.0%	1,900	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	250	<2.0	100.0%	240	<2.0	100.0%
R-PSDA	460 J	<2.0	100.0%	490 J	<2.0	100.0%
Hydrolyzed PSDA	480 J	<2.0	100.0%	490 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	390	<2.0	100.0%	430	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	700	<2.0	100.0%	770	<2.0	100.0%
R-EVE	420 J	<2.0	100.0%	400 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) ^[1,2]	66,000	91	99.9%	81,000	520	99.4%
Total Table 3+ (20 Compounds) ^[1]	67,000	91	99.9%	82,000	520	99.4%

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.

B - Not detected substantially above the level reported in the laboratory or field blanks.

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

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-D-Influent-Rain-24-011722	Seep-D-Effluent-Rain-24-011722	Percent Removal	Seep-D-Influent-Rain-24-022822	Seep-D-Effluent-Rain-24-022822	Percent Removal
	Sample Date:	Sample Date:		Sample Date:	Sample Date:	
	17-Jan-22	17-Jan-22		28-Feb-22	28-Feb-22	
Hfpo Dimer Acid	13,000	5.4	>99.9%	13,000	3.2	>99.9%
PFMOAA	40,000	16	>99.9%	42,000	<2.0	100.00%
PFO2HxA	17,000	9.3	>99.9%	22,000	6.6	>99.9%
PFO3OA	5,000	3	>99.9%	7,100	<2.0	100.0%
PFO4DA	1,500	<2.0	100.0%	2,400	<2.0	100.0%
PFO5DA	98	<2.0	100.0%	160	<2.0	100.0%
PMPA	5,200	<10	100.0%	6,600	<10	100.0%
PEPA	1,700	<20	100.0%	2,300	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	230 J	<2.0	100.0%	260	<2.0	100.0%
R-PSDA	660 J	<2.0	100.0%	1,100 J	<2.0	100.0%
Hydrolyzed PSDA	1,400 J	2.2 J	99.8%	2,400 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%	75	<2.0	100.0%
NVHOS, Acid Form	530	<2.0	100.0%	590	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	770	<2.0	100.0%	990	<2.0	100.0%
R-EVE	560 J	<2.0	100.0%	970 J	<2.0	100.0%
PES	<6.7	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) ^[1,2]	85,000	33	>99.9%	97,000	9.8	>99.9%
Total Table 3+ (20 Compounds) ^[1]	88,000	35	>99.9%	100,000	9.8	>99.9%

Notes:

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

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

Bold - Analyte detected above associated reporting limit.

B - Not detected substantially above the level reported in the laboratory or field blanks.

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

QA/QC - Quality assurance/ quality control

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 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

Seep	# of Days of Operation on Record	# of Days in Reporting Period	River Above FTC Wall Elevation		River Above Bypass Spillway Elevation		River Above Discharge Weir Elevation		River Above Discharge Pipe Invert Elevation	
			Percent of Reporting Period	Number of Days	Percent of Reporting Period	Number of Days	Percent of Reporting Period	Number of Days	Percent of Reporting Period	Number of Days
C	440	59	0.0%	0.0	0.0%	0.0	3.4%	2.0	5.3%	3.1
A	307	59	0.0%	0.0	0.3%	0.2	3.9%	2.3	5.9%	3.5
B	266	59	0.0%	0.0	0.0%	0.0	3.3%	1.9	5.3%	3.1
D	250	59	0.0%	0.0	0.2%	0.1	4.1%	2.4	5.9%	3.5
Historical Annual Average (2007-2020) ^[2]			1.7%		2.2%		3.7%		9.6%	

Precipitation (inches)	
Current Reporting Period (Jan - Feb 2022)	5.59
Current Reporting Period Historical Average (Jan - Feb 2004-2020) ^[3]	5.17
2022 Year-to-Date	5.59
Historical Year-to-Date Average (2004-2020) ^[3]	5.17
Historical Annual Average (2004-2020) ^[3]	43.44

Notes

- 1 River elevation and precipitation data from USGS Huske Lock and Dam site 02105500.
- 2 For clarity of presentation, historical river flooding averages based on Seep C elevations only.
- 3 The historical average was calculated using available data when the Huske rain gauge was operable.

Table 6a
Water Quality Data - Seep A
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
1/8/2022	11.5	11.0	-0.5	5.6	6.2	0.6	110	85.7	-24.4	6	7	1.2	3.29	0.00	-3.30	0	0	0.0
1/31/2022	11.3	11.2	-0.1	4.4	7.7	3.3	141	129	-12.3	6	6	0.3	1.87	1.21	-0.70	0	0	0.0
2/20/2022	8.3	8.2	-0.1	4.0	6.2	2.2	151	129	-22.0	20	19	-0.8	3.31	7.57	4.30	0	0	0.0
2/23/2022	8.0	7.7	-0.3	4.2	5.9	1.7	161	122	-39.0	19	19	0.3	3.58	0.73	-2.90	0	0	0.0
2/24/2022	9.3	9.0	-0.3	7.2	8.0	0.8	162	124	-38.7	13	13	-0.5	1.34	1.04	-0.30	0	0	0.0
2/25/2022	1.9	9.8	7.9	9.2	8.3	-0.9	566	122	-444	14	14	0.5	0.22	0.49	0.30	0	0	0.0
<i>Average</i>	<i>8.4</i>	<i>9.5</i>	<i>1.1</i>	<i>5.8</i>	<i>7.0</i>	<i>1.2</i>	<i>215.2</i>	<i>118.5</i>	<i>-96.7</i>	<i>12.9</i>	<i>13.0</i>	<i>0.1</i>	<i>2.3</i>	<i>1.8</i>	<i>-0.5</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>8.8</i>	<i>9.4</i>	<i>0.6</i>	<i>5.0</i>	<i>6.9</i>	<i>1.9</i>	<i>155.9</i>	<i>122.9</i>	<i>-33.0</i>	<i>13.7</i>	<i>13.6</i>	<i>-0.1</i>	<i>2.6</i>	<i>0.9</i>	<i>-1.7</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>

Notes:

- DO dissolved oxygen
- mg/L milligrams per liter
- SU standard units
- NTU nephelometric turbidity units
- µS/cm microSiemens per centimeter
- TSS total suspended solids
- NM Not Measured

Table 6b
Water Quality Data - Seep B
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
1/8/2022	10.3	11.3	1.0	6.2	4.5	-1.7	136	102	-34	6	6	0	0.36	0.00	-0.36	0	0	0
1/31/2022	10.7	10.0	-0.7	4.9	7.5	2.6	118	113	-5	9	9	0	1.13	0.00	-1.13	0	0	0
2/15/2021	9.8	10.3	0.5	8.1	7.6	-0.5	146.1	108.8	-37	15	15	0	1.3	0.8	-0.41	0	0	0
3/1/2022 ^[1]	9.3	9.5	0.2	7.2	7.4	0.2	139.4	152.2	13	13	14	1	3.6	0.6	-2.99	0	0	0
<i>Average</i>	<i>10.0</i>	<i>10.3</i>	<i>0.3</i>	<i>6.6</i>	<i>6.8</i>	<i>0.2</i>	<i>134.9</i>	<i>118.9</i>	<i>-16.0</i>	<i>10.8</i>	<i>10.8</i>	<i>0.0</i>	<i>1.6</i>	<i>0.4</i>	<i>-1.2</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>10.1</i>	<i>10.2</i>	<i>0.1</i>	<i>6.7</i>	<i>7.5</i>	<i>0.8</i>	<i>137.8</i>	<i>110.9</i>	<i>-26.9</i>	<i>11.1</i>	<i>11.3</i>	<i>0.2</i>	<i>1.2</i>	<i>0.3</i>	<i>-0.9</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>

Notes:

- 1 - The water quality parameters collected on March 1, 2022, represent the second performance monitoring sample in February (composite period February 16 - March 1, 2022).
- DO dissolved oxygen
- mg/L milligrams per liter
- SU standard units
- NTU nephelometric turbidity units
- µS/cm microSiemens per centimeter
- TSS total suspended solids
- NM Not Measured

Table 6c
Water Quality Data - Seep C
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
1/31/2022 ^[1]	10.3	10.9	0.6	7.6	6.3	-1.3	129.5	120.9	-9.0	9.0	9.5	0.0	208.7	119.3	-89.4	0.0	0.0	0.0
2/15/2021	10.3	9.6	-0.7	6.4	5.9	-0.5	113.7	97.7	-16.0	14.1	14.0	0.0	228.0	38.9	-189.1	0.0	0.0	0.0
3/1/2022 ^[2]	9.4	9.5	0.1	7.5	7.4	-0.1	123.7	112.5	-11.2	13.8	13.2	-0.6	16.8	3.2	-13.6	0.0	0.0	0.0
<i>Average</i>	<i>10.0</i>	<i>10.0</i>	<i>0.0</i>	<i>7.2</i>	<i>6.5</i>	<i>-0.7</i>	<i>122.3</i>	<i>110.4</i>	<i>-11.9</i>	<i>12.3</i>	<i>12.2</i>	<i>-0.1</i>	<i>151.2</i>	<i>53.8</i>	<i>-97.4</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>10.3</i>	<i>9.6</i>	<i>-0.7</i>	<i>7.5</i>	<i>6.3</i>	<i>-1.2</i>	<i>123.7</i>	<i>112.5</i>	<i>-11.2</i>	<i>13.8</i>	<i>13.2</i>	<i>-0.6</i>	<i>208.7</i>	<i>38.9</i>	<i>-169.8</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>

Notes:

- 1 - The operations, maintenance, and monitoring staff reported that water quality parameters were collected twice during January; however, the data from the first half of January were inadvertently misplaced.
- 2 - The water quality parameters collected on March 1, 2022, represent the second performance monitoring sample in February (composite period February 16 - March 1, 2022).

DO dissolved oxygen
 mg/L milligrams per liter
 SU standard units
 NTU nephelometric turbidity units
 µS/cm microSiemens per centimeter
 TSS total suspended solids
 NM Not Measured

Table 6d
Water Quality Data - Seep D
Reporting Period 7 (January - February 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

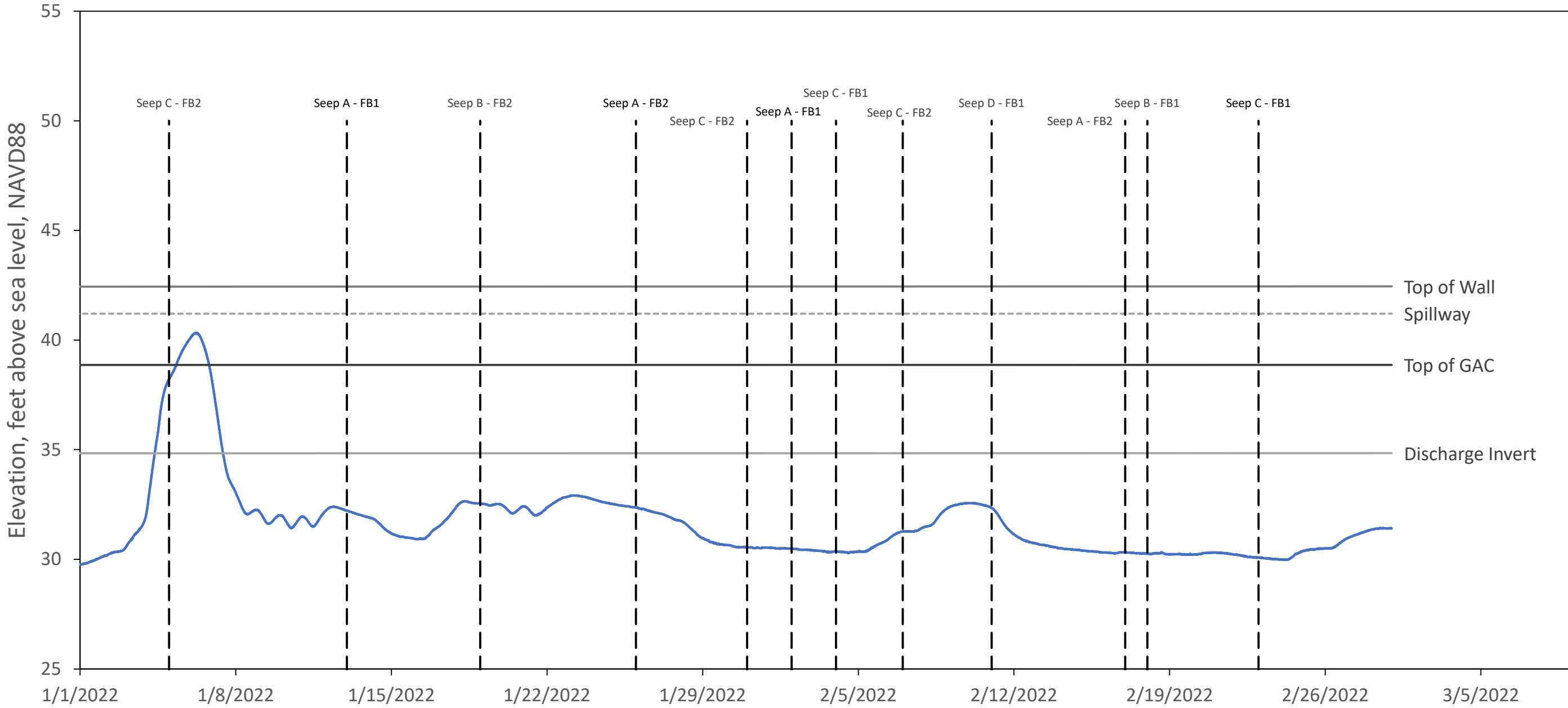
Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
1/31/2022 ^[1]	10.9	11.2	0.3	4.1	7.2	3.1	144.5	105.3	-40.0	8.5	8.5	0.0	2.0	0.0	-2.0	0.0	0.0	0.0
2/15/2021	9.9	10.2	0.3	4.0	5.2	1.2	161.0	116.9	-44.0	12.8	13.1	0.0	2.0	0.5	-1.6	0.0	0.0	0.0
3/1/2022	9.4	8.9	-0.5	6.9	6.0	-0.9	144.6	159.9	15.0	14	13	-1.0	1.53	3.23	1.7	0.0	0.0	0.0
<i>Average</i>	<i>10.1</i>	<i>10.1</i>	<i>0.0</i>	<i>5.0</i>	<i>6.2</i>	<i>1.2</i>	<i>150.1</i>	<i>127.4</i>	<i>-22.7</i>	<i>11.7</i>	<i>11.6</i>	<i>-0.1</i>	<i>1.8</i>	<i>1.2</i>	<i>-0.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>9.9</i>	<i>10.2</i>	<i>0.3</i>	<i>4.1</i>	<i>6.0</i>	<i>1.9</i>	<i>144.6</i>	<i>116.9</i>	<i>-27.7</i>	<i>12.8</i>	<i>13.1</i>	<i>0.3</i>	<i>2.0</i>	<i>0.5</i>	<i>-1.5</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>

Notes:

- 1 - The operations, maintenance, and monitoring staff reported that water quality parameters were collected twice during January; however, the data from the first half of January were inadvertently misplaced.
- DO dissolved oxygen
- mg/L milligrams per liter
- SU standard units
- NTU nephelometric turbidity units
- µS/cm microSiemens per centimeter
- TSS total suspended solids
- NM Not Measured

FIGURES

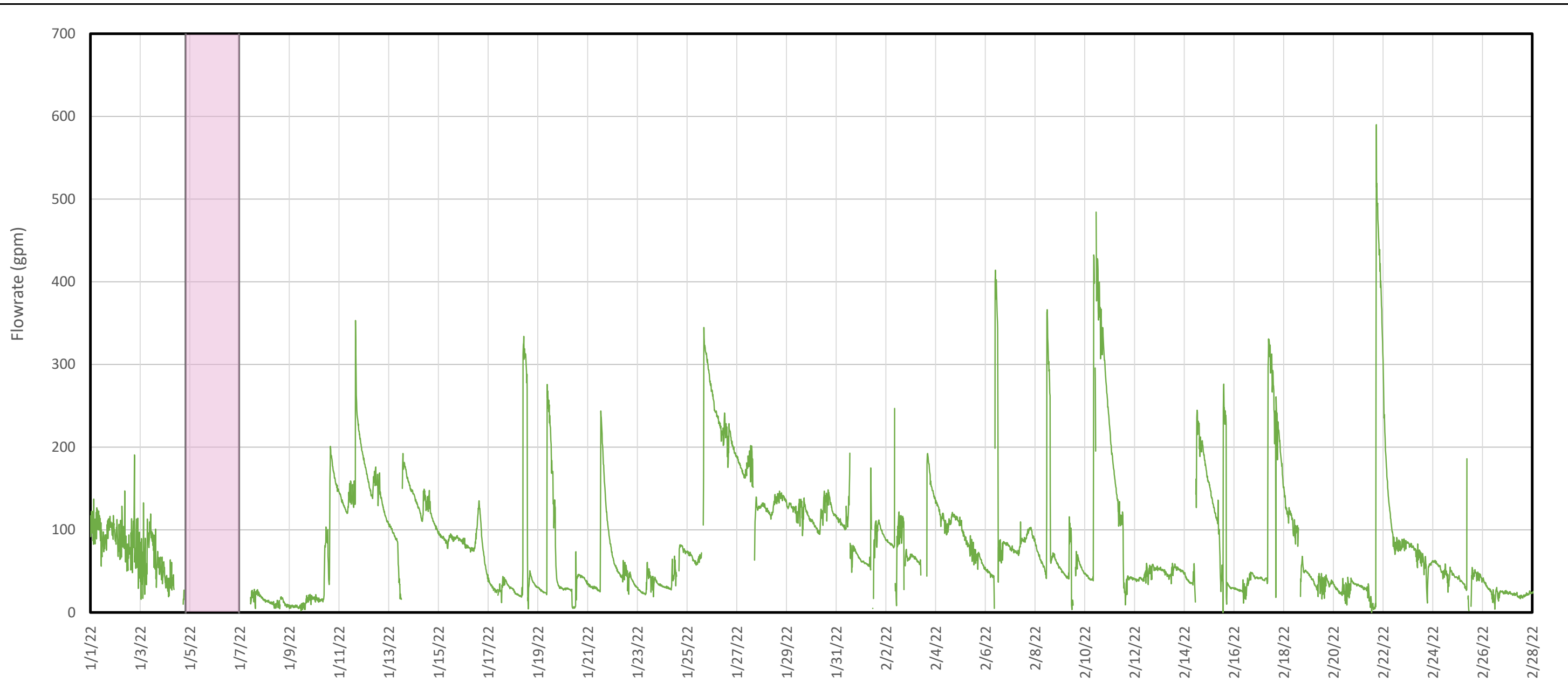
River Elevation During Flow Through Cell Operation (01/01/2022 through 02/28/2022)



Legend
 — River
 - - GAC Changeout

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

River Level & FTC As-Built Elevations	
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 2022
Figure 1	



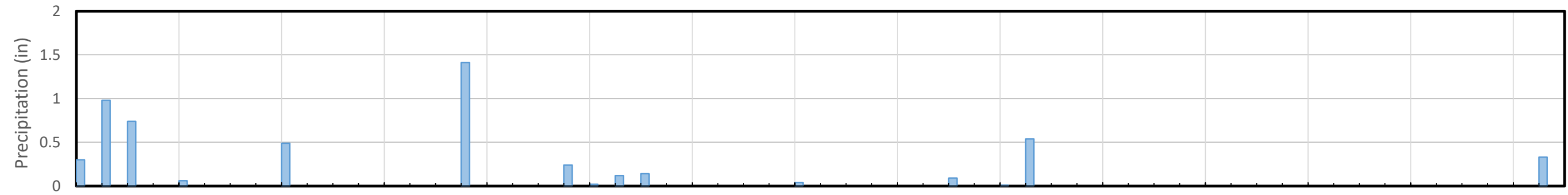
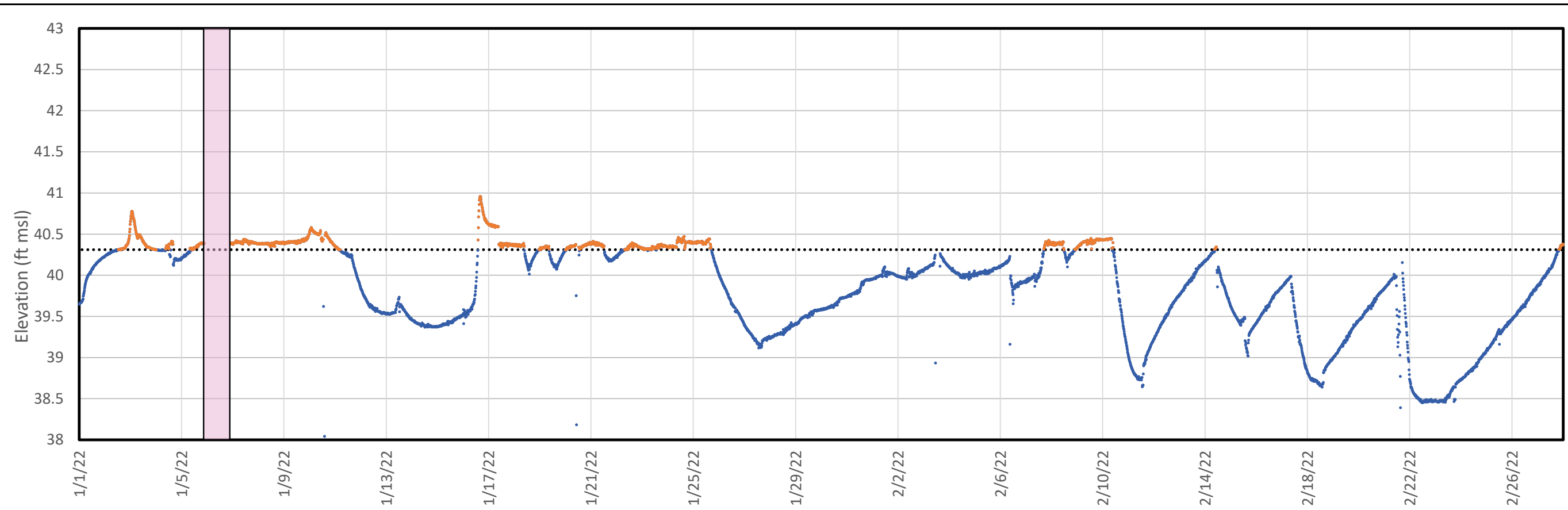
Legend
 — Measured Discharge Flowrate
 ■ Cape Fear River Above Discharge Weir Elevation

Flowrate Statistics (gpm)

	(01/01 - 02/28)	Since Startup
Median	67	100
95 th percentile	241	286
Max	590	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 January 4 through 7, 2022, 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.

Measured Discharge Flowrate (Jan - Feb 2022) - Seep A	
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 2022
Figure 2a	



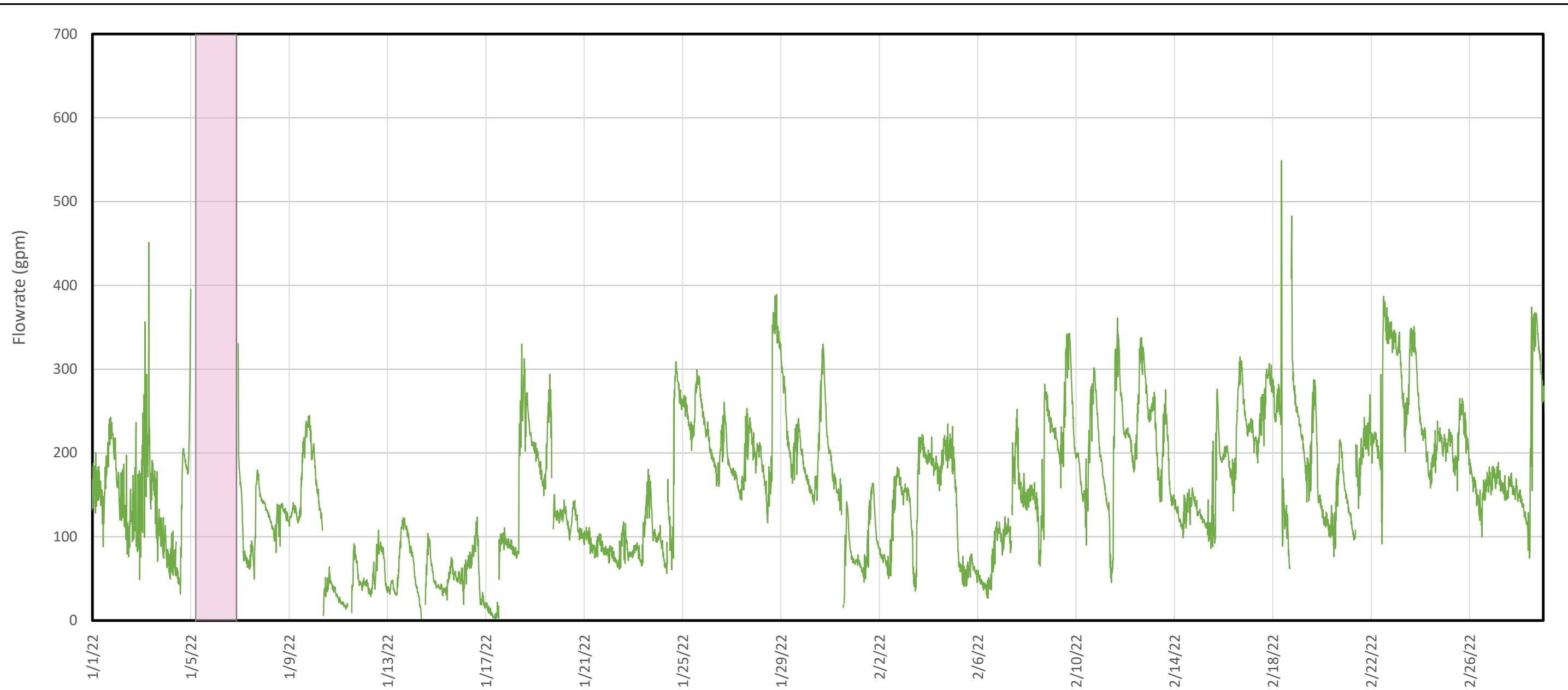
- Legend
- Inflow Chamber/Impoundment Water Elevation
 - Impoundment Water Elevation Above Bypass Spillway
 - Bypass Spillway Elevation
 - █ USGS Precipitation (daily totals)
 - █ Cape Fear River Above Spillway

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.

From January 4 through 7, 2022, the Cape Fear River rose above the elevation of the Bypass Spillway, causing the influent and effluent water elevations to be equal, and consequently ceasing any flow through the system (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

Influent Water Elevation and Bypass Flow (Jan - Feb 2022) - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022
Figure 3a	



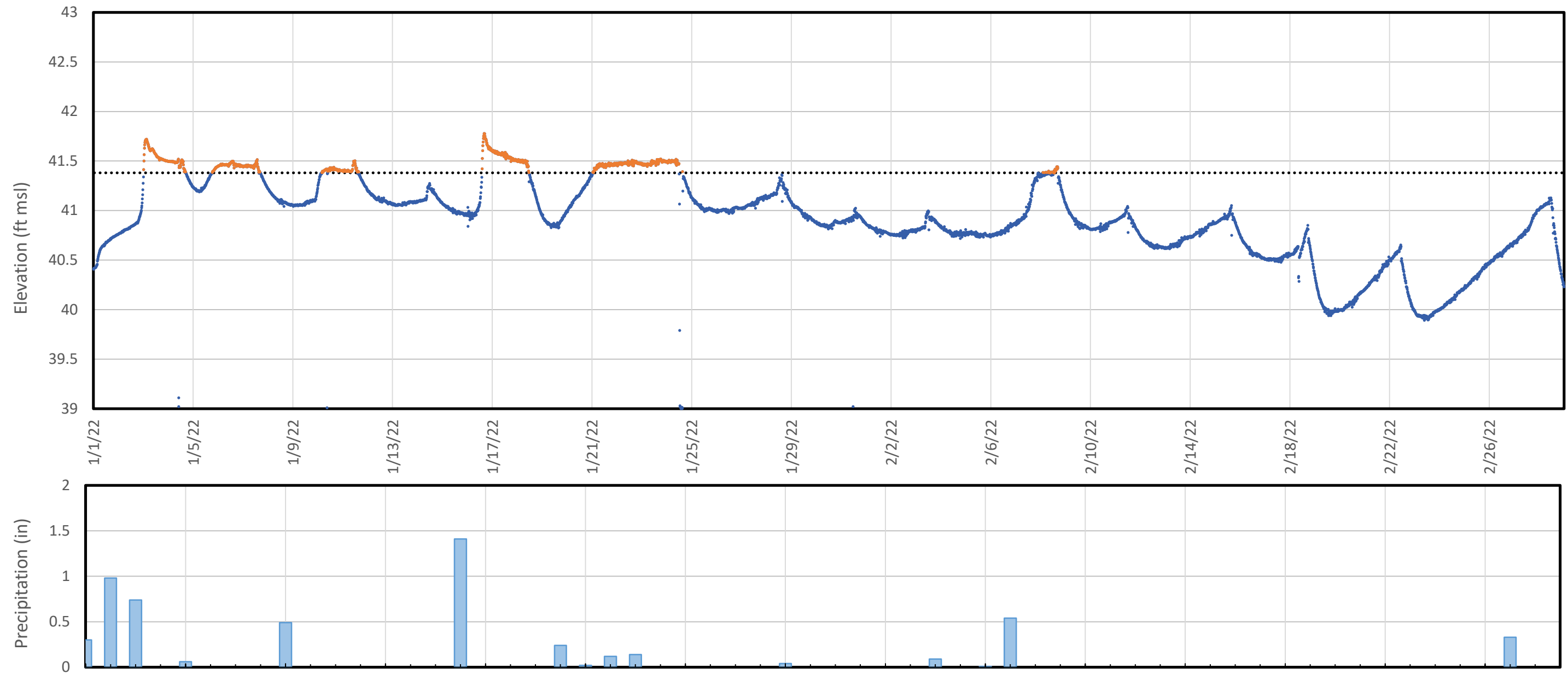
Legend
 — Measured Discharge Flowrate
 Cape Fear River Above Discharge Weir Elevation

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 January 5 through 6, 2022, 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.

Flowrate Statistics (gpm)

	(01/01 - 02/28)	Since Startup
Median	155	126
95 th percentile	301	266
Max	549	1,153

Measured Discharge Flowrate (Jan - Feb 2022) - Seep B Chemours Fayetteville Works Fayetteville, North Carolina		Figure 2b
Geosyntec consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>	
Raleigh, NC	March 2022	



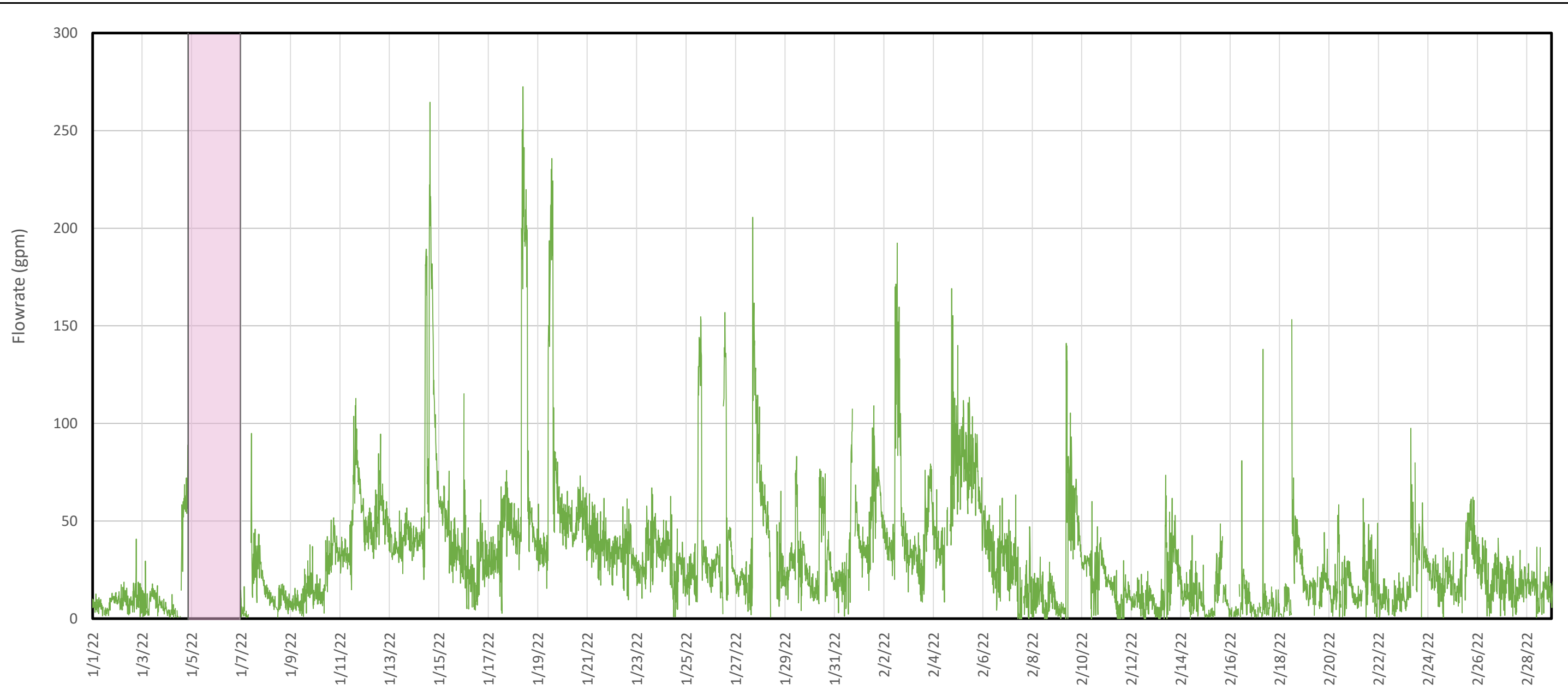
Legend

- Influent 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.

Influent Water Elevation and Bypass Flow (Jan - Feb 2022) - Seep B		Figure 3b
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 2022	



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

Notes:
 gpm - gallons per minute
 GAC - granular activated carbon

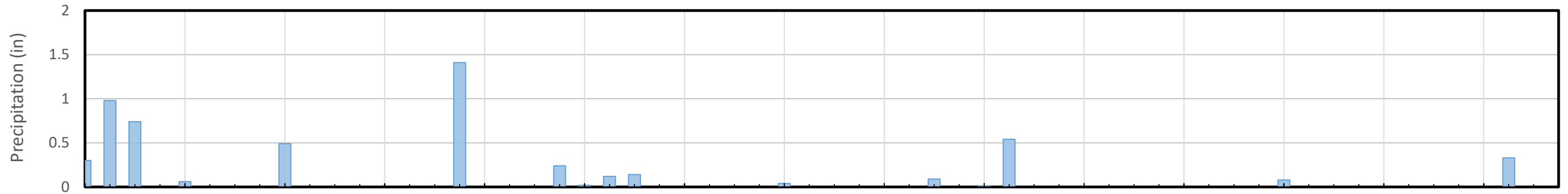
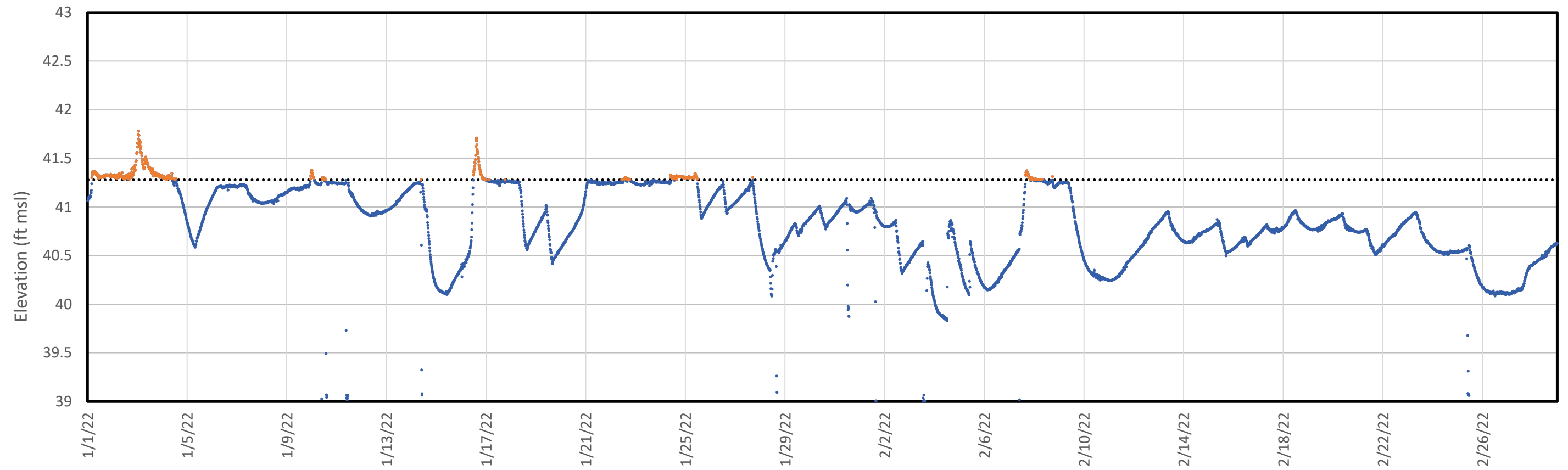
Figure 2c depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From January 4 through 6, 2022, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout 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.

Flowrate Statistics (gpm)

	(01/01 - 02/28)	Since Startup
Median	25	60
95 th percentile	80	152
Max	273	372

Measured Discharge Flowrate (Jan - Feb 2022) - Seep C	
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 2022

Figure 2c



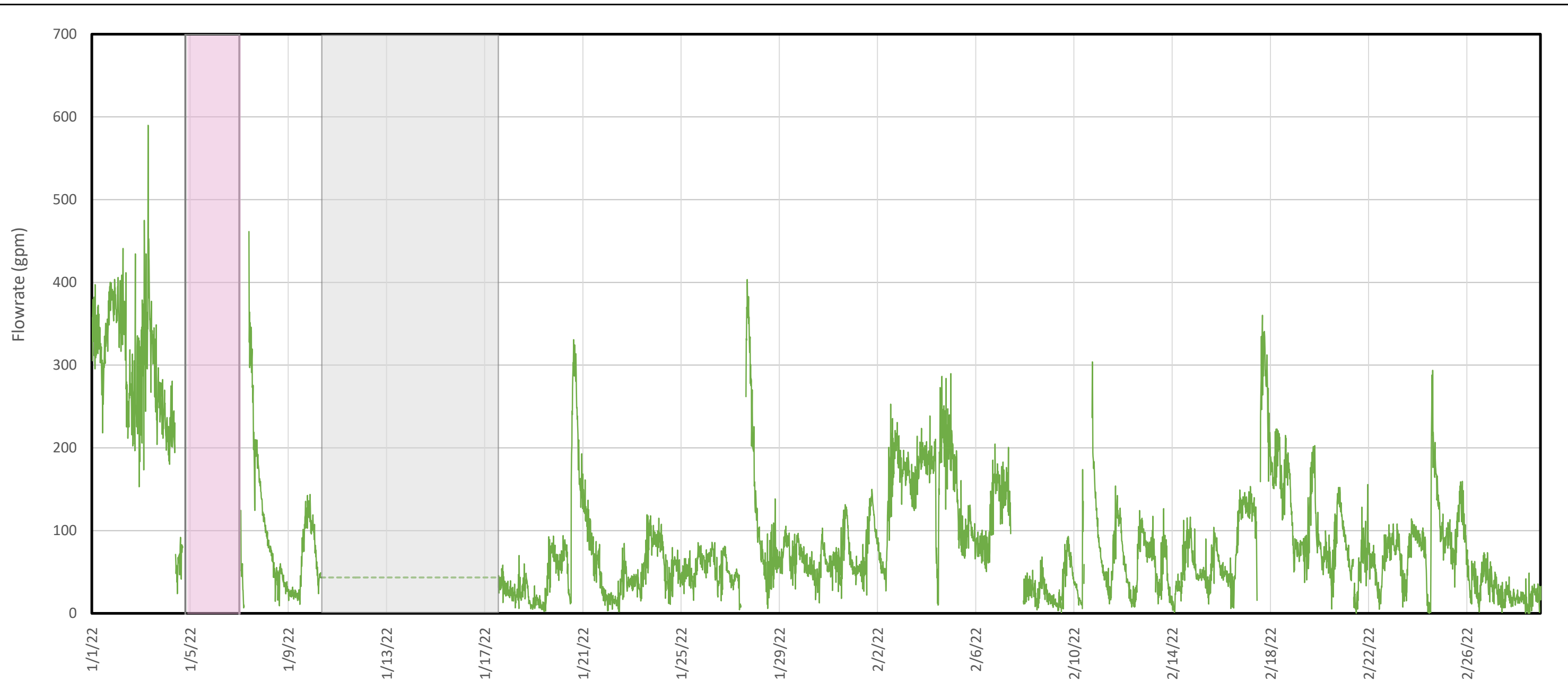
Legend

- Influent 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.

Influent Water Elevation and Bypass Flow (Jan - Feb 2022) - Seep C	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	Figure 3c
Raleigh, NC	March 2022



Legend

- Measured Discharge Flowrate
- - - Imputed Discharge Flowrate
- Transducer Data Gap
- Cape Fear River Above Discharge Weir Elevation

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.

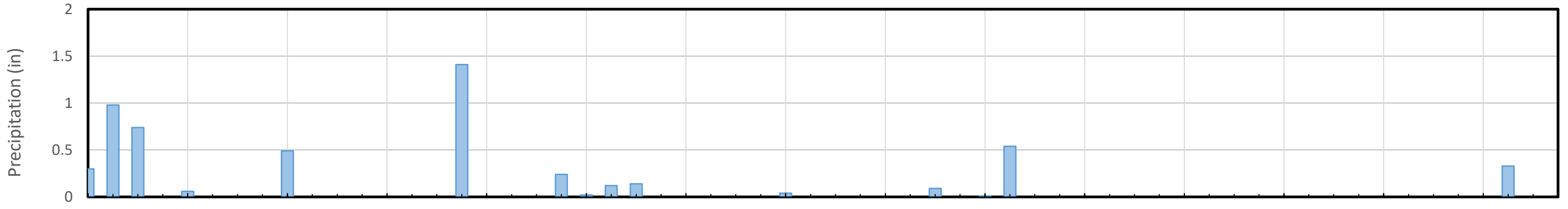
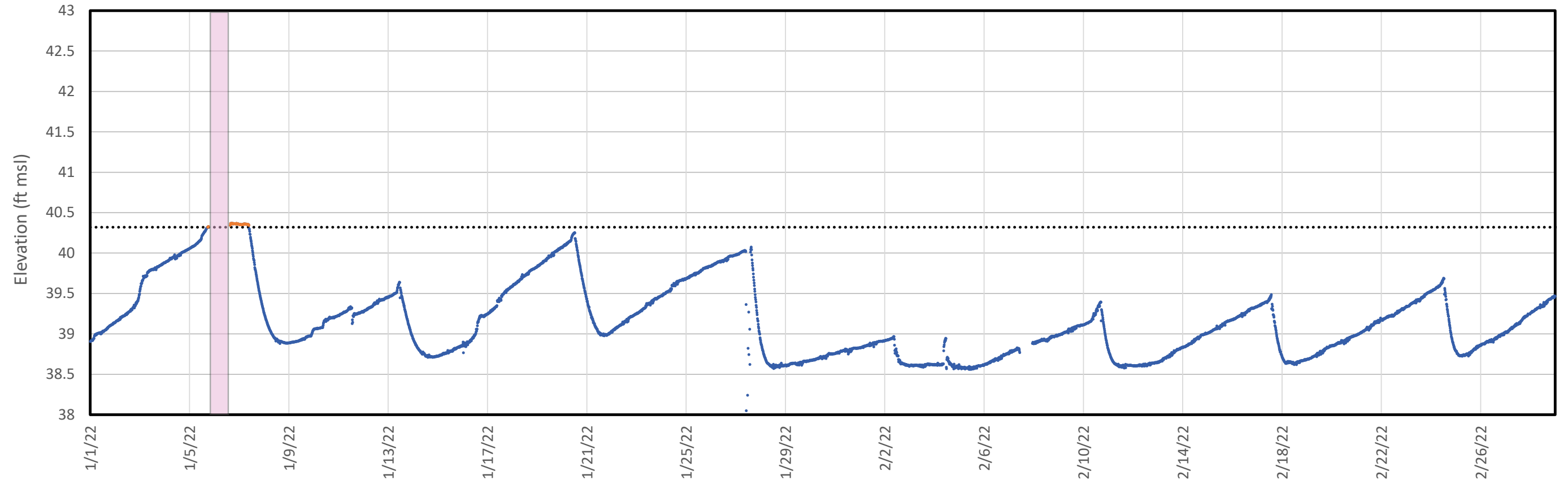
From January 4 through 7, 2022, the Cape Fear River rose above the elevation of the discharge weir (W3), and head differentials throughout the flow-through cell were reduced and flow through the system was hindered (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

Seep D effluent transducer data from January 10 through 17, 2022, was not retrieved. Where transducer data was missing (grey shading) but flow through the System was observed (i.e., non-flooding conditions), flowrate was extrapolated (dashed green). The imputed flowrate was calculated as the median of measured flowrates from 3 days before and after the data gap. Section 3 describes the gaps in transducer data record.

Flowrate Statistics (gpm)

	(01/01 - 02/28)	Since Startup
Median	70	103
95 th percentile	301	315
Max	590	836

Measured Discharge Flowrate (Jan - Feb 2022) - Seep D		Figure 2d
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 2022	



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

Notes:

Figure 3d shows the influent transducer data that was collected during the reporting period (blue line). Instances of impoundment bypass flow are shown in orange.

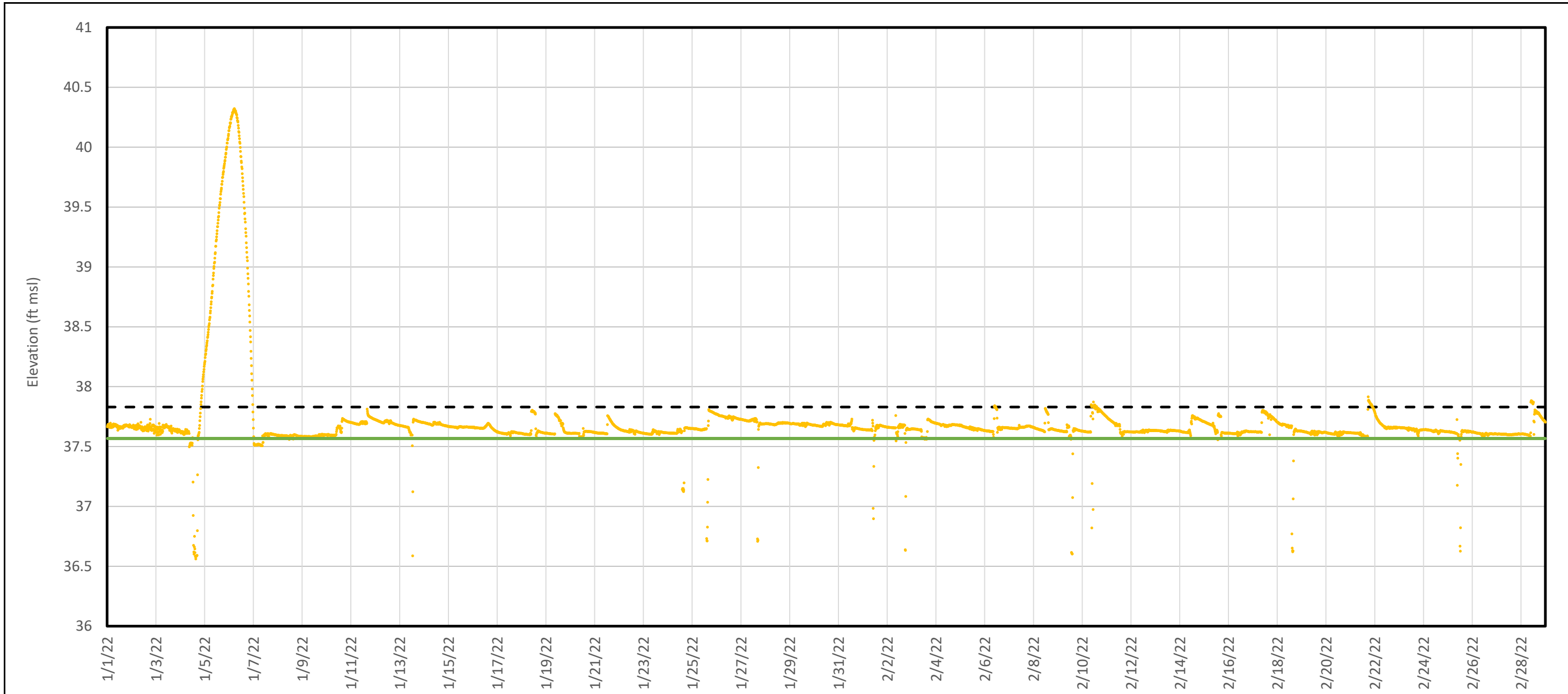
Precipitation data obtained from USGS gauge# 02105500 at the William O. Huske Lock and Dam.

From January 4 through 7, 2022, the Cape Fear River rose above the elevation of the Bypass Spillway, causing the influent and effluent water elevations to be equal, and consequently ceasing any flow through the system (pink shading). See Section 4.5 for more details regarding impacts of river flooding.

Influent Water Elevation and Bypass Flow (Jan - Feb 2022) - Seep D	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022
Figure 3d	

APPENDIX A

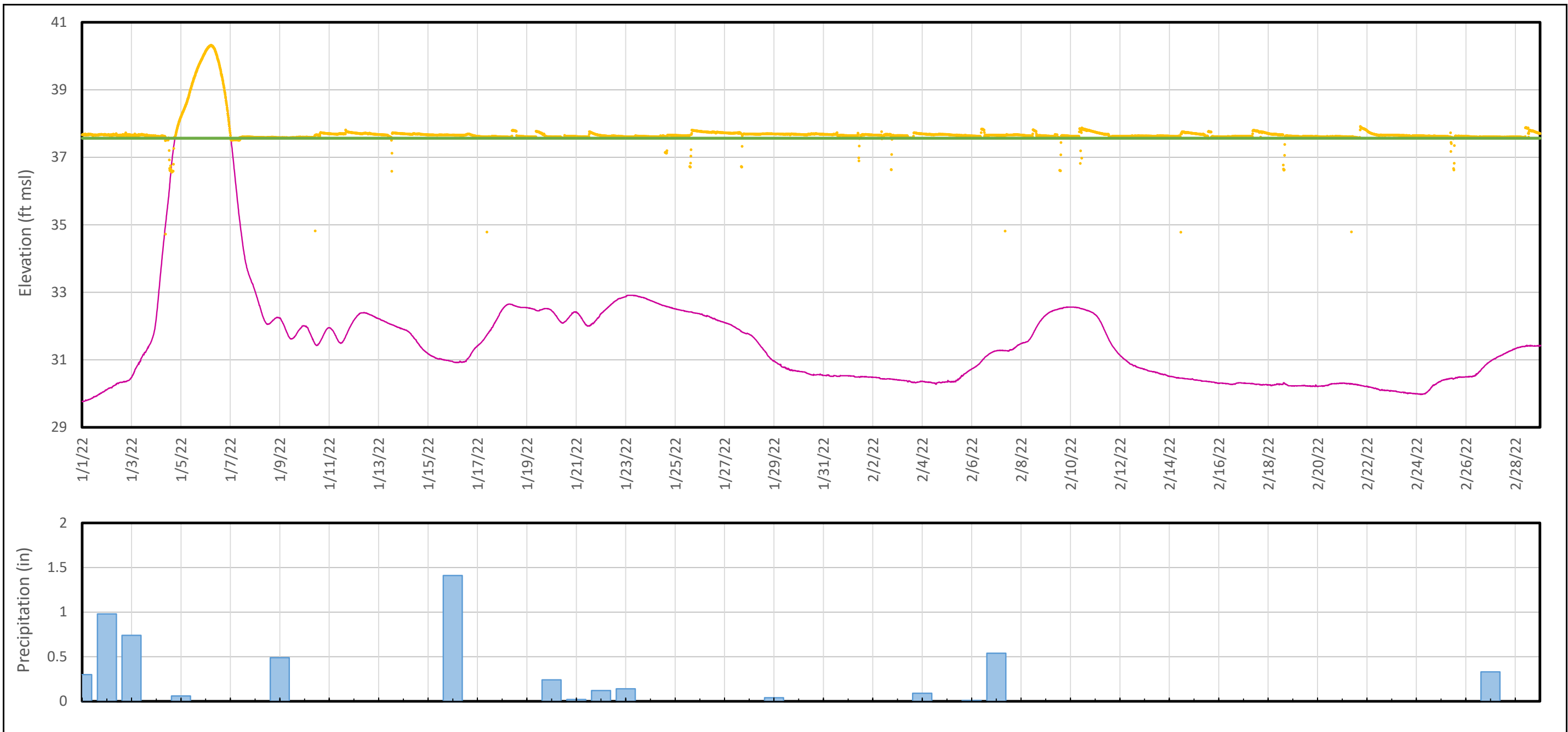
Transducer Data Reduction



- 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.

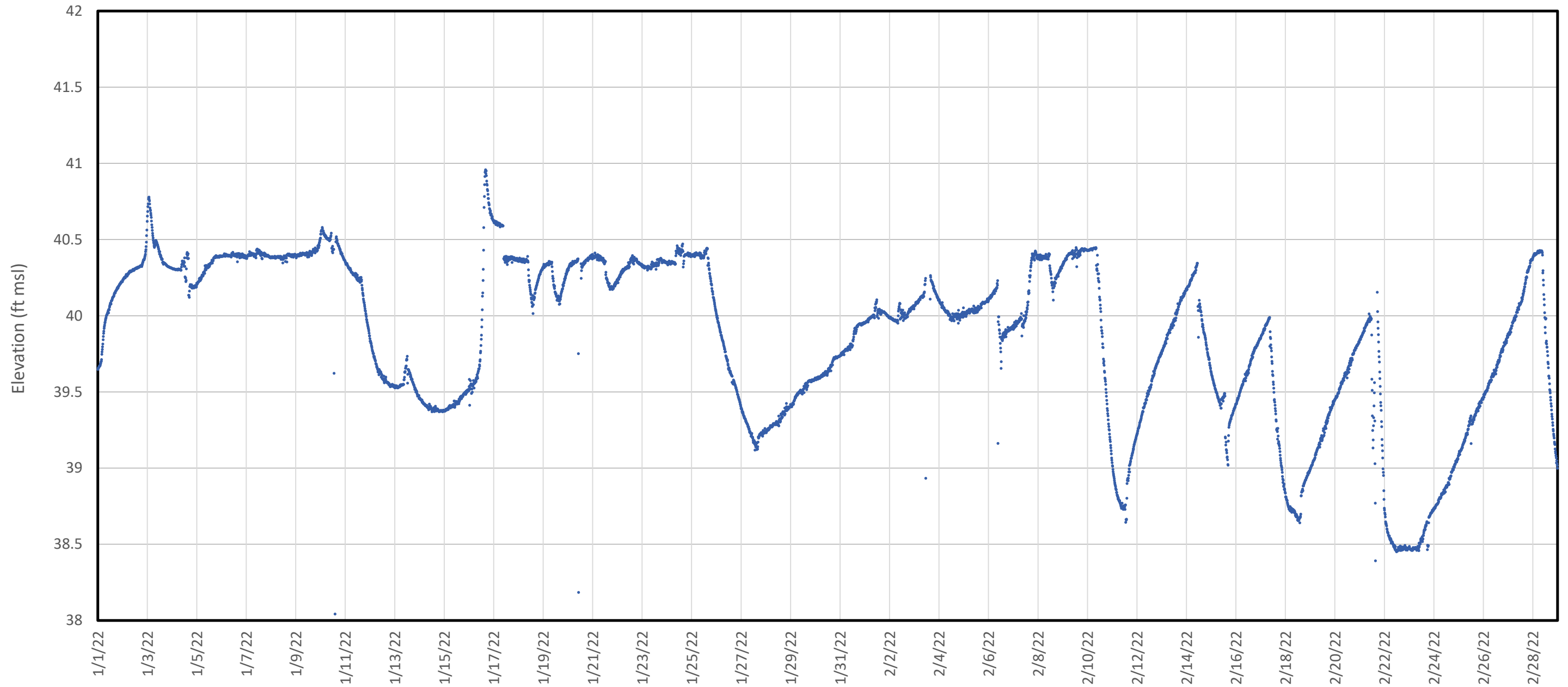
Discharge Basin Water Elevation - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2022
Figure A1-A	



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.

Discharge Basin Water Elevation and External Forcings - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022

Figure A2-A



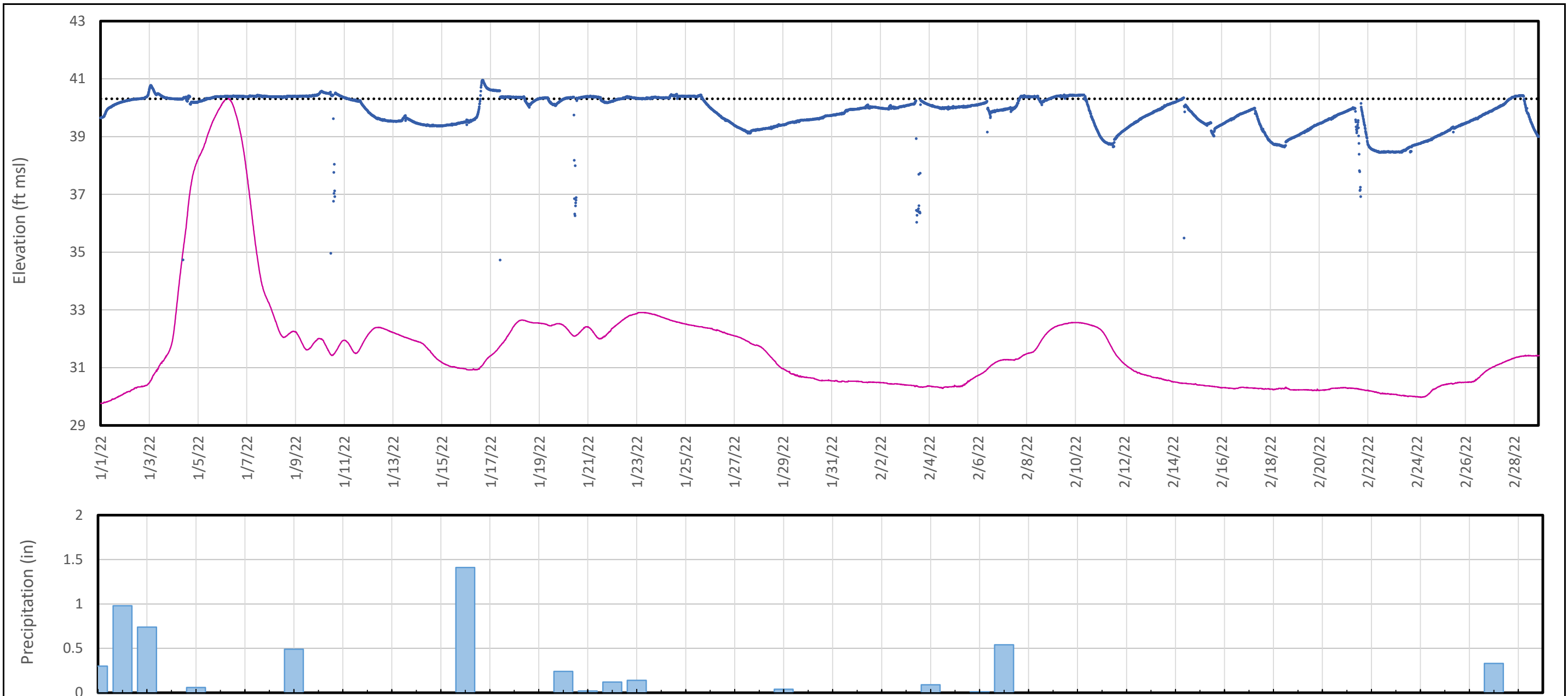
Legend

— Inlet Chamber/Impoundment Elevation

Notes:

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

Inlet Chamber Water Elevation - Seep A Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022
Figure A3-A	

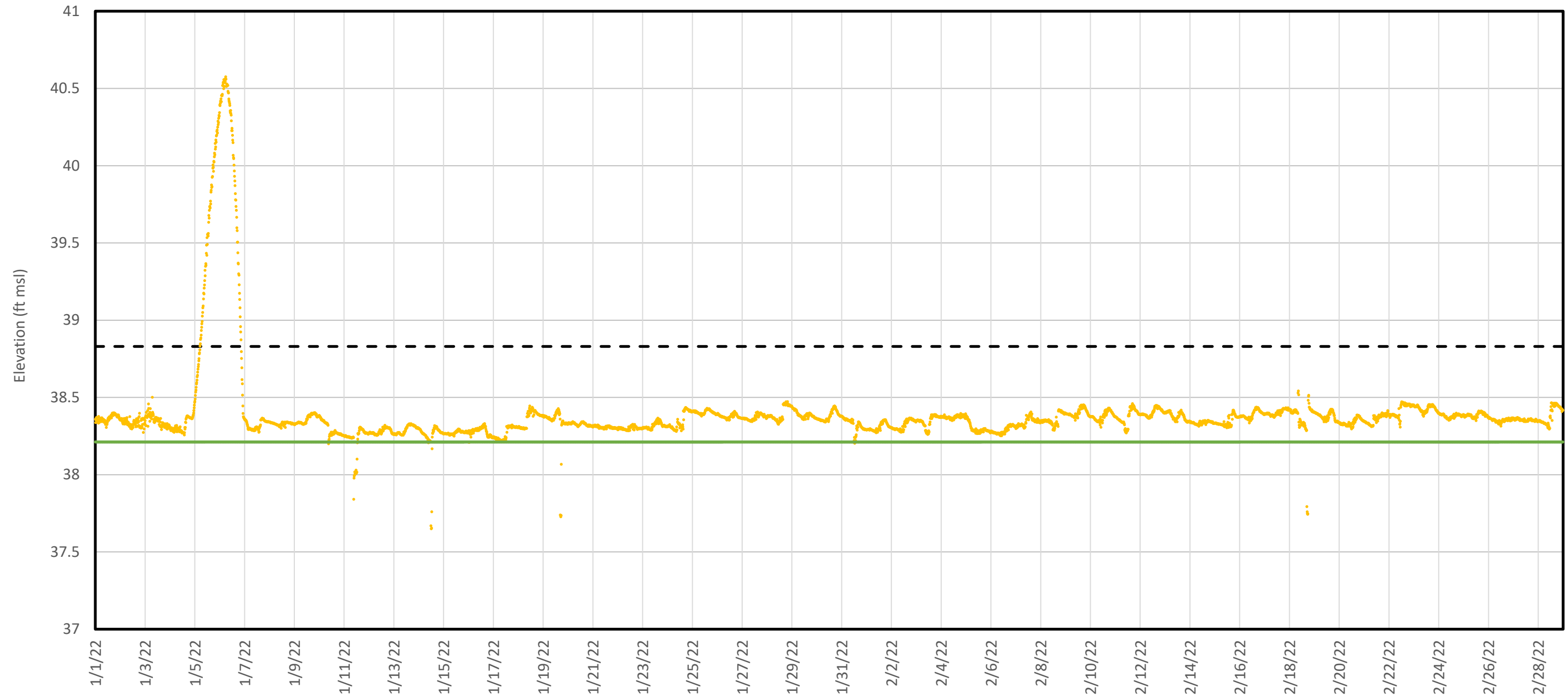


Legend

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

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

Inlet Chamber Water Elevation and External Forcings - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants <small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>	Figure
Raleigh, NC	March 2022
A4-A	



Legend

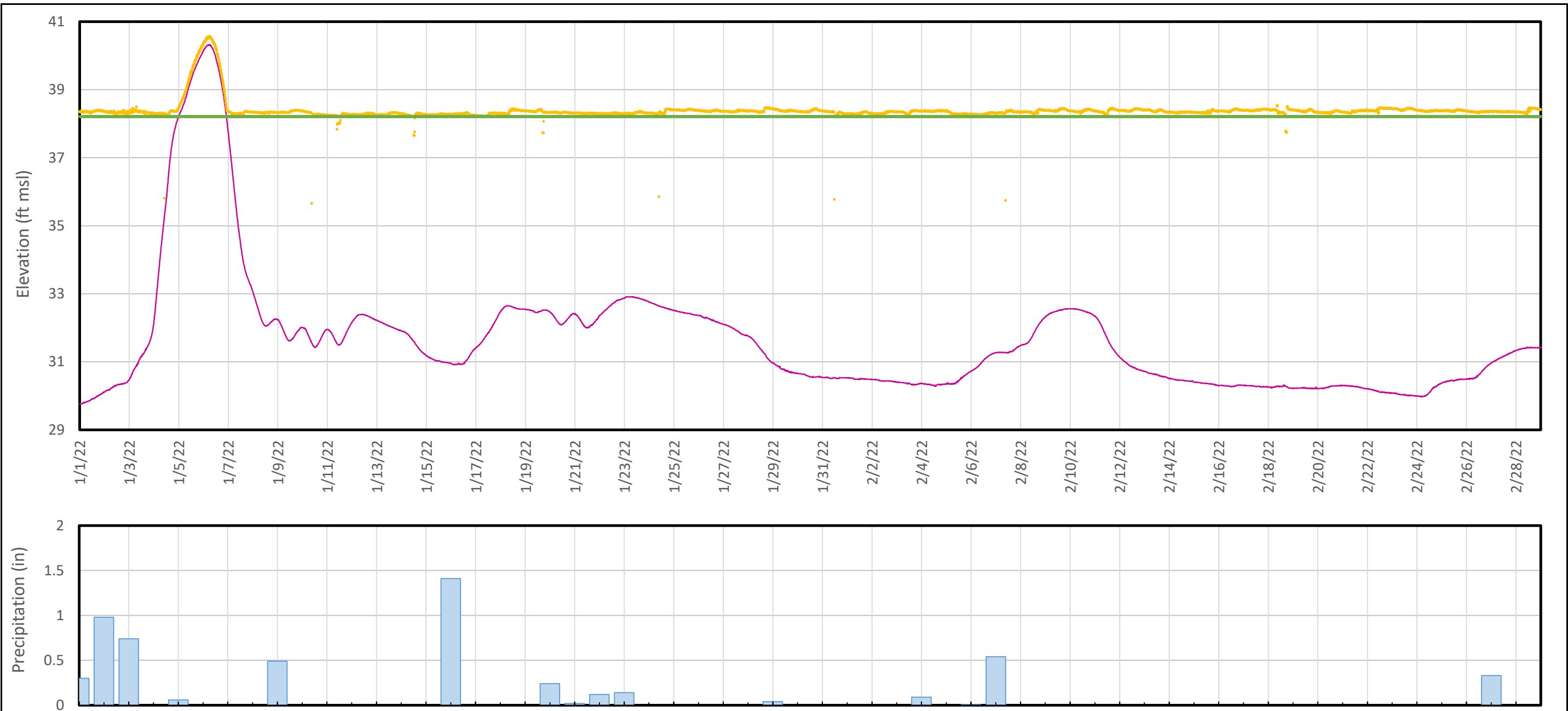
- Discharge Basin Elevation
- Weir 3 Elevation
- - - GAC Elevation

Notes:

GAC - granular activated carbon

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

Discharge Basin Water Elevation - Seep 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 2022
Figure A1-B	

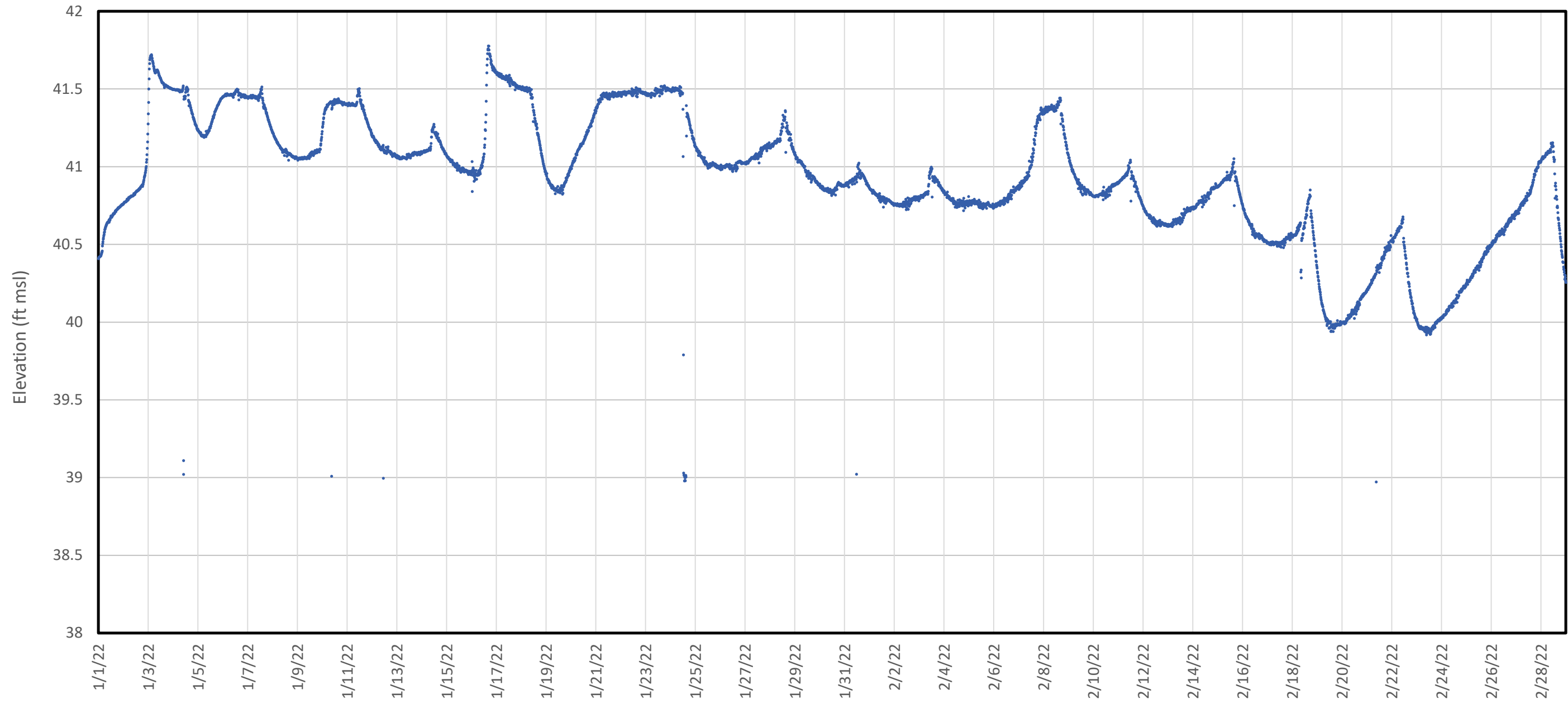


Legend

- 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.

Discharge Basin Water Elevation and External Forcings - Seep B	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022
Figure A2-B	

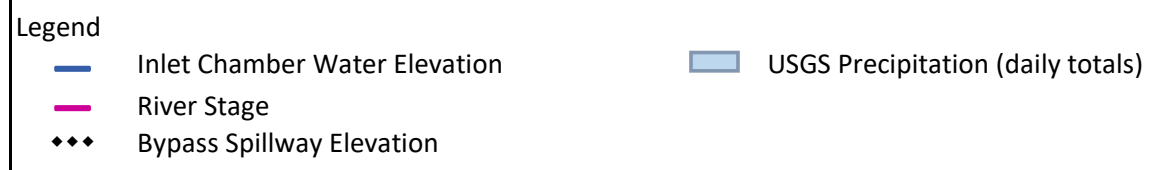
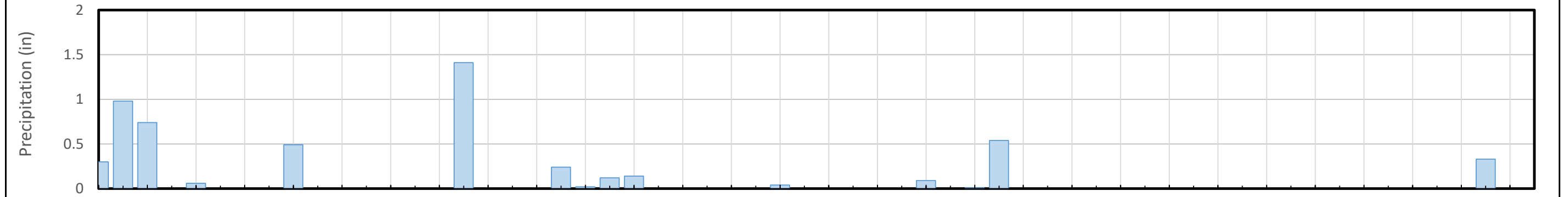
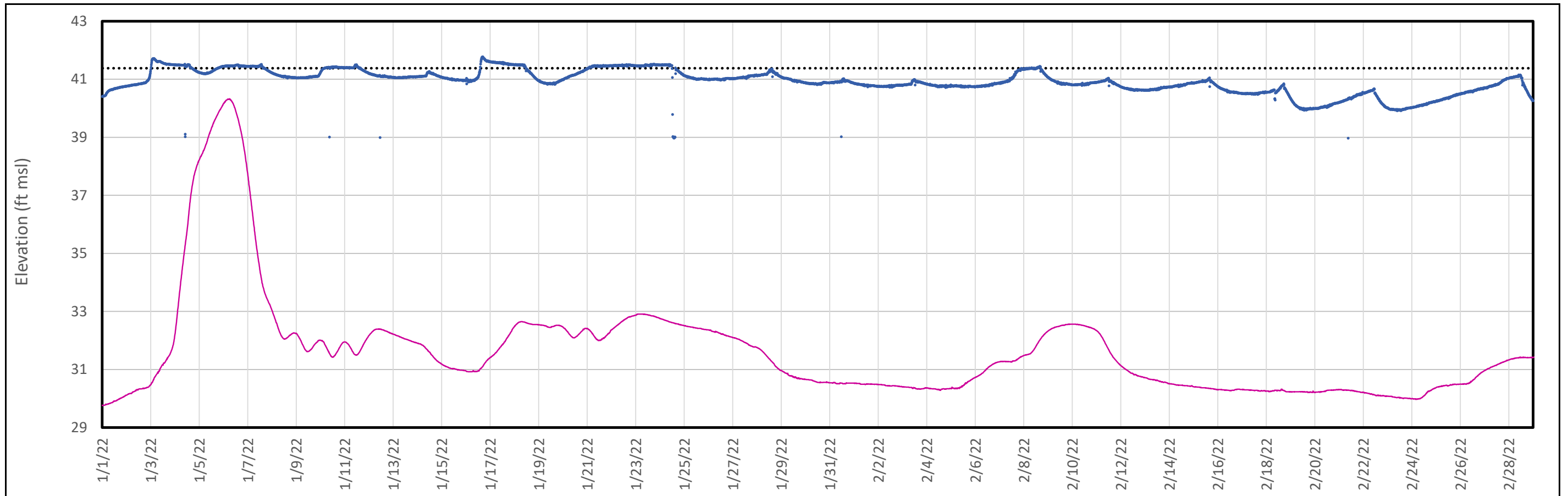


Legend
 — Inlet Chamber/Impoundment Elevation

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

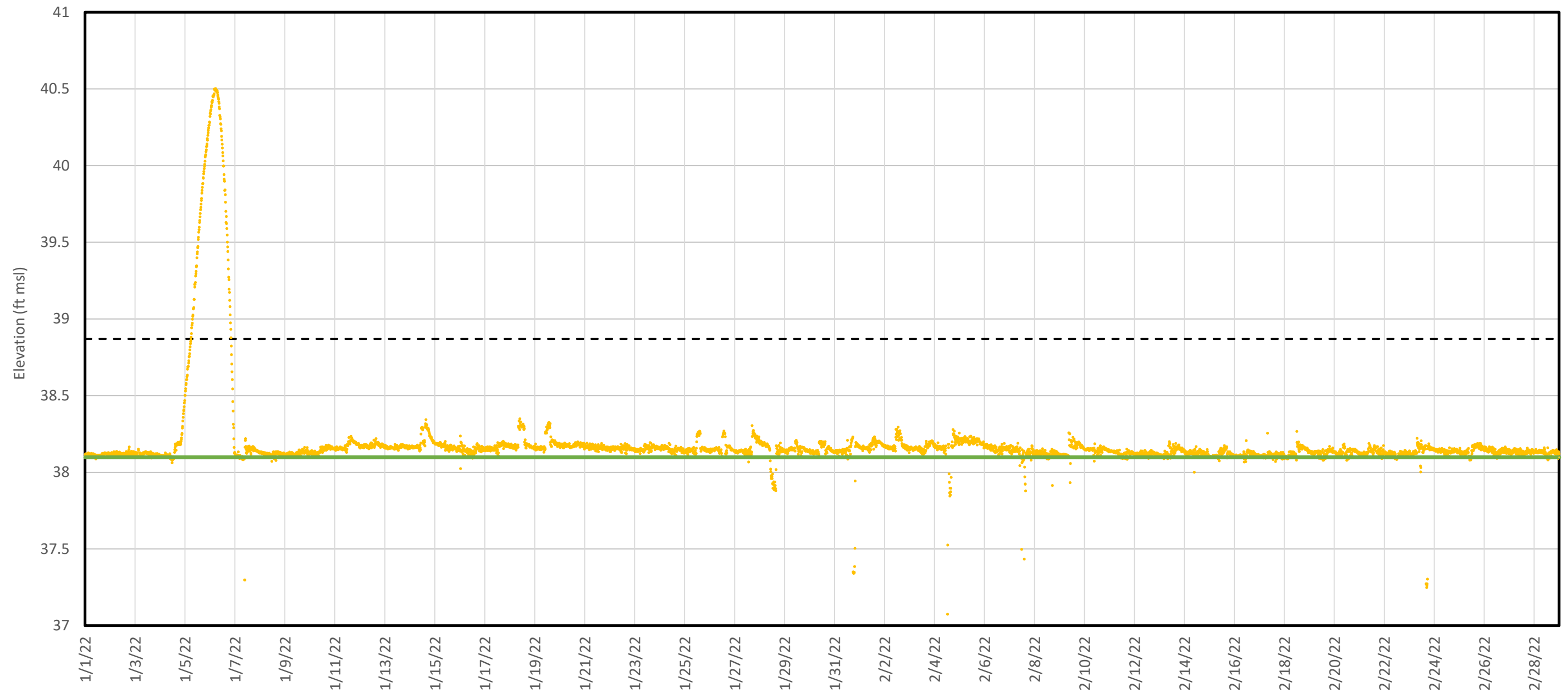
Inlet Chamber Water Elevation - Seep B Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2022

**Figure
 A3-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-B compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Inlet Chamber Water Elevation and External Forcings - Seep B	
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 2022
Figure A4-B	



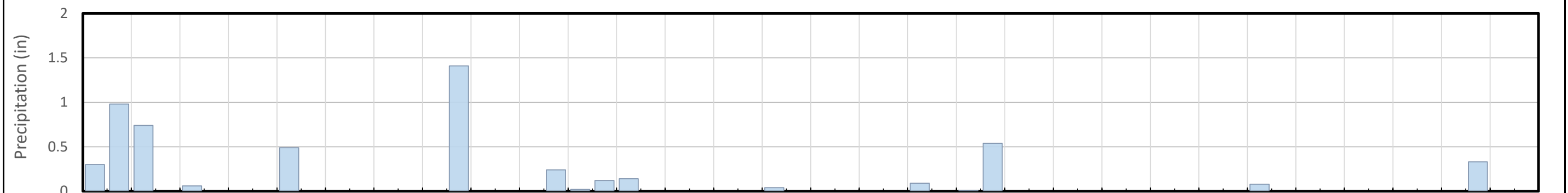
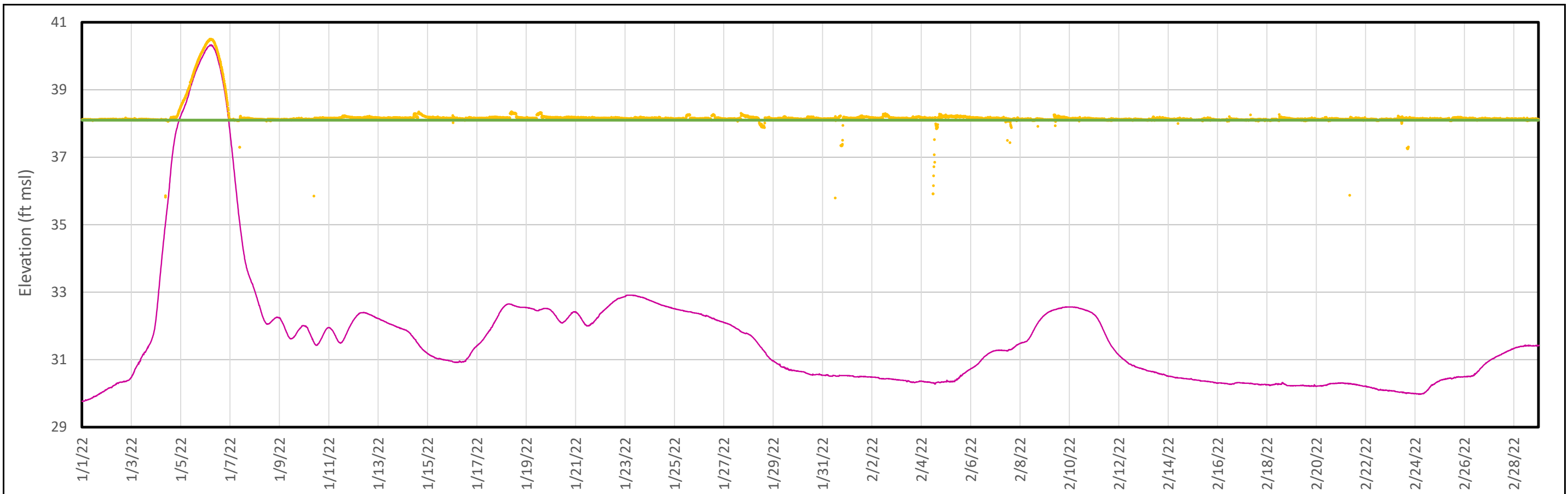
Legend

- 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.

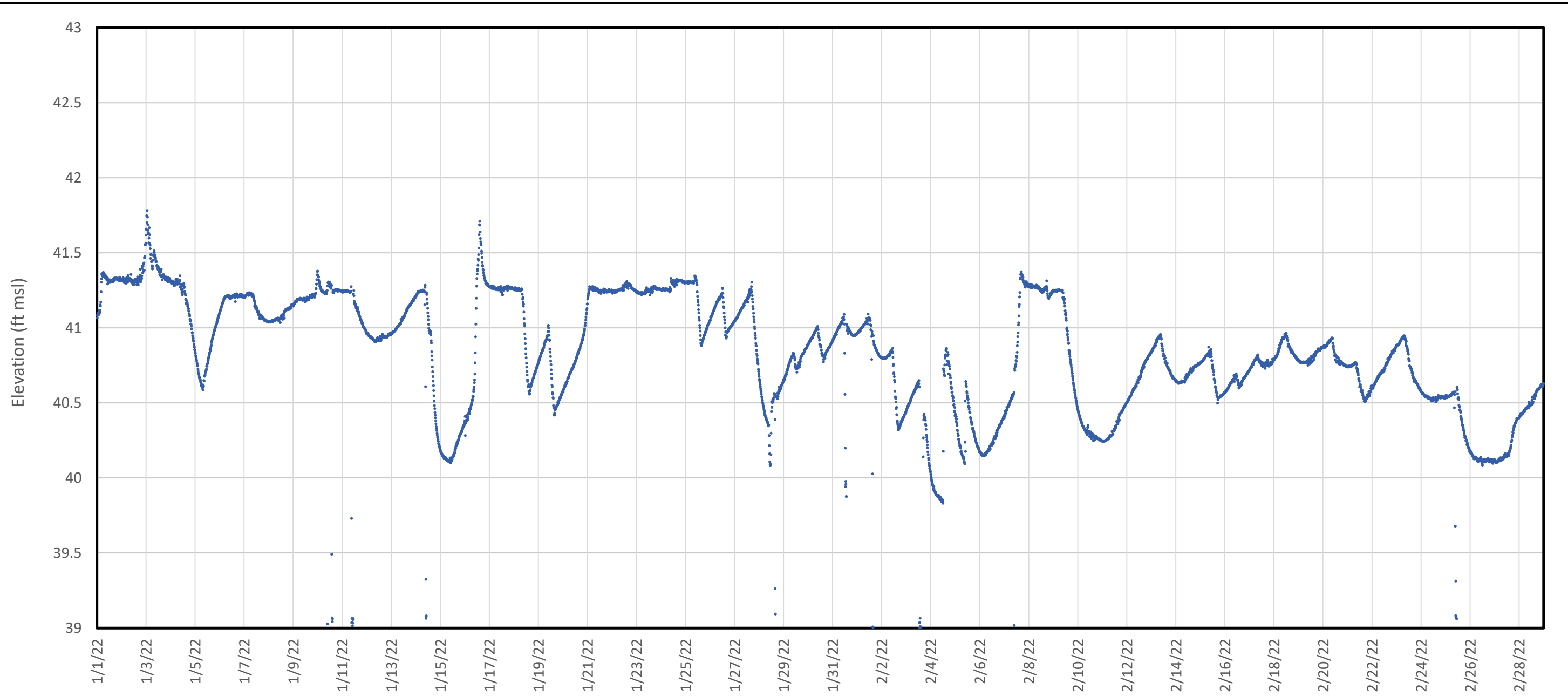
Discharge Basin Water Elevation - Seep C	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022
Figure A1-C	



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-C compares the available transducer data to precipitation and river stage elevation data available from the USGS Huske Lock and Dam.

Discharge Basin Water Elevation and External Forcings - Seep C	
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 2022

Figure A2-C



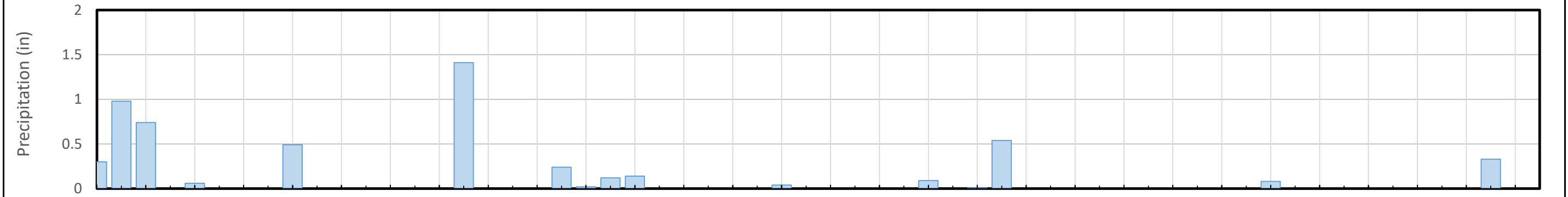
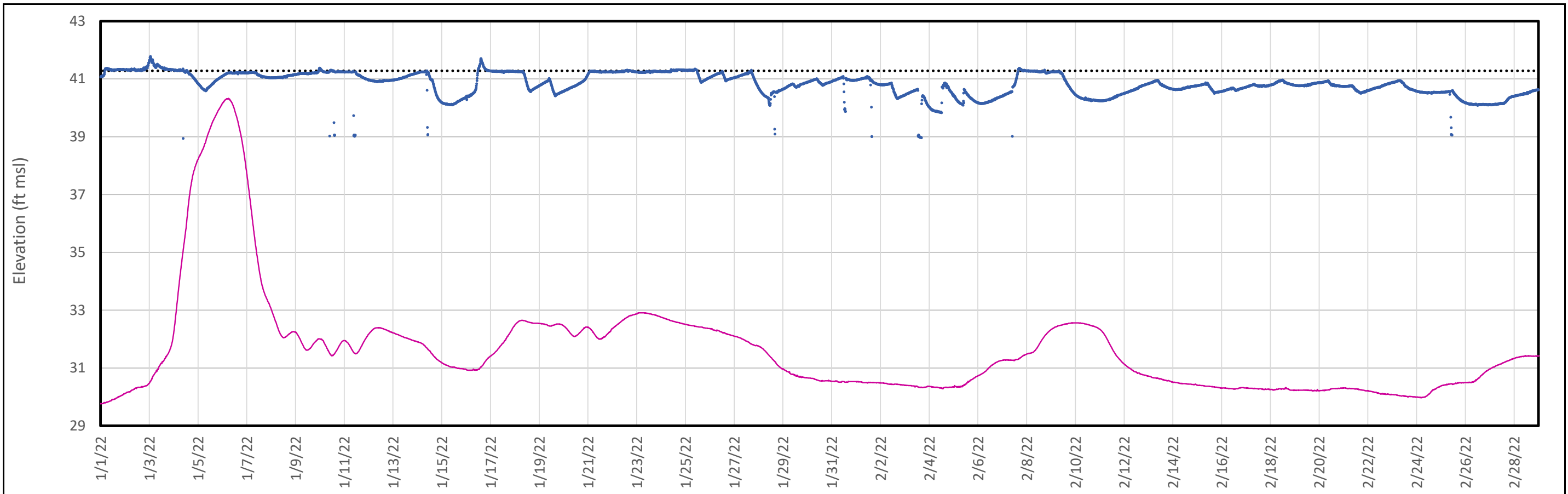
Legend

— Inlet Chamber/Impoundment Elevation

Notes:

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

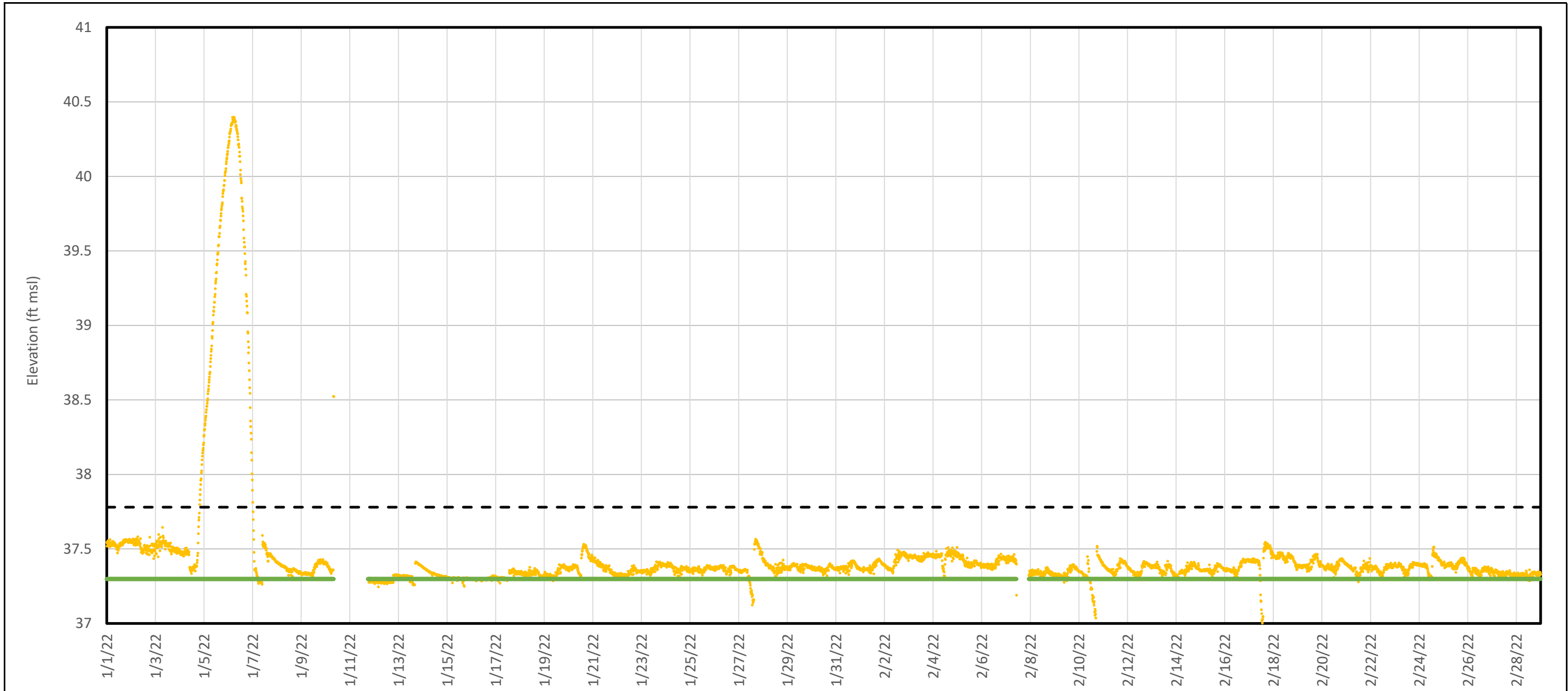
Inlet Chamber Water Elevation - Seep C Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2022
Figure A3-C	



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

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

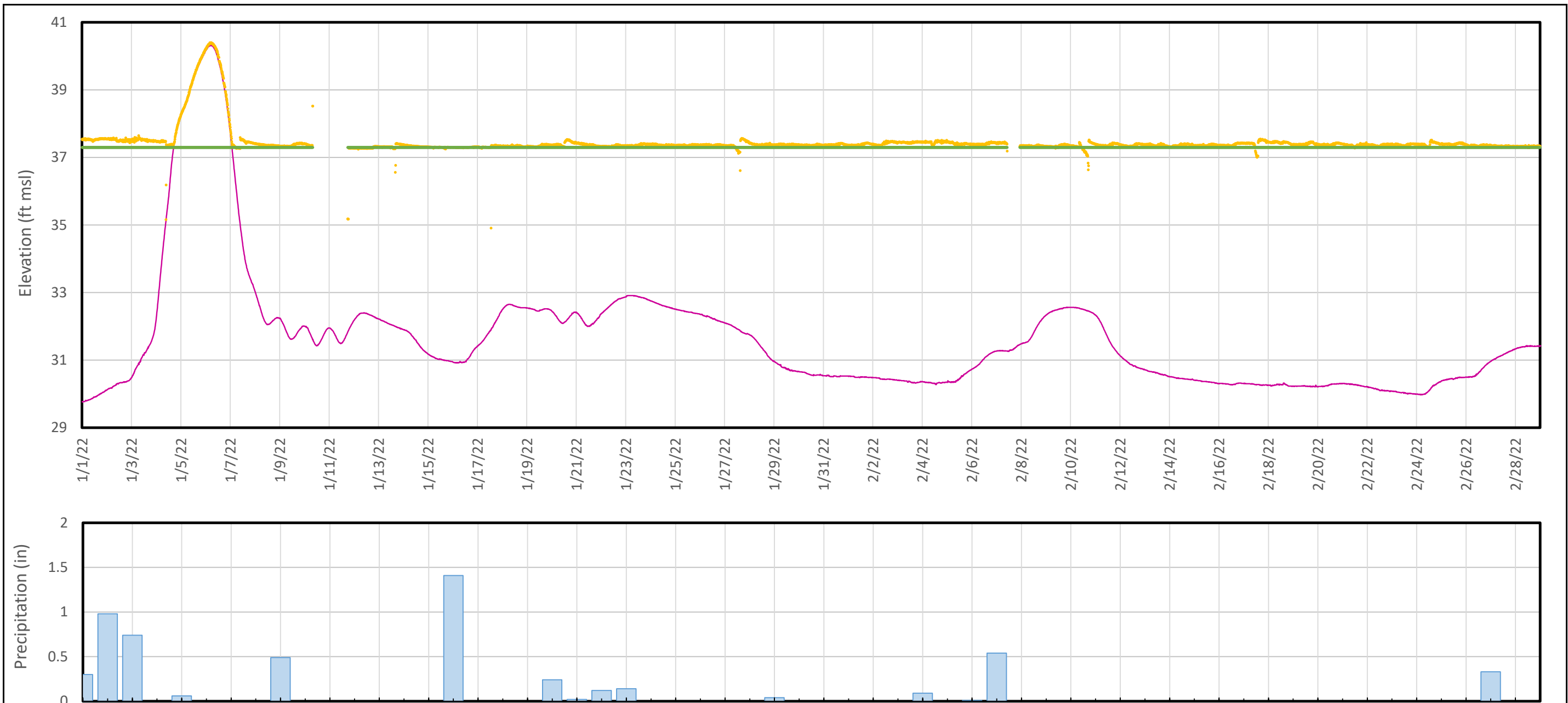
Inlet Chamber Water Elevation and External Forcings - Seep C	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec <small>consultants</small>	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2022
Figure A4-C	



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.

Discharge Basin Water Elevation - Seep D	
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 2022
Figure A1-D	



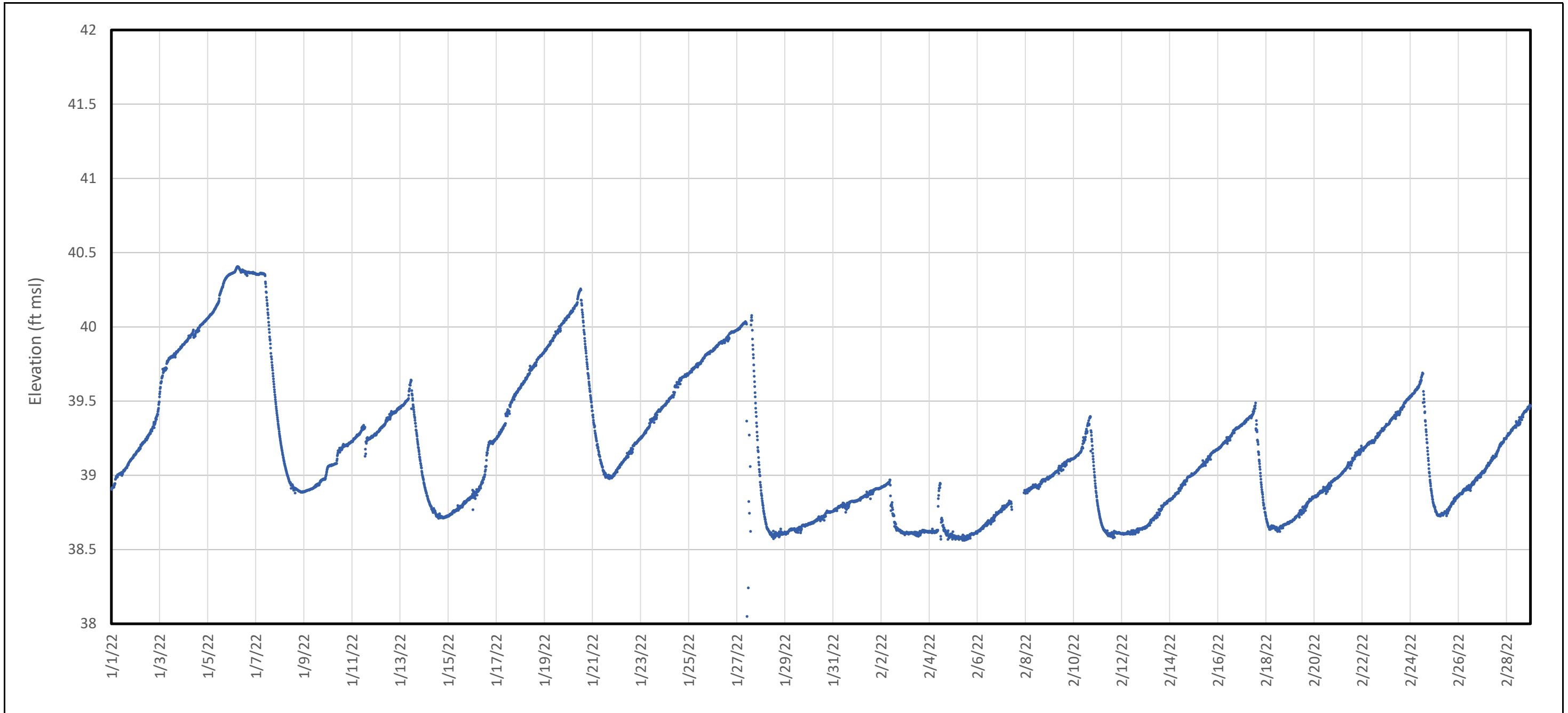
Legend

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

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

Discharge Basin Water Elevation and External Forcings - Seep D	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	March 2022

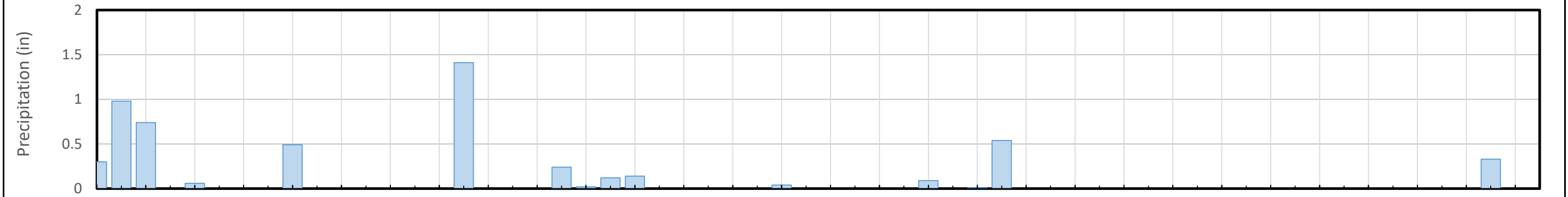
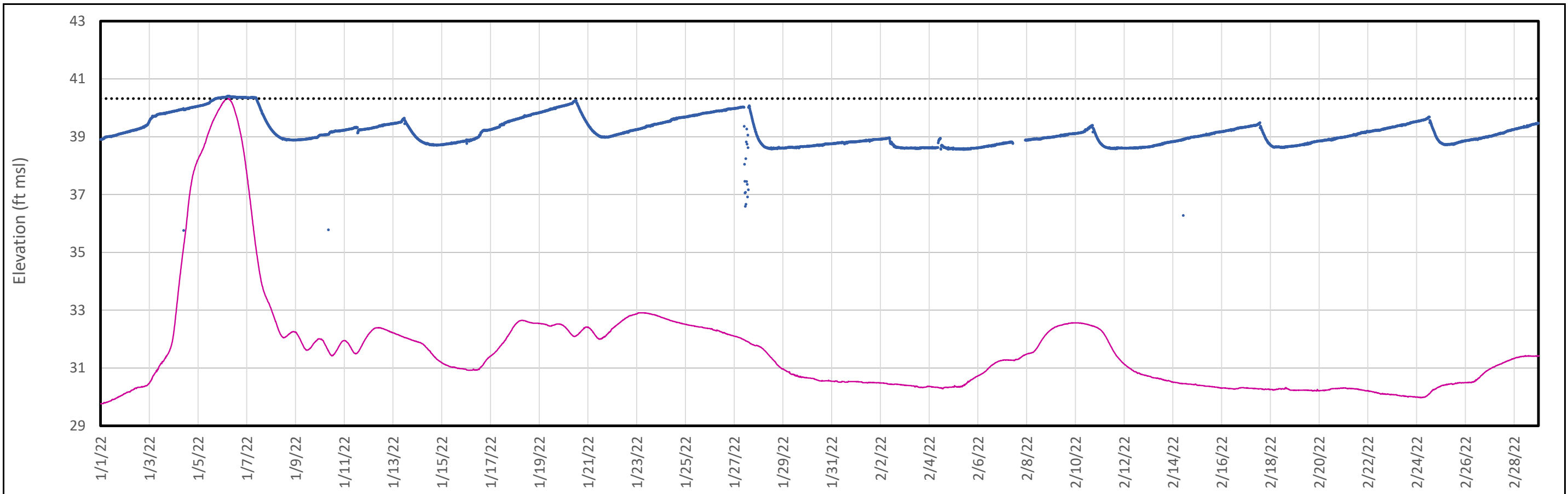
**Figure
A2-D**



Legend
 — Inlet Chamber/Impoundment Elevation

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

Inlet Chamber Water Elevation - Seep D	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	March 2022
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.

Inlet Chamber Water Elevation and External Forcings - Seep D	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 2915
Raleigh, NC	March 2022
Figure A4-D	

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 2022 (select lots)

Project Reviewer: Michael Aucoin

Sample Summary

Field Sample ID	Lab Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose
SEEP-A-INFLUENT-24-010822	320-83798-1	Other liquid	N	01/08/2022	23:01	FS
SEEP-A-EFFLUENT-24-010822	320-83798-2	Other liquid	N	01/08/2022	23:01	FS
SEEP-B-INFLUENT-24-010822	320-83798-3	Other liquid	N	01/08/2022	23:01	FS
SEEP-B-EFFLUENT-24-010822	320-83798-4	Other liquid	N	01/08/2022	23:01	FS
SEEP-C-INFLUENT-24-010822	320-83798-5	Other liquid	N	01/08/2022	23:01	FS
SEEP-C-EFFLUENT-24-010822	320-83798-6	Other liquid	N	01/08/2022	23:01	FS
SEEP-FBLK-011122	320-83798-7	Blank Water	N	01/11/2022	15:00	FB
SEEP-A-Effluent-RAIN-24-011122	320-84168-1	Other liquid	N	01/11/2022	07:00	FS
SEEP-A-Influent-RAIN-23-011122	320-84168-2	Other liquid	N	01/11/2022	07:04	FS
SEEP-B-Influent-RAIN-24-011722	320-84168-3	Other liquid	N	01/17/2022	10:15	FS
SEEP-B-Effluent-RAIN-24-011722	320-84168-4	Other liquid	N	01/17/2022	11:25	FS
SEEP-C-Influent-RAIN-22-011122	320-84168-5	Other liquid	N	01/11/2022	06:55	FS
SEEP-C-Effluent-RAIN-24-011122	320-84168-6	Other liquid	N	01/11/2022	06:57	FS
SEEP-D-Effluent-RAIN-24-011722	320-84168-7	Other liquid	N	01/17/2022	14:56	FS
SEEP-D-Influent-RAIN-24-011722	320-84168-8	Other liquid	N	01/17/2022	13:02	FS

Seep-EBLK-012022	320-84168-9	Blank Water	N	01/20/2022	16:00	EB
SEEP-A-Effluent-24-011522	320-84172-1	Other liquid	N	01/15/2022	23:01	FS
SEEP-A-Influent-24-011522	320-84172-2	Other liquid	N	01/15/2022	23:01	FS
SEEP-B-Influent-24-011522	320-84172-3	Other liquid	N	01/15/2022	23:01	FS
SEEP-B-Effluent-24-011522	320-84172-4	Other liquid	N	01/15/2022	23:01	FS
SEEP-C-Influent-24-011522	320-84172-5	Other liquid	N	01/15/2022	23:01	FS
SEEP-C-Effluent-24-011522	320-84172-6	Other liquid	N	01/15/2022	23:01	FS
SEEP-D-Effluent-24-011222	320-84172-7	Other liquid	N	01/12/2022	23:01	FS
SEEP-D-Influent-24-011222	320-84172-8	Other liquid	N	01/12/2022	23:01	FS
Seep-FBLK-012022	320-84172-9	Blank Water	N	01/20/2022	14:00	FB
SEEP-B-INFLUENT-264-013122	320-84467-1	Other liquid	N	01/31/2022	20:00	FS
SEEP-D-EFFLUENT-276-013122-D	320-84467-10	Other liquid	N	01/31/2022	20:00	DUP
SEEP-B-EFFLUENT-276-013122	320-84467-2	Other liquid	N	01/31/2022	20:00	FS
SEEP-D-INFLUENT-264-013122	320-84467-3	Other liquid	N	01/31/2022	20:00	FS
SEEP-D-EFFLUENT-276-013122	320-84467-4	Other liquid	N	01/31/2022	20:00	FS
SEEP-C-INFLUENT-240-013122	320-84467-5	Other liquid	N	01/31/2022	20:00	FS
SEEP-C-EFFLUENT-156-013122	320-84467-6	Other liquid	N	01/31/2022	20:00	FS
SEEP-A-INFLUENT-270-013122	320-84467-7	Other liquid	N	01/31/2022	20:00	FS
SEEP-A-EFFLUENT-276-013122	320-84467-8	Other liquid	N	01/31/2022	20:00	FS

SEEP-FBLK-020122	320-84467-9	Blank Water	N	02/01/2022	12:00	FB
SEEP-C-INFLUENT-RAIN-24-020822	320-84762-1	Other liquid	N	02/08/2022	14:10	FS
SEEP-C-EFFLUENT-RAIN-24-020822	320-84762-2	Other liquid	N	02/08/2022	14:58	FS
SEEP-B-INFLUENT-336-021522	320-84905-1	Other liquid	N	02/15/2022	08:00	FS
SEEP-B-EFFLUENT-336-021522	320-84905-2	Other liquid	N	02/15/2022	08:00	FS
SEEP-D-INFLUENT-336-021522	320-84905-3	Other liquid	N	02/15/2022	08:00	FS
SEEP-D-EFFLUENT-336-021522	320-84905-4	Other liquid	N	02/15/2022	08:00	FS
SEEP-C-INFLUENT-192-021522	320-84905-5	Other liquid	N	02/15/2022	08:00	FS
SEEP-C-EFFLUENT-336-021522	320-84905-6	Other liquid	N	02/15/2022	08:00	FS
SEEP-FBLK-021622	320-84905-7	Blank Water	N	02/16/2022	14:00	FB
SEEP-A-INFLUENT-24-022022	320-85203-1	Other liquid	N	02/20/2022	15:00	FS
SEEP-A-EFFLUENT-24-022022	320-85203-2	Other liquid	N	02/20/2022	15:00	FS
SEEP-A-INFLUENT-24-022322	320-85203-3	Other liquid	N	02/23/2022	17:00	FS
SEEP-A-EFFLUENT-23-022322	320-85203-4	Other liquid	N	02/23/2022	17:00	FS
SEEP-FBLK-022222	320-85203-5	Blank Water	N	02/22/2022	13:00	FB
SEEP-B-INFLUENT-312-030122	320-85362-1	Other liquid	N	03/01/2022	08:00	FS
SEEP-A-EFFLUENT-24-022522	320-85362-10	Other liquid	N	02/25/2022	17:00	FS
SEEP-FBLK-030122	320-85362-11	Blank Water	N	03/01/2022	15:00	FB

SEEP-B-EFFLUENT-312-030122	320-85362-2	Other liquid	N	03/01/2022	08:00	FS
SEEP-D-INFLUENT-312-030122	320-85362-3	Other liquid	N	03/01/2022	08:00	FS
SEEP-D-EFFLUENT-312-030122	320-85362-4	Other liquid	N	03/01/2022	08:00	FS
SEEP-C-INFLUENT-312-030122	320-85362-5	Other liquid	N	03/01/2022	08:00	FS
SEEP-C-EFFLUENT-282-030122	320-85362-6	Other liquid	N	03/01/2022	08:00	FS
SEEP-A-INFLUENT-24-022422	320-85362-7	Other liquid	N	02/24/2022	17:00	FS
SEEP-A-EFFLUENT-24-022422	320-85362-8	Other liquid	N	02/24/2022	17:00	FS
SEEP-A-INFLUENT-24-022522	320-85362-9	Other liquid	N	02/25/2022	17:00	FS
SEEP-B-INFLUENT-RAIN-24-022822	320-85364-1	Other liquid	N	02/28/2022	18:00	FS
SEEP-B-EFFLUENT-RAIN-24-022822	320-85364-2	Other liquid	N	02/28/2022	18:00	FS
SEEP-D-INFLUENT-RAIN-24-022822	320-85364-3	Other liquid	N	02/28/2022	18:00	FS
SEEP-D-EFFLUENT-RAIN-24-022822	320-85364-4	Other liquid	N	02/28/2022	18:00	FS
SEEP-A-INFLUENT-RAIN-24-022822	320-85364-5	Other liquid	N	02/28/2022	18:00	FS
SEEP-A-EFFLUENT-RAIN-24-022822	320-85364-6	Other liquid	N	02/28/2022	18:00	FS
SEEP-EQBLK-030122	320-85364-7	Blank Water	N	03/01/2022	15:00	EB

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

Analytical Protocol

Lab Name¹	Lab Method	Parameter Category	Sampling Program
Eurofins Environ Testing Northern Cali	Cl. Spec. Table 3 Compound SOP	Per- and Polyfluorinated Alkyl Substances (PFAS)	Seep Flow Through Cell Sampling 2022

¹ This laboratory name changed to Eurofins Environmental Testing Northern California (former TestAmerica Sacramento), effective January 1, 2022.

ADQM Data Review Checklist

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

* See DVM Narrative Report, Lab Report, or ER # for further details as indicated.

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

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

Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

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

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

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

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

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

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

DVM Narrative Report

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	R-PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	Hydrolyzed PSDA	0.0044	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	Hydrolyzed PSDA	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	R-EVE	0.0053	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	R-EVE	0.0047	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-EFFLUENT-276-013122	01/31/2022	320-84467-4	PFO2HxA	0.0023	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122	01/31/2022	320-84467-4	PFO2HxA	0.0025	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122	01/31/2022	320-84467-4	PFMOAA	0.0061	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122	01/31/2022	320-84467-4	PFMOAA	0.0060	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122-D	01/31/2022	320-84467-10	PFO2HxA	0.0094	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122-D	01/31/2022	320-84467-10	PFO3OA	0.0044	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122-D	01/31/2022	320-84467-10	PFMOAA	0.018	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-Influent-RAIN-23-011122	01/11/2022	320-84168-2	Hydrolyzed PSDA	23	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-RAIN-24-011722	01/17/2022	320-84168-3	Hydrolyzed PSDA	15	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-RAIN-22-011122	01/11/2022	320-84168-5	Hydrolyzed PSDA	0.48	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	Hydrolyzed PSDA	1.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	Hydrolyzed PSDA	1.5	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-24-011522	01/15/2022	320-84172-2	Hydrolyzed PSDA	25	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-24-011522	01/15/2022	320-84172-3	Hydrolyzed PSDA	23	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	Hydrolyzed PSDA	0.63	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	Hydrolyzed PSDA	0.65	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	Hydrolyzed PSDA	1.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	Hydro-PS Acid	0.23	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	Hydro-PS Acid	0.26	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	R-PSDA	0.0051	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022522	02/25/2022	320-85362-10	Hydrolyzed PSDA	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-24-010822	01/08/2022	320-83798-2	Hydrolyzed PSDA	0.0049	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-010822	01/08/2022	320-83798-1	R-PSDA	1.7	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-010822	01/08/2022	320-83798-1	Hydrolyzed PSDA	19	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-010822	01/08/2022	320-83798-1	R-EVE	0.75	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-010822	01/08/2022	320-83798-3	R-PSDA	2.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-010822	01/08/2022	320-83798-3	Hydrolyzed PSDA	20	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-010822	01/08/2022	320-83798-3	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	R-PSDA	0.66	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	R-PSDA	0.69	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	Hydrolyzed PSDA	0.62	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	Hydrolyzed PSDA	0.67	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	R-EVE	0.57	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-010822	01/08/2022	320-83798-5	R-EVE	0.58	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Effluent-RAIN-24-011122	01/11/2022	320-84168-1	Hydrolyzed PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-RAIN-23-011122	01/11/2022	320-84168-2	R-PSDA	2.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-RAIN-23-011122	01/11/2022	320-84168-2	R-EVE	0.96	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-Effluent-RAIN-24-011722	01/17/2022	320-84168-4	Hydrolyzed PSDA	0.0050	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-RAIN-24-011722	01/17/2022	320-84168-3	R-PSDA	2.4	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-RAIN-24-011722	01/17/2022	320-84168-3	R-EVE	1.7	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-RAIN-22-011122	01/11/2022	320-84168-5	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-RAIN-22-011122	01/11/2022	320-84168-5	R-EVE	0.42	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Effluent-RAIN-24-011722	01/17/2022	320-84168-7	Hydrolyzed PSDA	0.0022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	R-PSDA	0.66	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	R-PSDA	0.70	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	R-EVE	0.56	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-RAIN-24-011722	01/17/2022	320-84168-8	R-EVE	0.59	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Effluent-24-011522	01/15/2022	320-84172-1	Hydrolyzed PSDA	0.0042	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-24-011522	01/15/2022	320-84172-2	R-PSDA	2.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-24-011522	01/15/2022	320-84172-2	R-EVE	0.92	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-24-011522	01/15/2022	320-84172-3	R-PSDA	3.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-24-011522	01/15/2022	320-84172-3	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	R-PSDA	0.55	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	R-PSDA	0.52	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date		Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
	Sampled	Lab Sample ID										
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	R-EVE	0.55	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Influent-24-011522	01/15/2022	320-84172-5	R-EVE	0.55	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	R-PSDA	0.69	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	R-PSDA	0.67	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	R-EVE	0.61	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-Influent-24-011222	01/12/2022	320-84172-8	R-EVE	0.58	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-276-013122	01/31/2022	320-84467-8	R-PSDA	0.34	UG/L	PQL		0.0071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-276-013122	01/31/2022	320-84467-8	Hydrolyzed PSDA	3.6	UG/L	PQL		0.0038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-276-013122	01/31/2022	320-84467-8	R-EVE	0.15	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-270-013122	01/31/2022	320-84467-7	R-PSDA	0.39	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-270-013122	01/31/2022	320-84467-7	Hydrolyzed PSDA	8.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-270-013122	01/31/2022	320-84467-7	R-EVE	0.21	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-276-013122	01/31/2022	320-84467-2	R-PSDA	0.015	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-276-013122	01/31/2022	320-84467-2	Hydrolyzed PSDA	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-276-013122	01/31/2022	320-84467-2	R-EVE	0.0052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-23-022322	02/23/2022	320-85203-4	R-PSDA	0.26	UG/L	PQL		0.0071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-23-022322	02/23/2022	320-85203-4	Hydrolyzed PSDA	2.8	UG/L	PQL		0.0038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-23-022322	02/23/2022	320-85203-4	R-EVE	0.13	UG/L	PQL		0.0072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	R-PSDA	0.063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	R-PSDA	0.063	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	Hydrolyzed PSDA	0.65	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	Hydrolyzed PSDA	0.64	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	R-EVE	0.029	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022022	02/20/2022	320-85203-2	R-EVE	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022422	02/24/2022	320-85362-8	R-PSDA	0.027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022422	02/24/2022	320-85362-8	Hydrolyzed PSDA	0.30	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022422	02/24/2022	320-85362-8	R-EVE	0.011	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022522	02/25/2022	320-85362-10	Hydrolyzed PSDA	0.0096	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-RAIN-24-022822	02/28/2022	320-85364-6	Hydrolyzed PSDA	0.056	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	R-PSDA	2.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	R-PSDA	2.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	Hydrolyzed PSDA	25	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	Hydrolyzed PSDA	24	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method SOP	Pre-prep	Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	R-EVE	1.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022022	02/20/2022	320-85203-1	R-EVE	0.99	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022322	02/23/2022	320-85203-3	R-PSDA	2.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022322	02/23/2022	320-85203-3	Hydrolyzed PSDA	28	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022322	02/23/2022	320-85203-3	R-EVE	1.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022422	02/24/2022	320-85362-7	R-PSDA	3.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022422	02/24/2022	320-85362-7	Hydrolyzed PSDA	36	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022422	02/24/2022	320-85362-7	R-EVE	1.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022522	02/25/2022	320-85362-9	R-PSDA	2.6	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022522	02/25/2022	320-85362-9	Hydrolyzed PSDA	31	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-022522	02/25/2022	320-85362-9	R-EVE	1.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-5	R-PSDA	3.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-5	Hydrolyzed PSDA	34	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-5	R-EVE	1.2	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-312-030122	03/01/2022	320-85362-2	Hydrolyzed PSDA	0.026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-021522	02/15/2022	320-84905-2	Hydrolyzed PSDA	0.0062	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-EFFLUENT-RAIN-24-022822	02/28/2022	320-85364-2	Hydrolyzed PSDA	0.0039	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-264-013122	01/31/2022	320-84467-1	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-264-013122	01/31/2022	320-84467-1	Hydrolyzed PSDA	7.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-264-013122	01/31/2022	320-84467-1	R-EVE	0.55	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	R-PSDA	4.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	R-PSDA	4.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	Hydrolyzed PSDA	38	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	Hydrolyzed PSDA	36	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	R-EVE	2.3	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-030122	03/01/2022	320-85362-1	R-EVE	2.2	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-021522	02/15/2022	320-84905-1	R-PSDA	3.4	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-021522	02/15/2022	320-84905-1	Hydrolyzed PSDA	31	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336-021522	02/15/2022	320-84905-1	R-EVE	2.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-1	R-PSDA	5.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-1	Hydrolyzed PSDA	41	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-1	R-EVE	2.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-156-013122	01/31/2022	320-84467-6	R-PSDA	0.022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

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

Field Sample ID	Date		Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
	Sampled	Lab Sample ID										
SEEP-C-EFFLUENT-156-013122	01/31/2022	320-84467-6	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-156-013122	01/31/2022	320-84467-6	R-EVE	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-282-030122	03/01/2022	320-85362-6	Hydrolyzed PSDA	0.021	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-021522	02/15/2022	320-84905-6	R-PSDA	0.030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-021522	02/15/2022	320-84905-6	Hydrolyzed PSDA	0.020	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-336-021522	02/15/2022	320-84905-6	R-EVE	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	R-PSDA	0.53	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	R-PSDA	0.53	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	Hydrolyzed PSDA	0.72	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	Hydrolyzed PSDA	0.68	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	R-EVE	0.54	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-192-021522	02/15/2022	320-84905-5	R-EVE	0.54	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-030122	03/01/2022	320-85362-5	R-PSDA	1.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-030122	03/01/2022	320-85362-5	Hydrolyzed PSDA	1.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-030122	03/01/2022	320-85362-5	R-EVE	0.85	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	R-PSDA	0.49	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	R-PSDA	0.48	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	Hydrolyzed PSDA	0.49	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	Hydrolyzed PSDA	0.50	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	R-EVE	0.40	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-020822	02/08/2022	320-84762-1	R-EVE	0.41	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-276-013122-D	01/31/2022	320-84467-10	Hydrolyzed PSDA	0.0030	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-264-013122	01/31/2022	320-84467-3	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-264-013122	01/31/2022	320-84467-3	Hydrolyzed PSDA	1.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-264-013122	01/31/2022	320-84467-3	R-EVE	0.40	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-312-030122	03/01/2022	320-85362-3	R-PSDA	0.97	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-312-030122	03/01/2022	320-85362-3	Hydrolyzed PSDA	2.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-312-030122	03/01/2022	320-85362-3	R-EVE	0.79	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-021522	02/15/2022	320-84905-3	R-PSDA	0.63	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-021522	02/15/2022	320-84905-3	Hydrolyzed PSDA	1.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-021522	02/15/2022	320-84905-3	R-EVE	0.65	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-3	R-PSDA	1.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-3	Hydrolyzed PSDA	2.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-RAIN-24-022822	02/28/2022	320-85364-3	R-EVE	0.97	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Validation Reason

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	PFMOAA	0.060	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-Effluent-24-011522	01/15/2022	320-84172-6	PFMOAA	0.065	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022522	02/25/2022	320-85362-10	PFMOAA	0.059	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-022522	02/25/2022	320-85362-10	PFMOAA	0.062	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep