



Geosyntec Consultants of NC, P.C.
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INTERIM SEEP REMEDIATION OPERATION AND MAINTENANCE REPORT #8

Chemours Fayetteville Works

Prepared for

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EXECUTIVE SUMMARY

This Operations and Maintenance Report #8 (O&M Report #8) has been prepared to document the operations, maintenance, and performance of the flow-through cells at Seeps A, B, C, and D from March 1 through April 30, 2022. The median flow rate processed by the Seep A, B, and C, and D FTCs was 78, 191, 54, and 121 gallons per minute (gpm), respectively. As documented in the previous O&M Reports #1 through #7, 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 38,000,000 gallons of seep flow. Composite samples from performance monitoring indicated that the average PFAS removal efficiency of the captured base flow was approximately 99.7%, and the FTCs are estimated to have prevented approximately 57.3 pounds (lbs) of PFAS from being discharged to the Cape Fear River in the reporting period, and 329.9 lbs of PFAS over the lifetime of the systems to date.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1. Introduction.....	4
2. Inspections, Operation, and Maintenance.....	5
2.1 Inspections.....	5
2.2 Duty Cycling	5
2.3 FTC Management During River Flooding	6
2.4 Material Changeouts.....	6
2.5 Issues Encountered and Resolutions	6
3. Data Collected	8
3.1 Pressure Transducers.....	8
3.2 Rainfall and River Stage.....	8
3.3 Operational and Treatment Performance Monitoring	8
3.3.1 Performance Monitoring	8
3.3.2 Breakthrough Monitoring.....	9
3.3.3 Water Quality Monitoring	9
3.3.4 Rain Event Monitoring.....	9
3.4 Deviations.....	9
3.4.1 Transducer Monitoring Deviations	10
3.4.2 Water Quality	10
3.4.3 Performance Monitoring Sampling Deviations.....	10
3.4.4 Wet Weather Sampling Deviations	10
4. Results.....	11
4.1 System Flowrates and Operational Periods.....	11
4.1.1 System Flowrate	11
4.1.2 Bypass Flow	12
4.2 Performance Monitoring Analytical Results	12
4.3 System Effectiveness.....	13
4.4 Wet Weather Sampling Results.....	13
4.5 River Elevation and Precipitation.....	14
4.6 Water Quality	14
5. Summary.....	16
6. References.....	17

LIST OF TABLES

Table 1a-d	Summary of Operations and Maintenance Activities – Seeps A-D
Table 2a-d	Sampling Summary – Seeps A-D
Table 3a-d	Summary of Performance Monitoring Analytical Results – Seeps A-D
Table 4a-d	Summary of Wet Weather Analytical Results – Seeps A-D
Table 5	Cape Fear River Elevation and Precipitation Statistics
Table 6a-d	Water Quality Data – Seeps A-D

LIST OF FIGURES

Figure 1	River Level and Seep C FTC As-Built Elevations
Figure 2a-d	Measured Discharge Flowrate – Seeps A-D
Figure 3a-d	Influent Water Elevation and Bypass Flow – Seeps A-D

LIST OF APPENDICES

Appendix A	Transducer Data Reduction
Appendix B	Laboratory Analytical Data Review Narrative

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 #8 (“O&M Report #8”) 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 #8 has been prepared for the operational period of March 1 through April 30, 2022. The next O&M Report (#9) will cover the bimonthly period of May 1 through June 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 #8, 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 (March 1 through April 30, 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 typically operate in series. Tables 1a-d detail the filter bed configurations for Seeps A, B, C, and D over the reporting period of March 1 through April 30, 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	21	40	61
B	19	42	61
C	34	27	61
D	32	29	61

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 March 14 through 15, and on March 18 through 20, 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])
A	FB1	3/24/2022	51/31.5	18,000
C	FB2	3/25/2022	47/30.5	9,000
D	FB2	4/1/2022	134/47.5	27,000
B	FB2	4/14/2022	86/52	27,000
C	FB1	4/27/2022	64/33.5	9,000
<i>Total</i>				<i>90,000</i>

2.5 Issues Encountered and Resolutions

As discussed in detail in OM&M Report #7, significant improvements were made at the seeps to enhance the reduction of sediment runoff in the watershed and improve sediment management within the FTCs. Within the catchments of Seeps A and C in particular, the improvements consisted of reinforced silt fence along tributaries, and within tributaries, a combination of jute porous baffles, rock check dams, and floc logs. Within the FTC systems, significant improvement was observed with a combination of two approaches:

- Removal of the gravel drainage layer in the filter bed during routine GAC changeout events. Perforated underdrain pipes were temporarily dismantled, cleaned, and re-installed. Fresh gravel was installed over the cleaned pipes.
- Installation of batten strips allows 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.

These improvements were initiated in January-February 2022 and continued in this March-April reporting period. The following table broadly summarizes the anticipated FTC improvement schedule for the first half of 2022:

FTC Improvement	Completed in Previous Reporting Period (Jan – Feb)	Completed in Current Reporting Period (Mar – Apr)	Anticipated To Be Completed in Next Report Period (May – June)
Overhaul of drainage layer and perforated pipes	Seep A FB1 Seep C FB1 Seep C FB2	Seep A FB2	Seep B FB1 Seep B FB2 Seep D FB1 Seep D FB2
Installation of batten strips	None	Seep A FB2 Seep B FB2 Seep C FB1 Seep C FB2 Seep D FB2	Seep A FB1 Seep B FB1 Seep D FB1

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, five performance monitoring samples were collected at Seeps A, B, C, and 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. Ten sets of breakthrough monitoring samples each were collected from Seeps A and B during this reporting period, and eight sets of breakthrough monitoring samples each were collected from Seeps C and D during this reporting period (36 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 at least 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

There were no deviations in the download or analysis of transducer data during this reporting period.

3.4.2 Water Quality

The operations, maintenance, and monitoring staff reported that water quality parameters were collected three times during March and twice in April at all four Seeps. However, the influent data from April 15, 2022 at Seep D was inadvertently misplaced. There were no deviations in water quality measurements at Seeps A-C.

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 March 11, 2022, the autosampler at Seep A malfunctioned, which interrupted the 14-day composite cycle, resulting in the collection of fewer aliquots of sample (156) than planned (336).
- On March 14 and March 18, 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 March 14. To maintain the sampling program for the second half of March, the operation, maintenance, and monitoring staff re-programmed the autosamplers to collect two 24-hour composite samples at Seeps A-D (March 26 and 29).
- Before the completion of the composite sampling on April 15, 2022, the autosampler for the Seep C effluent malfunctioned, resulting in the collection of fewer aliquots of sample (282) than planned (336).

3.4.4 Wet Weather 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 April 19, 2022, the autosampler at Seep B malfunctioned, which interrupted the 24-hour composite cycle, resulting in the collection of fewer aliquots of sample (12) than planned (24).

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	61 days (March 1 – April 30, 2022)				
Rainfall, Actual (in)	3.32 (March 1 – April 30, 2022)				
Rainfall, Historical Average (in)	5.92 (March 1- April 30, 2004-2020)				
River Above Spillway (days) *	2.7	2.4	2.5	2.7	N/A
Operational Period (days)	61				N/A
Median Flow Rate (gpm)	78	191	54	121	444
Seep Volume Treated (gallons)	7,000,000	16,000,000	4,000,000	11,000,000	38,000,000
PFAS Removed (lbs)	11.7	33.2	3.4	9.0	57.3

* 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	78	191	54	121
95 th percentile Flow Rate (gpm) during the Reporting Period	199	324	109	281
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, 16,000,000 gallons, 4,000,000 gallons, and 11,000,000 gallons of water (38,000,000 gallons total) were treated by the Seeps A, B, C, and D FTCs, respectively, from March 1 through April 30, 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 March was approximately 1.23 inches, which is approximately half the monthly historical average of 2.79 inches. In April, the total rainfall was 2.09 inches, approximately 33% less than the monthly historical average of 3.13 inches. The instances of bypass at Seeps A and C caused by heavy rains were resolved with maintenance events lowering the impoundment below the spillway, similar to previous reporting periods. At Seeps B and D, rainfall did not cause bypass in this reporting period.

4.2 Performance Monitoring Analytical Results

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

Analytical Results – Performance Monitoring	Seep A	Seep B	Seep C	Seep D
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L)	168,000	230,000	94,600	92,600
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	1,408	242	275	29
Average Removal Efficiency (%)	99.2	99.9	99.7	>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 99.7%. The system effectiveness for the individual Seeps is presented below:

System Effectiveness	Seep A		Seep B		Seep C		Seep D		Overall Average
	Mar	Apr	Mar	Apr	Mar	Apr	Mar	Apr	
%	99.2	99.6	>99.9	99.8	99.9	99.5	>99.9	>99.9	99.7

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)	145,000	200,000	72,300	92,000
Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	91	77	48	20
Removal Efficiency (%)	99.9	>99.9	99.9	>99.9

4.5 River Elevation and Precipitation

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

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

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

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 top of the GAC at Seeps A-D over March 17 through 21, 2022, and was above the spillway and the top of the FTC walls for an approximate two-day period within this timeframe as well.

The changes in elevation of the Cape Fear River during the reporting period (March 1 through April 30, 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 2 mg/L. Aerobic (>2 mg/L) conditions were mostly observed 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 -26.9 and -25.1 $\mu\text{S}/\text{cm}$.
- **pH:** The median effluent pH at the four seeps ranged from 4.6 to 7.1 S.U. in this reporting period. From the IC to the ESB, the median pH of treated water increased slightly at Seeps A and B (0.3 and 0.1 S.U., respectively), whereas the median pH of treated water at Seep C decreased slightly (0.1 S.U.), and did not change at Seep D. An increase in pH from IC to ESB is anticipated due to the inflow's contact with the concrete walls of the FTC and the GAC in the filter beds.
- **Turbidity and TSS:** The median turbidity of the influent water at Seeps A, B, C, and D ranged from 3.1 to 36.8 NTU. The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A-D ranged from 0.6 to 5.0 NTU. Except for one influent sample at Seep D that had a TSS of 13.47 mg/L, the TSS was observed to be 0.0 mg/L for all the influent and effluent monitoring locations.

5. SUMMARY

The following summarizes the FTCs' performance after the completion of the latest reporting period (March 1 through April 30, 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 99.7%. To date, the A-D FTCs have prevented approximately 329.9 lbs of PFAS from being discharged to the Cape Fear River.
- In continued response to the elevated levels of turbidity in the impoundments of Seeps A and C in particular (O&M Report #7), preventative measures were taken at all four Seeps to significantly reduce the carryover of solids through the FTCs. These measures (Section 2.5) included thorough cleaning of clogged gravel and underdrain piping, installation of cleanouts, and installation of batten strips to better secure the geotextile separation layer between gravel and GAC layers.

The next reporting period (May 1 through June 30, 2022) will be detailed in O&M Report #9, to be submitted no later than July 31, 2022.

6. REFERENCES

- AECOM, 2018. Poly and Perfluoroalkyl Substance Quality Assurance Project Plan. August 2018.
- Geosyntec, 2020. Interim Seep Remediation System Plan. Chemours Fayetteville Works. 31 August 2020.
- Geosyntec, 2021a. Interim Seep Remediation Operation and Maintenance Report #1. Chemours Fayetteville Works. 31 March 2021.
- Geosyntec, 2021b. Interim Seep Remediation Operation and Maintenance Report #2. Chemours Fayetteville Works. 31 May 2021.
- Geosyntec, 2021c. Interim Seep Remediation Operation and Maintenance Report #3. Chemours Fayetteville Works. 30 July 2021.
- 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.
- Geosyntec, 2021g. Interim Seep Remediation Operation and Maintenance Report #7. Chemours Fayetteville Works. 31 March 2022.

TABLES

Table 1a
Summary of Operations and Maintenance Activities - Seep A
Reporting Period 8 (March - April 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			
03/01/2022	308	No				Lead	Lag	Lead	Lag	X	N/A	12 inches of freeboard.
03/02/2022	309	No				Lead	Lag	Lead	Lag		Dewatered FB1, FB2, inlet and mid-basin. Vacuumed rock from inlet.	N/A
03/03/2022	310	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Drained FB1 through mid-basin.	N/A
03/05/2022	312	No				Lead	Lag	Lead	Lag		N/A	16 inches of freeboard.
03/06/2022	313	No				Lead	Lag	Lead	Lag		N/A	12 inches of freeboard.
03/07/2022	314	No	X			Lead	Lag	Lead	Lag	X	Cleaned FB1.	12 inches of freeboard. Low flow into the inlet.
03/08/2022	315	No				Lead	Lag	Lead	Lag		N/A	N/A
03/11/2022	318	No				Lead	Lag	Lead	Lag		Cleaned FB1.	N/A
03/12/2022	319	No				Lead	Lag	Lead	Lag		N/A	8 inches of freeboard. Rain gauge reading of 1 inch.
03/13/2022	320	No			X	Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Evidence of bypass in spillway. 1 inch of freeboard. Sediment pond turbid. Needed both pumps for dewatering. FB1 clogged.
03/14/2022	321	Yes		X		Lead	Lag	Lead	Lag	X	N/A	River is at flood stage. Cell is not processing due to high river level.
03/15/2022	322	Yes				Lead	Lag	Parallel	Parallel		Cell placed in parallel.	River level dropped below Weir 3 at approximately 10 AM.
03/16/2022	323	Yes	X			Parallel	Parallel	Lead	Lag		Cleaned FB1 and FB2.	Large amounts of water in reservoir and cells but full flow observed in effluent stilling basin.
03/17/2022	324	Yes				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	Minimal turbidity observed in sediment pond.
03/21/2022	328	Yes				Lead	Lag	Closed	Lead	X	Serviced FB1. Skimmed and fluffed FB2.	N/A
03/23/2022	330	No				Closed	Lead	Closed	Lead		Carbon changeout. Removed bottom fabric. Bottom bedding stone vacuumed and replaced.	Reservoir basin appeared less turbid than 3/22/22. 10 inches of freeboard. No detections on gas meter during removal of GAC.
03/24/2022	331	No	X			Changeout	Lead	Lag	Lead		GAC installed without batton boards. Bedding stone that was laden with GAC was removed. New stone was replaced. New bottom fabric installed in FB1.	Unable to install batton boards due to rebar interference.
03/25/2022	332	No				Lag	Lead	Lag	Lead		Skimmed, fluffed, and added new fabric in FB2.	7.5 inches of freeboard after service.
03/26/2022	333	--		X		Lag	Lead	Lag	Lead		N/A	N/A
03/28/2022	335	No	X			Lag	Lead	Lag	Lead	X	N/A	Reservoir basin appears clear with pollen on surface.
03/29/2022	336	No		X		Lag	Lead	Lag	Lead		Cleaned FB1 and FB2.	Low flow being processed through FB2.
03/30/2022	337	No	X			Lag	Lead	Lag	Lead		N/A	N/A
04/02/2022	340	No				Lag	Lead	Lag	Lead		N/A	7 inches of freeboard.
04/03/2022	341	No				Lag	Lead	Lag	Lead		FB2 maintenance.	4 inches of freeboard.
04/04/2022	342	No	X			Lag	Lead	Lag	Lead	X	N/A	13 inches of freeboard.
04/05/2022	343	--				Lag	Lead	Lag	Lead		N/A	N/A
04/06/2022	344	No				Lead	Lag	Lag	Lead		N/A	Rain gauge reading of 1.1 inches.
04/07/2022	345	Yes				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	N/A
04/08/2022	346	--	X			Lag	Lead	Parallel	Parallel		N/A	N/A
04/10/2022	348	--				Lag	Lead	Lag	Lead		N/A	6 inches of freeboard.
04/11/2022	349	No	X			Parallel	Parallel	Lag	Lead	X	Cleaned and fluffed FB1 and FB2.	Turbid water noted in reservoir.
04/15/2022	353	No		X		Lag	Lead	Lag	Lead		Skimmed and fluffed FB2	8 inches of freeboard. Form showing estimated flowrates shows no flow but cell is flowing. Recommends fixing ASAP
04/16/2022	354	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard.
04/17/2022	355	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard. No rain in gauge.
04/18/2022	356	No	X			Lag	Lead	Lag	Lead	X	N/A	9 inches of freeboard. Rain gauge reading of 0.4 inches.
04/19/2022	357	Yes			X	Lag	Lead	Lag	Lead		N/A	Rain gauge reading of 0.75 inches.
04/20/2022	358	Yes				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2. Drained FB2.	Water present in spillway, but not flowing.
04/22/2022	360	No				Lag	Lead	Lag	Lead		Cleaned FB2 and flushed inlet.	6.5 inches of freeboard
04/25/2022	363	No	X			Lag	Lead	Lag	Lead	X	Influent data logger chain rusted and broke. Replaced with plastic twine.	7 inches of freeboard.
04/26/2022	364	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB1 and FB2.	11 inches of freeboard
04/28/2022	366	No				Lag	Lead	Lag	Lead		N/A	11.25 inches of freeboard
04/29/2022	367	No		X		Lag	Lead	Lag	Lead		Skimmed and fluffed new fabric at FB2.	N/A
04/30/2022	368	No				Lag	Lead	Lag	Lead		N/A	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 1b
Summary of Operations and Maintenance Activities - Seep B
Reporting Period 8 (March - April 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			
03/01/2022	267	No		X		Lag	Lead	Lag	Lead	X	100 pounds of biocide applied to the inlet reservoir. Raised Weir 3.	N/A
03/03/2022	269	No				Lag	Lead	Lag	Lead		Cleaned FB2.	N/A
03/05/2022	271	No				Lag	Lead	Lag	Lead		N/A	16 inches of freeboard.
03/06/2022	272	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard.
03/07/2022	273	No	X			Lag	Lead	Lag	Lead	X	N/A	N/A
03/08/2022	274	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	N/A
03/10/2022	276	No				Lag	Lead	Lag	Lead		Inspected ISCO.	15 inches of freeboard.
03/12/2022	278	No				Lag	Lead	Lag	Lead		N/A	6 inches of freeboard. Sediment pond turbid. Rain gauge reading of 1.10 inches. ISCOs fired.
03/13/2022	279	No			X	Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	1 inch of freeboard.
03/14/2022	280	No		X		Lag	Lead	Lag	Lead	X	N/A	N/A
03/15/2022	281	No				Lag	Lead	Lag	Lead		Replaced performance sample ISCO tubing.	N/A
03/16/2022	282	No	X			Lag	Lead	Lag	Lead		Placed in parallel.	1 inch of freeboard before placing in parallel. 3 inches of freeboard after placing in parallel.
03/17/2022	283	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2. Checked performance ISCOs.	Observed flow rate increase after cleaning.
03/21/2022	287	No				Lag	Lead	Lag	Lead	X	N/A	3 inches of freeboard.
03/22/2022	288	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	N/A
03/23/2022	289	No				Lag	Lead	Lag	Lead		N/A	Reservoir high due to recent rain. 3 inches of freeboard.
03/24/2022	290	No	X			Lag	Lead	Lag	Lead		Skimmed, fluffed, and replaced fabric in FB2.	9 inches of freeboard after service.
03/26/2022	292	--		X		Lag	Lead	Lag	Lead		N/A	N/A
03/28/2022	294	No	X			Lag	Lead	Lag	Lead	X	Skimmed, fluffed, and replaced fabric in FB2.	Reservoir basin appeared high with bacteria.
03/29/2022	295	--		X		Lag	Lead	Lag	Lead		N/A	N/A
03/30/2022	296	No	X			Lag	Lead	Lag	Lead		N/A	N/A
03/31/2022	297	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB1 and FB2.	6 inches of freeboard.
04/04/2022	301	No	X			Lag	Lead	Lag	Lead	X	Dewatered FB2.	Bacterial debris noted during FB2 dewatering.
04/06/2022	303	No			X	Lag	Lead	Lag	Lead		Cleaned FB1.	No freeboard initially, but gained 1 inch after FB2 maintenance. Rain gauge reading of 1 inches.
04/07/2022	304	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	Basin surface level higher than typical. No freeboard upon arrival. 3 inches of freeboard gained after maintenance.
04/08/2022	305	No	X			Lag	Lead	Lag	Lead		N/A	N/A
04/11/2022	308	No	X			Parallel	Parallel	Lead	Closed		Skimmed and fluffed FB1.	5.25 inches of freeboard.
04/12/2022	309	No				Lead	Closed	Lead	Closed		Changeout/batton strips.	N/A
04/13/2022	310	No				Lead	Closed	Lead	Closed		Batton strip installation.	N/A
04/14/2022	311	No				Lead	Changeout	Lead	Lag		FB2 inlet flushed with Biocide application. GAC changeout at FB2.	N/A
04/15/2022	312	No		X		Lead	Lag	Lead	Lag		Skimmed and fluffed	7.25 inches of freeboard.
04/16/2022	313	No				Lead	Lag	Lead	Lag		N/A	12 inches of freeboard.
04/17/2022	314	No				Lead	Lag	Lead	Lag		N/A	10 inches of freeboard. No rain in gauge.
04/18/2022	315	No	X			Lead	Lag	Lead	Lag	X	N/A	9.5 inches of freeboard.
04/19/2022	316	No			X	Lead	Lag	Lead	Lag		FB1, FB2, inlet cleaned	3 inches of freeboard. Rain gauge reading of 0.75 inches.
04/20/2022	317	No				Lead	Lag	Lead	Lag		N/A	5 inches of freeboard.
04/21/2022	318	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Replaced fabric.	12 inches of freeboard.
04/25/2022	322	No	X			Lead	Lag	Lead	Lag	X	N/A	6.5 inches of freeboard.
04/27/2022	324	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	3 inches of freeboard. Rain gauge reading of 0.2 inches.
04/29/2022	326	--		X		Lead	Lag	Lead	Lag		N/A	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 8 (March - April 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			
03/01/2022	441	No		X		Lag	Lead	Lag	Lead	X	Cleaned FB2.	5 inches of freeboard.
03/02/2022	442	No				Lag	Lead	Lag	Lead		Water jet cleaning of FB1 and FB2.	12 inches of freeboard. Turbidity observed in inlet reservoir.
03/05/2022	445	No				Lag	Lead	Lag	Lead		N/A	14 inches of freeboard.
03/06/2022	446	No				Lag	Lead	Lag	Lead		N/A	N/A
03/07/2022	447	No	X			Lag	Lead	Lag	Lead	X	N/A	N/A
03/10/2022	450	No				Lag	Lead	Lag	Lead		Cleaned FB1 and FB2. Scraped approximately 1 gallon worth of bacteria from FB1.	Bacteria in FB1. Very low reservoir water level. No head pressure.
03/12/2022	452	Yes				Lag	Lead	Lag	Lead		N/A	Rain gauge reading of 1.1 inches. Turbidity in sediment pond. Flow through cells not clogged.
03/13/2022	453	--			X	Lag	Lead	Lag	Lead		N/A	N/A
03/14/2022	454	No		X		Lag	Lead	Lag	Lead	X	N/A	River appears to be restricting FTC operations. River is above FTC outlet.
03/15/2022	455	No				Lag	Lead	Parallel	Parallel		Skimmed, fluffed, and added new fabric to FB2. Replaced performance ISCO tubing.	0.5 inches of freeboard. River is high and covering outlet.
03/16/2022	456	No	X			Parallel	Parallel	Lag	Lead		Skimmed and fluffed FB1 and FB2.	Cell was in parallel upon arrival. FB2 still not processing properly. Started performance ISCOs.
03/21/2022	461	Yes				Lag	Lead	Lag	Lead	X	Serviced FB1.	N/A
03/22/2022	462	No				Lag	Lead	Lead	Closed		Flushed inlet basin to remove silt from stone filter.	Reservoir appeared turbid.
03/23/2022	463	--				Lead	Closed	Lead	Closed		N/A	N/A
03/24/2022	464	No	X			Lead	Closed	Lead	Closed		GAC removed from FB2. Skimmed and fluffed FB2.	N/A
03/25/2022	465	--				Lead	Changeout	Lead	Lag		GAC installed in FB2.	N/A
03/26/2022	466	--		X		Lead	Lag	Lead	Lag		N/A	N/A
03/28/2022	468	No	X			Lead	Lag	Lead	Lag	X	Changed Weir 3 height to ensure hydration of lag bed.	Reservoir appeared turbid. Bacteria potentially in reservoir.
03/29/2022	469	No		X		Lead	Lag	Lead	Lag		N/A	N/A
03/30/2022	470	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	9.25 inches of freeboard.
04/02/2022	473	No				Lead	Lag	Lead	Lag		N/A	12 inches of freeboard.
04/04/2022	475	No	X			Lead	Lag	Lead	Lag	X	Applied biocide to reservoir.	12.5 inches of freeboard.
04/06/2022	477	Yes			X	Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	High turbidity observed in the reservoir. Considerable sediment intrusion. 1 inch of freeboard gained after maintenance.
04/07/2022	478	--				Lead	Lag	Lead	Lag		N/A	N/A
04/08/2022	479	No				Lead	Lag	Parallel	Parallel		Skimmed and fluffed FB1 and FB2.	N/A
04/11/2022	482	No	X			Lead	Lag	Lead	Lag	X	N/A	Plan to service lead this week. 4 inches of freeboard. Basin appears turbid.
04/12/2022	483	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	2 inches of freeboard. High turbidity in reservoir.
04/13/2022	484	No				Lead	Lag	Parallel	Parallel		N/A	1 inch of freeboard. Plan to unclog drains FB1 tomorrow. High turbidity in reservoir.
04/14/2022	485	No				Parallel	Parallel	Lead	Lag		Line jet cleaning and skim and fluff FB2.	N/A
04/15/2022	486	No	X	X		Lead	Lag	Lead	Lag		N/A	10.5 inches of freeboard.
04/16/2022	487	No				Lead	Lag	Lead	Lag		N/A	8 inches of freeboard. Turbid sediment pond.
04/17/2022	488	No				Lead	Lag	Lead	Lag		N/A	6 inches of freeboard. No rain in gauge.
04/18/2022	489	No				Lead	Lag	Lead	Lag	X	N/A	5.5 inches of freeboard. 0.375 inches rain in gauge. Basin appears turbid.
04/19/2022	490	Yes			X	Lead	Lag	Lead	Lag		N/A	Rain gauge reading of 0.75 inches.
04/20/2022	491	Yes				Lead	Lag	Parallel	Parallel		Poor flow into FB2. FB1 skimmed and fluffed. Inlet fabric removed.	N/A
04/21/2022	492	No				Parallel	Parallel	Lead	Lag		Placed back into FB1 lead and FB2 lag.	14 inches of freeboard.
04/25/2022	496	No	X			Lead	Lag	Closed	Lead		Changed to sole processing FB2 for changeout tomorrow.	3 inches of freeboard. Turbidity in sediment pond.
04/26/2022	497	No				Closed	Lead	Closed	Lead		Vacuumed out FB1 and installed batten strips. Jetted under drains and cleaned out GAC and rock from Inlet and ISB.	8.25 inches of freeboard.
04/27/2022	498	No				Changeout	Lead	Lag	Lead		Replaced bottom fabric and line jetted FB1, vacuumed out inlet and ISB of all GAC and rock. Cleaned FB2 and replaced GAC in FB1.	N/A
04/28/2022	499	No				Lag	Lead	Lag	Lead		N/A	14 inches of freeboard.
04/29/2022	500	No		X		Lag	Lead	Lag	Lead		N/A	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 1d
Summary of Operations and Maintenance Activities - Seep D
Reporting Period 8 (March - April 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			
03/01/2022	251	No		X		Lag	Lead	Lag	Lead	X	Greenclean added to cell and reservoir.	N/A
03/02/2022	252	No				Lag	Lead	Lag	Lead		Skimmed and fluffed FB2. Dewatered FB2 through mid-basin.	N/A
03/05/2022	255	No				Lag	Lead	Lag	Lead		N/A	15 inches of freeboard.
03/06/2022	256	No				Lag	Lead	Lag	Lead		N/A	12 inches of freeboard.
03/07/2022	257	No	X			Lag	Lead	Lag	Lead	X	N/A	12 inches of freeboard.
03/09/2022	259	No				Lag	Lead	Lag	Lead		Cleaned FB2 and flushed/cleaned inlet.	Dirty inlet basin post biocide application.
03/12/2022	262	No				Lag	Lead	Lag	Lead		N/A	No evidence of bypass in spillway. 12 inches of freeboard. Turbid in sediment pond. Rain gauge reading of 1.1 inches.
03/13/2022	263	--			X	Lag	Lead	Lag	Lead		N/A	N/A
03/14/2022	264	No		X		Lag	Lead	Lag	Lead	X	N/A	River is at flood stage (43 feet at Lock and Dam gauge). Cell is not processing.
03/15/2022	265	No				Lag	Lead	Lag	Lead		N/A	7 inches of freeboard.
03/16/2022	266	No	X			Lag	Lead	Lag	Lead		Set up performance ISCOs.	N/A
03/21/2022	271	No				Lag	Lead	Lag	Lead	X	N/A	1.5 inches of freeboard.
03/22/2022	272	No				Lag	Lead	Lag	Lead		Skimmed, fluffed, and added new fabric to FB1 and FB2.	Gained 2 inches of freeboard after service. 3 inches total of freeboard.
03/24/2022	274	No	X			Lag	Lead	Lag	Lead		Skimmed and fluffed FB2.	N/A
03/26/2022	276	--		X		Lag	Lead	Lag	Lead		N/A	N/A
03/28/2022	278	No	X			Lag	Lead	Lag	Lead	X	Skimmed and fluffed FB2.	5 inches of freeboard. Bacteria observed in reservoir.
03/29/2022	279	No		X		Lag	Lead	Lead	Closed		N/A	7 inches of freeboard.
03/30/2022	280	No				Lead	Closed	Lead	Closed		Bedding stone removed and replaced at FB2.	N/A
03/31/2022	281	No				Lead	Closed	Lead	Closed		Installed batten boards in FB2.	N/A
04/01/2022	282	No				Lead	Changeout	Lead	Lag		GAC changeout at FB2.	N/A
04/02/2022	283	No				Lead	Lag	Lead	Lag		N/A	9 inches of freeboard.
04/04/2022	285	No	X			Lead	Lag	Lead	Lag	X	Applied biocide to reservoir.	15 inches of freeboard.
04/06/2022	287	No				Lead	Lag	Lead	Lag		N/A	10 inches of freeboard. Rain gauge reading of 1.5 inches.
04/08/2022	289	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1.	6.3 inches of freeboard.
04/11/2022	292	No	X			Lead	Lag	Lead	Lag	X	N/A	15 inches of freeboard
04/13/2022	294	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1, relocated turbidity curtain.	N/A
04/15/2022	296	--		X		Lead	Lag	Lead	Lag		N/A	N/A
04/16/2022	297	No				Lead	Lag	Lead	Lag		N/A	18 inches of freeboard.
04/17/2022	298	No				Lead	Lag	Lead	Lag		N/A	16 inches of freeboard.
04/18/2022	299	No	X			Lead	Lag	Lead	Lag	X	N/A	13 inches of freeboard. 0.375 inches rain in gauge.
04/19/2022	300	No			X	Lead	Lag	Lead	Lag		N/A	10 inches of freeboard. Rain gauge reading of 0.75 inches.
04/20/2022	301	No				Lead	Lag	Lead	Lag		N/A	10 inches of freeboard.
04/21/2022	302	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Flushed inlet.	18 inches of freeboard.
04/25/2022	306	No	X			Lead	Lag	Lead	Lag	X	N/A	17 inches of freeboard. Bacterial debris in the reservoir. A fallen tree noted in the effluent area.
04/28/2022	309	No				Lead	Lag	Lead	Lag		Skimmed and fluffed FB1. Flushed inlet.	13 inches of freeboard. 0.2 inches of rainfall.
04/29/2022	310	--		X		Lead	Lag	Lead	Lag		N/A	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
 W1 - Weir 1

Table 2a
Sampling Summary - Seep A
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-156-031422 SEEP-A-EFFLUENT-306-031422	March 1 - March 14, 2022	March 11, 2022 March 14, 2022
SEEP-A-INFLUENT-24-032622 SEEP-A-EFFLUENT-24-032622	March 25 - March 26, 2022	March 26, 2022
SEEP-A-INFLUENT-24-032922 SEEP-A-EFFLUENT-24-032922	March 28 - March 29, 2022	March 29, 2022
SEEP-A-INFLUENT-336-041522 SEEP-A-EFFLUENT-336-041522	April 1 - April 15, 2022	April 15, 2022
SEEP-A-INFLUENT-336-042922 SEEP-A-EFFLUENT-336-042922	April 15 - April 29, 2022	April 29, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-A-INFLUENT-RAIN-24-031322 SEEP-A-EFFLUENT-RAIN-24-031322	March 13, 2022	06:45	0.89
SEEP-A-INFLUENT-RAIN-24-041922 SEEP-A-EFFLUENT-RAIN-24-041922	April 19, 2022	14:00	0.80

Notes

- 1 Sample Identification Label Key: "Seep - [A, B, C, or D] - [Sample Location Inside FTC] - [# of Aliquots in Composite Sample] - [MMDDYY]"
- 2 The ISCO autosampler at Seep A influent malfunctioned on March 11, interrupting the collection of aliquots in the 14-day composite cycle.
- 3 Two 24-hour effluent composite samples were collected for the second half of March because the flooding of the Cape Fear River on March 14-15, 2022 and March 18-21, 2022 interrupted the 14-day composite cycle. 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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-312-031422 SEEP-B-EFFLUENT-312-031422	March 1 - March 14, 2022	March 14, 2022
SEEP-B-INFLUENT-24-032622 SEEP-B-EFFLUENT-24-032622	March 25 - March 26, 2022	March 26, 2022
SEEP-B-INFLUENT-24-032922 SEEP-B-EFFLUENT-24-032922	March 28 - March 29, 2022	March 29, 2022
SEEP-B-INFLUENT-336-041522 SEEP-B-EFFLUENT-336-041522	April 1 - April 15, 2022	April 15, 2022
SEEP-B-INFLUENT-330-042922 SEEP-B-EFFLUENT-330-042922	April 15 - April 29, 2022	April 29, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-B-INFLUENT-RAIN-24-031322 SEEP-B-EFFLUENT-RAIN-24-031322	March 13, 2022	06:45	0.89
SEEP-B-INFLUENT-RAIN-24-040622 SEEP-B-EFFLUENT-RAIN-24-040622	April 6, 2022	17:00	0.94
SEEP-B-INFLUENT-RAIN-24-041922 SEEP-B-EFFLUENT-RAIN-12-041922	April 19, 2022	14:00	0.80

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 second half of March because the flooding of the Cape Fear River on March 14-15, 2022 and March 18-21, 2022 interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 3 The ISCO autosampler at Seep B influent malfunctioned on April 18, interrupting the collection of aliquots in the wet weather 24-hour composite cycle.
- 4 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

Table 2c
Sampling Summary - Seep C
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-312-031422 SEEP-C-EFFLUENT-312-031422	March 1 - March 14, 2022	March 14, 2022
SEEP-C-INFLUENT-24-032622 SEEP-C-EFFLUENT-24-032622	March 25 - March 26, 2022	March 26, 2022
SEEP-C-INFLUENT-24-032922 SEEP-C-EFFLUENT-24-032922	March 28 - March 29, 2022	March 29, 2022
SEEP-C-INFLUENT-336-041522 SEEP-C-EFFLUENT-282-041522	April 1 - April 15, 2022	April 15, 2022
SEEP-C-INFLUENT-336-042922 SEEP-C-EFFLUENT-336-042922	April 15 - April 29, 2022	April 29, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-C-INFLUENT-RAIN-24-031322 SEEP-C-EFFLUENT-RAIN-24-031322	March 13, 2022	06:45	0.89
SEEP-C-INFLUENT-RAIN-24-040622 SEEP-C-EFFLUENT-RAIN-24-040622	April 6, 2022	17:30	0.94
SEEP-C-INFLUENT-RAIN-24-041922 SEEP-C-EFFLUENT-RAIN-24-041922	April 19, 2022	14:00	0.80

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 second half of March because the flooding of the Cape Fear River on March 14-15, 2022 and March 18-21, 2022 interrupted the 14-day composite cycle. See Section 3.4.2 for details.
- 3 The ISCO autosampler at Seep C effluent malfunctioned before April 15, interrupting the collection of aliquots in the 14-day composite cycle.
- 4 Precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

Table 2d
Sampling Summary - Seep D
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

Performance Monitoring Composite Samples

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-306-031422 SEEP-D-EFFLUENT-306-031422	March 1 - March 14, 2022	March 14, 2022
SEEP-D-INFLUENT-24-032622 SEEP-D-EFFLUENT-24-032622	March 25 - March 26, 2022	March 26, 2022
SEEP-D-INFLUENT-24-032922 SEEP-D-EFFLUENT-24-032922	March 28 - March 29, 2022	March 29, 2022
SEEP-D-INFLUENT-336-041522 SEEP-D-EFFLUENT-336-041522	April 1 - April 15, 2022	April 15, 2022
SEEP-D-INFLUENT-336-042922 SEEP-D-EFFLUENT-336-042922	April 15 - April 29, 2022	April 29, 2022

Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-D-INFLUENT-RAIN-24-031322 SEEP-D-EFFLUENT-RAIN-24-031322	March 13, 2022	06:45	0.89
SEEP-D-INFLUENT-RAIN-24-041922 SEEP-D-EFFLUENT-RAIN-24-041922	April 19, 2022	14:00	0.80

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 second half of March because the flooding of the Cape Fear River on March 14-15, 2022 and March 18-21, 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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-A-INFLUENT- 156-031422	SEEP-A-EFFLUENT- 306-031422	Percent Removal	SEEP-A-INFLUENT- 24-032622	SEEP-A-EFFLUENT- 24-032622	Percent Removal	SEEP-A-INFLUENT- 24-032922	SEEP-A-EFFLUENT- 24-032922	Percent Removal	SEEP-A-INFLUENT- 336-041522	SEEP-A-EFFLUENT- 336-041522	Percent Removal
	Sample Date: 11-Mar-22	Sample Date: 14-Mar-22		Sample Date: 26-Mar-22	Sample Date: 26-Mar-22		Sample Date: 29-Mar-22	Sample Date: 29-Mar-22		Sample Date: 15-Apr-22	Sample Date: 15-Apr-22	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	20,000	170	99.2%	19,000	12	99.9%	23,000	510	97.8%	24,000	310	98.7%
PFMOAA	42,000	260	99.4%	64,000	47 J	99.9%	64,000	1500	97.7%	68,000	720	98.9%
PFO2HxA	25,000	210	99.2%	28,000	23	99.9%	38,000	800	97.9%	33,000	390	98.8%
PFO3OA	8,900	80	99.1%	11,000	8.5	99.9%	15,000	290	98.1%	12,000	150	98.8%
PFO4DA	4,700	47	99.0%	6,300	5.5	99.9%	7,900	170	97.8%	7,800	83	98.9%
PFO5DA	2,800	20	99.3%	3,300	3.6	99.9%	4,600	74	98.4%	4,300	44	99.0%
PMPA	9,900	98	99.0%	12,000	<10	100.0%	14,000	330	97.6%	13,000	160	98.8%
PEPA	3,800	37	99.0%	4,200	<20	100.0%	5,900	130	97.8%	4,800	58	98.8%
PS Acid	2,000	7	99.6%	1,700	<2.0	100.0%	680	14	97.9%	1,800	29	98.4%
Hydro-PS Acid	910	5	99.5%	1,000	<2.0	100.0%	1,300	27	97.9%	1,300	14	98.9%
R-PSDA	1,600 J	8.5 J	99.5%	<350	<2.0	100.0%	2,100 J	51 J	97.6%	2,300 J	26 J	98.9%
Hydrolyzed PSDA	17,000 J	71 J	99.6%	15,000 J	14 J	99.9%	23,000 J	490 J	97.9%	24,000 J	250 J	99.0%
R-PSDCA	27	<2.0	100.0%	<87	<2.0	100.0%	<87	<2.0	100.0%	43	<2.0	100.0%
NVHOS, Acid Form	810	7	99.1%	1,200	<2.0	100.0%	1,200	25	97.9%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,100	13	98.8%
EVE Acid	270	2	99.1%	200	<2.0	100.0%	90	<2.0	100.0%	200	4	98.0%
Hydro-EVE Acid	1,000	8	99.2%	1,100	<2.0	100.0%	1,400	32	97.7%	1,500	17	98.9%
R-EVE	710 J	6.1 J	99.1%	<360	<2.0	100.0%	970 J	24 J	97.5%	1,000 J	13 J	98.7%
PES	<6.7	<2.0	100.0%	<34	<2.0	100.0%	<34	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<130	<2.0	100.0%	<130	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<240	<2.0	100.0%	<240	<2.4	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	120,000	950	99.2%	150,000	100	99.9%	180,000	3,900	97.8%	170,000	2,000	98.8%
Total Table 3+ (20 compounds)¹	140,000	1,000	99.3%	170,000	110	99.9%	200,000	4,500	97.8%	200,000	2,300	98.9%

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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-A-INFLUENT- 336-042922	SEEP-A-EFFLUENT- 336-042922	Percent Removal
	Sample Date: 29-Apr-22	Sample Date: 29-Apr-22	
<i>Table 3 + SOP (ng/ L)</i>			
Hfpo Dimer Acid	26,000	24	99.9%
PFMOAA	100,000	29	>99.9%
PFO2HxA	39,000 J	25	99.9%
PFO3OA	15,000	5.7	>99.9%
PFO4DA	8,700	3.8	>99.9%
PFO5DA	4,300	2.6	99.9%
PMPA	14,000	<10	100.0%
PEPA	5,300	<20	100.0%
PS Acid	2,400	<2.0	100.0%
Hydro-PS Acid	1,400	<2.0	100.0%
R-PSDA	2,500 J	<2.0	100.0%
Hydrolyzed PSDA	32,000 J	4.5 J	>99.9%
R-PSDCA	53	<2.0	100.0%
NVHOS, Acid Form	NA	NA	NA
NVHOS, Salt Form	1,300	<2.0	100.0%
EVE Acid	280	<2.0	100.0%
Hydro-EVE Acid	1,700	<2.0	100.0%
R-EVE	1,100 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	90	>99.9%
Total Table 3+ (20 compounds)¹	260,000	95	>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

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

Bold - Analyte detected above associated reporting limit.

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

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

NA - Constituent not analyzed

ng/L - nanograms per liter

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 S:

Table 3b
Summary of Performance Monitoring Analytical Results - Seep B
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-B-INFLUENT- 312-031422	SEEP-B-EFFLUENT- 312-031422	Percent Removal	SEEP-B-INFLUENT- 24-032622	SEEP-B-EFFLUENT- 24-032622	Percent Removal	SEEP-B-INFLUENT- 24-032922	SEEP-B-EFFLUENT- 24-032922	Percent Removal	SEEP-B-INFLUENT- 336-041522	SEEP-B-EFFLUENT- 336-041522	Percent Removal
	Sample Date: 14-Mar-22	Sample Date: 14-Mar-22		Sample Date: 26-Mar-22	Sample Date: 26-Mar-22		Sample Date: 29-Mar-22	Sample Date: 29-Mar-22		Sample Date: 15-Apr-22	Sample Date: 15-Apr-22	
<i>Table 3 + SOP (ng/L)</i>												
Hfpo Dimer Acid	26,000	16	99.9%	21,000	4.2	>99.9%	22,000	2.3	>99.9%	25,000	110	99.6%
PFMOAA	110,000	51	>99.9%	130,000	38	>99.9%	100,000	32	>99.9%	100,000	410	99.6%
PFO2HxA	40,000	23	99.9%	36,000	5.8	>99.9%	40,000	2.9	>99.9%	33,000	130	99.6%
PFO3OA	10,000	4	>99.9%	8,600	<2.0	100.0%	9,800	<2.0	100.0%	8,400	35	99.6%
PFO4DA	1,700	<2.0	100.0%	1,600	<2.0	100.0%	1,900	<2.0	100.0%	1,600	7.1	99.6%
PFO5DA	170	<2.0	100.0%	<390	<2.0	100.0%	<390	<2.0	100.0%	170	<2.0	100.0%
PMPA	28,000	38	99.9%	23,000	13	99.9%	27,000	14	>99.9%	24,000	110	99.5%
PEPA	13,000	<20	100.0%	9,400	<20	100.0%	13,000	<20	100.0%	10,000	47	99.5%
PS Acid	510	<2.0	100.0%	420	<2.0	100.0%	330	<2.0	100.0%	460	3.5	99.2%
Hydro-PS Acid	710	<2.0	100.0%	690	<2.0	100.0%	680	<2.0	100.0%	660	3	99.5%
R-PSDA	3,200 J	<2.0	100.0%	2,900 J	<2.0	100.0%	2,900 J	<2.0	100.0%	2,500 J	12 J	99.5%
Hydrolyzed PSDA	27,000 J	8.4 J	>99.9%	22,000 J	<2.0	100.0%	23,000 J	<2.0	100.0%	23,000 J	92 J	99.6%
R-PSDCA	42	<2.0	100.0%	<87	<2.0	100.0%	<87	<2.0	100.0%	31	<2.0	100.0%
NVHOS, Acid Form	2,200	<2.0	100.0%	1,900	<2.0	100.0%	2,100	<2.0	100.0%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,900	8.3	99.6%
EVE Acid	420	<2.0	100.0%	350	<2.0	100.0%	210	<2.0	100.0%	320	2.5	99.2%
Hydro-EVE Acid	1,300	<2.0	100.0%	1,300	<2.0	100.0%	1,200	<2.0	100.0%	1,200	5.9	99.5%
R-EVE	1,900 J	<2.0	100.0%	1,600 J	<2.0	100.0%	1,600 J	<2.0	100.0%	1,800 J	8.4 J	99.5%
PES	<6.7	<2.0	100.0%	<34	<2.0	100.0%	<34	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27	<2.0	100.0%	<130	<2.0	100.0%	<130	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48	<2.0	100.0%	<240	<2.0	100.0%	<240	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds)^{1,2}	230,000	130	99.9%	230,000	61	>99.9%	220,000	51	>99.9%	210,000	870	99.6%
Total Table 3+ (20 compounds)¹	270,000	140	>99.9%	260,000	61	>99.9%	250,000	51	>99.9%	230,000	980	99.6%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

NA - Constituent not analyzed

ng/L - nanograms per liter

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-B-INFLUENT- 330-042922	SEEP-B-EFFLUENT- 330-042922	Percent Removal
	Sample Date: 29-Apr-22	Sample Date: 29-Apr-22	
<i>Table 3 + SOP (ng/ L)</i>			
Hfpo Dimer Acid	21,000	5.6	>99.9%
PFMOAA	150,000	66	>99.9%
PFO2HxA	39,000	14	>99.9%
PFO3OA	10,000	3.1	>99.9%
PFO4DA	1,600	<2.0	100.0%
PFO5DA	120	<2.0	100.0%
PMPA	22,000	12	>99.9%
PEPA	8,400	<20	100.0%
PS Acid	310	<2.0	100.0%
Hydro-PS Acid	580	<2.0	100.0%
R-PSDA	3,100 J	<2.0	100.0%
Hydrolyzed PSDA	33,000 J	4.6 J	>99.9%
R-PSDCA	28	<2.0	100.0%
NVHOS, Acid Form	NA	NA	NA
NVHOS, Salt Form	2,100	<2.0	100.0%
EVE Acid	260	<2.0	100.0%
Hydro-EVE Acid	1,100	<2.0	100.0%
R-EVE	1,500 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}	260,000	100	>99.9%
Total Table 3+ (20 compounds)¹	290,000	110	>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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-C-INFLUENT- 312-031422	SEEP-C-EFFLUENT- 312-031422	Percent Removal	SEEP-C-INFLUENT- 24-032622	SEEP-C-EFFLUENT- 24-032622	Percent Removal	SEEP-C-INFLUENT- 24-032922	SEEP-C-EFFLUENT- 24-032922	Percent Removal	SEEP-C-INFLUENT- 336-041522	SEEP-C-EFFLUENT- 282-041522	Percent Removal
	Sample Date: 14-Mar-22	Sample Date: 14-Mar-22		Sample Date: 26-Mar-22	Sample Date: 26-Mar-22		Sample Date: 29-Mar-22	Sample Date: 29-Mar-22		Sample Date: 15-Apr-22	Sample Date: 15-Apr-22	
<i>Table 3 + SOP (ng/ L)</i>												
Hfpo Dimer Acid	15,000	6.5	>99.9%	14,000	14	99.9%	18,000	8	>99.9%	16,000	150	99.1%
PFMOAA	36,000	53	99.9%	44,000	110	99.8%	47,000	74	99.8%	37,000	390	98.9%
PFO2HxA	18,000	11	99.9%	18,000	28	99.8%	23,000	12	>99.9%	16,000	160	99.0%
PFO3OA	5,400	3	99.9%	5,500	6.1	99.9%	7,800	3	>99.9%	5,100	53	99.0%
PFO4DA	1,900	<2.0	100.0%	2,100	<2.0	100.0%	2,700	<2.0	100.0%	2,100	21	99.0%
PFO5DA	<78	<2.0	100.0%	<78	<2.0	100.0%	84	<2.0	100.0%	92	<2.0	100.0%
PMPA	6,500	<10	100.0%	6,700	20	99.7%	8,000	14	99.8%	6,100	69	98.9%
PEPA	2,200	<20	100.0%	2,000	<20	100.0%	2,800	<20	100.0%	2,000	21	99.0%
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	270	<2.0	100.0%	300	<2.0	100.0%	330	<2.0	100.0%	270	2.8	99.0%
R-PSDA	630 J	2.8 J	99.6%	650 J	12 J	98.2%	870 J	<2.0	100.0%	600 J	5.8 J	99.0%
Hydrolyzed PSDA	860 J	2.2 J	99.7%	790 J	2.7 J	99.7%	920 J	<2.0	100.0%	670 J	6.1 J	99.1%
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	580	<2.0	100.0%	540	<2.0	100.0%	670	<2.0	100.0%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	NA	NA	NA	NA	NA	NA	530	4.8	99.1%
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%	1,000	<2.0	100.0%	1,200	<2.0	100.0%	900	8.9	99.0%
R-EVE	800 J	<2.0	100.0%	560 J	<2.0	100.0%	740 J	<2.0	100.0%	600 J	5.3 J	99.1%
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	<2.0	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}	87,000	74	99.9%	94,000	180	99.8%	110,000	110	99.9%	86,000	880	99.0%
Total Table 3+ (20 compounds)¹	89,000	79	99.9%	96,000	190	99.8%	110,000	110	99.9%	88,000	900	99.0%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

NA - Constituent not analyzed

ng/L - nanograms per liter

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-C-INFLUENT- 336-042922	SEEP-C-EFFLUENT- 336-042922	Percent Removal
<i>Table 3 + SOP (ng/ L)</i>	Sample Date: 29-Apr-22	Sample Date: 29-Apr-22	
Hfpo Dimer Acid	15,000	11	99.9%
PFMOAA	47,000	95	99.8%
PFO2HxA	17,000	20	99.9%
PFO3OA	5,500	3.2	99.9%
PFO4DA	2,000	<2.0	100.0%
PFO5DA	<78	<2.0	100.0%
PMPA	6,000	<10	100.0%
PEPA	2,000	<20	100.0%
PS Acid	<20	<2.0	100.0%
Hydro-PS Acid	280	<2.0	100.0%
R-PSDA	610 J	<2.0	100.0%
Hydrolyzed PSDA	800 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%
NVHOS, Acid Form	NA	NA	NA
NVHOS, Salt Form	550	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%
Hydro-EVE Acid	880	<2.0	100.0%
R-EVE	600 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}	96,000	130	99.9%
Total Table 3+ (20 compounds)¹	98,000	130	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 t

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

Bold - Analyte detected above associated reporting limit.

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

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

NA - Constituent not analyzed

ng/L - nanograms per liter

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 Sa

Table 3d
Summary of Performance Monitoring Analytical Results - Seep D
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-D-INFLUENT- 306-031422	SEEP-D-EFFLUENT- 306-031422	Percent Removal	SEEP-D-INFLUENT- 24-032622	SEEP-D-EFFLUENT- 24-032622	Percent Removal	SEEP-D-INFLUENT- 24-032922	SEEP-D-EFFLUENT- 24-032922	Percent Removal	SEEP-D-INFLUENT- 312-041522	SEEP-D-EFFLUENT- 336-041522	Percent Removal
	Sample Date: 14-Mar-22	Sample Date: 14-Mar-22		Sample Date: 26-Mar-22	Sample Date: 26-Mar-22		Sample Date: 29-Mar-22	Sample Date: 29-Mar-22		Sample Date: 15-Apr-22	Sample Date: 15-Apr-22	
<i>Table 3 + SOP (ng/ L)</i>												
Hfpo Dimer Acid	15,000	3.4	>99.9%	12,000	4	>99.9%	13,000	2	>99.9%	15,000	2.1	>99.9%
PFMOAA	33,000	12	>99.9%	44,000	25	99.9%	44,000	25	99.9%	46,000	28	99.9%
PFO2HxA	14,000	7.8	99.9%	15,000	7.7	>99.9%	20,000	4	>99.9%	18,000	4.2	>99.9%
PFO3OA	4,400	2	>99.9%	4,900	<2.0	100.0%	6,200	<2.0	100.0%	5,900	<2.0	100.0%
PFO4DA	1,300	<2.0	100.0%	1,500	<2.0	100.0%	2,000	<2.0	100.0%	2,100	<2.0	100.0%
PFO5DA	<78	<2.0	100.0%	81	<2.0	100.0%	120	<2.0	100.0%	120	<2.0	100.0%
PMPA	4,300	<10	100.0%	5,000	<10	100.0%	6,000	<10	100.0%	5,700	<10	100.0%
PEPA	1,400	<20	100.0%	1,600	<20	100.0%	2,200	<20	100.0%	1,900	<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	170	<2.0	100.0%	230	<2.0	100.0%	240	<2.0	100.0%	250	<2.0	100.0%
R-PSDA	540 J	<2.0	100.0%	580 J	<2.0	100.0%	750 J	<2.0	100.0%	730 J	<2.0	100.0%
Hydrolyzed PSDA	1,100 J	<2.0	100.0%	1,400 J	<2.0	100.0%	1,600 J	<2.0	100.0%	1,400 J	<2.0	100.0%
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	470	<2.0	100.0%	530	<2.0	100.0%	600	<2.0	100.0%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	NA	NA	NA	NA	NA	NA	610	<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	640	<2.0	100.0%	850	<2.0	100.0%	910	<2.0	100.0%	950	<2.0	100.0%
R-EVE	660 J	<2.0	100.0%	560 J	<2.0	100.0%	710 J	<2.0	100.0%	700 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}	75,000	25	>99.9%	86,000	37	>99.9%	95,000	32	>99.9%	97,000	34	>99.9%
Total Table 3+ (20 compounds)¹	77,000	25	>99.9%	88,000	37	>99.9%	98,000	32	>99.9%	99,000	34	>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.

NA - Constituent not analyzed

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 3d
Summary of Performance Monitoring Analytical Results - Seep D
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

	SEEP-D-INFLUENT- 336-042922	SEEP-D-EFFLUENT- 336-042922	Percent Removal
<i>Table 3 + SOP (ng/ L)</i>	Sample Date: 29-Apr-22	Sample Date: 29-Apr-22	
Hfpo Dimer Acid	14,000	<2.0	100.0%
PFMOAA	59,000	14	>99.9%
PFO2HxA	19,000	2.1	>99.9%
PFO3OA	6,300	<2.0	100.0%
PFO4DA	2,100	<2.0	100.0%
PFO5DA	110	<2.0	100.0%
PMPA	5,700	<10	100.0%
PEPA	1,900	<20	100.0%
PS Acid	<20	<2.0	100.0%
Hydro-PS Acid	260	<2.0	100.0%
R-PSDA	420 J	<2.0	100.0%
Hydrolyzed PSDA	1,300 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%
NVHOS, Acid Form	NA	NA	NA
NVHOS, Salt Form	640	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%
Hydro-EVE Acid	980	<2.0	100.0%
R-EVE	480 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}	110,000	16	>99.9%
Total Table 3+ (20 compounds)¹	110,000	16	>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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-A-Influent-Rain- 24-031322	Seep-A-Effluent-Rain- 24-031322	Percent Removal	Seep-A-Influent-Rain- 24-041922	Seep-A-Effluent-Rain- 24-041922	Percent Removal
	Sample Date: 13-Mar-22	Sample Date: 13-Mar-22		Sample Date: 19-Apr-22	Sample Date: 19-Apr-22	
Hfpo Dimer Acid	19,000	29	99.8%	24,000	<2.0	100.0%
PFMOAA	47,000	63	99.9%	60,000	9.3 B	>99.9%
PFO2HxA	24,000	36	99.9%	29,000	2.7 B	>99.9%
PFO3OA	9,300	13	99.9%	11,000	<2.0	100.0%
PFO4DA	5,800	7	99.9%	6,800	<2.0	100.0%
PFO5DA	3,000	3	99.9%	3,500	<2.0	100.0%
PMPA	11,000	20	99.8%	12,000	<10	100.0%
PEPA	4,000	<20	100.0%	4,100	<20	100.0%
PS Acid	1,500	3	99.8%	2,000	<2.0	100.0%
Hydro-PS Acid	950	<2.0	100.0%	1,100	<2.0	100.0%
R-PSDA	1,800 J	9.3 J	99.5%	1,900 J	<2.0	100.0%
Hydrolyzed PSDA	17,000 J	27 J	99.8%	20,000 J	<2.0	100.0%
R-PSDCA	32	<2.0	100.0%	37	<2.0	100.0%
NVHOS, Acid Form	780	<2.0	100.0%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	960	<2.0	100.0%
EVE Acid	280	<2.0	100.0%	220	<2.0	100.0%
Hydro-EVE Acid	1,100	<2.0	100.0%	1,200	<2.0	100.0%
R-EVE	730 J	<2.0	100.0%	880 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)^{1,2,1}	130,000	170	99.9%	160,000	12	>99.9%
Total Table 3+ (20 Compounds)^{1,1}	150,000	210	99.9%	180,000	12	>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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

Table 3+ SOP (ng/L)	Seep-B-Influent-Rain- 24-031322	Seep-B-Effluent-Rain- 24-031322	Percent Removal	Seep-B-Influent-Rain- 24-040622	Seep-B-Effluent-Rain- 24-040622	Percent Removal	Seep-B-Influent-Rain- 24-041922	Seep-B-Effluent-Rain- 12-041922	Percent Removal
	Sample Date: 13-Mar-22	Sample Date: 13-Mar-22		Sample Date: 06-Apr-22	Sample Date: 06-Apr-22		Sample Date: 19-Apr-22	Sample Date: 19-Apr-22	
Hfpo Dimer Acid	30,000	12	>99.9%	26,000	<2.0	100.0%	27,000	3.9 B	>99.9%
PFMOAA	97,000	71	99.9%	80,000	25	>99.9%	83,000	41 B	>99.9%
PFO2HxA	28,000	19	99.9%	28,000	2.6	>99.9%	28,000	6.5 B	>99.9%
PFO3OA	8,000	3	>99.9%	8,500	<2.0	100.0%	7,400	<2.0	100.0%
PFO4DA	1,800	<2.0	100.0%	1,600	<2.0	100.0%	1,600	<2.0	100.0%
PFO5DA	<390	<2.0	100.0%	<390 UJ	<2.0	100.0%	210	<2.0	100.0%
PMPA	30,000	33	99.9%	26,000	12	>99.9%	25,000	<10	100.0%
PEPA	15,000	<20	100.0%	15,000	<20	100.0%	11,000	<20	100.0%
PS Acid	1,600	<2.0	100.0%	1,100	<2.0	100.0%	1,300	<2.0	100.0%
Hydro-PS Acid	1,000	<2.0	100.0%	900	<2.0	100.0%	740	<2.0	100.0%
R-PSDA	3,800 J	<2.0	100.0%	3,400	<2.0	100.0%	2,900 J	<2.0	100.0%
Hydrolyzed PSDA	21,000 J	8.1 J	>99.9%	23,000	<2.0	100.0%	23,000 J	<2.0	100.0%
R-PSDCA	<87	<2.0	100.0%	<87	<2.0	100.0%	40	<2.0	100.0%
NVHOS, Acid Form	2200	<2.0	100.0%	NA	NA	NA	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	1,900	<2.0	100.0%	1,900	<2.0	100.0%
EVE Acid	1400	<2.0	100.0%	920	<2.0	100.0%	920	<2.0	100.0%
Hydro-EVE Acid	1,900	<2.0	100.0%	1,700	<2.0	100.0%	1,500	<2.0	100.0%
R-EVE	1,900 J	<2.0	100.0%	2,200	<2.0	100.0%	2,000 J	<2.0	100.0%
PES	<34	<2.0	100.0%	<34	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<130	<2.0	100.0%	<130	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<240	<2.0	100.0%	<240	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds)^[1,2]	220,000	140	99.9%	190,000	40	>99.9%	190,000	51	>99.9%
Total Table 3+ (20 Compounds)^[1]	240,000	150	99.9%	220,000	40	>99.9%	220,000	51	>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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-C-Influent-Rain- 24-031322	Seep-C-Effluent-Rain- 24-031322	Percent Removal	Seep-C-Influent-Rain- 24-040622	Seep-C-Effluent-Rain- 24-040622	Percent Removal	Seep-C-Influent-Rain- 24-041922	Seep-C-Effluent-Rain- 24-041922	Percent Removal
	Sample Date: 13-Mar-22	Sample Date: 13-Mar-22		Sample Date: 06-Apr-22	Sample Date: 06-Apr-22		Sample Date: 19-Apr-22	Sample Date: 19-Apr-22	
Hfpo Dimer Acid	8,600	2.5	>99.9%	13,000	2.5	>99.9%	16,000	10 B	99.9%
PFMOAA	23,000	17	99.9%	33,000	25	99.9%	38,000	62 B	99.8%
PFO2HxA	10,000	4.3	>99.9%	15,000	4.4	>99.9%	16,000	14 B	99.9%
PFO3OA	3,300	<2.0	100.0%	5,100	<2.0	100.0%	5,400	2.0 B	>99.9%
PFO4DA	1,400	<2.0	100.0%	1,800	<2.0	100.0%	2,200	<2.0	100.0%
PFO5DA	93	<2.0	100.0%	83	<2.0	100.0%	90	<2.0	100.0%
PMPA	3,800	<10	100.0%	5,800	<10	100.0%	5,900	<10	100.0%
PEPA	1,300	<20	100.0%	2,000	<20	100.0%	1,900	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	210	<2.0	100.0%	250	<2.0	100.0%	260	<2.0	100.0%
R-PSDA	500 J	<2.0	100.0%	640	<2.0	100.0%	560 J	<2.0	100.0%
Hydrolyzed PSDA	500 J	<2.0	100.0%	690	<2.0	100.0%	660 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	340	<2.0	100.0%	NA	NA	NA	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	490	<2.0	100.0%	520	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	580	<2.0	100.0%	790	<2.0	100.0%	860	<2.0	100.0%
R-EVE	370 J	<2.0	100.0%	540	<2.0	100.0%	600 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	<2.0	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%
Total Table 3+ (17 Compounds) ^{1,2,1}	53,000	24	>99.9%	77,000	32	>99.9%	87,000	88	99.9%
Total Table 3+ (20 Compounds) ^{1,1}	54,000	24	>99.9%	79,000	32	>99.9%	89,000	88	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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

<i>Table 3+ SOP (ng/L)</i>	Seep-D-Influent-Rain- 24-031322	Seep-D-Effluent-Rain- 24-031322	Percent Removal	Seep-D-Influent-Rain- 24-041922	Seep-D-Effluent-Rain- 24-041922	Percent Removal
	Sample Date: 13-Mar-22	Sample Date: 13-Mar-22		Sample Date: 19-Apr-22	Sample Date: 19-Apr-22	
Hfpo Dimer Acid	13,000	2.6	>99.9%	12,000	<2.0	100.0%
PFMOAA	51,000	12	>99.9%	41,000	17 B	>99.9%
PFO2HxA	18,000	5.6	>99.9%	16,000	3.3 B	>99.9%
PFO3OA	6,000	<2.0	100.0%	5,000	<2.0	100.0%
PFO4DA	2,200	<2.0	100.0%	1,700	<2.0	100.0%
PFO5DA	110	<2.0	100.0%	110	<2.0	100.0%
PMPA	5,700	<10	100.0%	5,300	<10	100.0%
PEPA	1,800	<20	100.0%	1,700	<20	100.0%
PS Acid	<20	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	250	<2.0	100.0%	220	<2.0	100.0%
R-PSDA	710 J	<2.0	100.0%	650 J	<2.0	100.0%
Hydrolyzed PSDA	1,600 J	<2.0	100.0%	1,300 J	<2.0	100.0%
R-PSDCA	<17	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	570	<2.0	100.0%	NA	NA	NA
NVHOS, Salt Form	NA	NA	NA	520	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	1,000	<2.0	100.0%	820	<2.0	100.0%
R-EVE	630 J	<2.0	100.0%	710 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)^{1,2,1}	100,000	20	>99.9%	84,000	20	>99.9%
Total Table 3+ (20 Compounds)^{1,1}	100,000	20	>99.9%	87,000	20	>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.

NA - Constituent not analyzed

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 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, NC

Seep	# of Days of Operation on Record	Percent of Operation			
		River Above FTC Wall Elevation	River Above Bypass Spillway Elevation	River Above GAC Elevation	River Above Discharge Pipe Invert Elevation
C	501	2.9%	3.7%	7.0%	16.4%
A	368	0.7%	0.8%	1.8%	4.3%
B	327	0.7%	0.8%	1.4%	3.5%
D	311	0.8%	0.9%	2.2%	5.2%
Historical Annual Average (2007-2020) ^[2]		1.7%	2.2%	3.7%	9.6%

Precipitation (inches)	
Current Reporting Period (Mar - Apr 2022)	3.32
Current Reporting Period Historical Average (Mar - Apr 2004-2020) ^[3]	5.92
2022 Year-to-Date	8.91
Historical Year-to-Date Average (2004-2020) ^[3]	11.31
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 8 (March - April 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
3/14/2022	10.6	10.1	-0.5	3.9	5.0	1.1	195	131	-64	13	14	1	6.13	2.14	-3.99	0	0	0
3/26/2022	9.9	9.7	-0.2	4.8	6.6	1.8	118	122	4	12	12	0	7.23	4.36	-2.87	0	0	0
3/29/2022	6.0	4.5	-1.5	4.3	4.6	0.3	115	129	14	14	13	-1	1.02	0.00	-1.02	0	0	0
4/15/2022	9.9	7.0	-2.9	4.5	4.5	0.0	122	115	-7	19	19	0	3.13	3.64	0.51	0	0	0
4/29/2022	6.9	7.8	0.9	4.3	4.6	0.3	153	138	-15	15	14	-1	2.28	0.91	-1.37	0	0	0
<i>Average</i>	<i>8.6</i>	<i>7.8</i>	<i>-0.8</i>	<i>4.4</i>	<i>5.1</i>	<i>0.7</i>	<i>140.6</i>	<i>126.9</i>	<i>-13.7</i>	<i>14.6</i>	<i>14.4</i>	<i>-0.2</i>	<i>4.0</i>	<i>2.2</i>	<i>-1.8</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>9.9</i>	<i>7.8</i>	<i>-2.1</i>	<i>4.3</i>	<i>4.6</i>	<i>0.3</i>	<i>122.0</i>	<i>128.6</i>	<i>6.6</i>	<i>13.6</i>	<i>14.0</i>	<i>0.4</i>	<i>3.1</i>	<i>2.1</i>	<i>-1.0</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 8 (March - April 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
3/14/2022	9.2	8.8	-0.4	6.4	6.0	-0.4	160	156	-4	20	18	-2	8.04	6.42	-1.62	0.0	0.0	0.0
3/26/2022	9.7	9.6	-0.1	5.6	6.5	0.9	118	114	-4	14	12	-2	42.20	0.00	-42.20	0.0	0.0	0.0
3/29/2022	2.7	0.5	-2.2	4.9	5.4	0.5	118	110	-8	15	14	-1	0.26	0.00	-0.26	0.0	0.0	0.0
4/15/2022	7.0	6.7	-0.3	7.0	6.8	-0.2	134	102	-32	19	20	1	90.40	1.35	-89.05	NM	NM	--
4/29/2022	7.6	7.8	0.2	8.0	7.8	-0.2	307	133	-174	14	15	1	5.78	9.24	3.46	0.0	0.0	0.0
<i>Average</i>	<i>7.6</i>	<i>7.1</i>	<i>-0.5</i>	<i>6.5</i>	<i>6.6</i>	<i>0.1</i>	<i>134.9</i>	<i>118.9</i>	<i>-16.0</i>	<i>15.8</i>	<i>15.6</i>	<i>-0.2</i>	<i>25.0</i>	<i>2.9</i>	<i>-22.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>8.4</i>	<i>8.3</i>	<i>-0.1</i>	<i>6.7</i>	<i>6.6</i>	<i>-0.1</i>	<i>137.8</i>	<i>110.9</i>	<i>-26.9</i>	<i>14.3</i>	<i>14.5</i>	<i>0.2</i>	<i>6.9</i>	<i>1.0</i>	<i>-5.9</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 6c
Water Quality Data - Seep C
Reporting Period 8 (March - April 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
3/14/2022	8.8	9.1	0.3	6.9	6.5	-0.4	109	109	0	18	19	1	168.83	82.35	-86.48	0	0	0
3/26/2022	5.2	2.3	-2.9	5.9	7.1	1.2	103	109	6	14	14	0	36.76	0.00	-36.76	NM	NM	--
3/29/2022	5.6	2.3	-3.3	5.9	7.1	1.2	103	109	6	14	14	0	36.76	0.00	-36.76	0	0	0
4/15/2022	6.3	6.8	0.5	7.3	7.1	-0.2	109	119	10	21	21	0	83.40	24.10	-59.30	0	0	0
4/29/2022	7.9	7.1	-0.8	7.2	7.5	0.3	100	108	8	15	15	0	19.60	5.01	-14.59	0	0	0
<i>Average</i>	<i>7.2</i>	<i>6.2</i>	<i>-1</i>	<i>6.8</i>	<i>7.1</i>	<i>0.3</i>	<i>108.1</i>	<i>111.2</i>	<i>3.1</i>	<i>16.0</i>	<i>16.1</i>	<i>0.1</i>	<i>60.4</i>	<i>19.1</i>	<i>-41.3</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>7.1</i>	<i>6.9</i>	<i>-0.2</i>	<i>7.1</i>	<i>7.1</i>	<i>0</i>	<i>106.1</i>	<i>109.5</i>	<i>3.4</i>	<i>14.6</i>	<i>14.6</i>	<i>0.0</i>	<i>36.8</i>	<i>4.1</i>	<i>-32.7</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 6d
Water Quality Data - Seep D
Reporting Period 8 (March - April 2022)
 Chemours Fayetteville Works
 Fayetteville, North Carolina

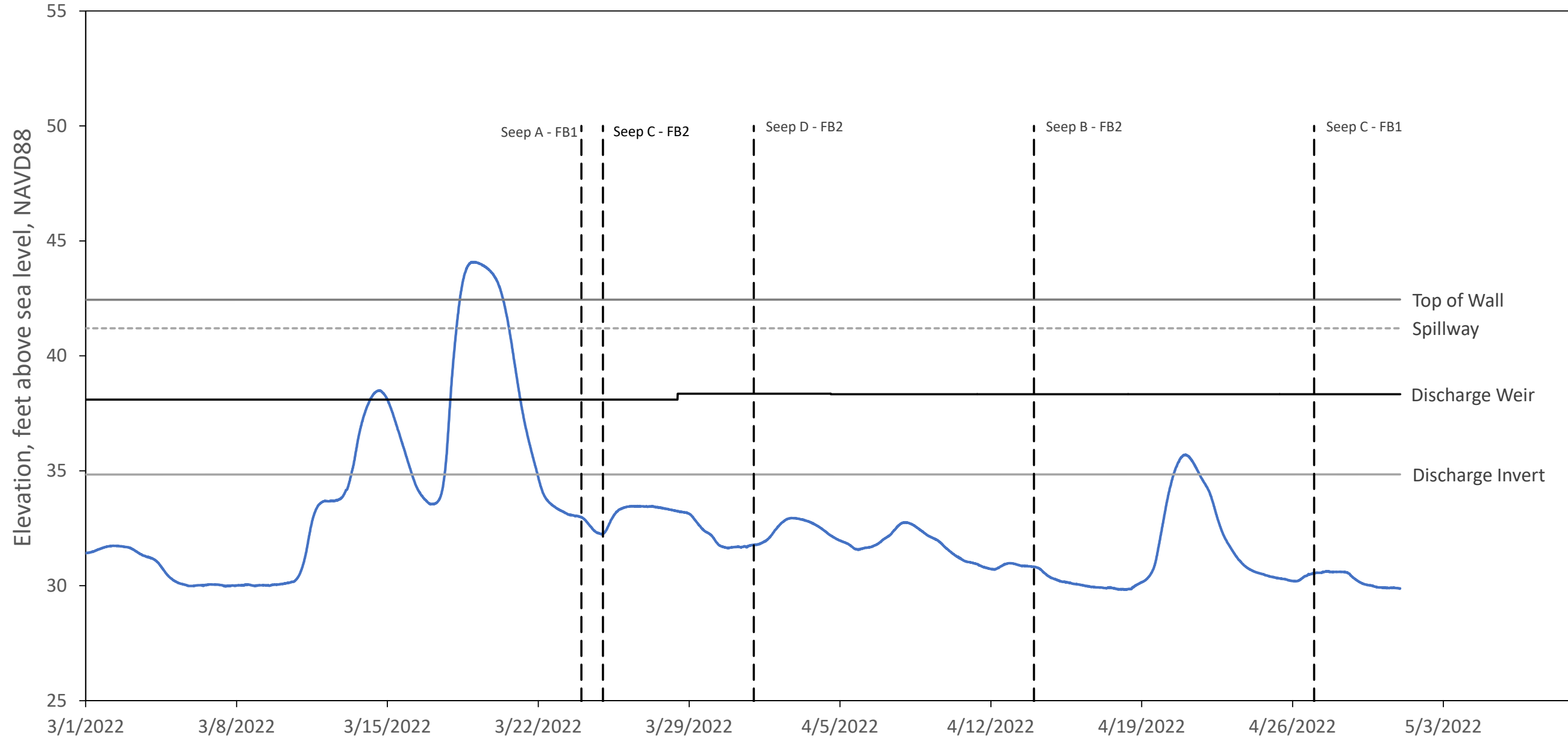
Date	DO (mg/L)			pH (SU)			Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS (mg/L)		
	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference
3/14/2022	10.0	10.5	0.5	6.2	6.3	0.1	166	180	14	16	17	1	10.63	0.00	-10.63	0	0	0.0
3/26/2022	8.4	1.1	-7.3	7.0	5.9	-1.1	339	289	-50	14	14	0	34.71	0.00	-34.71	NM	NM	--
3/29/2022	8.4	1.1	-7.3	7.0	5.9	-1.1	339	289	-50	14	14	0	34.71	0.00	-34.71	0	0	0.0
4/15/2022	NM	7.2	--	NM	6.4	--	NM	122	--	NM	19	--	NM	5.93	--	NM	NM	NM
4/29/2022	7.2	7.7	0.5	5.2	7.3	2.1	132	118	-14	14	14	0	4.53	6.50	1.97	0	0	0.0
<i>Average</i>	<i>8.7</i>	<i>6.1</i>	<i>-2.6</i>	<i>6.5</i>	<i>6.3</i>	<i>-0.2</i>	<i>224.1</i>	<i>192.8</i>	<i>-31.3</i>	<i>14.4</i>	<i>15.3</i>	<i>0.9</i>	<i>17.2</i>	<i>2.6</i>	<i>-14.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
<i>Median</i>	<i>8.4</i>	<i>7.4</i>	<i>-1.0</i>	<i>6.9</i>	<i>6.2</i>	<i>-0.7</i>	<i>165.9</i>	<i>169.7</i>	<i>3.8</i>	<i>14.0</i>	<i>14.0</i>	<i>0.0</i>	<i>10.6</i>	<i>1.6</i>	<i>-9.0</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

FIGURES

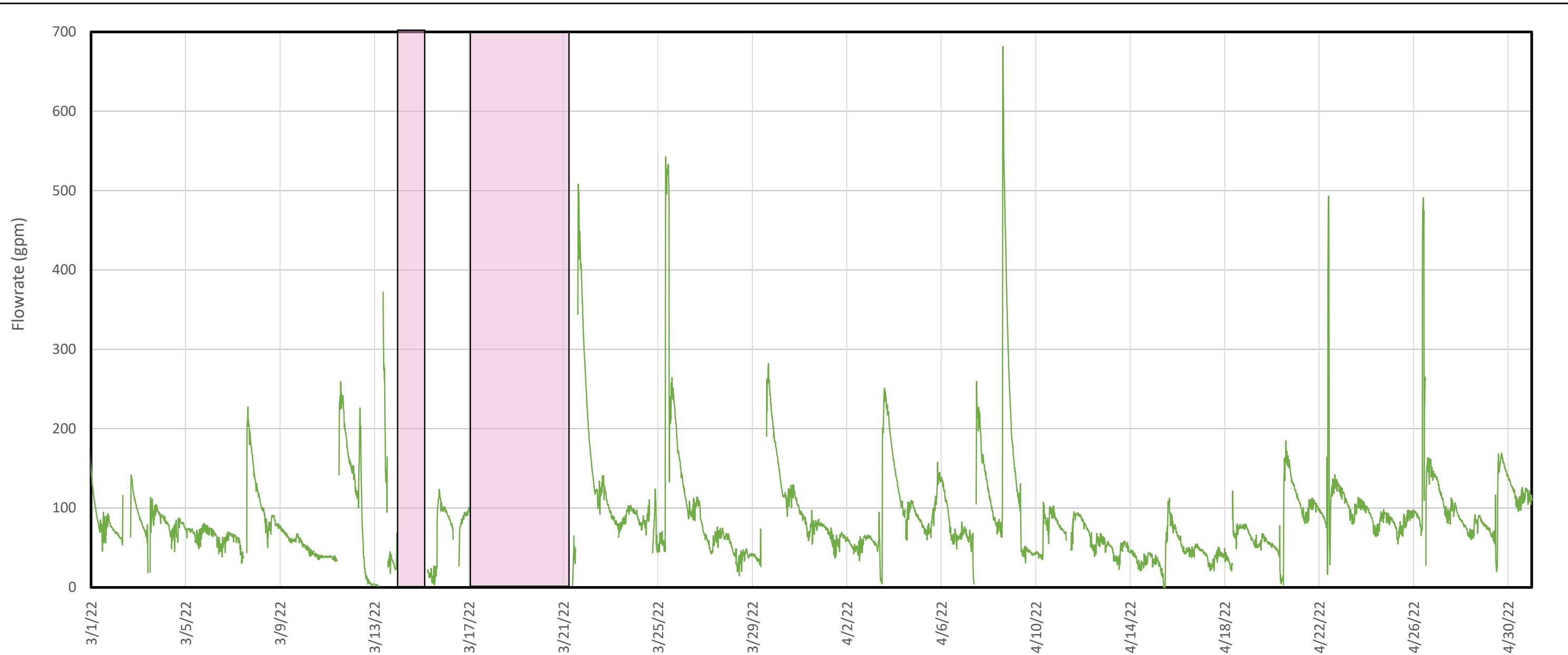
River Elevation During Flow Through Cell Operation (03/01/2022 through 04/30/2022)



Legend
 — River
 - - - GAC Changeout

Notes:
 On March 28, the discharge weir was raised 3 inches to maintain water level in the lag filter bed above the level of the GAC.
 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	Figure
Raleigh, NC	May 2022
1	



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

Flowrate Statistics (gpm)

(03/01 - 04/30) Since Startup

Median	78	95
95 th percentile	199	279
Max	682	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 March 14 through 15, 2022 and March 17 through 21, 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
(Mar - Apr 2022) - Seep A**

Chemours Fayetteville Works
Fayetteville, North Carolina

Geosyntec
consultants

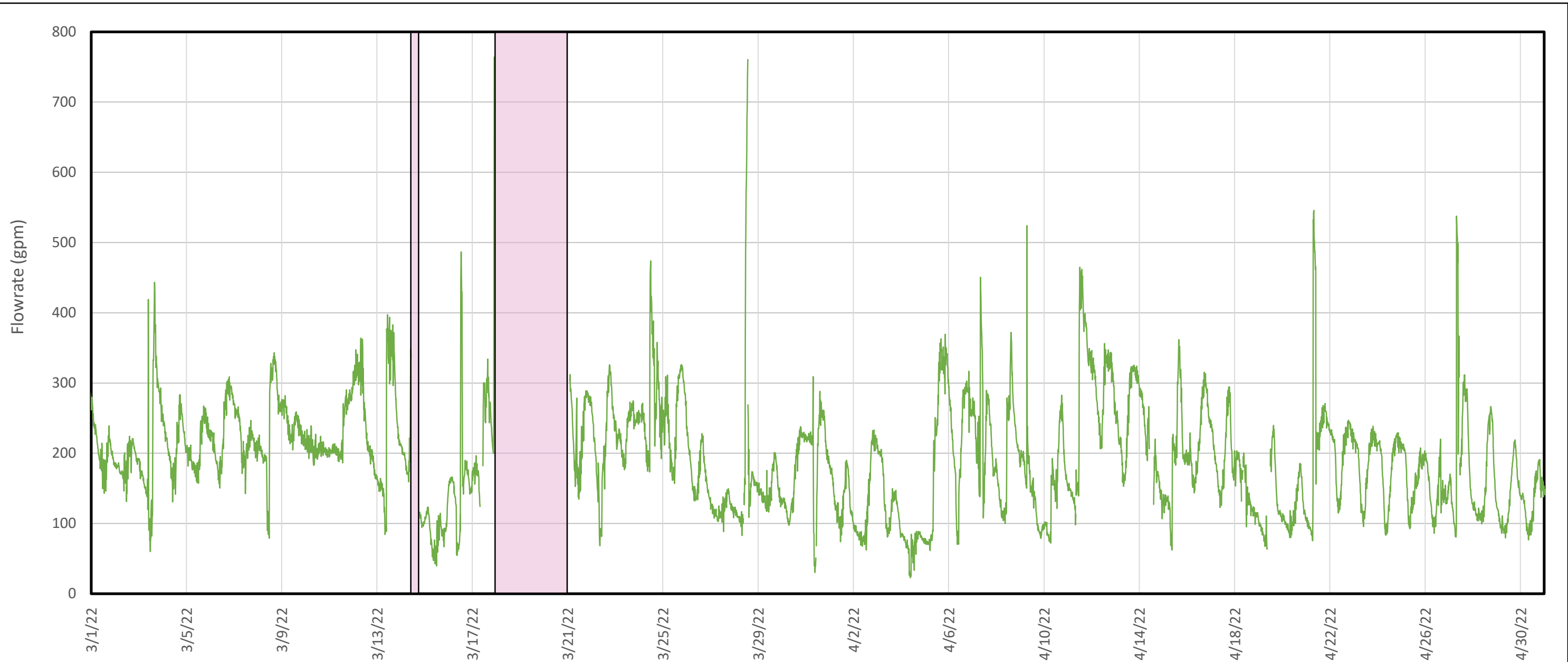
Geosyntec Consultants of NC, P.C.
NC License No.: C 3500 and C 295

Figure

Raleigh, NC

May 2022

2a



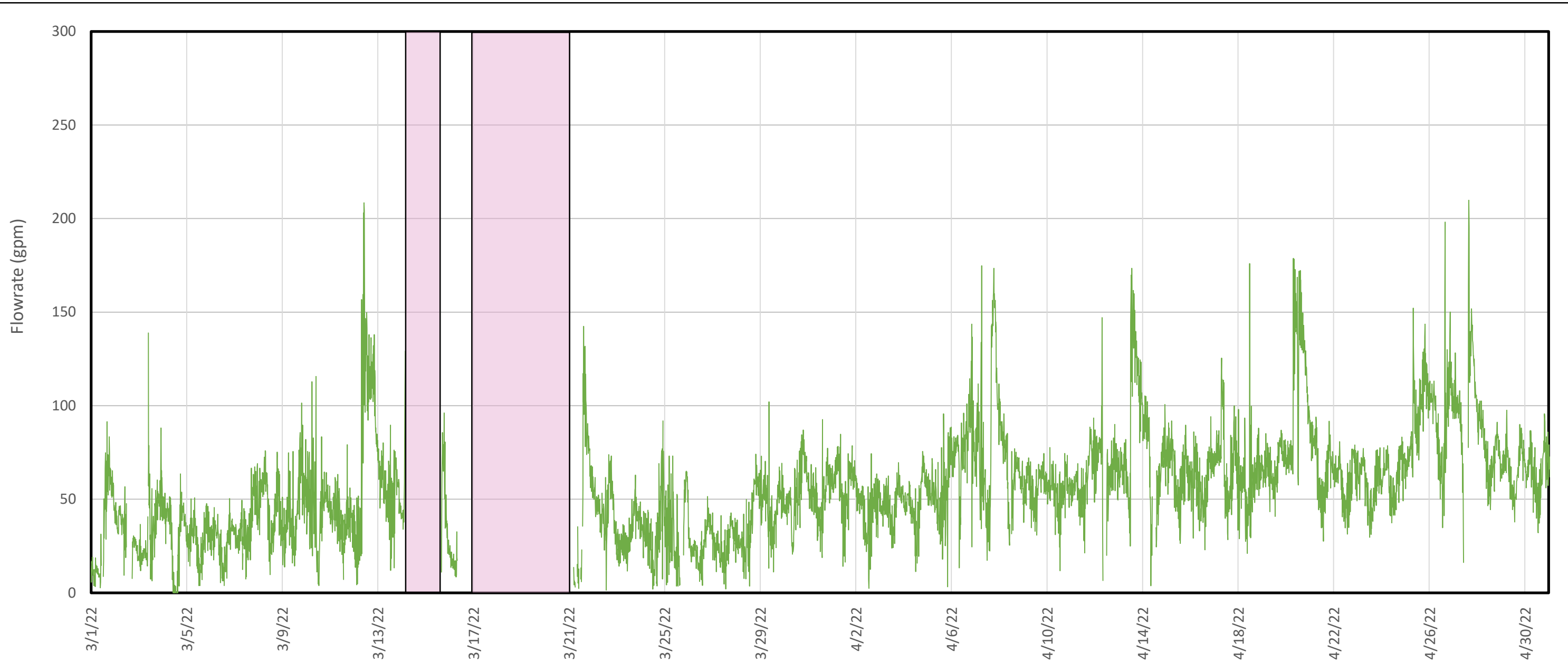
- Legend
- Measured Discharge Flowrate
 - Cape Fear River Above Discharge Weir Elevation

Flowrate Statistics (gpm)

	(03/01 - 04/30)	Since Startup
Median	191	135
95 th percentile	324	284
Max	764	1,153

Notes:
 gpm - gallons per minute
 GAC - granular activated carbon
 Figure 2b depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. On March 14 and March 17 through 20, 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 (Mar - Apr 2022) - Seep B		Figure 2b
Chemours Fayetteville Works Fayetteville, North Carolina		
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh, NC	May 2022	



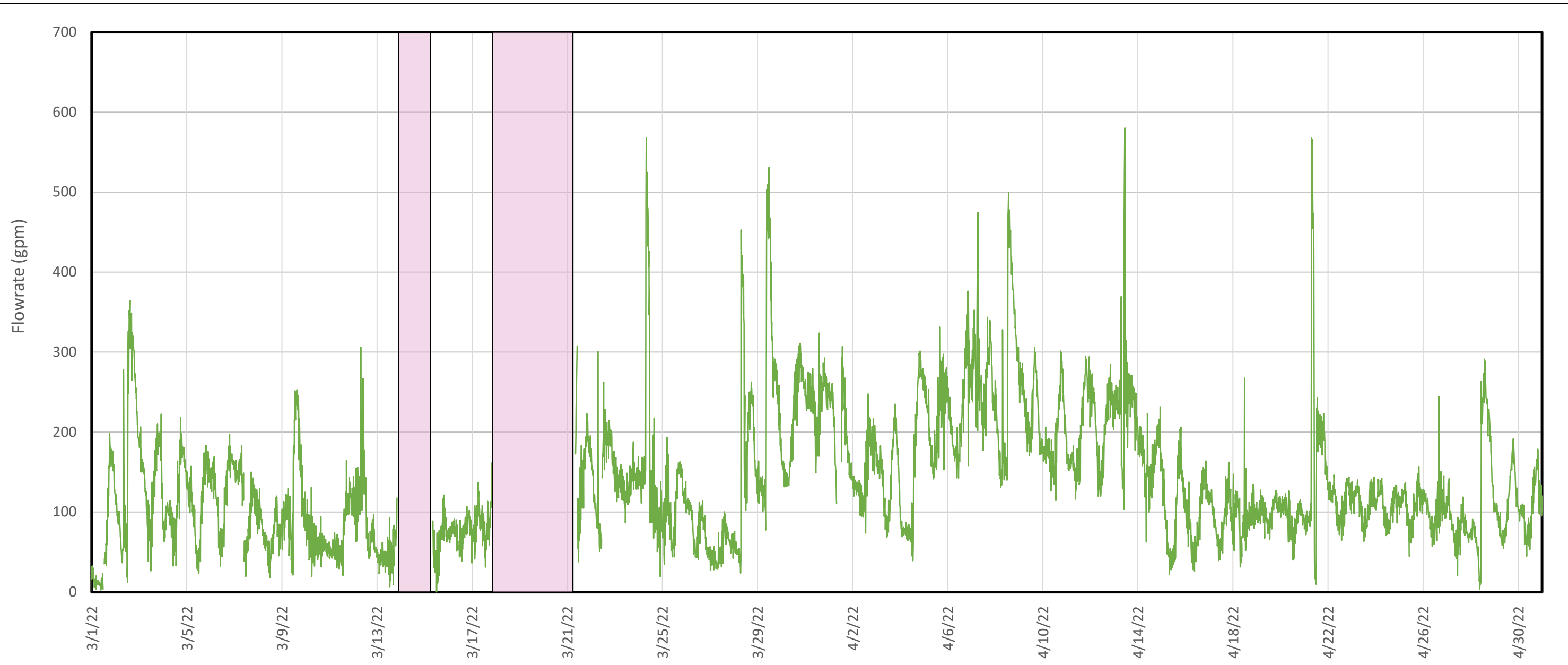
Legend
 — Measured Discharge Flowrate
 ■ Cape Fear River Above Discharge Weir Elevation

Flowrate Statistics (gpm)

	(03/01 - 04/30)	Since Startup
Median	54	59
95 th percentile	109	149
Max	210	372

Notes:
 gpm - gallons per minute
 GAC - granular activated carbon
 Figure 2c depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From March 14 through 15, 2022 and March 17 through 21, 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 (Mar - Apr 2022) - Seep C		Figure 2c
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	May 2022	



Legend
— Measured Discharge Flowrate

Cape Fear River Above Discharge Weir Elevation

Flowrate Statistics (gpm)

	(03/01 - 04/30)	Since Startup
Median	121	108
95 th percentile	281	307
Max	580	836

Notes:

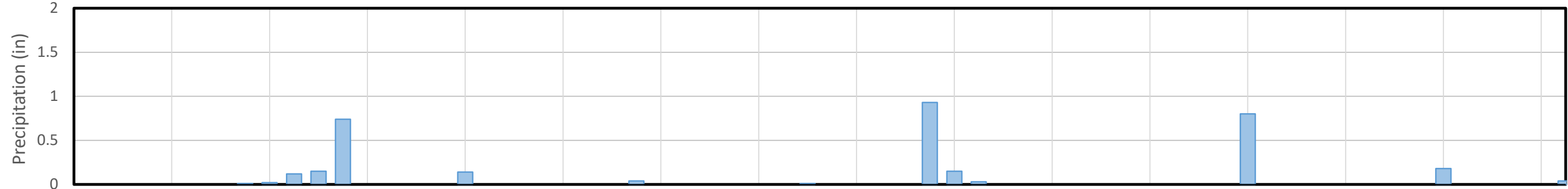
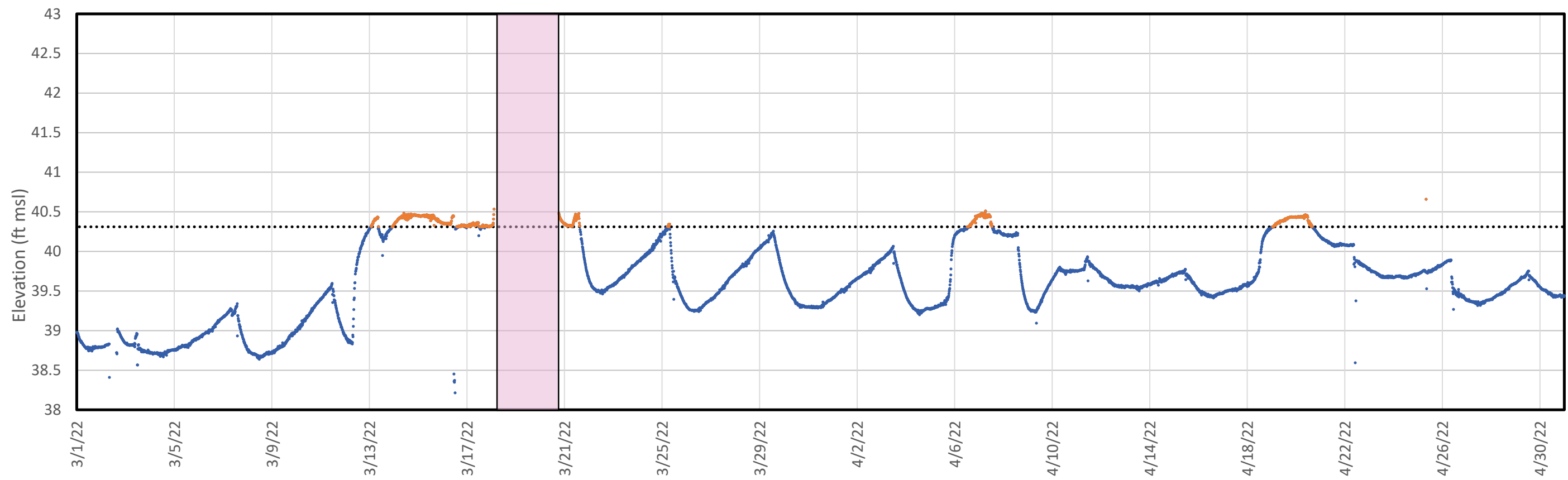
gpm - gallons per minute

GAC - granular activated carbon

Figure 2d depicts the measured discharge flowrate (solid green) of water processed through the filter beds calculated using the Effluent Stilling Basin transducer data. From March 13 through 14, 2022 and March 17 through 21, 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 (Mar - Apr 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	May 2022

Figure
2d

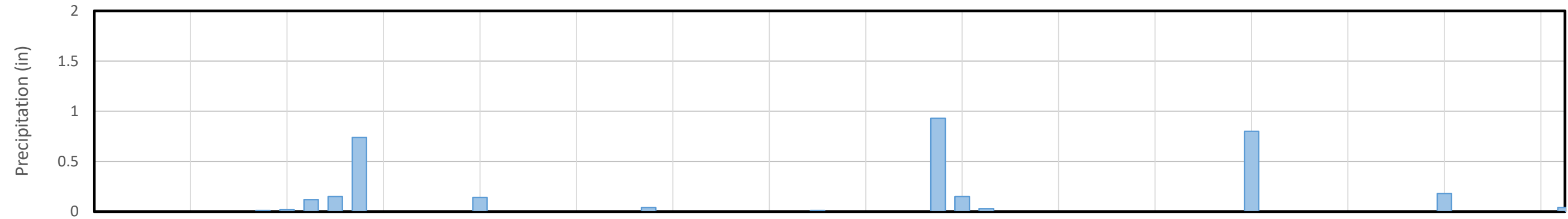
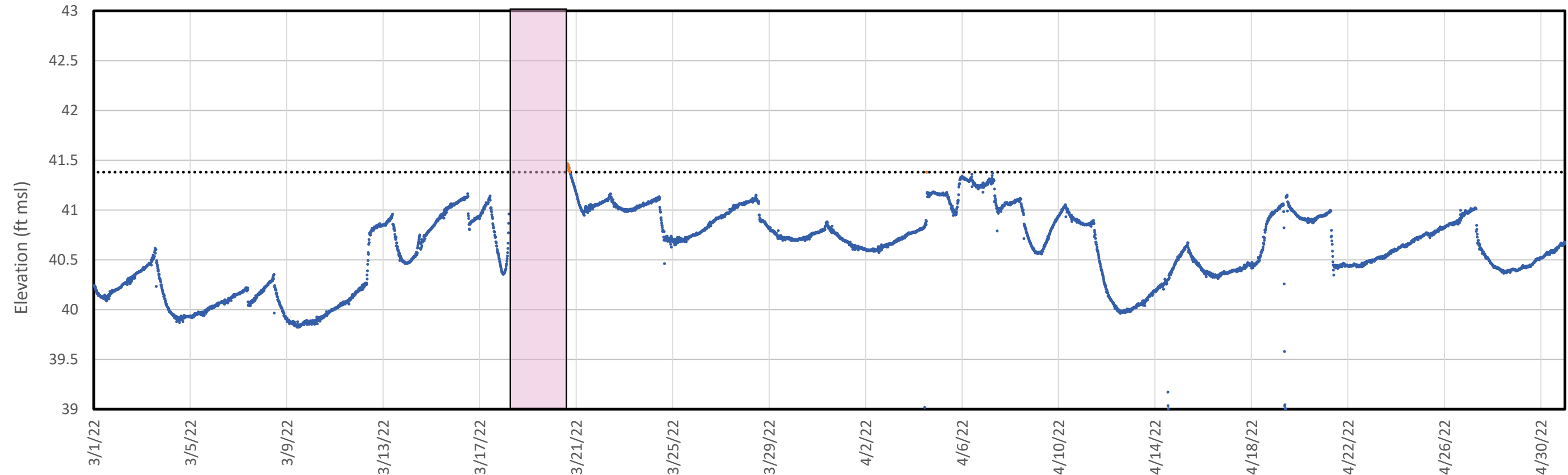


- Legend**
- Inflow Chamber/Impoundment Water Elevation
 - Impoundment Water Elevation Above Bypass Spillway
 - ◆◆◆ Bypass Spillway Elevation
 - █ USGS Precipitation (daily totals)
 - Cape Fear River Above Spillway

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 March 18 through 20, 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. A significant rainfall event occurred on March 16 through 17, 2022, in the Cape Fear River watershed that caused the river to flood at the seeps on March 18th. While the William O. Huske gauge only recorded 0.14 inches of rain, stations upstream recorded much higher levels of precipitation. USGS gauge #02102908 at Flat Creek near Inverness, NC, reported 2.77 inches of rainfall and USGS gauge #02098197 at B. Everett Jordan Lake near Moncure, NC, reported 1.24 inches of rainfall.

Influent Water Elevation and Bypass Flow (Mar - Apr 2022) - Seep A		Figure 3a
Chemours Fayetteville Works Fayetteville, North Carolina		
Raleigh, NC	May 2022	

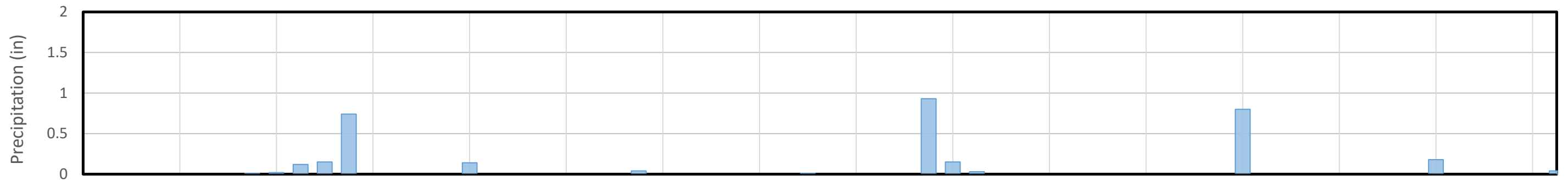
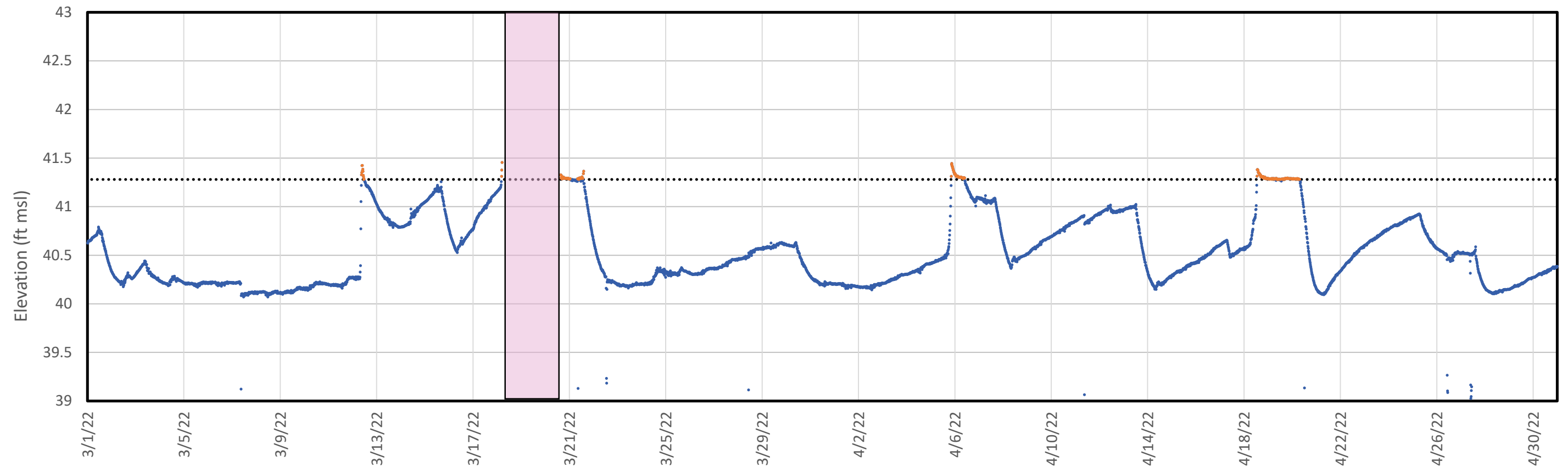
Geosyntec consultants
 Geosyntec Consultants of NC, P.C.
 NC License No.: C 3500 and C 295



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

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.
 From March 18 through 20, 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.
 A significant rainfall event occurred on March 16 through 17, 2022, in the Cape Fear River watershed that caused the river to flood at the seeps on March 18th. While the William O. Huske gauge only recorded 0.14 inches of rain, stations upstream recorded much higher levels of precipitation. USGS gauge #02102908 at Flat Creek near Inverness, NC, reported 2.77 inches of rainfall and USGS gauge #02098197 at B. Everett Jordan Lake near Moncure, NC, reported 1.24 inches of rainfall.

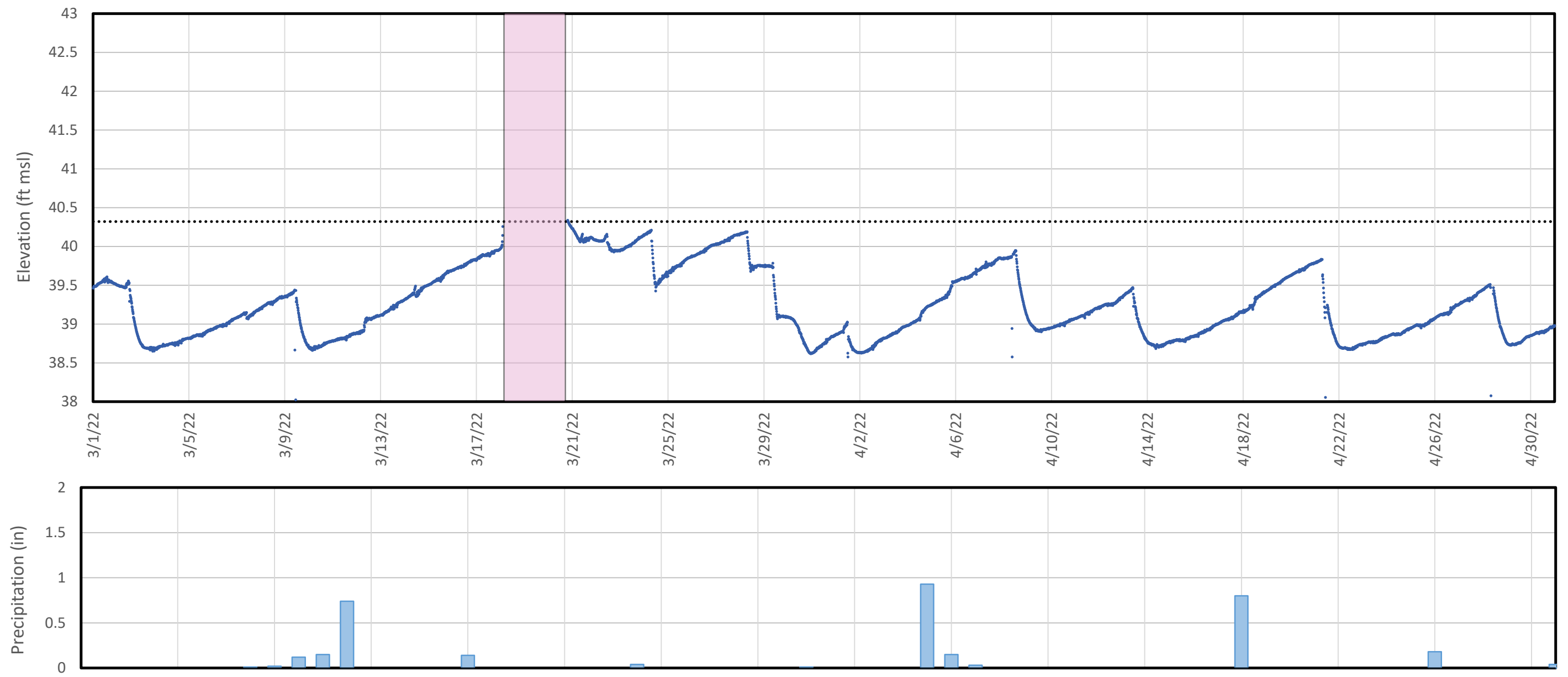
Influent Water Elevation and Bypass Flow (Mar - Apr 2022) - Seep B	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants <small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>	Figure 3b
Raleigh, NC	May 2022



- 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 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. From March 18 through 20, 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. A significant rainfall event occurred on March 16 through 17, 2022, in the Cape Fear River watershed that caused the river to flood at the seeps on March 18th. While the William O. Huske gauge only recorded 0.14 inches of rain, stations upstream recorded much higher levels of precipitation. USGS gauge #02102908 at Flat Creek near Inverness, NC, reported 2.77 inches of rainfall and USGS gauge #02098197 at B. Everett Jordan Lake near Moncure, NC, reported 1.24 inches of rainfall.

Influent Water Elevation and Bypass Flow (Mar - Apr 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>	Figure 3c
Raleigh, NC	May 2022



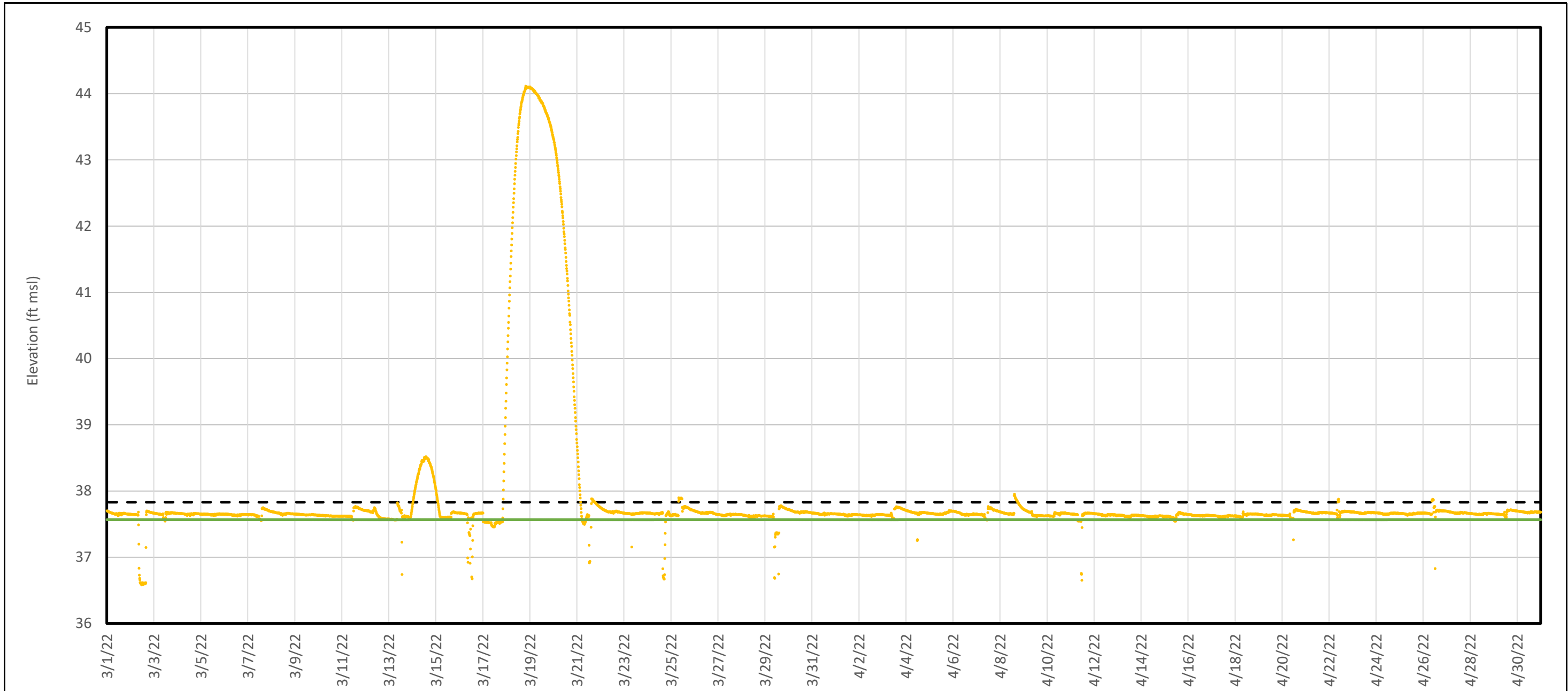
- Legend**
- Influent Chamber/Impoundment Water Elevation
 - Impoundment Water Elevation Above Bypass Spillway
 - ◆◆◆ Bypass Spillway Elevation
 - █ USGS Precipitation (daily totals)
 - █ Cape Fear River Above Spillway

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 March 18 through 20, 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.
 A significant rainfall event occurred on March 16 through 17, 2022, in the Cape Fear River watershed that caused the river to flood at the seeps on March 18th. While the William O. Huske gauge only recorded 0.14 inches of rain, stations upstream recorded much higher levels of precipitation. USGS gauge #02102908 at Flat Creek near Inverness, NC, reported 2.77 inches of rainfall and USGS gauge #02098197 at B. Everett Jordan Lake near Moncure, NC, reported 1.24 inches of rainfall.

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

APPENDIX A

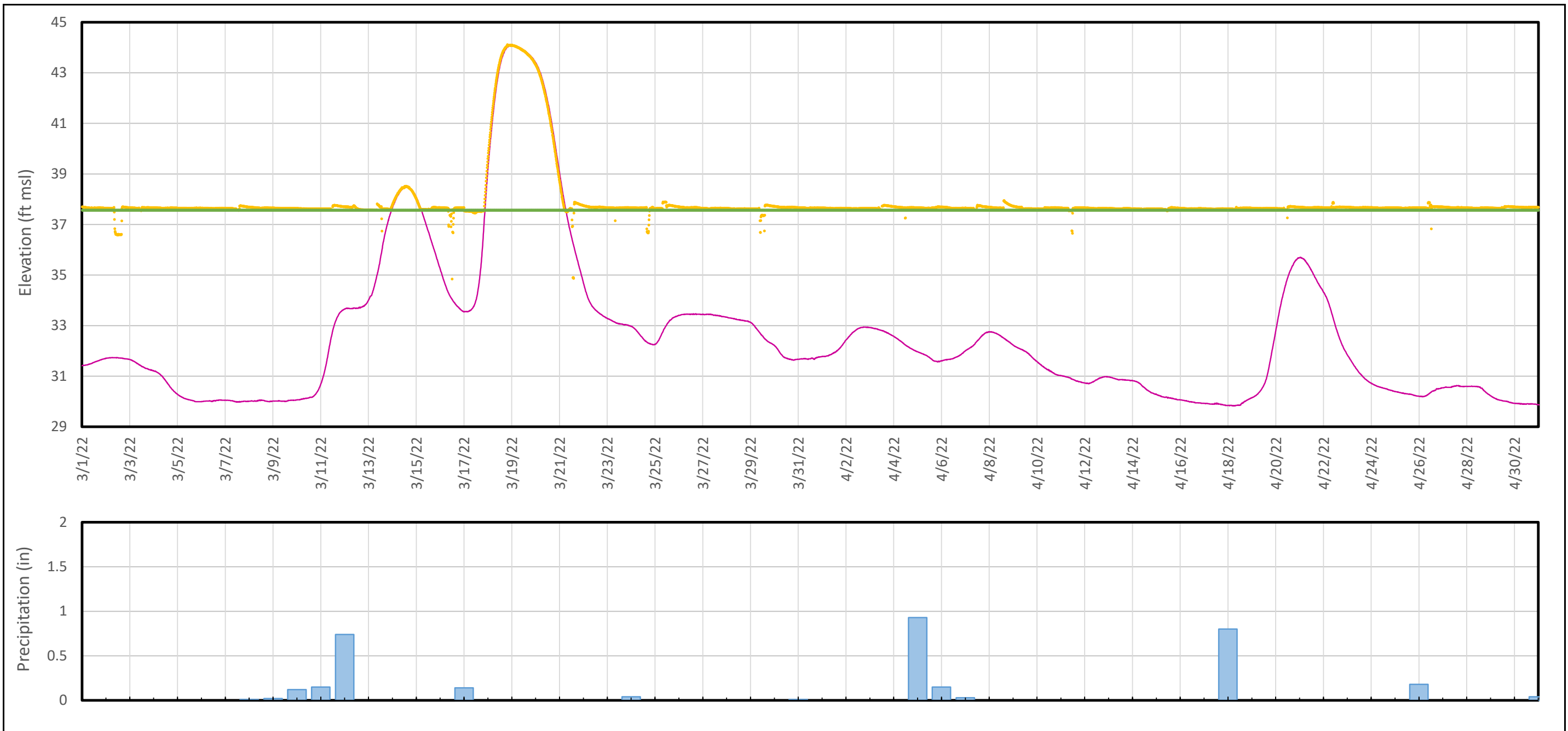
Transducer Data Reduction



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.

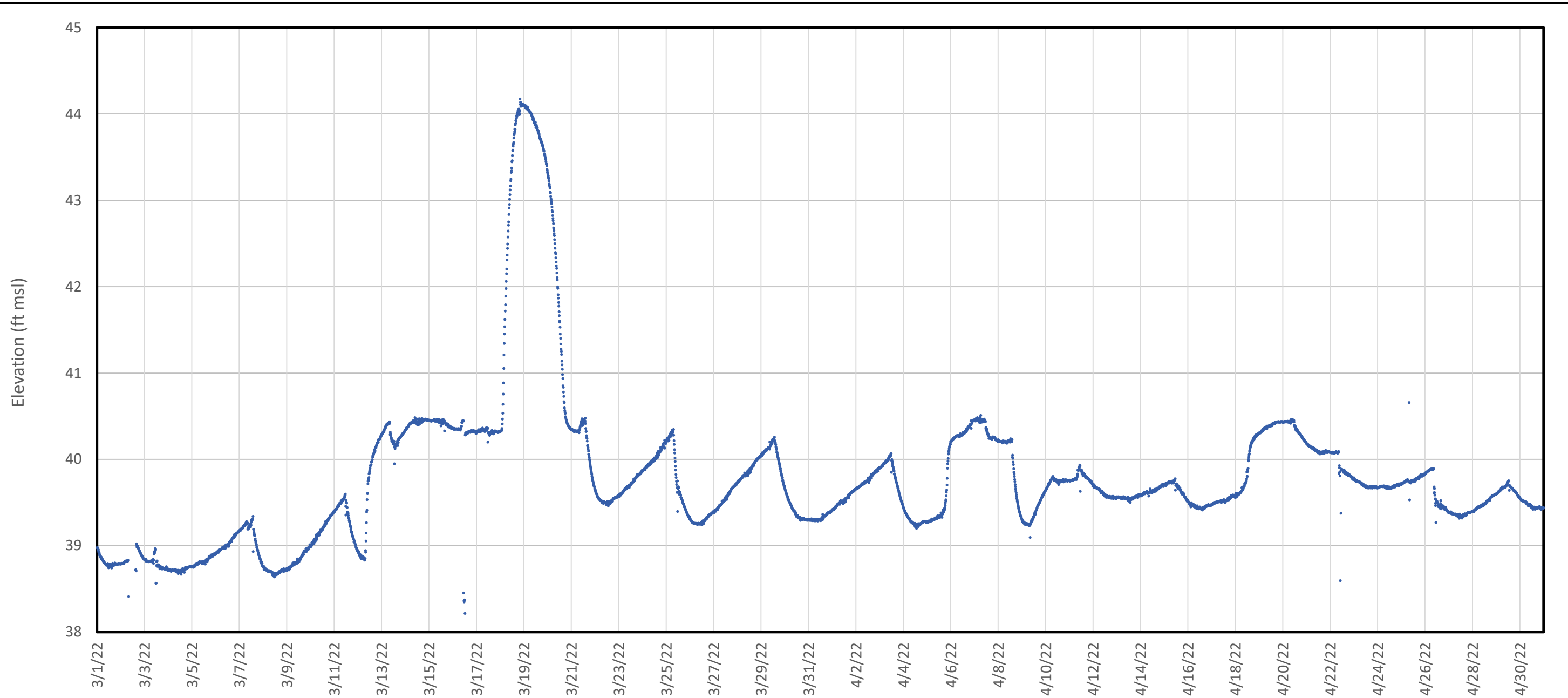
Discharge Basin Water Elevation - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec [®] consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	May 2022
Figure A1-A	



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	May 2022

Figure A2-A



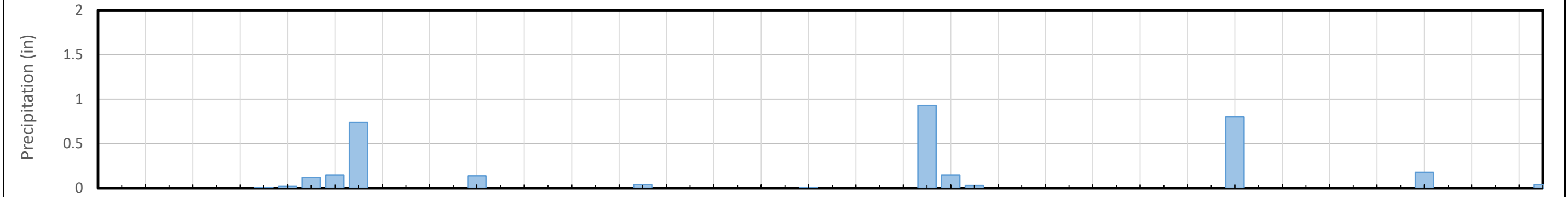
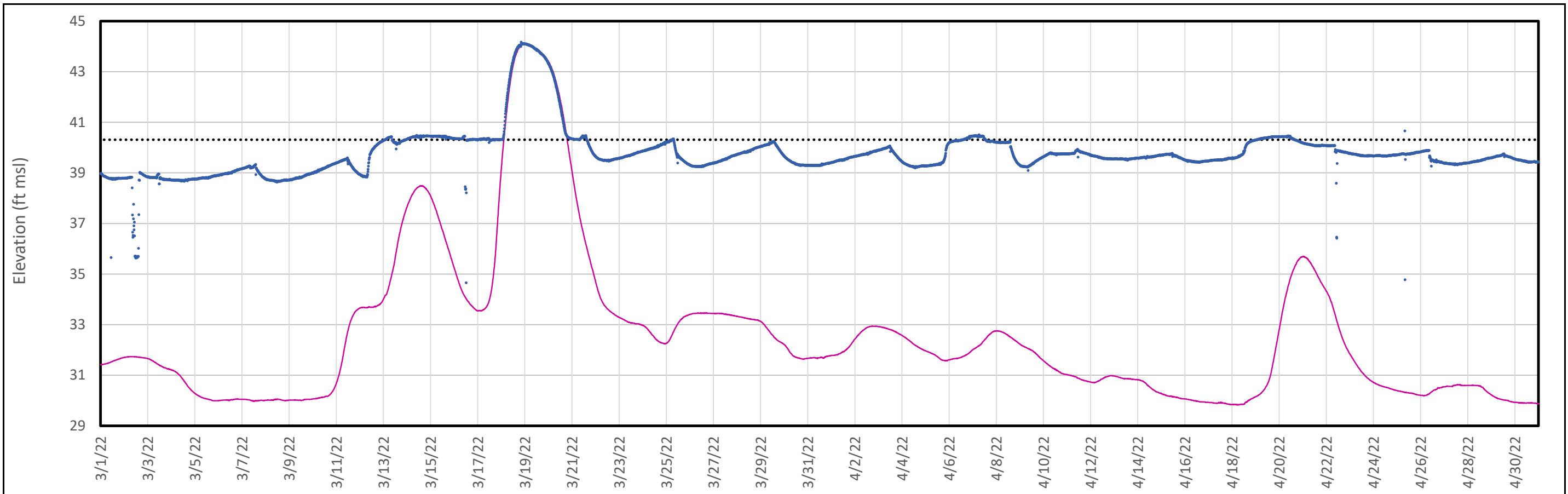
Legend

— Inlet Chamber/Impoundment Elevation

Notes:

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

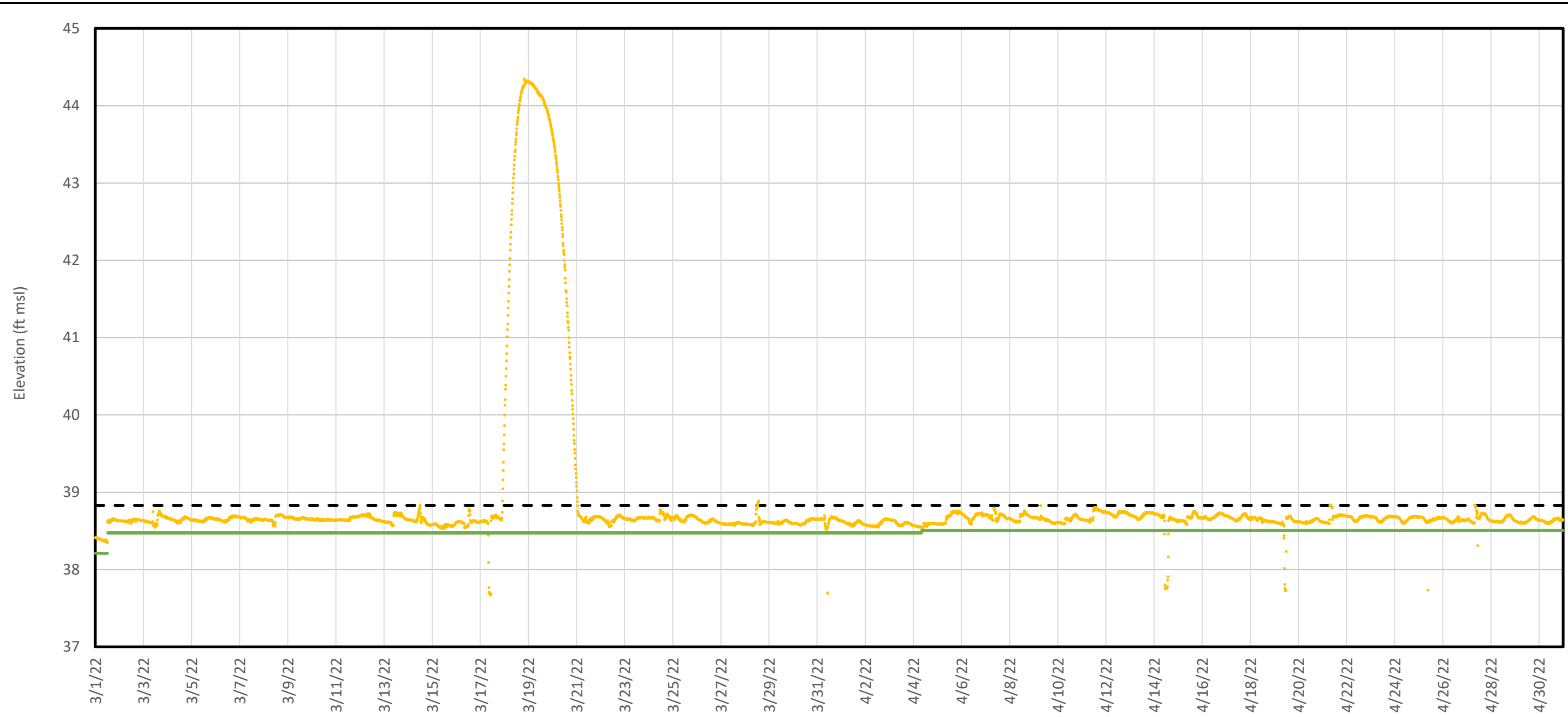
Inlet Chamber Water Elevation - Seep A Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	May 2022
Figure A3-A	



- 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.

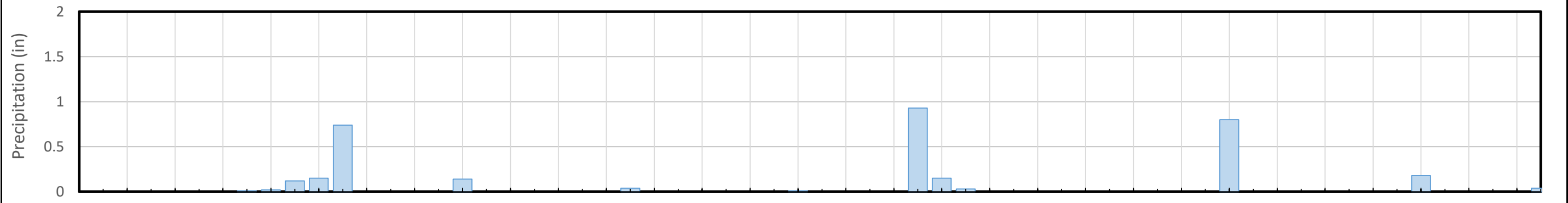
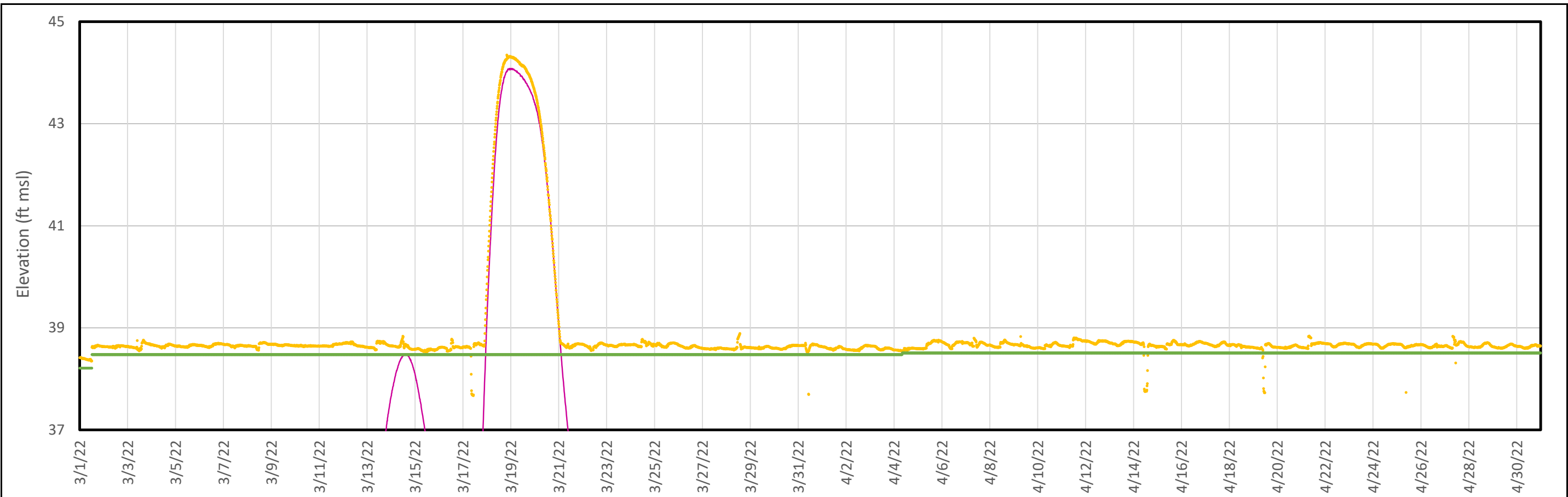
Inlet Chamber Water Elevation and External Forcings - Seep A	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	May 2022
Figure A4-A	



- 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		Figure A1-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	May 2022	

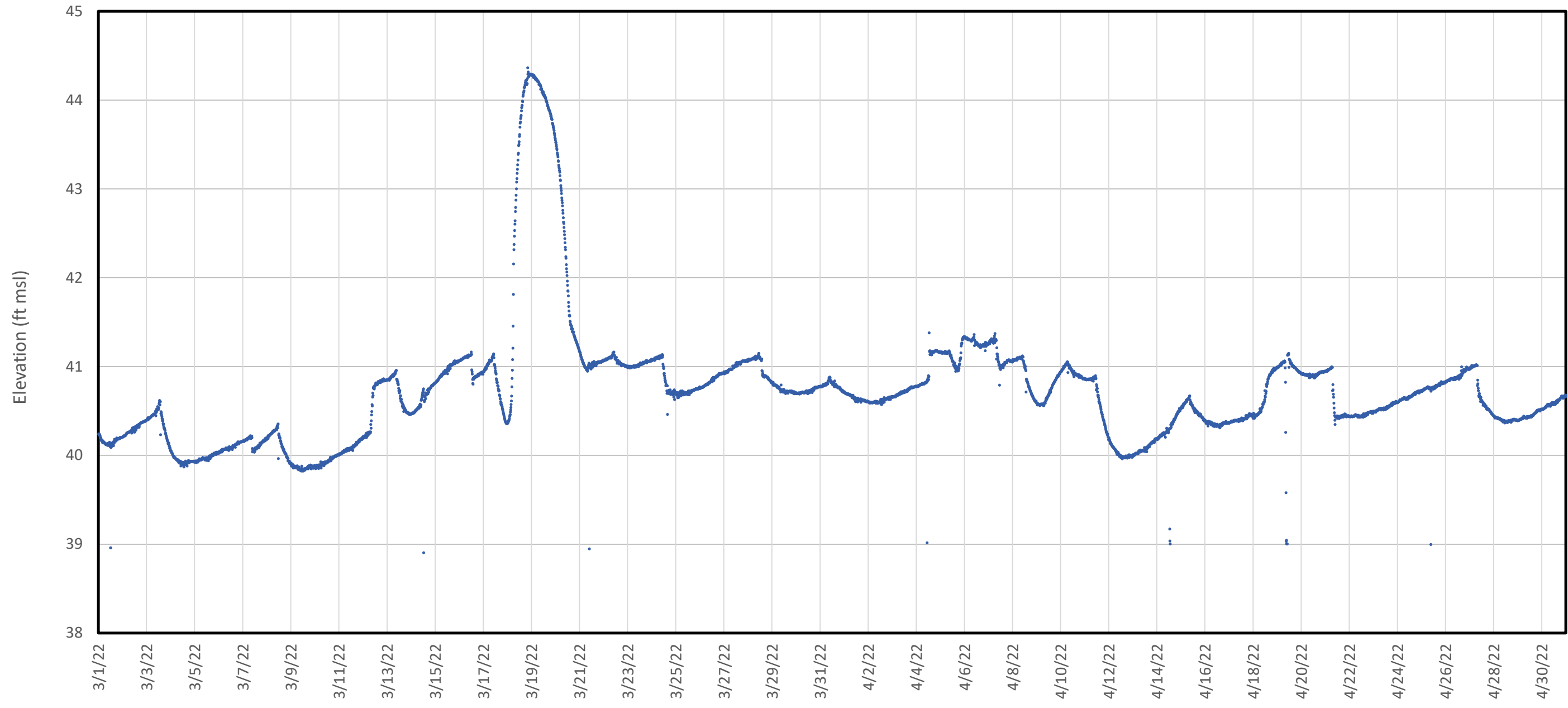


Legend

- 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	May 2022
Figure A2-B	

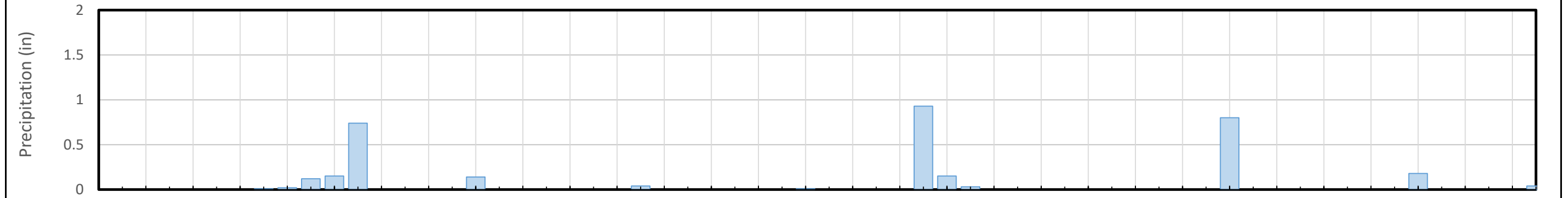
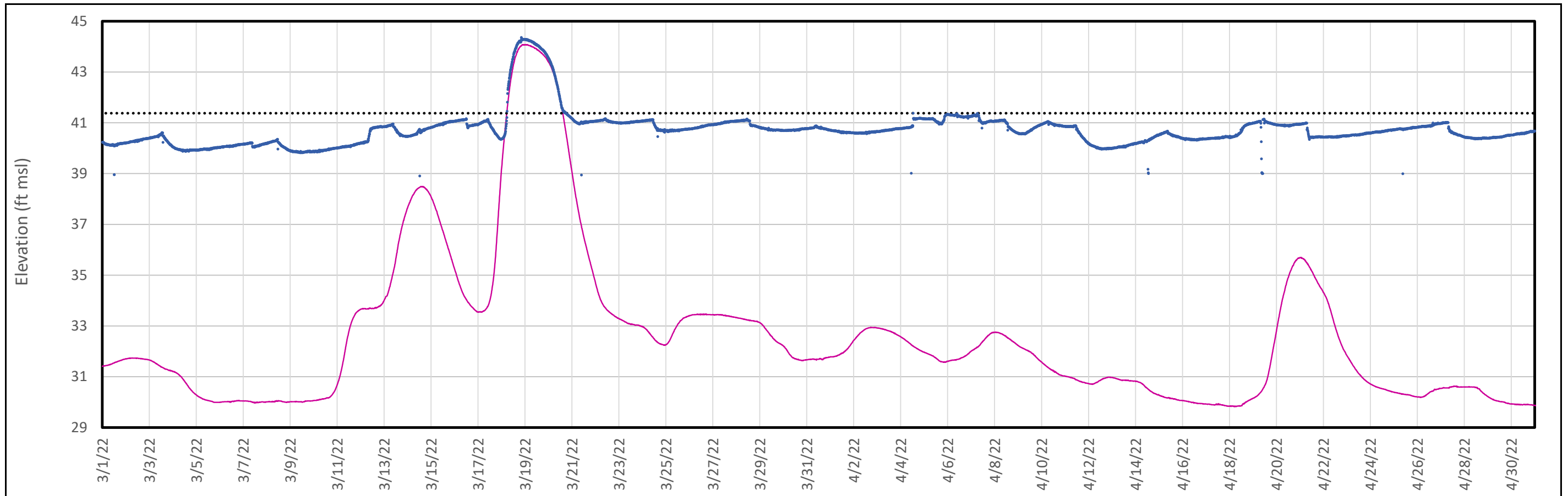


Legend
 — Inlet Chamber/Impoundment Elevation

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	May 2022

Figure A3-B

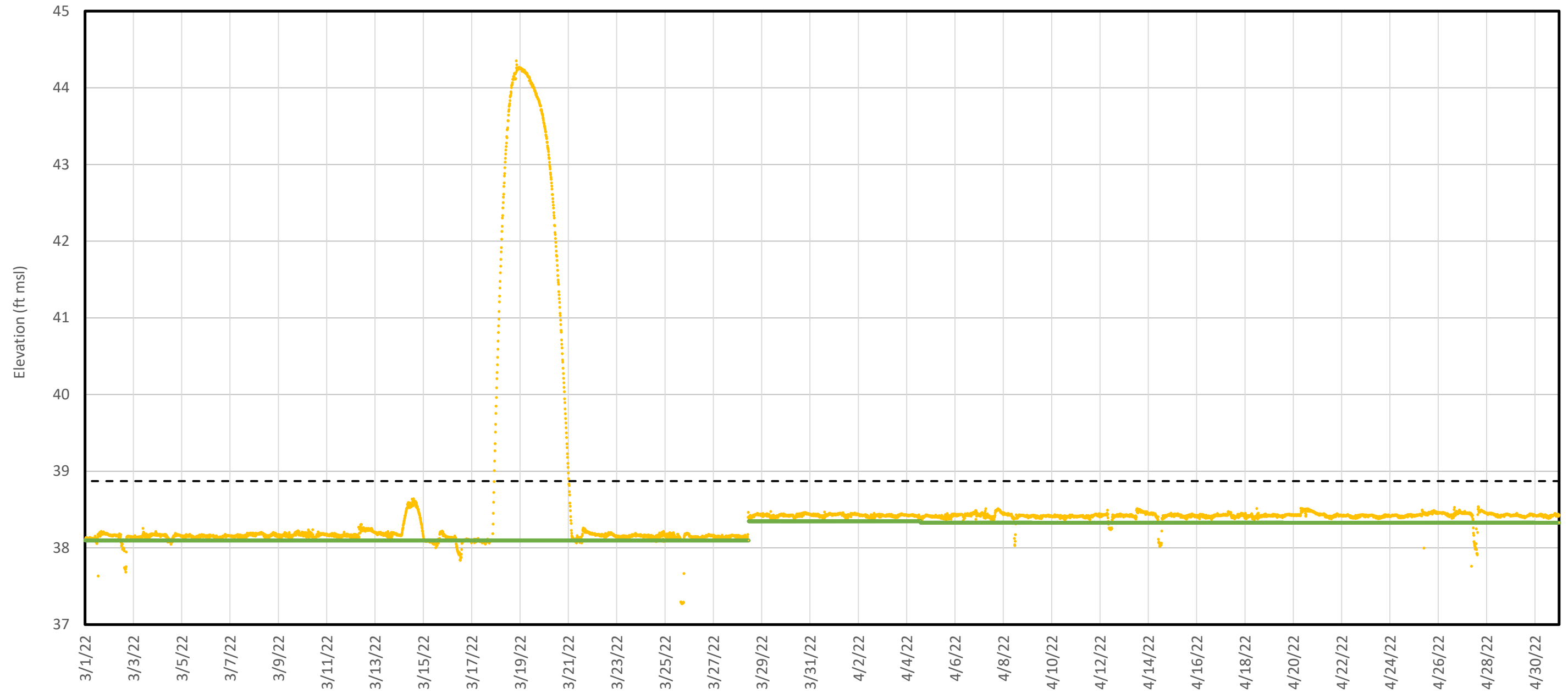


Legend

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

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

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	May 2022
Figure A4-B	



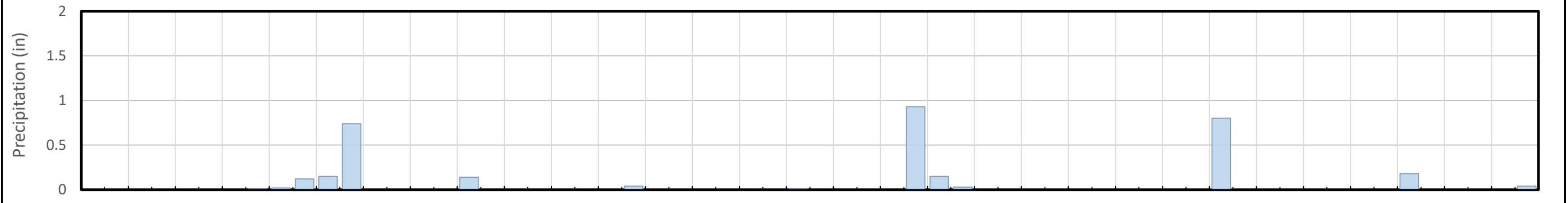
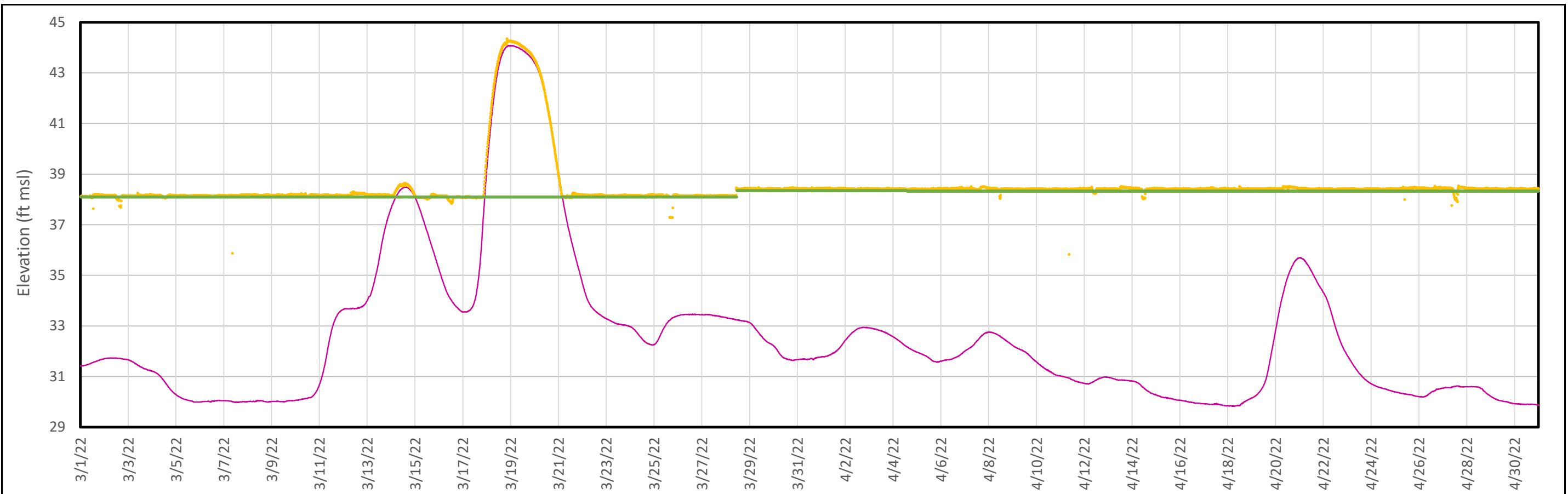
Legend

- 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	May 2022
Figure A1-C	



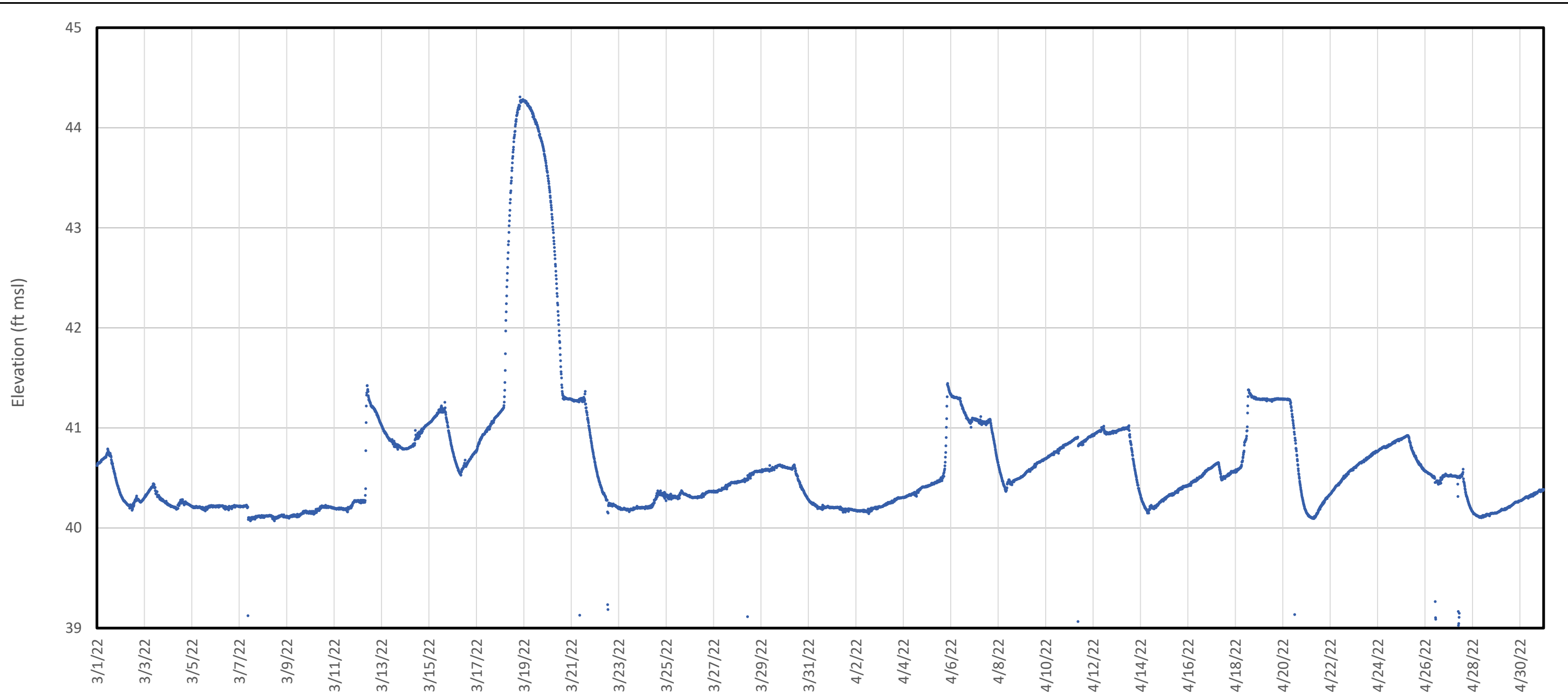
Legend

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

Notes:
 As water can flow through the flow-through cell both as a result of wet weather inflow and elevated river levels from flooding, Figure 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	Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295
Raleigh, NC	May 2022

**Figure
A2-C**



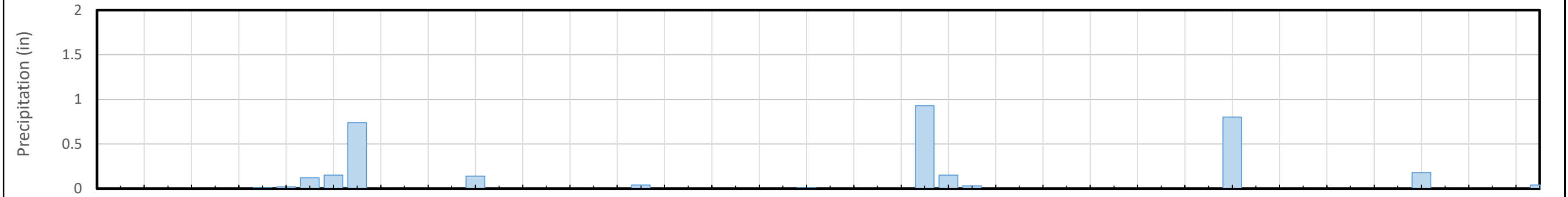
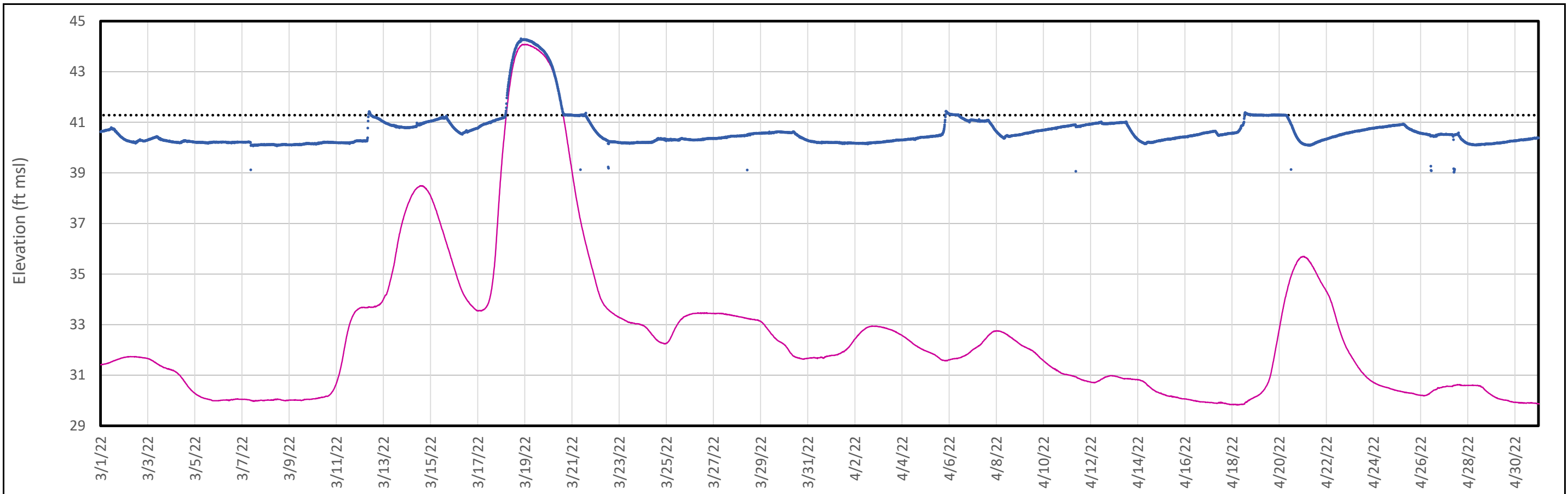
Legend

— Inlet Chamber/Impoundment Elevation

Notes:

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

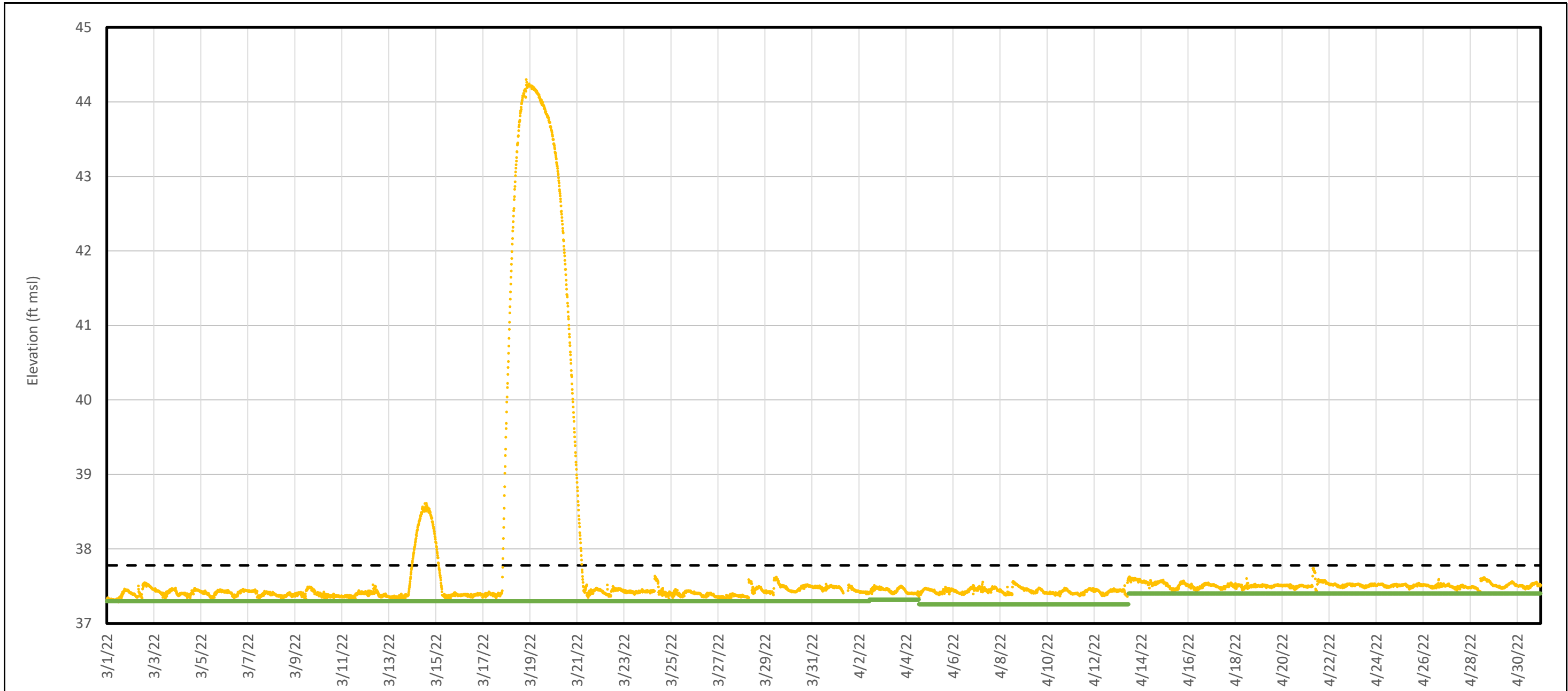
Inlet Chamber Water Elevation - Seep C Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec consultants	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	May 2022
Figure A3-C	



- 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.

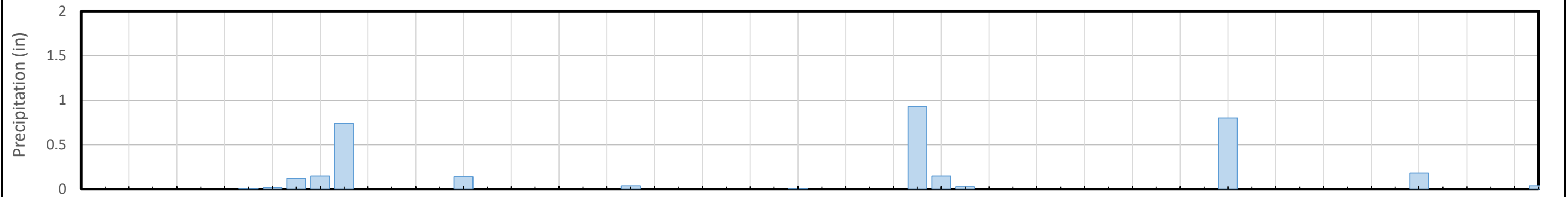
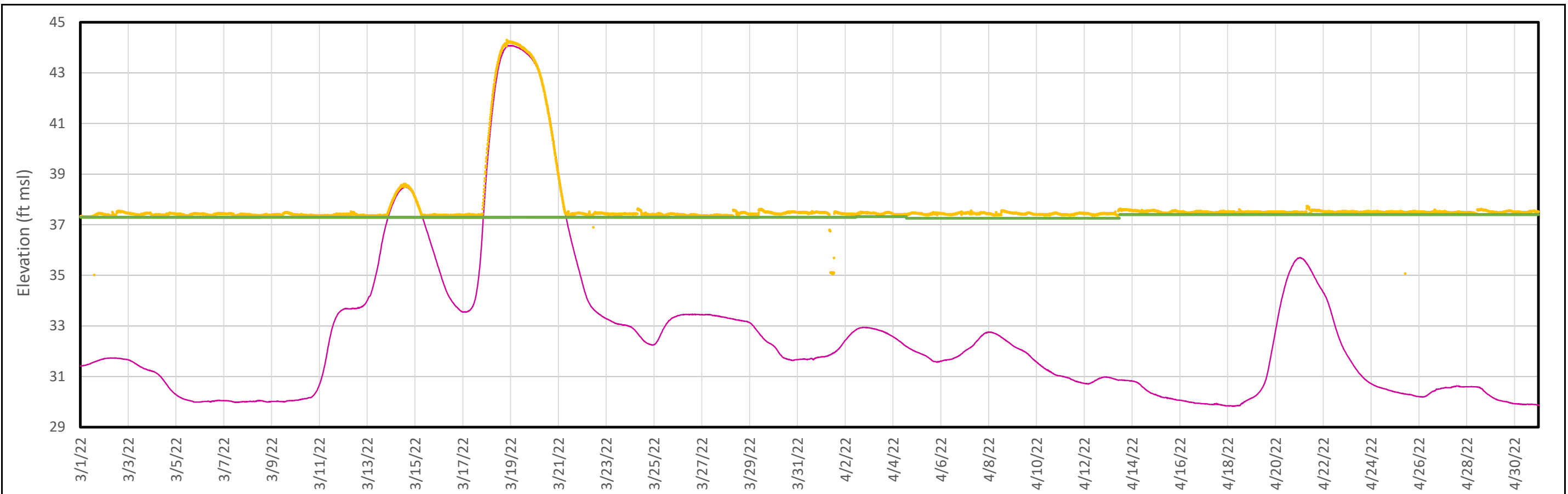
Inlet Chamber Water Elevation and External Forcings - Seep C	
Chemours Fayetteville Works Fayetteville, North Carolina	
Geosyntec <small>consultants</small>	<small>Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295</small>
Raleigh, NC	May 2022
Figure A4-C	



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	May 2022
Figure A1-D	

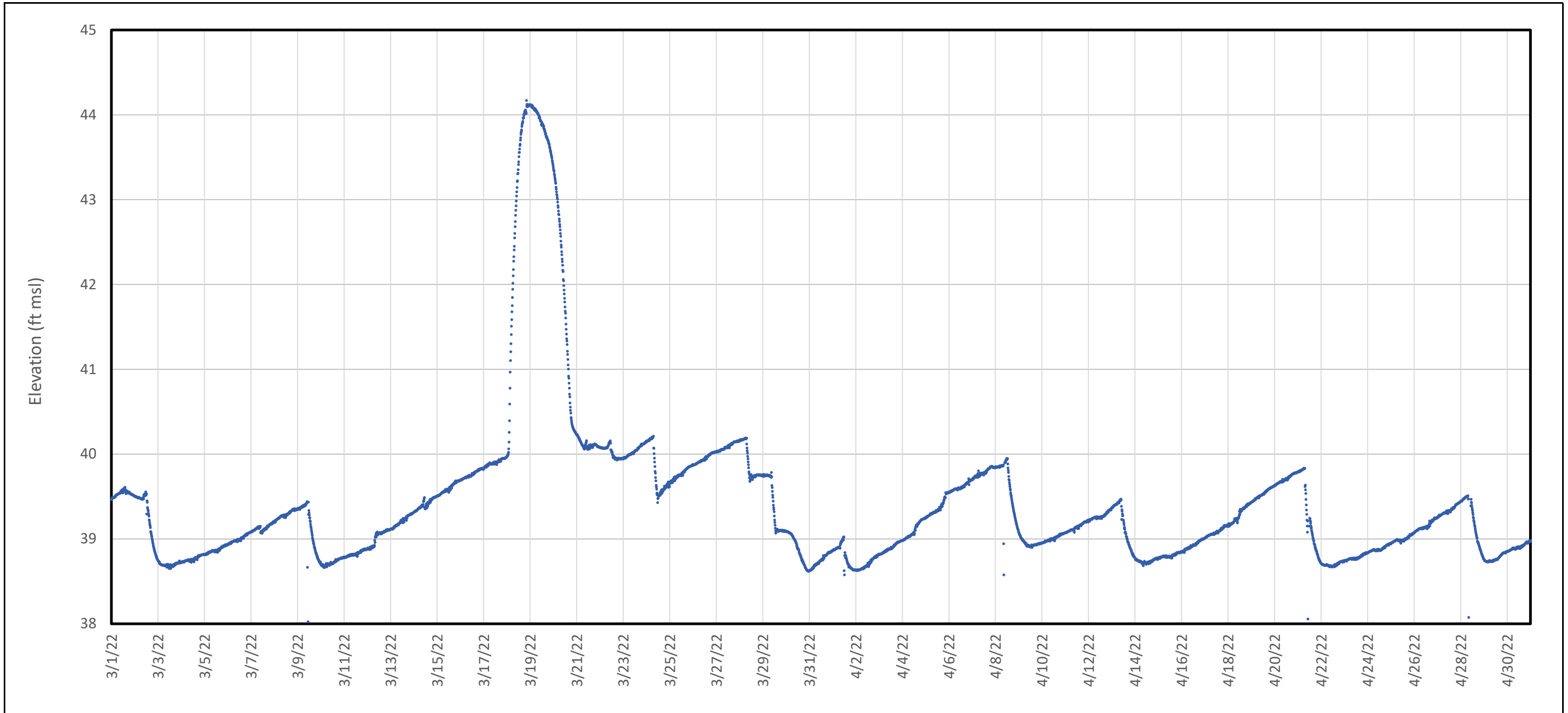


Legend

- 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	May 2022
Figure A2-D	

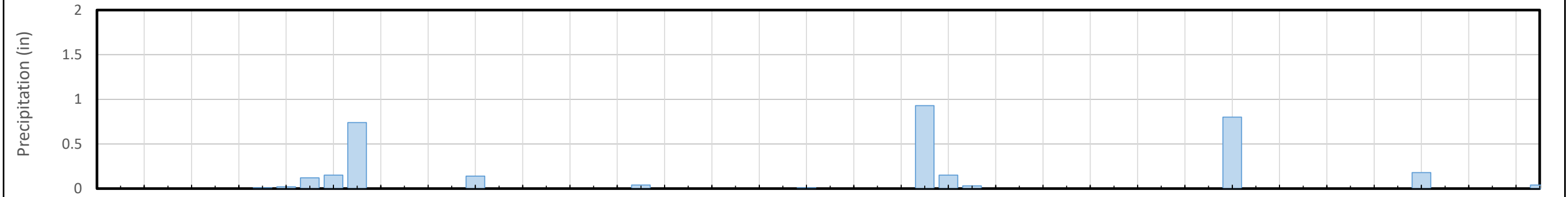
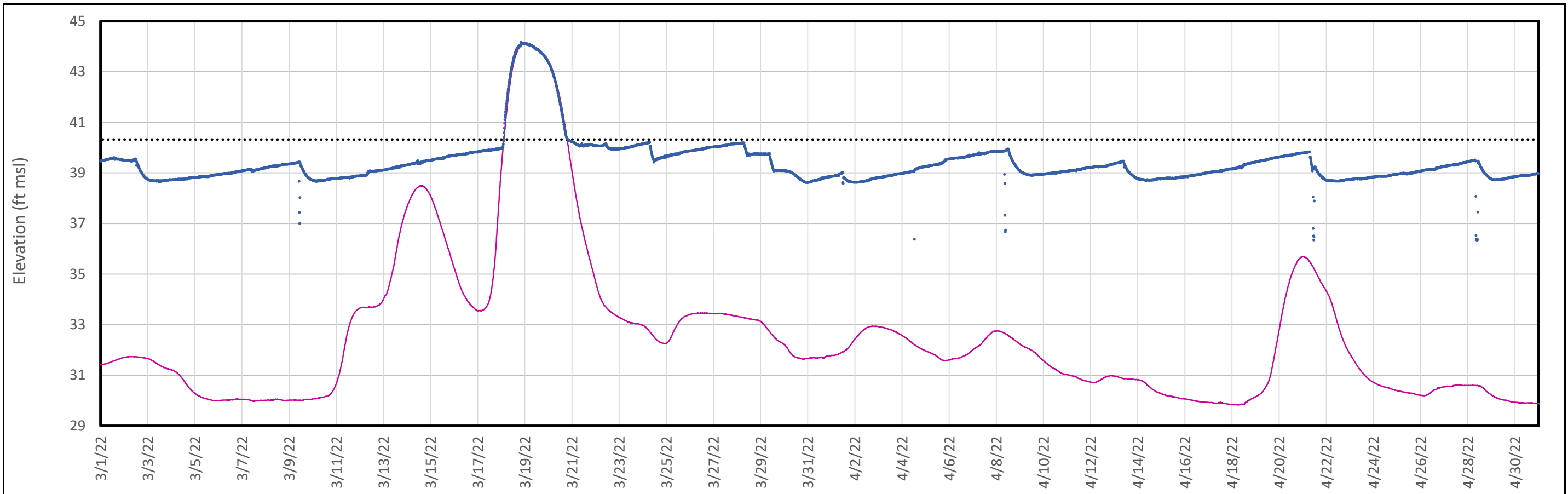


Legend
 — Inlet Chamber/Impoundment Elevation

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	May 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 <small>consultants</small>	Figure A4-D
Raleigh, NC	May 2022

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
SEEP-A-INFLUENT-156-031122	320-85817-1	Other liquid	N	03/11/2022	04:00
SEEP-A-EFFLUENT-306-031422	320-85817-2	Other liquid	N	03/14/2022	04:00
SEEP-C-INFLUENT-312-031422	320-85817-3	Other liquid	N	03/14/2022	10:00
SEEP-C-EFFLUENT-312-031422	320-85817-4	Other liquid	N	03/14/2022	10:00
SEEP-D-INFLUENT-306-031422	320-85817-5	Other liquid	N	03/14/2022	04:00
SEEP-D-EFFLUENT-306-031422	320-85817-6	Other liquid	N	03/14/2022	04:00
SEEP-B-EFFLUENT-312-031422	320-85817-7	Other liquid	N	03/14/2022	10:00
SEEP-B-INFLUENT-312-031422	320-85817-8	Other liquid	N	03/14/2022	10:00
SEEP-FBLK-031522	320-85817-9	Blank Water	N	03/15/2022	15:00
SEEP-A-INFLUENT-RAIN-24-031322	320-85819-1	Other liquid	N	03/13/2022	06:45
SEEP-A-EFFLUENT-RAIN-24-031322	320-85819-2	Other liquid	N	03/13/2022	06:45
SEEP-C-INFLUENT-RAIN-24-031322	320-85819-3	Other liquid	N	03/13/2022	06:35
SEEP-C-EFFLUENT-RAIN-24-031322	320-85819-4	Other liquid	N	03/13/2022	06:35
SEEP-D-INFLUENT-RAIN-24-031322	320-85819-5	Other liquid	N	03/13/2022	06:45
SEEP-D-EFFLUENT-RAIN-24-031322	320-85819-6	Other liquid	N	03/13/2022	06:45

SEEP-B-EFFLUENT-RAIN-24-031322	320-85819-7	Other liquid	N	03/13/2022	06:45
SEEP-B-INFLUENT-RAIN-24-031322	320-85819-8	Other liquid	N	03/13/2022	06:45
SEEP-EQBLK-031522	320-85819-9	Blank Water	N	03/15/2022	17:00
SEEP-A-INFLUENT-24-032622	320-86244-1	Other liquid	N	03/26/2022	19:00
SEEP-A-EFFLUENT-24-032622	320-86244-2	Other liquid	N	03/26/2022	19:00
SEEP-C-INFLUENT-24-032622	320-86244-3	Other liquid	N	03/26/2022	19:00
SEEP-C-EFFLUENT-24-032622	320-86244-4	Other liquid	N	03/26/2022	19:00
SEEP-D-INFLUENT-24-032622	320-86244-5	Other liquid	N	03/26/2022	19:00
SEEP-D-EFFLUENT-24-032622	320-86244-6	Other liquid	N	03/26/2022	19:00
SEEP-B-EFFLUENT-24-032622	320-86244-7	Other liquid	N	03/26/2022	19:00
SEEP-B-INFLUENT-24-032622	320-86244-8	Other liquid	N	03/26/2022	19:00
SEEP-FBLK-032922-2	320-86244-9	Blank Water	N	03/29/2022	12:00
SEEP-A-INFLUENT-24-032922	320-86307-1	Other liquid	N	03/29/2022	19:00
SEEP-FBLK-032922	320-86307-10	Blank Water	N	03/30/2022	12:00
SEEP-A-EFFLUENT-24-032922	320-86307-2	Other liquid	N	03/29/2022	19:00
SEEP-C-INFLUENT-24-032922	320-86307-3	Other liquid	N	03/29/2022	19:00
SEEP-C-EFFLUENT-24-032922	320-86307-4	Other liquid	N	03/29/2022	19:00
SEEP-D-INFLUENT-24-032922	320-86307-5	Other liquid	N	03/29/2022	19:00
SEEP-D-EFFLUENT-24-032922	320-86307-6	Other liquid	N	03/29/2022	19:00

SEEP-B-EFFLUENT-24-032922	320-86307-7	Other liquid	N	03/29/2022	19:00
SEEP-B-INFLUENT-24-032922	320-86307-8	Other liquid	N	03/29/2022	19:00
SEEP-B-EFFLUENT-24-032922-D	320-86307-9	Other liquid	N	03/29/2022	19:00
SEEP-C-Effluent-RAIN-24-040622	320-86615-1	Other liquid	N	04/06/2022	17:30
SEEP-C-Influent-RAIN-24-040622	320-86615-2	Other liquid	N	04/06/2022	17:30
SEEP-B-Influent-RAIN-24-040622	320-86615-3	Other liquid	N	04/06/2022	17:00
SEEP-B-Effluent-RAIN-24-040622	320-86615-4	Other liquid	N	04/06/2022	17:00
SEEP-EQBLK-040722	320-86615-5	Blank Water	N	04/07/2022	12:00
SEEP-A-Effluent-336-041522	320-86853-1	Other liquid	N	04/15/2022	08:00
Seep-D-Influent-336-041522	320-86853-10	Other liquid	N	04/15/2022	08:00
Seep-FBLK-041522	320-86853-11	Blank Water	N	04/15/2022	08:00
SEEP-A-Influent-336-041522	320-86853-2	Other liquid	N	04/15/2022	08:00
SEEP-B-Influent-336-041522	320-86853-3	Other liquid	N	04/15/2022	08:00
SEEP-B-Effluent-336-041522	320-86853-4	Other liquid	N	04/15/2022	08:00
SEEP-B-Effluent-336-041522-D	320-86853-5	Other liquid	N	04/15/2022	08:00
Seep-C-Influent-336-041522	320-86853-7	Other Liquid	N	04/15/2022	08:00
Seep-C-Effluent-282-041522	320-86853-8	Other Liquid	N	04/15/2022	02:00
Seep-D-Effluent-336-041522	320-86853-9	Other liquid	N	04/15/2022	08:00
SEEP-C-INFLUENT-RAIN-24-041922	320-87036-1	Other liquid	N	04/19/2022	14:00

SEEP-C-EFFLUENT-RAIN-24-041922	320-87036-2	Other liquid	N	04/19/2022	14:00
SEEP-B-INFLUENT-RAIN-24-041922	320-87036-3	Other liquid	N	04/19/2022	14:00
SEEP-B-EFFLUENT-RAIN-12-041922	320-87036-4	Other Liquid	N	04/19/2022	14:00
SEEP-D-INFLUENT-RAIN-24-041922	320-87036-5	Other liquid	N	04/19/2022	14:00
SEEP-D-EFFLUENT-RAIN-24-041922	320-87036-6	Other liquid	N	04/19/2022	14:00
SEEP-A-INFLUENT-RAIN-24-041922	320-87036-7	Other liquid	N	04/19/2022	14:00
SEEP-A-EFFLUENT-RAIN-24-041922	320-87036-8	Other liquid	N	04/19/2022	14:00
SEEP-EQBLK-RAIN-042022	320-87036-9	Blank Water	N	04/20/2022	14:00
SEEP-A-INFLUENT-336-042922	320-87351-1	Other liquid	N	04/29/2022	08:00
SEEP-A-EFFLUENT-336-042922	320-87351-2	Other liquid	N	04/29/2022	08:00
SEEP-D-INFLUENT-336-042922	320-87351-3	Other liquid	N	04/29/2022	08:00
SEEP-D-EFFLUENT-336-042922	320-87351-4	Other liquid	N	04/29/2022	08:00
SEEP-FBLK-042922	320-87351-5	Blank Water	N	04/29/2022	09:00
SEEP-C-INFLUENT-336-042922	320-87351-6	Other Liquid	N	04/29/2022	08:00
SEEP-C-EFFLUENT-336-042922	320-87351-7	Other liquid	N	04/29/2022	08:00
SEEP-B-INFLUENT-330-042922	320-87351-8	Other liquid	N	04/29/2022	04:00
SEEP-B-EFFLUENT-336-042922	320-87351-9	Other liquid	N	04/29/2022	04:00

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

Analytical Protocol

Lab Name ¹	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	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 Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-8	PFO2HxA	0.0027	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-8	PFMOAA	0.0093	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-12-041922	04/19/2022	320-87036-4	Hfpo Dimer Acid	0.0039	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-12-041922	04/19/2022	320-87036-4	PFO2HxA	0.0065	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-12-041922	04/19/2022	320-87036-4	PFMOAA	0.041	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-2	Hfpo Dimer Acid	0.010	UG/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-2	PFO2HxA	0.014	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-2	PFO3OA	0.0020	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-2	PFMOAA	0.062	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-6	PFO2HxA	0.0033	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-RAIN-24-041922	04/19/2022	320-87036-6	PFMOAA	0.017	ug/L	PQL		0.0020	B	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code: The associated continuing calibration verification check is outside $\pm 30\%$ (sensitivity decrease). The detection limit has been qualified "UJ", may be higher than reported, and should be considered estimated.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-Influent-RAIN-24-040622	04/06/2022	320-86615-3	PFO5DA	0.39	ug/L	PQL		0.39	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-Effluent-336-041522	04/15/2022	320-86853-1	R-PSDA	0.026	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Effluent-336-041522	04/15/2022	320-86853-1	Hydrolyzed PSDA	0.25	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Effluent-336-041522	04/15/2022	320-86853-1	R-EVE	0.013	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336-042922	04/29/2022	320-87351-2	Hydrolyzed PSDA	0.0045	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-336-041522	04/15/2022	320-86853-10	R-PSDA	0.73	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-336-041522	04/15/2022	320-86853-10	Hydrolyzed PSDA	1.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-D-Influent-336-041522	04/15/2022	320-86853-10	R-EVE	0.70	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-042922	04/29/2022	320-87351-3	R-PSDA	0.42	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-042922	04/29/2022	320-87351-3	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336-042922	04/29/2022	320-87351-3	R-EVE	0.48	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-5	R-PSDA	0.65	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-5	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-5	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Influent-336-041522	04/15/2022	320-86853-7	R-PSDA	0.60	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Influent-336-041522	04/15/2022	320-86853-7	Hydrolyzed PSDA	0.67	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Influent-336-041522	04/15/2022	320-86853-7	R-EVE	0.60	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-042922	04/29/2022	320-87351-6	R-PSDA	0.61	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-042922	04/29/2022	320-87351-6	Hydrolyzed PSDA	0.80	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336-042922	04/29/2022	320-87351-6	R-EVE	0.60	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-1	R-PSDA	0.56	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-1	Hydrolyzed PSDA	0.66	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-1	R-EVE	0.60	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-330-042922	04/29/2022	320-87351-8	R-PSDA	3.1	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-INFLUENT-330-042922	04/29/2022	320-87351-8	Hydrolyzed PSDA	33	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-330-042922	04/29/2022	320-87351-8	R-EVE	1.5	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-336-041522	04/15/2022	320-86853-3	R-PSDA	2.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-336-041522	04/15/2022	320-86853-3	Hydrolyzed PSDA	23	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Influent-336-041522	04/15/2022	320-86853-3	R-EVE	1.8	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-3	R-PSDA	2.9	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-3	Hydrolyzed PSDA	23	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-3	R-EVE	2.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Effluent-282-041522	04/15/2022	320-86853-8	R-PSDA	0.0058	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Effluent-282-041522	04/15/2022	320-86853-8	Hydrolyzed PSDA	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
Seep-C-Effluent-282-041522	04/15/2022	320-86853-8	R-EVE	0.0053	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-336-041522	04/15/2022	320-86853-2	R-PSDA	2.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-336-041522	04/15/2022	320-86853-2	Hydrolyzed PSDA	24	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-Influent-336-041522	04/15/2022	320-86853-2	R-EVE	1.0	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336-042922	04/29/2022	320-87351-1	R-PSDA	2.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336-042922	04/29/2022	320-87351-1	Hydrolyzed PSDA	32	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336-042922	04/29/2022	320-87351-1	R-EVE	1.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-7	R-PSDA	1.9	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-7	Hydrolyzed PSDA	20	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-041922	04/19/2022	320-87036-7	R-EVE	0.88	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Effluent-336-041522	04/15/2022	320-86853-4	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Effluent-336-041522	04/15/2022	320-86853-4	Hydrolyzed PSDA	0.092	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Effluent-336-041522	04/15/2022	320-86853-4	R-EVE	0.0084	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-B-Effluent-336-041522-D	04/15/2022	320-86853-5	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Effluent-336-041522-D	04/15/2022	320-86853-5	Hydrolyzed PSDA	0.10	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-Effluent-336-041522-D	04/15/2022	320-86853-5	R-EVE	0.0085	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336-042922	04/29/2022	320-87351-9	Hydrolyzed PSDA	0.0046	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-306-031422	03/14/2022	320-85817-2	R-PSDA	0.0085	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-306-031422	03/14/2022	320-85817-2	Hydrolyzed PSDA	0.071	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-306-031422	03/14/2022	320-85817-2	R-EVE	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-156-031122	03/11/2022	320-85817-1	R-PSDA	1.6	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-156-031122	03/11/2022	320-85817-1	Hydrolyzed PSDA	17	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-156-031122	03/11/2022	320-85817-1	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-312-031422	03/14/2022	320-85817-7	Hydrolyzed PSDA	0.0084	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	R-PSDA	3.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	R-PSDA	3.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	Hydrolyzed PSDA	27	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	Hydrolyzed PSDA	28	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-312-031422	03/14/2022	320-85817-8	R-EVE	1.9	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-312-031422	03/14/2022	320-85817-4	R-PSDA	0.0028	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-312-031422	03/14/2022	320-85817-4	Hydrolyzed PSDA	0.0022	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-031422	03/14/2022	320-85817-3	R-PSDA	0.63	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-031422	03/14/2022	320-85817-3	Hydrolyzed PSDA	0.86	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-312-031422	03/14/2022	320-85817-3	R-EVE	0.80	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-031422	03/14/2022	320-85817-5	R-PSDA	0.54	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-306-031422	03/14/2022	320-85817-5	Hydrolyzed PSDA	1.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-306-031422	03/14/2022	320-85817-5	R-EVE	0.66	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-RAIN-24-031322	03/13/2022	320-85819-2	R-PSDA	0.0093	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-RAIN-24-031322	03/13/2022	320-85819-2	Hydrolyzed PSDA	0.027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-1	R-PSDA	1.8	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-1	Hydrolyzed PSDA	17	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-1	R-EVE	0.73	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-RAIN-24-031322	03/13/2022	320-85819-7	Hydrolyzed PSDA	0.0081	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-8	R-PSDA	3.8	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-8	Hydrolyzed PSDA	21	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-8	R-EVE	1.9	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-3	R-PSDA	0.50	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-3	Hydrolyzed PSDA	0.50	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-3	R-EVE	0.37	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-5	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-5	Hydrolyzed PSDA	1.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-24-031322	03/13/2022	320-85819-5	R-EVE	0.63	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-032622	03/26/2022	320-86244-2	Hydrolyzed PSDA	0.014	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-032622	03/26/2022	320-86244-1	Hydrolyzed PSDA	15	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032622	03/26/2022	320-86244-8	R-PSDA	2.9	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032622	03/26/2022	320-86244-8	Hydrolyzed PSDA	22	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032622	03/26/2022	320-86244-8	R-EVE	1.6	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-24-032622	03/26/2022	320-86244-4	R-PSDA	0.012	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-C-EFFLUENT-24-032622	03/26/2022	320-86244-4	Hydrolyzed PSDA	0.0027	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032622	03/26/2022	320-86244-3	R-PSDA	0.65	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032622	03/26/2022	320-86244-3	Hydrolyzed PSDA	0.79	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032622	03/26/2022	320-86244-3	R-EVE	0.56	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032622	03/26/2022	320-86244-5	R-PSDA	0.58	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032622	03/26/2022	320-86244-5	Hydrolyzed PSDA	1.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032622	03/26/2022	320-86244-5	R-EVE	0.56	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-032922	03/29/2022	320-86307-2	R-PSDA	0.051	UG/L	PQL		0.0035	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-032922	03/29/2022	320-86307-2	Hydrolyzed PSDA	0.49	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-032922	03/29/2022	320-86307-2	R-EVE	0.024	UG/L	PQL		0.0036	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-032922	03/29/2022	320-86307-1	R-PSDA	2.1	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-032922	03/29/2022	320-86307-1	Hydrolyzed PSDA	23	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-24-032922	03/29/2022	320-86307-1	R-EVE	0.97	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032922	03/29/2022	320-86307-8	R-PSDA	2.9	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032922	03/29/2022	320-86307-8	Hydrolyzed PSDA	23	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-24-032922	03/29/2022	320-86307-8	R-EVE	1.6	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032922	03/29/2022	320-86307-3	R-PSDA	0.87	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032922	03/29/2022	320-86307-3	Hydrolyzed PSDA	0.92	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-24-032922	03/29/2022	320-86307-3	R-EVE	0.74	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032922	03/29/2022	320-86307-5	R-PSDA	0.75	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032922	03/29/2022	320-86307-5	Hydrolyzed PSDA	1.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-24-032922	03/29/2022	320-86307-5	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site: Fayetteville

Sampling Program: Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-336-042922	04/29/2022	320-87351-1	PFO2HxA	39	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-24-032622	03/26/2022	320-86244-2	PFMOAA	0.047	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep