

### INTERIM SEEP REMEDIATION OPERATION AND MAINTENANCE REPORT #12

### **Chemours Fayetteville Works**

Prepared for

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#### **EXECUTIVE SUMMARY**

This Operations and Maintenance Report #12 (O&M Report #12) has been prepared to document the operations, maintenance, and performance of the flow-through cells at Seeps A, B, C, and D from November 1 through December 31, 2022. The median flow rate processed by the Seep A, B, C, and D FTCs was 80, 103, 42, and 49 gallons per minute (gpm), respectively. As documented in the previous O&M Reports #1 through #11, the FTC systems are capable of capturing total base flow under favorable hydraulic conditions, and additionally capture and treat a portion of wet weather flow as well. In total, over the two-month reporting period, the systems processed approximately 26,700,000 gallons of seep flow. Composite samples from performance monitoring indicated that the average PFAS removal efficiency of the captured base flow was approximately >99.9%, and the FTCs are estimated to have prevented approximately 42.5 pounds (lbs) of PFAS from being discharged to the Cape Fear River in the reporting period, and 528 lbs of PFAS over the lifetime of the systems to date.



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#### LIST OF ACRONYMS AND ABBREVIATIONS

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



#### 1. INTRODUCTION

Geosyntec Consultants of NC, P.C. (Geosyntec) has prepared this Interim Seep Remediation Operation and Maintenance (O&M) Report #12 ("O&M Report #12") 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 #12 has been prepared for the operational period of November 1 through December 31, 2022. The next O&M Report (#13) will cover the bimonthly period of January 1 through February 28, 2023.

As the O&M Report #1 from March 31, 2021 presented FTC performance data for the first time, detailed information was provided on the hydraulic mechanics of the system, flood management practices, data collection methodology and reduction process, and flow calculation formulas. As a simplifying step for presentation clarity, at various sections in this O&M Report #12, 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 (November 1 through December 31, 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 November 1 through December 31, 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	23	38	61
В	53	8	61
С	18	43	61
D	0	61	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.

The Cape Fear River did not rise above the action level during the reporting period (November 1 through December 31, 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:

	Filter Bed	GAC Changeouts				
Seep		Date	GAC Age/Lead Days	GAC Removed (pounds [lbs])		
A	FB1	11/23/2022	105/64	27,000		
В	FB2	11/3/2022	107/79	27,000		
В	FB1	12/29/2022	135/57	27,000		
С	FB2	12/14/2022	134/64	9,000		
			Total	90,000		

#### 2.5 Issue Resolution and System Optimization

Beginning in October, filter skids have been periodically operated at the A, B, and C FTCs by O&M personnel to improve pre-filtration of fine-grained sediment in influent water before it contacts the filter beds. The skids consist of a pump and a set of two bag houses in series. Pump intakes are placed in the pond, filtered through the bags ranging from 1 to 10 micron in size, and discharged into the influent stilling basin. The operations of filter skids at the FTCs assist in reducing turbidity and also generating additional freeboard by temporarily increasing flow through the system.



#### **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 nonvented 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 asneeded basis (i.e., breakthrough monitoring)
- water quality parameters specified in the CO Addendum
- potential effects of 0.5-inch rain events on PFAS concentrations (i.e., wet weather monitoring)

#### **3.3.1** Performance Monitoring

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



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

During this reporting period, four sets of performance monitoring samples each were collected from Seeps A, B, C, and D. 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. Eight sets of breakthrough monitoring samples each were collected from Seeps A, B, C, and D during this reporting period (32 total).

#### 3.3.3 Water Quality Monitoring

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

#### 3.3.4 Rain Event Monitoring

Wet weather samples were collected at a frequency of 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 in data collected are described below.



#### 3.4.1 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.

- Before the completion of the composite sampling on December 14, 2022, the autosampler for the Seep B effluent malfunctioned, resulting in the collection of fewer aliquots (240) than planned (336).
- Before the completion of the composite sampling on December 14, 2022, the autosampler for the Seep C influent malfunctioned, resulting in the collection of fewer aliquots (264) than planned (336).
- Before the completion of the composite sampling on December 29, 2022, the autosampler for the Seep C effluent malfunctioned, resulting in the collection of fewer aliquots (324) than planned (336).
- Before the completion of the composite sampling on December 29, 2022, the autosampler for the Seep D influent malfunctioned, resulting in the collection of fewer aliquots (324) than planned (336).

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



#### 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 (Nov	ember 1 – Decen	ıber 31, 2022)				
Rainfall, Actual (in)		4.94 (Nover	nber 1 – Decemb	per 31, 2022)				
Rainfall, Historical Average (in)		7.50 (November 1 – December 31, 2004-2020)						
River Above Spillway (days) *	0	0 0		0 0				
Operational Period (days)		N/A						
Median Flow Rate (gpm)	80	103	42	49	274			
Seep Volume Treated (gallons)	8,000,000	9,600,000	3,900,000	5,200,000	26,700,000			
PFAS Removed (lbs)	13.19	21.72	4.04	3.55	42.5			

\* 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	80	103	42	49
95 <sup>th</sup> percentile Flow Rate (gpm) during the Reporting Period	195	196	80	101
Design Basis Flow Rate * (gpm)	205	226	76	183

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

Using the measured and extrapolated flowrate calculations, approximately 8,000,000 gallons, 9,600,000 gallons, 3,900,000 gallons, and 5,200,000 gallons of water (26,700,000 gallons total) were treated by the Seeps A, B, C, and D FTCs, respectively, from November 1 through December 31, 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 November was approximately 2.54 inches, which is approximately 30% less than the monthly historical average of 3.59 inches. In December, the total rainfall was 2.40 inches, which is approximately 40% less than the monthly historical average of 3.91 inches. Overall, for the two-month period, the total rainfall received was approximately 35% less than the historical average. Several of the rain events that did occur were high intensity (peak intensity >1 inch per hour), which caused the influent to bypass the FTCs in November and December at Seeps A, B, and C. These instances of bypass were resolved with maintenance events lowering the impoundment below the spillway, similar to previous reporting periods. At Seep D, there was no bypass for the full two-month period.

#### 4.2 Performance Monitoring Analytical Results

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



Analytical Results – Performance Monitoring	Seep A	Seep B	Seep C	Seep D
Average Influent Total Table 3+ PFAS, 17 compounds (ng/L)	177,500	250,000	124,750	92,333
Average Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	38	146	55	2.3
Average Removal Efficiency (%)	>99.9	99.9	>99.9	>99.9

*Note: as discussed in Section 3.4.1, PFAS were anomalously not detected in the December 14 influent Seep D data, and were therefore not used in the calculations above.* 

#### 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 >99.9%. The system effectiveness for the individual Seeps is presented below:

System	Seep	A	See	p B	Seep C Seep D		p D	Overall	
Effectiveness	Nov	Dec	Nov	Dec	Nov	Dec	Nov	Dec	Average
%	>99.9	>99.9	>99.9	99.9	99.9	>99.9	>99.9	>99.9	>99.9

*Note: as discussed in Section 3.4.1, PFAS were anomalously not detected in the December 14 influent Seep D data, and were therefore not used in the calculations above.* 

#### 4.4 Wet Weather Sampling Results

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



Analytical Result – Wet Weather Monitoring	Seep A	Seep B	Seep C	Seep D
Influent Total Table 3+ PFAS, 17 compounds (ng/L)	125,000	220,000	114,000	110,000
Effluent Total Table 3+ PFAS, 17 compounds (ng/L)	42	87	70	None Detected
Removal Efficiency (%)	>99.9	>99.9	99.9	100

#### 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.

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

Figure 1 presents a similar dataset, but for the current reporting period only, and using the as-built elevations of the Seep C FTC for clarity. As shown, the Cape Fear River did not rise above the elevation of any key features from November 1 through December 31, 2022.

#### 4.6 Water Quality

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

• **DO:** No significant differences were observed in the fluctuations of DO between influent and effluent locations at all four seeps. On a median basis, the DO changed by 1.3 mg/L or less. Aerobic (>2 mg/L) conditions were consistently observed during the process. The

NC License No.: C-3500 and C-295 ogical activity to treat influent water, therefore, DO is not

FTC systems do not involve biological activity to treat influent water, therefore, DO is not expected to decrease or increase significantly over the system's residence time.

- **Temperature:** At all four seeps, the median temperature of the effluent was within 0.5°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 -77.1 and 40.6 µS/cm.
- **pH:** The median influent pH at the four seeps ranged from 5.9 to 6.8, and the effluent pH ranged from 6.6 to 7.0 standard units (SU) in this reporting period. From the IC to the ESB, the median pH of treated water at Seeps A, B, C, and D changed by 0.2, -0.1, -0.2, and 0.6 SU, respectively.
- **Turbidity:** The median turbidity of the influent water at Seeps A-D ranged from 6.8 to 145.1 NTU. The FTCs significantly decreased the turbidity of the influent water. The median turbidity of the effluent water at Seeps A-D ranged from 0.6 to 18.3 NTU.
- **TSS:** The median influent TSS at Seeps A-D ranged from 3.4 to 84 mg/L. Effluent TSS at Seeps A-D was either not detected or was detected in minimal concentrations (3.6 mg/L or lower). As was the case with turbidity, the FTCs decreased the TSS in the influent water.



#### 5. SUMMARY

The following summarizes the FTC performance after the completion of the latest reporting period (November 1 through December 31, 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 >99.9%. To date, the A-D FTCs have prevented approximately 528 lbs of PFAS from being discharged to the Cape Fear River.

The next reporting period (January 1 through February 28, 2023) will be described in O&M Report #13, to be submitted no later than March 31, 2023.



#### 6. **REFERENCES**

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### TABLES

#### Table 1a Summary of Operations and Maintenance Activities - Seep A **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works

Fayetteville, North Carolina

		Demaga	Sa	mpling Perform	ied		Operation	nal Mode				
	Days Since	Bypass Spillway	Breakthrough	Performance	Wet Weather	Arri	ival	Depa	rture	Transducers		
Date	Startup	Flow?	Monitoring			FB1	FB2	FB1	FB2	Downloaded	Maintenance Activities Completed	Notes
11/01/2022	553	No				Ser	ies	Sei	ries	Х	N/A	N/A
11/04/2022	556	No				Ser	ies	Sei	ries		Cleaned FB1.	N/A
11/07/2022	559	No	Х			Ser	ies	Sei	ries	Х	N/A	N/A
11/10/2022	562	No				Ser	ies	Sei	ries		Skimmed and fluffed FB1.	5 inches of freeboard.
11/11/2022	563	Yes				Ser	ies	Sei	ries		N/A	Rain gauge reading of 1.45 inches.
11/12/2022	564	Yes			Х	Ser	ies	Sei	ries		Skimmed and fluffed FB1.	Rain gauge reading of 1.75 inches. Bypassing observed post service, but
		27	N.			G		0			C1 1 FD1	noticeable increase to outlet flow.
11/14/2022	566	No	Х			Ser		Sei		Х	Cleaned FB1.	N/A
11/15/2022	567	No		Х		Ser		Ser			N/A	N/A
11/16/2022	568	No				Ser		Sei			Skimmed and fluffed FB1.	N/A
11/17/2022	569	No				Ser		Sei			N/A	N/A
11/18/2022	570	No				Ser		Sei			Skimmed and fluffed FB1.	N/A
11/21/2022	573	No	Х			Ser		Sei		Х	N/A	N/A
11/22/2022	574	No				Ser		Closed	Lead		Skimmed and fluffed FB2 in preparation for changeout.	14 inches of freeboard.
11/23/2022	575	No				Changeout	Lead	Sei			Changeout of FB1.	N/A
11/28/2022	580	No	Х			Ser	ies	Sei		Х	N/A	N/A
11/29/2022	581	No				Ser	ies	Sei	ries		Skimmed and fluffed FB2.	N/A
11/30/2022	582	No		Х		Ser	ies	Sei	ries		N/A	Rain gauge reading of 0.5 inches.
12/02/2022	584	No				Ser	ies	Sei	ries		Skimmed and fluffed FB2.	N/A
12/05/2022	587	No	Х			Ser	ies	Sei	ries	Х	N/A	N/A
12/07/2022	589	No				Ser	ies	Sei	ries		Skimmed and fluffed FB2 and performed inlet flush.	N/A
12/12/2022	594	No	Х			Ser	ies	Sei	ries	Х	N/A	N/A
12/14/2022	596	No		Х		Ser	ies	Sei	ries		N/A	N/A
12/15/2022	597	No				Ser	ies	Sei	ries		Skimmed and fluffed FB2.	Rain gauge reading of 0.9 inches. Cell is not bypassing but close.
12/16/2022	598	No			Х	Ser	ies	Sei	ries		N/A	9 inches of freeboard.
12/17/2022	599	No				Ser	ies	Sei	ries		N/A	9 inches of freeboard.
12/18/2022	600	No				Ser	ies	Sei	ries		N/A	6 inches of freeboard
12/19/2022	601	No	Х			Ser	ies	Sei	ries	Х	Skimmed and fluffed FB2.	N/A
12/22/2022	604	Yes				Ser	ies	Sei	ries		N/A	Rain gauge reading of 2 inches. Cell is flowing well.
12/23/2022	605	Yes				Ser	ies	Sei	ries		Skimmed and fluffed FB2.	Bypassing continues following rain event on 12/22.
												Flow-through cells modified to run in parallel as a result of continual bypass
12/24/2022	606	Yes				Ser	ies	Para	allel		N/A	following a rain event on 12/22.
12/27/2022	609	No	Х			Para	illel	Sei	ries	Х	Skimmed and fluffed FB1 and FB2.	Replaced string on effluent datalogger.
12/29/2022	611	No		Х		Ser	ies	Sei	ries		N/A	4.5 inches of freeboard.
12/30/2022	612	No				Ser			ries		Skimmed and fluffed FB2.	N/A

*Notes* FB1 - Filter Bed 1 FB2 - Filter Bed 2

GAC - granulated activated carbon N/A - Not Applicable

### Table 1bSummary of Operations and Maintenance Activities - Seep BReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville Works

Fayetteville, North Carolina

		Sampling Performed Operational Mode			Operatio	nal Mode						
	Days Since	Bypass Spillway	Breakthrough	Performance	Wet Weather	Ar	rival	Dep	arture	Transducers		
Date	Startup	Flow?	Monitoring	Monitoring	Monitoring	FB1	FB2	FB1	FB2	Downloaded	Maintenance Activities Completed	Notes
11/01/2022	512	No				Se	ries	Se	eries	Х	Cleaned FB1, in preparation of GAC changeout at FB2.	N/A
11/03/2022	514	No				Lag	Changeout	Se	eries		GAC changeout at FB2.	N/A
11/07/2022	518	No	Х			Se	ries	Se	eries	Х	N/A	N/A
11/09/2022	520	No				Se	ries	Se	eries		Cleaned FB1.	N/A
11/11/2022	522	No				Se	ries	Se	eries		N/A	Rain gauge reading of 1.45 inches.
11/12/2022	523	No			Х	Se	ries	Se	eries		Cleaned FB1.	Rain gauge reading of 1.75 inches.
11/14/2022	525	No	Х			Se	ries	Se	eries	Х	N/A	N/A
11/15/2022	526	No		Х		Se	ries	Se	eries		Skimmed and fluffed FB1.	4 inches of freeboard.
11/17/2022	528	No				Se	ries	Se	eries		Skimmed and fluffed FB1.	6 inches of freeboard.
11/21/2022	532	No	Х			Se	ries	Se	eries	Х	N/A	Started and stopped loggers to update firmware.
11/22/2022	533	No				Se	ries	Se	eries		Skimmed and fluffed FB1.	N/A
11/28/2022	539	No	Х			Se	ries	Se	eries	Х	N/A	N/A
11/30/2022	541	No		Х		Se	ries	Se	eries		Skimmed and fluffed FB1.	Rain gauge reading of 0.5 inches. High turbidity in reservoir.
12/05/2022	546	No	Х			Se	ries	Se	eries	Х	Skim and fluff FB1.	N/A
12/09/2022	550	No				Se	ries	Se	eries	Х	Skimmed and fluffed FB1	N/A
12/12/2022	553	No	Х			Se	ries	Se	eries	Х	N/A	N/A
12/13/2022	554	No				Se	ries	Se	eries		Skimmed and fluffed FB1.	N/A
12/14/2022	555	No		Х		Se	ries	Se	eries		N/A	N/A
12/15/2022	556	No				Se	ries	Se	eries		N/A	Rain gauge reading of 1 inch. 8 inches of freeboard
12/16/2022	557	No			Х	Se	ries	Se	eries		Skimmed and fluffed FB1.	6.5 inches of freeboard.
12/17/2022	558	No				Se	ries	Se	eries		N/A	8 inches of freeboard.
12/18/2022	559	No				Se	ries	Se	eries		N/A	5 inches of freeboard.
12/19/2022	560	No	Х			Se	ries	Se	eries	Х	Skimmed and fluffed FB1.	N/A
12/21/2022	562	No				Se	ries	Se	eries		Skimmed and fluffed FB1.	N/A
12/22/2022	563	Yes				Se	ries	Se	eries		N/A	Rain gauge reading of 1.5 inches. Cell is flowing well.
12/23/2022	564	Yes				Se	ries	Se	eries		Skimmed and fluffed FB1.	Bypass continues following a rain event on 12/22.
12/24/2022	565	Yes				Se	ries	Par	rallel		N/A	Reconfigured the cell to operate in parallel based on continued bypass following the rain event on 12/22.
12/26/2022	567	No				Par	allel	Closed	Lead	1 1	Cleaned FB2. FB1 did not drain properly and could not be serviced.	N/A
12/27/2022	568	No	Х			Closed	Lead		ries	Х	FB1 put back in service.	N/A
12/28/2022	569	No					ries	Closed	Lead		Skimmed and fluffed FB2.	N/A
12/29/2022	570	No		Х		Changeout	Lead		ries		GAC changeout FB1.	11 inches of freeboard.
12/30/2022	571	No				U	ries		eries		Skimmed and fluffed FB2.	N/A

Notes

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

#### Table 1c Summary of Operations and Maintenance Activities - Seep C **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works

Fayetteville, North Carolina

			Sa	ampling Perform	ed		Operation	nal Mode				
	Days Since	Bypass Spillway	Breakthrough	Performance	Wet Weather	Arri	val	Depa	rture	Transducers		
Date	Startup	Flow?	Monitoring	Monitoring	Monitoring	FB1	FB2	FB1	FB2	Downloaded	Maintenance Activities Completed	Notes
11/01/2022	686	No				Seri	es	Ser	ries	Х	N/A	N/A
11/07/2022	692	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
11/09/2022	694	No				Seri	es	Ser	ries		Cleaned FB2.	N/A
11/11/2022	696	Yes				Seri	es	Ser	ries		N/A	Rain gauge reading of 1.45 inches.
11/12/2022	697	Yes			Х	Seri	es	Ser	ries		Cleaned FB2.	Rain gauge reading of 1.75 inches.
11/14/2022	699	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
11/15/2022	700	No		Х		Seri	es	Ser	ries		Cleaned FB2.	3 inches of freeboard.
11/17/2022	702	No				Seri	es	Ser	ries		N/A	N/A
11/18/2022	703	No				Seri	es	Ser	ries		Skimmed and fluffed FB2.	2.5 inches of freeboard pre-service.
11/21/2022	706	No	Х			Seri	es	Ser	ries	Х	N/A	Started and stopped loggers to update firmware.
11/22/2022	707	No				Seri	es	Ser	ries		Skimmed and fluffed FB1 and FB2.	4 inches of freeboard. Highly turbid inlet waters.
11/28/2022	713	No	Х			Seri	es	Ser	ries	Х	Skimmed and fluffed FB2.	4 inches of freeboard.
11/30/2022	715	No		Х		Seri	es	Ser	ries		N/A	Rain gauge reading of 0.5 inches. Cell is close to bypassing.
12/01/2022	716	No				Seri	es	Ser	ries		Skimmed and fluffed FB2	5 inches of freeboard.
12/05/2022	720	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
12/08/2022	723	No				Seri	es	Ser	ries	Х	Skimmed and fluffed FB2	N/A
12/12/2022	727	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
12/13/2022	728	No				Seri	es	Lead	Closed		Skimmed and fluffed FB1.	FB1 sole processing overnight so FB2 could drain.
12/14/2022	729	No		Х		Lead	Changeout	Ser	ries		GAC changeout FB2.	Aliquots 7-18 in PM sample missed because tubing curled up out of water.
12/15/2022	730	Yes				Seri	es	Ser	ries		N/A	Rain gauge reading of 1 1/8 inch. Bypass following rain event. High turbidity post-storm.
12/16/2022	731	No			Х	Seri	es	Ser	ries		Skimmed and fluffed FB2.	0 inches of freeboard.
12/17/2022	732	No				Seri	es	Ser	ries		N/A	7 inches of freeboard.
12/18/2022	733	No				Seri	es	Ser	ries		N/A	7.5 inches of freeboard.
12/19/2022	734	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
12/20/2022	735	No				Seri	es	Ser	ries		Skimmed and fluffed FB1.	N/A
12/22/2022	737	Yes				Seri	es	Ser	ries		N/A	Rain gauge reading of 1.5 inches. Cells is flowing well.
12/23/2022	738	Yes				Seri	es	Ser	ries		Skimmed and fluffed FB1	Bypass continues following rain event on 12/22.
12/27/2022	742	No	Х			Seri	es	Ser	ries	Х	N/A	N/A
12/29/2022	744	No		Х		Seri	es	Ser	ries		Skimmed and fluffed FB2.	6.5 inches of freeboard.

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

### Table 1dSummary of Operations and Maintenance Activities - Seep DReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville Works

Fayetteville, North Carolina

		D	Sa	mpling Perform	ed	Operati	onal Mode			
	Days Since	Bypass Spillway	Breakthrough	Performance	Wet Weather	Arrival	Departure	Transducers		
Date	Startup	Flow?	8	Monitoring		FB1 FB2	FB1 FB2	Downloaded	Maintenance Activities Completed	Notes
11/01/2022	496	No				Series	Series	Х	N/A	N/A
11/02/2022	497	No				Series	Series		Cleaned FB2.	N/A
11/07/2022	502	No	Х			Series	Series	Х	N/A	N/A
11/08/2022	503	No				Series	Series		Skimmed and fluffed FB2.	10 inches of freeboard.
11/11/2022	506	No				Series	Series		N/A	N/A
11/12/2022	507	No			Х	Series	Series		N/A	N/A
11/14/2022	509	No	Х			Series	Series	Х	Cleaned, skimmed, and fluffed FB2.	3 inches of freeboard.
11/15/2022	510	No		Х		Series	Series		N/A	N/A
11/17/2022	512	No				Series	Series		Skimmed and fluffed FB2.	8 inches of freeboard.
11/21/2022	516	No	Х			Series	Series	Х	N/A	Paused datalogger to update firmware.
11/23/2022	518	No				Series	Series		Skimmed and fluffed FB2.	N/A
11/28/2022	523	No	Х			Series	Series	Х	N/A	N/A
11/30/2022	525	No		Х		Series	Series		Skimmed and fluffed FB2.	5 inches of freeboard. Rain gauge reading of 0.5 inches.
12/02/2022	527	No				Series	Series		Skimmed and fluffed FB2.	5 inches of freeboard.
12/05/2022	530	No	Х			Series	Series	Х	Biocide was applied.	6 inches of freeboard.
12/06/2022	531	No				Series	Series		Skimmed and fluffed FB2. Flushed inlet chamber.	Dropped Weir 1.
12/12/2022	537	No	Х			Series	Series	Х	N/A	N/A
12/14/2022	539	No		Х		Series	Series		N/A	N/A
12/15/2022	540	No				Series	Series		Skimmed and fluffed FB2.	Rain gauge reading of 0.9 inches.
12/16/2022	541	No			Х	Series	Series		N/A	8.5 inches of freeboard.
12/17/2022	542	No				Series	Series		N/A	9.5 inches of freeboard.
12/18/2022	543	No				Series	Series		N/A	9.5 inches of freeboard.
12/19/2022	544	No	Х			Series	Series	Х	N/A	N/A
12/20/2022	545	No				Series	Series		Removed leaves out of the mid-basin. Skimmed and fluffed FB2.	N/A
12/22/2022	547	No				Series	Series		N/A	Rain gauge reading of 1.5 inches.
12/23/2022	548	No				Series	Series		Skimmed and fluffed FB1.	12.5 inches of freeboard.
12/27/2022	552	No	Х			Series	Series	Х	N/A	N/A
12/29/2022	554	No		Х		Series	Series		Skimmed and fluffed FB2.	9 inches of freeboard.

Notes

FB1 - Filter Bed 1 FB2 - Filter Bed 2

GAC - granulated activated carbon

N/A - Not Applicable

# Table 2aSampling Summary - Seep AReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville WorksFayetteville, North Carolina

#### **Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-A-INFLUENT-336-111522 SEEP-A-EFFLUENT-336-111522	November 1 - November 15, 2022	November 15, 2022
SEEP-A-INFLUENT-336-113022 SEEP-A-EFFLUENT-336-113022	November 16 - November 30, 2022	November 30, 2022
SEEP-A-INFLUENT-336-121422 SEEP-A-EFFLUENT-336-121422	December 1 - December 14, 2022	December 14, 2022
SEEP-A-INFLUENT-336-122922 SEEP-A-EFFLUENT-336-122922	December 15 - December 29, 2022	December 29, 2022

#### Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-A-INFLUENT-RAIN-24-111222 SEEP-A-EFFLUENT-RAIN-24-111222	November 12, 2022	06:54	1.62
SEEP-A-INFLUENT-RAIN-24-121622 SEEP-A-EFFLUENT-RAIN-24-121622	December 16, 2022	07:13	0.90

Notes

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

# Table 2bSampling Summary - Seep BReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville WorksFayetteville, North Carolina

#### **Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-B-INFLUENT-336-111522 SEEP-B-EFFLUENT-336-111522	November 1 - November 15, 2022	November 15, 2022
SEEP-B-INFLUENT-336-113022 SEEP-B-EFFLUENT-336-113022	November 16 - November 30, 2022	November 30, 2022
SEEP-B-INFLUENT-336-121422 SEEP-B-EFFLUENT-240-121422	December 1 - December 14, 2022	December 14, 2022
SEEP-B-INFLUENT-336-122922 SEEP-B-EFFLUENT-336-122922	December 15 - December 29, 2022	December 29, 2022

#### Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-B-INFLUENT-RAIN-24-111222 SEEP-B-EFFLUENT-RAIN-24-111222	November 12, 2022	07:52	1.62
SEEP-B-INFLUENT-RAIN-24-121622 SEEP-B-EFFLUENT-RAIN-24-121622	December 16, 2022	07:19	0.90

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 B effluent malfunctioned during the runtime of the sample collected on December 14, interrupting the collection of aliquots in the 14-day composite.

# Table 2cSampling Summary - Seep CReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville WorksFayetteville, North Carolina

#### **Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-C-INFLUENT-336-111522 SEEP-C-EFFLUENT-336-111522	November 1 - November 15, 2022	November 15, 2022
SEEP-C-INFLUENT-336-113022 SEEP-C-EFFLUENT-336-113022	November 16 - November 30, 2022	November 30, 2022
SEEP-C-INFLUENT-264-121422 SEEP-C-EFFLUENT-336-121422	December 1 - December 14, 2022	December 14, 2022
SEEP-C-INFLUENT-330-122922 SEEP-C-EFFLUENT-324-122922	December 15 - December 29, 2022	December 29, 2022

#### Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-C-INFLUENT-RAIN-24-111222 SEEP-C-EFFLUENT-RAIN-24-111222	November 12, 2022	07:57	1.62
SEEP-C-INFLUENT-RAIN-24-121622 SEEP-C-EFFLUENT-RAIN-24-121622	December 16, 2022	07:44	0.90

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 C influent malfunctioned during the runtime of the sample collected on December 14, interrupting the collection of aliquots in the 14-day composite. A similar operational malfunction of the Seep C effluent ISCO autosampler caused an interruption to the December 29 performance monitoring sample collection.

# Table 2dSampling Summary - Seep DReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville WorksFayetteville, North Carolina

#### **Performance Monitoring Composite Samples**

Sample ID	Composite Period	Sample Date
SEEP-D-INFLUENT-336-111522 SEEP-D-EFFLUENT-336-111522	November 1 - November 15, 2022	November 15, 2022
SEEP-D-INFLUENT-336-113022 SEEP-D-EFFLUENT-336-113022	November 16 - November 30, 2022	November 30, 2022
SEEP-D-INFLUENT-336-121422 SEEP-D-EFFLUENT-336-121422	December 1 - December 14, 2022	December 14, 2022
SEEP-D-INFLUENT-324-122922 SEEP-D-EFFLUENT-336-122922	December 15 - December 29, 2022	December 29, 2022

#### Wet Weather Composite Sample

Sample ID	Sample Date	Sample Time	Cumulative Rainfall (inches)
SEEP-D-INFLUENT-RAIN-24-111222 SEEP-D-EFFLUENT-RAIN-24-111222	November 12, 2022	07:57	1.62
SEEP-D-INFLUENT-RAIN-24-121622 SEEP-D-EFFLUENT-RAIN-24-121622	December 16, 2022	07:21	0.90

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 D influent malfunctioned during the runtime of the sample collected on December 29, interrupting the collection of aliquots in the 14-day composite.

### Table 3a Summary of Performance Monitoring Analytical Results - Seep A Reporting Period 12 (Nov - Dec 2022) Chemours Fayetteville Works

Fayetteville, NC

Table 3 + SOP (ng/L)	SEEP-A-INFLUENT- 336-111522 Sample Date: 15-Nov-22	SEEP-A-EFFLUENT 336-111522 Sample Date: 15-Nov-22	Percent Removal	SEEP-A-INFLUENT 336-113022 Sample Date: 30-Nov-22	SEEP-A-EFFLUENT- 336-113022 Sample Date: 30-Nov-22	Percent Removal	SEEP-A-INFLUENT 336-121422 Sample Date: 14-Dec-22	SEEP-A-EFFLUENT 336-121422 Sample Date: 14-Dec-22	Percent Removal	SEEP-A-INFLUENT 336-122922 Sample Date: 29-Dec-22	- SEEP-A-EFFLUENT- 336-122922 Sample Date: 29-Dec-22	Percent Removal
Hfpo Dimer Acid	22.000	3.3	>99.9%	22.000	6.9	>99.9%	22.000	4.3	>99.9%	20.000	2.7	>99.9%
PFMOAA	75,000	20	>99.9%	66.000	63 J	99.9%	88.000	4.5	>99.9%	69.000	5.8	>99.9%
PFO2HxA	38.000	8.6	>99.9%	36.000	15	>99.9%	45.000	7.2	>99.9%	33.000	3.0	>99.9%
PFO3OA	10.000	<2.0	100.0%	11,000 J	<2.0	100.0%	13,000	<2.0	100.0%	9,300	<2.0	100.0%
PFO4DA	5,400	<2.0	100.0%	6,100	<2.0	100.0%	6,600	<2.0	100.0%	4,900	<2.0	100.0%
PFO5DA	2,700	<2.0	100.0%	3,400	<2.0	100.0%	3,400	<2.0	100.0%	2.600	<2.0	100.0%
PMPA	11,000	<10	100.0%	14,000	<10	100.0%	16,000	<10	100.0%	12,000	<10	100.0%
PEPA	3,700	<20	100.0%	5,200	<20	100.0%	5,800	<20	100.0%	4,200	<20	100.0%
PS Acid	2,100	<2.0	100.0%	2,400	<2.0	100.0%	2,800	<2.0	100.0%	2,500	<2.0	100.0%
Hydro-PS Acid	1,100	<2.0	100.0%	1,400	<2.0	100.0%	1,500	<2.0	100.0%	930	<2.0	100.0%
R-PSDA	1,900 J	<2.0	100.0%	2,300 J	<2.0	100.0%	2,300 J	<2.0	100.0%	1,700 J	<2.0	100.0%
Hydrolyzed PSDA	19,000 J	<2.0	100.0%	29,000 J	6.1 J	>99.9%	24,000 J	<2.0	100.0%	17,000 J	<2.0	100.0%
R-PSDCA	<170	<2.0	100.0%	40	<2.0	100.0%	<87	<2.0	100.0%	33	<2.0	100.0%
NVHOS, Acid Form	1,000	<2.0	100.0%	1,200	<2.0	100.0%	1,200	<2.0	100.0%	870	<2.0	100.0%
EVE Acid	200	<2.0	100.0%	210	<2.0	100.0%	290	<2.0	100.0%	270	<2.0	100.0%
Hydro-EVE Acid	1,100	<2.0	100.0%	1,500	<2.0	100.0%	1,600	<2.0	100.0%	1,100	<2.0	100.0%
R-EVE	<720	<2.0	100.0%	960 J	<2.0	100.0%	1,200 J	<2.0	100.0%	750 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<67	<2.0	100.0%	<6.7	<2.0	100.0%	<34	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<270	<2.0	100.0%	<27	<2.0	100.0%	<130	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<480	<2.0	100.0%	<48	<2.0	100.0%	<240	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds) <sup>1,2</sup>	170,000	32	>99.9%	170,000	85	>99.9%	210,000	23	>99.9%	160,000	12	>99.9%
Total Table 3+ (20 compounds) <sup>1</sup>	190,000	32	>99.9%	200,000	91	>99.9%	230,000	23	>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.

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

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

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

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

### Table 3b Summary of Performance Monitoring Analytical Results - Seep B Reporting Period 12 (Nov - Dec 2022) Chemours Fayetteville Works

Fayetteville, NC

	SEEP-B-INFLUENT- 336-111522 Sample Date: 15-Nov-22	SEEP-B-EFFLUENT- 336-111522 Sample Date: 15-Nov-22	Percent Removal	SEEP-B-INFLUENT 336-113022 Sample Date: 30-Nov-22	- SEEP-B-EFFLUENT- 336-113022 Sample Date: 30-Nov-22	Percent Removal	SEEP-B-INFLUENT 336-121422 Sample Date: 14-Dec-22	- SEEP-B-EFFLUENT- 240-121422 Sample Date: 14-Dec-22	Percent Removal	SEEP-B-INFLUENT 336-122922 Sample Date: 29-Dec-22	- SEEP-B-EFFLUENT- 336-122922 Sample Date: 29-Dec-22	Percent Removal
Table $3 + SOP (ng/L)$												
Hfpo Dimer Acid	26,000	6	>99.9%	17,000	2.5	>99.9%	16,000	<2.0	100.0%	19,000	54	99.7%
PFMOAA	200,000	<2.0	100.0%	120,000	110	99.9%	140,000	17	>99.9%	86,000	150	99.8%
PFO2HxA	70,000	21	>99.9%	46,000	9.9	>99.9%	46,000	5.3	>99.9%	33,000	62	99.8%
PFO3OA	16,000	<2.0	100.0%	9,700	<2.0	100.0%	9,700	<2.0	100.0%	6,600	13	99.8%
PFO4DA	3,200	<2.0	100.0%	1,600	<2.0	100.0%	1,500	<2.0	100.0%	1,200	2.6	99.8%
PFO5DA	<780	<2.0	100.0%	<78	<2.0	100.0%	<390	<2.0	100.0%	130	<2.0	100.0%
PMPA	25,000	15	99.9%	22,000	14	99.9%	20,000	<10	100.0%	22,000	62	99.7%
PEPA	8,200	<20	100.0%	6,800	<20	100.0%	6,300	<20	100.0%	9,800	28	99.7%
PS Acid	690	<2.0	100.0%	130	<2.0	100.0%	<98	<2.0	100.0%	280	<2.0	100.0%
Hydro-PS Acid	840	<2.0	100.0%	550	<2.0	100.0%	500	<2.0	100.0%	510	<2.0	100.0%
R-PSDA	3,300 J	<2.0	100.0%	2,300 J	<2.0	100.0%	2,200 J	<2.0	100.0%	2,200 J	<2.0	100.0%
Hydrolyzed PSDA	29,000 J	<2.0	100.0%	26,000 J	<2.0	100.0%	19,000 J	<2.0	100.0%	19,000 J	52 J	99.7%
R-PSDCA	<170	<2.0	100.0%	22	<2.0	100.0%	<87	<2.0	100.0%	26	<2.0	100.0%
NVHOS, Acid Form	2,900	<2.0	100.0%	2,000	<2.0	100.0%	1,800	<2.0	100.0%	1,700	3.9	99.8%
EVE Acid	<170	<2.0	100.0%	<17	<2.0	100.0%	<87	<2.0	100.0%	150	<2.0	100.0%
Hydro-EVE Acid	1,100	<2.0	100.0%	890	<2.0	100.0%	880	<2.0	100.0%	1,100	3.4	99.7%
R-EVE	1,200 J	<2.0	100.0%	1,100 J	<2.0	100.0%	910 J	<2.0	100.0%	1,500 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<67	<2.0	100.0%	<6.7	<2.0	100.0%	<34	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<270	<2.0	100.0%	<27	<2.0	100.0%	<130	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<480	<2.0	100.0%	<48	<2.0	100.0%	<240	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 compounds) <sup>1,2</sup>	350,000	42	>99.9%	230,000	140	99.9%	240,000	22	>99.9%	180,000	380	99.8%
Total Table 3+ (20 compounds) <sup>1</sup>	390,000	42	>99.9%	260,000	140	>99.9%	260,000	22	>99.9%	200,000	430	99.8%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

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

### Table 3c Summary of Performance Monitoring Analytical Results - Seep C Reporting Period 12 (Nov - Dec 2022) Chemours Fayetteville Works

Fayetteville, NC

	SEEP-C-INFLUENT 336-111522 Sample Date: 15-Nov-22	SEEP-C-EFFLUENT 336-111522 Sample Date: 15-Nov-22	Percent Removal	SEEP-C-INFLUENT 336-113022 Sample Date: 30-Nov-22	-SEEP-C-EFFLUENT- 336-113022 Sample Date: 30-Nov-22	Percent Removal	SEEP-C-INFLUENT 264-121422 Sample Date: 14-Dec-22	- SEEP-C-EFFLUENT- 336-121422 Sample Date: 14-Dec-22	Percent Removal	SEEP-C-INFLUENT 330-122922 Sample Date: 29-Dec-22	- SEEP-C-EFFLUENT- 324-122922 Sample Date: 29-Dec-22	Percent Removal
Table 3 + SOP (ng/ L)       Hfpo Dimer Acid	25,000	6.9	>99.9%	18,000	14	99.9%	19,000	5.6	>99.9%	15.000	3.5	>99.9%
PFMOAA	73,000	62	<u>&gt;99.9%</u> 99.9%	47.000	39	99.9%	57,000	5.6	>99.9%	41.000	3.5 27	<u>&gt;99.9%</u> 99.9%
PFO2HxA	32,000	18	99.9%	25,000	16	99.9%	28,000	9.4	>99.9%	22.000	6.9	>99.9%
PFO3OA	8,100	<2.0	100.0%	6.800	<2.0	100.0%	7,800	<2.0	100.0%	5,900	<2.0	100.0%
PFO4DA	3,000	<2.0	100.0%	2.600	<2.0	100.0%	2,800	<2.0	100.0%	2,400	<2.0	100.0%
PFO5DA	<78	<2.0	100.0%	82	<2.0	100.0%	82	<2.0	100.0%	<78	<2.0	100.0%
PMPA	9.000	<10	100.0%	8,600	<10	100.0%	8,800	<10	100.0%	7.700	<10	100.0%
PEPA	2,600	<20	100.0%	2,800	<20	100.0%	2,700	<20	100.0%	2.400	<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%
Hvdro-PS Acid	480	<2.0	100.0%	420	<2.0	100.0%	410	<2.0	100.0%	360	<2.0	100.0%
R-PSDA	960 J	<2.0	100.0%	780 J	<2.0	93.0%	850 J	<2.0	93.0%	710 J	<2.0	93.0%
Hydrolyzed PSDA	1,200 J	<2.0	100.0%	1,300 J	<2.0	100.0%	1,100 J	<2.0	100.0%	720 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	860	<2.0	100.0%	760	<2.0	100.0%	710	<2.0	100.0%	560	<2.0	100.0%
EVE Acid	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	1,500	<2.0	100.0%	1,600	<2.0	100.0%	1,600	<2.0	100.0%	1,300	<2.0	100.0%
R-EVE	720 J	<2.0	100.0%	960 J	<2.0	100.0%	900 J	<2.0	100.0%	710 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<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) <sup>1,2</sup>	160,000	87	>99.9%	110,000	69	99.9%	130,000	27	>99.9%	99,000	37	>99.9%
Total Table 3+ (20 compounds) <sup>1</sup>	160,000	87	>99.9%	120,000	69	99.9%	130,000	27	>99.9%	100,000	37	>99.9%

Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

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

### Table 3d Summary of Performance Monitoring Analytical Results - Seep D Reporting Period 12 (Nov - Dec 2022) Chemours Fayetteville Works

Fayetteville, NC

	SEEP-D-INFLUENT 336-111522 Sample Date: 15-Nov-22	SEEP-D-EFFLUENT- 336-111522 Sample Date: 15-Nov-22	Percent Removal	SEEP-D-INFLUENT 336-113022 Sample Date: 30-Nov-22	-SEEP-D-EFFLUENT- 336-113022 Sample Date: 30-Nov-22	Percent Removal	SEEP-D-INFLUENT 336-121422 Sample Date: 14-Dec-22	- SEEP-D-EFFLUENT- 336-121422 Sample Date: 14-Dec-22	Percent Removal	SEEP-D-INFLUENT 324-122922 Sample Date: 29-Dec-22	- SEEP-D-EFFLUENT- 336-122922 Sample Date: 29-Dec-22	Percent Removal
$\frac{Table \ 3 + SOP \ (ng/L)}{L}$	12,000	<2.0	100.0%	17.000	<2.0	100.0%	<81	<2.0	100.0%	13,000	<2.0	100.0%
Hfpo Dimer Acid PFMOAA	37,000	<2.0	100.0%	46.000	<2.0 <2.0	100.0%	<81 <80	<2.0 <2.0 UJ	100.0%	52,000	<2.0 7.4	>99.9%
PFMOAA PFO2HxA	<u> </u>	<2.0 2.1	>99.9%	22.000	<2.0	100.0%	<80	<2.0 UJ <2.0	100.0%	22,000	<2.0	299.9%
PFO3OA	4,100	<2.0	100.0%	6,000	<2.0	100.0%	<39	<2.0	100.0%	5,800	<2.0	100.0%
PFO4DA	4,100	<2.0	100.0%	2,100	<2.0	100.0%	<59	<2.0	100.0%	1,900	<2.0	100.0%
PFO5DA	<78	<2.0	100.0%	150	<2.0	100.0%	<78	<2.0 UJ	100.0%	<78	<2.0	100.0%
PMPA	3,600	<10	100.0%	6,200	<10	100.0%	<620	<10 UJ	100.0%	5,700	<10	100.0%
PEPA	1,200	<20	100.0%	2,100	<10	100.0%	<020	<10 UJ	100.0%	2,000	<10	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	210	<2.0	100.0%	350	<2.0	100.0%	<6.1	<2.0	100.0%	260	<2.0	100.0%
R-PSDA	460 J	<2.0	100.0%	850 J	<2.0	100.0%	<71	<2.0 UJ	100.0%	200 700 J	<2.0	100.0%
Hydrolyzed PSDA	1,000 J	<2.0	100.0%	2.000 J	<2.0	100.0%	<38	<2.0 UJ	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	450	<2.0	100.0%	760	<2.0	100.0%	<15	<2.0 UJ	100.0%	550	<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	700	<2.0	100.0%	1,400	<2.0	100.0%	<14	<2.0	100.0%	1,100	<2.0	100.0%
R-EVE	400 J	<2.0	100.0%	820 J	<2.0	100.0%	<72	<2.0 UJ	100.0%	710 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<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%
Fotal Table 3+ (17 compounds) <sup>1,2</sup>	77,000	2.1	>99.9%	100,000	ND	>99.9%	ND	ND	>99.9%	100,000	7.4	>99.9%
Fotal Table 3+ (20 compounds) <sup>1</sup>	79,000	2.1	>99.9%	110,000	ND	>99.9%	ND	ND	>99.9%	110.000	7.4	>99.9%

#### Notes

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

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

Bold - Analyte detected above associated reporting limit.

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

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

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

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

## Table 4aSummary of Wet Weather Analytical Results - Seep AReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville, NC

	SEEP-A-INFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	SEEP-A-EFFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	Percent Removal	SEEP-A-INFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	SEEP-A-EFFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	Percent Removal
Table 3+ SOP (ng/L)						
Hfpo Dimer Acid	15,000 J	3.5	>99.9%	17,000	2.0	>99.9%
PFMOAA	50,000 J	48	99.9%	62,000 J	16	>99.9%
PFO2HxA	24,000 J	10	>99.9%	28,000	3.7	>99.9%
PFO3OA	5,700 J	<2.0	100.0%	7,300	<2.0	100.0%
PFO4DA	2,800 J	<2.0	100.0%	3,500	<2.0	100.0%
PFO5DA	920 J	<2.0	100.0%	1,200	<2.0	100.0%
PMPA	8,000 J	<10	100.0%	11,000	<10	100.0%
PEPA	2,500 J	<20	100.0%	4,200	<20	100.0%
PS Acid	1,500 J	<2.0	100.0%	2,100	<2.0	100.0%
Hydro-PS Acid	610 J	<2.0	100.0%	720	<2.0	100.0%
R-PSDA	1,000 J	<2.0	100.0%	1,500 J	<2.0	100.0%
Hydrolyzed PSDA	10,000 J	<2.0	100.0%	14,000 J	<2.0	100.0%
R-PSDCA	<17 UJ	<2.0	100.0%	24	<2.0	100.0%
NVHOS, Acid Form	660 J	<2.0	100.0%	830	<2.0	100.0%
EVE Acid	150 J	<2.0	100.0%	220	<2.0	100.0%
Hydro-EVE Acid	600 J	<2.0	100.0%	820	<2.0	100.0%
R-EVE	410 J	<2.0	100.0%	610 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7 UJ	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27 UJ	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48 UJ	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) <sup>1,2</sup>	110,000	62	99.9%	140,000	22	>99.9%
Total Table 3+ (20 Compounds) <sup>1</sup>	120,000	62	>99.9%	160,000	22	>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

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 4bSummary of Wet Weather Analytical Results - Seep BReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville, NC

	SEEP-B-INFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	SEEP-B-EFFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	Percent Removal	SEEP-B-INFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	SEEP-B-EFFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	Percent Removal
Table 3+ SOP (ng/L)						
Hfpo Dimer Acid	14,000 J	4.4	>99.9%	25,000	6.7	>99.9%
PFMOAA	120,000 J	90	99.9%	120,000	44	>99.9%
PFO2HxA	38,000 J	13	>99.9%	39,000	12	>99.9%
PFO3OA	7,800 J	<2.0	100.0%	8,000	<2.0	100.0%
PFO4DA	1,300 J	<2.0	100.0%	1,300	<2.0	100.0%
PFO5DA	<78 UJ	<2.0	100.0%	<390	<2.0	100.0%
PMPA	16,000 J	<10	100.0%	27,000	<10	100.0%
PEPA	4,900 J	<20	100.0%	12,000	<20	100.0%
PS Acid	150 J	<2.0	100.0%	170	<2.0	100.0%
Hydro-PS Acid	410 J	<2.0	100.0%	580	<2.0	100.0%
R-PSDA	1,800 J	<2.0	100.0%	3,400 J	<2.0	100.0%
Hydrolyzed PSDA	19,000 J	<2.0	100.0%	26,000 J	<2.0	100.0%
R-PSDCA	<17 UJ	<2.0	100.0%	<87	<2.0	100.0%
NVHOS, Acid Form	1,500 J	<2.0	100.0%	2,400	<2.0	100.0%
EVE Acid	17 J	<2.0	100.0%	110	<2.0	100.0%
Hydro-EVE Acid	600 J	<2.0	100.0%	1,300	<2.0	100.0%
R-EVE	610 J	<2.0	100.0%	1,900 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7 UJ	<2.0	100.0%	<34	<2.0	100.0%
PFECA B	<27 UJ	<2.0	100.0%	<130	<2.0	100.0%
PFECA-G	<48 UJ	<2.0	100.0%	<240	<2.0	100.0%
Total Table 3+ (17 Compounds) <sup>1,2</sup>	200,000	110	>99.9%	240,000	63	>99.9%
Total Table 3+ (20 Compounds) <sup>1</sup>	230,000	110	>99.9%	270,000	63	>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

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 4cSummary of Wet Weather Analytical Results - Seep CReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville, NC

	SEEP-C-INFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	SEEP-C-EFFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	Percent Removal	SEEP-C-INFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	SEEP-C-EFFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	Percent Removal
Table 3+ SOP (ng/L)	16 000 I		> 00 00/	16,000	( 7	> 00 00/
Hfpo Dimer Acid	16,000 J	6.5	>99.9%	16,000	6.7	>99.9%
PFMOAA	68,000 J	49	99.9%	45,000	44	99.9%
PFO2HxA	26,000 J	18	99.9%	19,000	12	99.9%
PFO3OA	6,200 J	3.1	>99.9%	5,300	<2.0	100.0%
PFO4DA	2,000 J	<2.0	100.0%	1,800	<2.0	100.0%
PFO5DA	<78 UJ	<2.0	100.0%	<78	<2.0	100.0%
PMPA	8,800 J	<10	100.0%	6,700	<10	100.0%
PEPA	2,600 J	<20	100.0%	2,100	<20	100.0%
PS Acid	<20 UJ	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	350 J	<2.0	100.0%	330	<2.0	100.0%
R-PSDA	850 J	<2.0	100.0%	740 J	<2.0	100.0%
Hydrolyzed PSDA	4,500 J	2.4 J	>99.9%	790 J	<2.0	100.0%
R-PSDCA	<17 UJ	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	820 J	<2.0	100.0%	580	<2.0	100.0%
EVE Acid	<17 UJ	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	1,000 J	<2.0	100.0%	1,200	<2.0	100.0%
R-EVE	530 J	<2.0	100.0%	620 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7 UJ	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27 UJ	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48 UJ	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) <sup>1,2</sup>	130,000	77	99.9%	98,000	63	99.9%
Total Table 3+ (20 Compounds) <sup>1</sup>	140,000	79	99.9%	100,000	63	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

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 4dSummary of Wet Weather Analytical Results - Seep DReporting Period 12 (Nov - Dec 2022)Chemours Fayetteville WorksFayetteville, NC

	SEEP-D-INFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	SEEP-D-EFFLUENT- RAIN-24-111222 Sample Date: 12-Nov-22	Percent Removal	SEEP-D-INFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	SEEP-D-EFFLUENT- RAIN-24-121622 Sample Date: 16-Dec-22	Percent Removal
Table 3+ SOP (ng/L)						
Hfpo Dimer Acid	17,000 J	<2.0	100.0%	16,000	<2.0	100.0%
PFMOAA	56,000 J	<2.0	100.0%	55,000	<2.0	100.0%
PFO2HxA	24,000 J	<2.0	100.0%	22,000	<2.0	100.0%
PFO3OA	5,900 J	<2.0	100.0%	5,700	<2.0	100.0%
PFO4DA	1,900 J	<2.0	100.0%	1,700	<2.0	100.0%
PFO5DA	<78 UJ	<2.0	100.0%	120	<2.0	100.0%
PMPA	5,700 J	<10	100.0%	6,000	<10	100.0%
PEPA	1,900 J	<20	100.0%	2,000	<20	100.0%
PS Acid	<20 UJ	<2.0	100.0%	<20	<2.0	100.0%
Hydro-PS Acid	280 J	<2.0	100.0%	310	<2.0	100.0%
R-PSDA	720 J	<2.0	100.0%	820 J	<2.0	100.0%
Hydrolyzed PSDA	1,600 J	<2.0	100.0%	1,800 J	<2.0	100.0%
R-PSDCA	<17 UJ	<2.0	100.0%	<17	<2.0	100.0%
NVHOS, Acid Form	690 J	<2.0	100.0%	660	<2.0	100.0%
EVE Acid	<17 UJ	<2.0	100.0%	<17	<2.0	100.0%
Hydro-EVE Acid	980 J	<2.0	100.0%	1,100	<2.0	100.0%
R-EVE	560 J	<2.0	100.0%	680 J	<2.0	100.0%
Perfluoro(2-ethoxyethane)sulfonic Acid	<6.7 UJ	<2.0	100.0%	<6.7	<2.0	100.0%
PFECA B	<27 UJ	<2.0	100.0%	<27	<2.0	100.0%
PFECA-G	<48 UJ	<2.0	100.0%	<48	<2.0	100.0%
Total Table 3+ (17 Compounds) <sup>1,2</sup>	110,000	ND	>99.9%	110,000	ND	>99.9%
Total Table 3+ (20 Compounds) <sup>1</sup>	120,000	ND	>99.9%	110,000	ND	>99.9%

Notes:

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

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

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

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

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

NA - Constituent not analyzed

ng/L - nanograms per liter

SOP - standard operating procedure

< - Analyte not detected above associated reporting limit.

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

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

### Table 5 Cape Fear River Elevation and Local Precipitation Statistics Reporting Period 12 (Nov - Dec 2022) Chemours Fayetteville Works Fayetteville, NC

	" CD C	Р	Percent of Operation Over Lifetime of System <sup>[2]</sup>							
Seep	# of Days of Operation on Record	River Above FTC Wall Elevation	River Above Bypass Spillway Elevation	River Above GAC Elevation	River Above Discharge Pipe Invert Elevation					
С	746	1.9%	2.5%	4.7%	11.1%					
А	613	0.4%	0.5%	1.1%	2.7%					
В	572	0.4%	0.5%	0.8%	2.1%					
D	556	0.5%	0.5%	1.2%	3.1%					
Historical Annual Ave	Historical Annual Average (2007-2020) <sup>[3,4]</sup>		2.2%	3.7%	9.6%					

Precipitation (inches)	
Current Reporting Period (November - December 2022)	4.94
Current Reporting Period Historical Average (November - December 2004-2020) <sup>[4]</sup>	7.50
2022 Year-to-Date	31.81
Historical Year-to-Date Average (2004-2020) <sup>[4]</sup>	43.44
Historical Annual Average (2004-2020) <sup>[4]</sup>	43.44

Notes

1 River elevation and precipitation data obtained from the USGS gauge #02105500 at the William O. Huske Lock and Dam.

2 Operational period for river flooding statistics includes the entire lifetime of the system for each seep.

3 For clarity of presentation, historical river flooding averages based on Seep C elevations only.

4 The historical average was calculated using available data when the Huske rain gauge was operable.

## Table 6a Water Quality Data - Seep A **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)		Specific Conductance (µS/cm)		Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)				
2	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
11/15/2022	3.2	3.6	0.4	5.6	5.1	-0.5	NM	170	NA	17	17	0	72.02	32.45	-39.57	6.8	<4	-6.8
11/30/2022	5.7	7.7	2.0	6.8	8.5	1.7	170	151	-19	14	13	-1	18.58	0.01	-18.57	12	<4	-12.0
12/14/2022	7.4	7.6	0.2	6.2	6.5	0.3	192	252	60	16	16	0	204.23	71.20	-133.03	96	<4	-96.0
12/29/2022	11.7	10.7	-1.0	6.7	6.9	0.2	14	447	433	7	6	-1	82.17	4.17	-78.00	6.8	<1.1	-6.8
Average	7.0	7.4	0.4	6.3	6.8	0.5	125.4	254.8	129.4	13.2	13.0	-0.2	94.3	27.0	-67.3	30.4	0.0	-30.4
Median	6.5	7.6	1.1	6.5	6.7	0.2	170.3	210.9	40.6	14.8	14.5	-0.3	77.1	18.3	-58.8	9.4	0.0	-9.4

Notes:

TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples. [1]

[2] DO Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.

dissolved oxygen

milligrams per liter

mg/L SU standard units

NTU nephelometric turbidity units

 $\mu S/cm$ microSiemens per centimeter

TSS total suspended solids

NM not measured

NA not applicable

## Table 6b Water Quality Data - Seep B **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)		Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)			
2	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
11/15/2022	11.4	9.0	-2.4	6.9	6.5	-0.4	NM	NM	NM	15	16	1	35.67	1.07	-34.60	13	<4	-13.0
11/30/2022	8.7	8.2	-0.5	6.6	7.1	0.5	125	120	-5	12	13	1	5.44	0.03	-5.41	3.2	<4	-3.2
12/14/2022	9.4	8.3	-1.1	7.3	6.8	-0.5	663	181	-482	17	16	-1	662.86	180.52	-482.34	110	3.6	-106.4
12/29/2022	10.0	8.5	-1.5	6.3	6.4	0.1	147	98	-49	13	13	0	46.79	0.20	-46.59	18	<1.1	-18.0
Average	9.9	8.5	-1.4	6.8	6.7	-0.1	311.6	132.8	-178.8	14.1	14.3	0.2	187.7	45.5	-142.2	36.1	0.9	-35.2
Median	9.7	8.4	-1.3	6.7	6.6	-0.1	146.6	119.7	-26.9	13.9	14.2	0.3	41.2	0.6	-40.6	15.5	0.0	-15.5

Notes:

TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples. [1]

[2] DO Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.

dissolved oxygen

mg/L SU milligrams per liter

standard units

NTU nephelometric turbidity units

 $\mu S/cm$ microSiemens per centimeter

TSS total suspended solids

NM not measured

## Table 6c Water Quality Data - Seep C **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)		Specific Conductance (µS/cm)			Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)			
2	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
11/15/2022	11.3	10.1	-1.2	7.4	7.7	0.3	91	42	-49	14	15	1	82.30	4.10	-78.20	97	1.2	-95.8
11/30/2022	9.4	9.2	-0.2	7.4	7.3	-0.1	92	94	2	13	12	-1	25.79	0.00	-25.79	18	<4	-18.0
12/14/2022	9.0	8.0	-1.0	6.9	6.4	-0.5	270	178	-92	17	16	-1	1451.50	6.49	-1445.01	600	1.2	-598.8
12/29/2022	8.0	8.7	0.7	6.3	6.7	0.4	78	70	-8	9	8	-1	207.98	76.55	-131.43	71	<1.1	-71.0
Average	9.4	9.0	-0.4	7.0	7.0	0.0	132.9	95.9	-37.0	12.8	12.6	-0.2	441.9	21.8	-420.1	196.5	0.6	-195.9
Median	9.2	9.0	-0.2	7.2	7.0	-0.2	91.5	81.8	-9.7	13.0	13.4	0.4	145.1	5.3	-139.8	84.0	0.6	-83.4

Notes:

TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.

[1] [2] DO Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.

dissolved oxygen

milligrams per liter mg/L

SU standard units

NTU nephelometric turbidity units

 $\mu S/cm$ microSiemens per centimeter

TSS total suspended solids

## Table 6d Water Quality Data - Seep D **Reporting Period 12 (Nov - Dec 2022)** Chemours Fayetteville Works Fayetteville, North Carolina

Date	DO (mg/L)			pH (SU)		Specific Conductance (µS/cm)		Temperature (°C)			Turbidity (NTU)			TSS <sup>[1]</sup> (mg/L)				
2	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference	Influent	Effluent	Difference <sup>[2]</sup>
11/15/2022	4.7	11.4	6.7	6.1	6.8	0.7	382	48	-334	14	13	-1	12.68	1.40	-11.28	6.8	<4	-6.8
11/30/2022	9.1	9.2	0.1	5.9	6.8	0.9	149	127	-22	12	12	0	8.87	0.00	-8.87	4	<4	-4.0
12/14/2022	8.9	7.3	-1.6	6.2	6.7	0.5	194	160	-34	16	16	0	3.98	1.63	-2.35	1.2	1.2	0.0
12/29/2022	10.6	9.2	-1.4	6.8	6.6	-0.2	196	108	-88	9	8	-1	4.67	0.49	-4.18	2.8 J	<1.1	-2.8
Average	8.3	9.3	1.0	6.3	6.7	0.4	230.0	110.8	-119.2	12.6	12.4	-0.2	7.6	0.9	-6.7	3.7	0.3	-3.4
Median	9.0	9.2	0.2	6.1	6.7	0.6	194.7	117.6	-77.1	13.0	12.6	-0.4	6.8	0.9	-5.9	3.4	0.0	-3.4

Notes:

TSS was measured by laboratory method SM 2540 D from grab samples collected concurrent with the performance samples.

[1] [2] J Non-detect influent and effluent TSS sample results were assigned a value of zero for statistical calculations.

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

DO dissolved oxygen

milligrams per liter mg/L

SU standard units

NTU nephelometric turbidity units

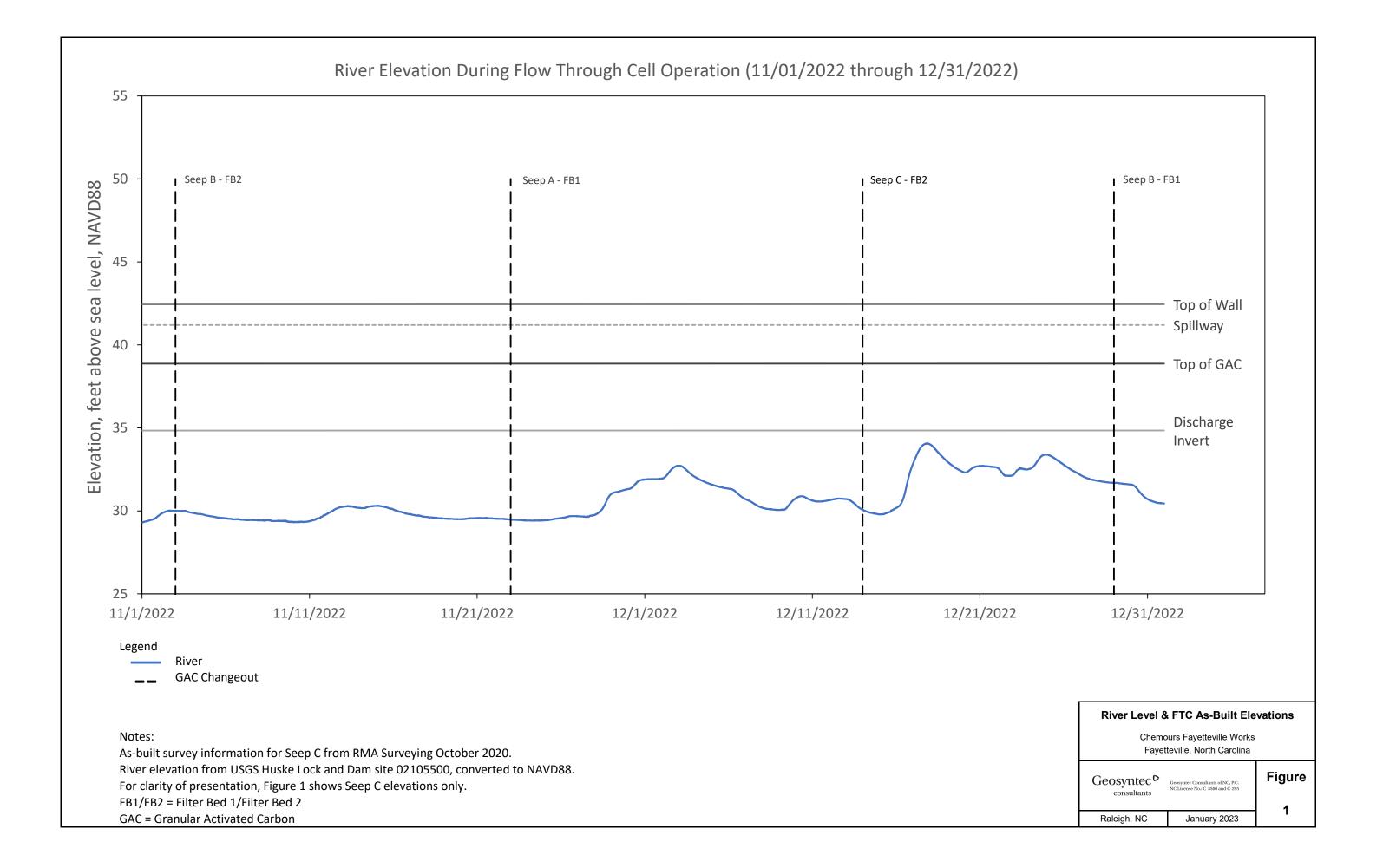
 $\mu S/cm$ microSiemens per centimeter

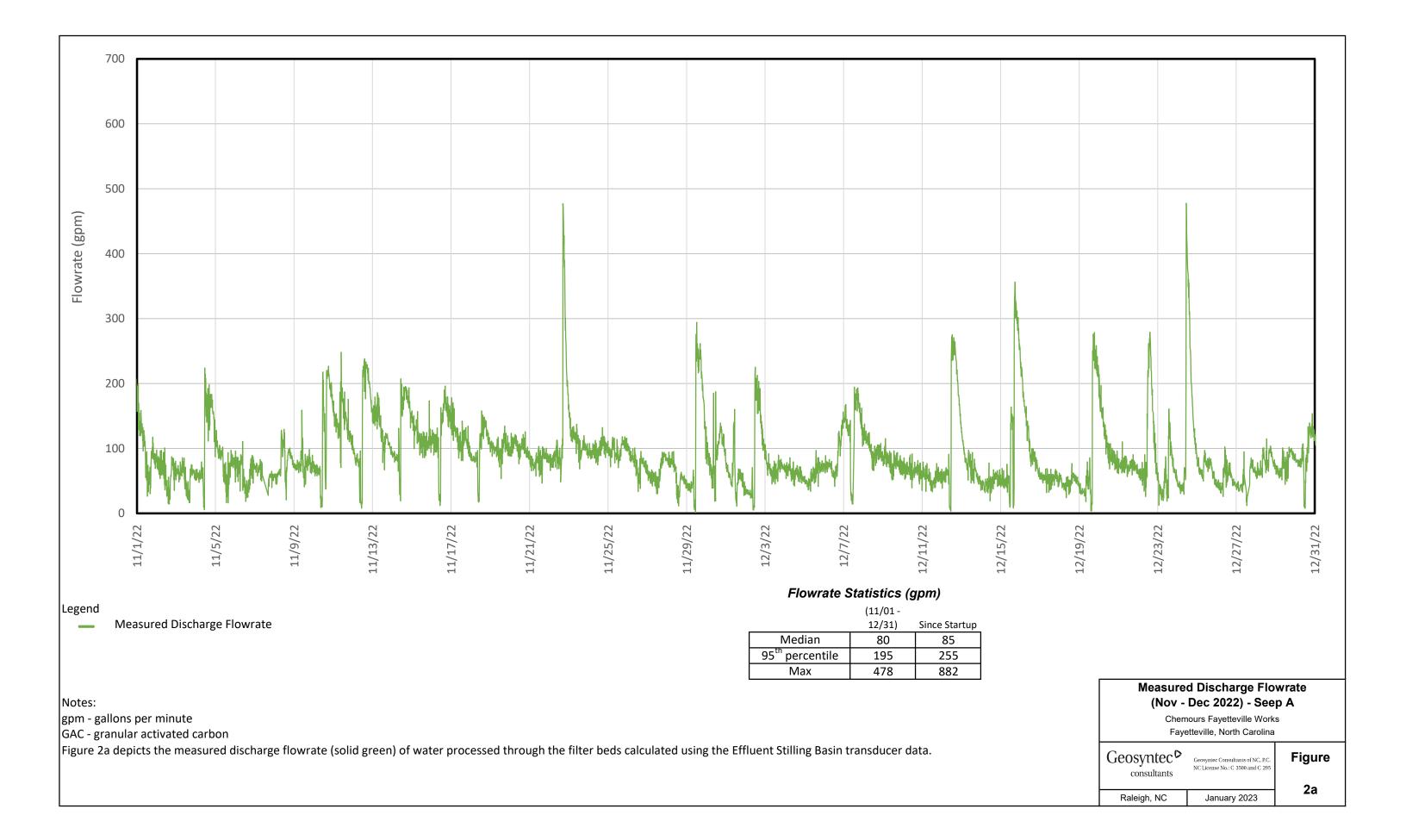
TSS total suspended solids

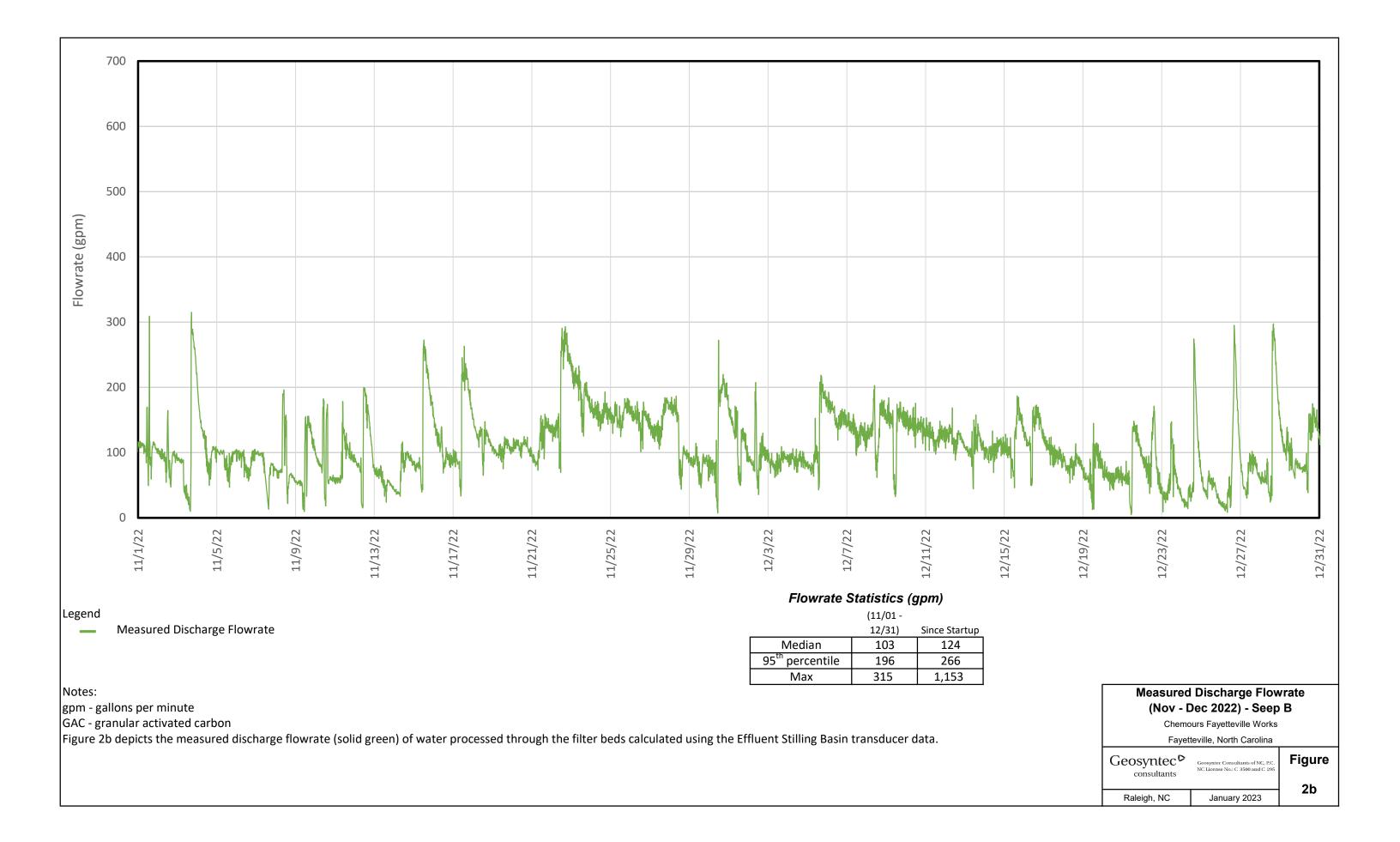


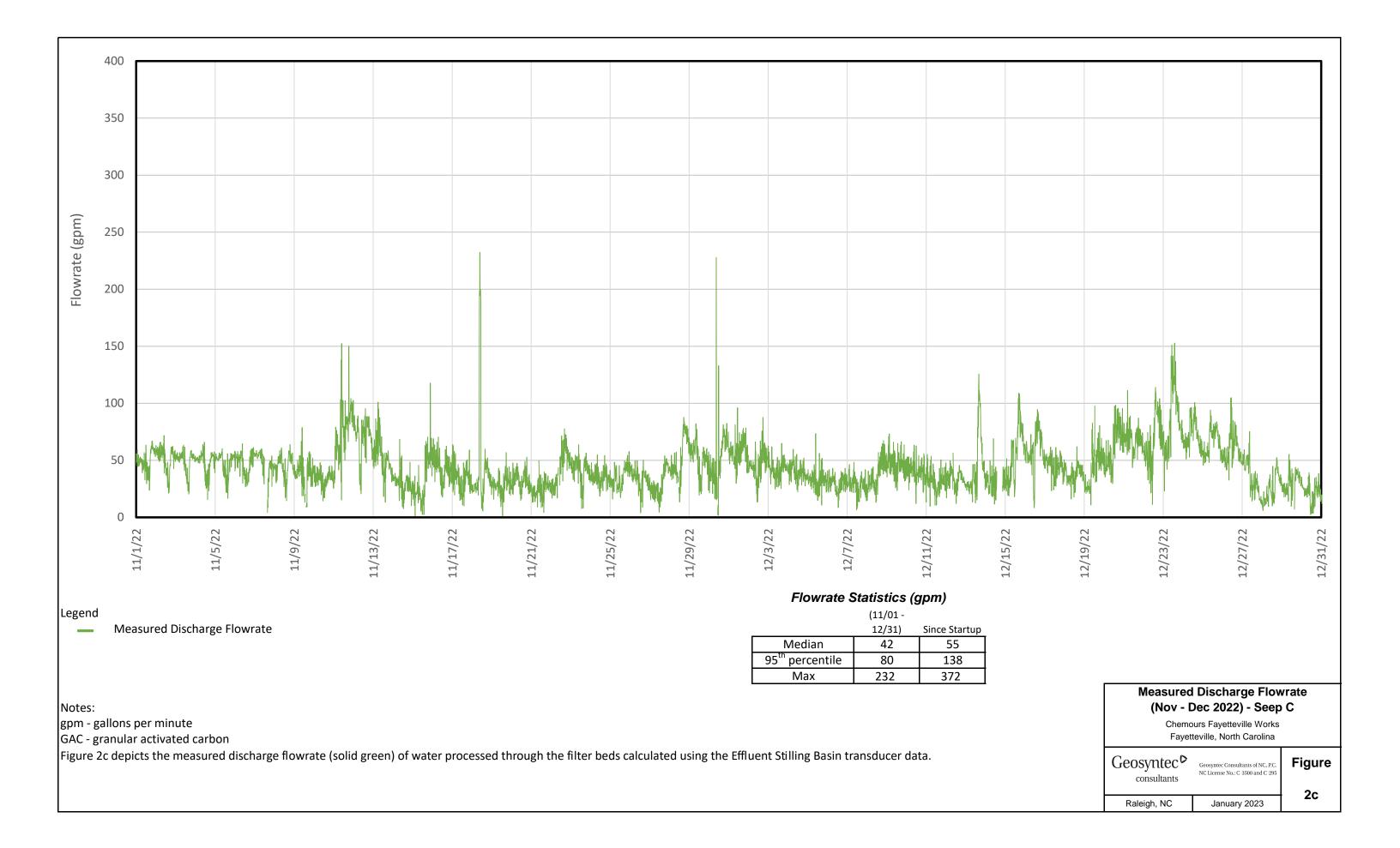
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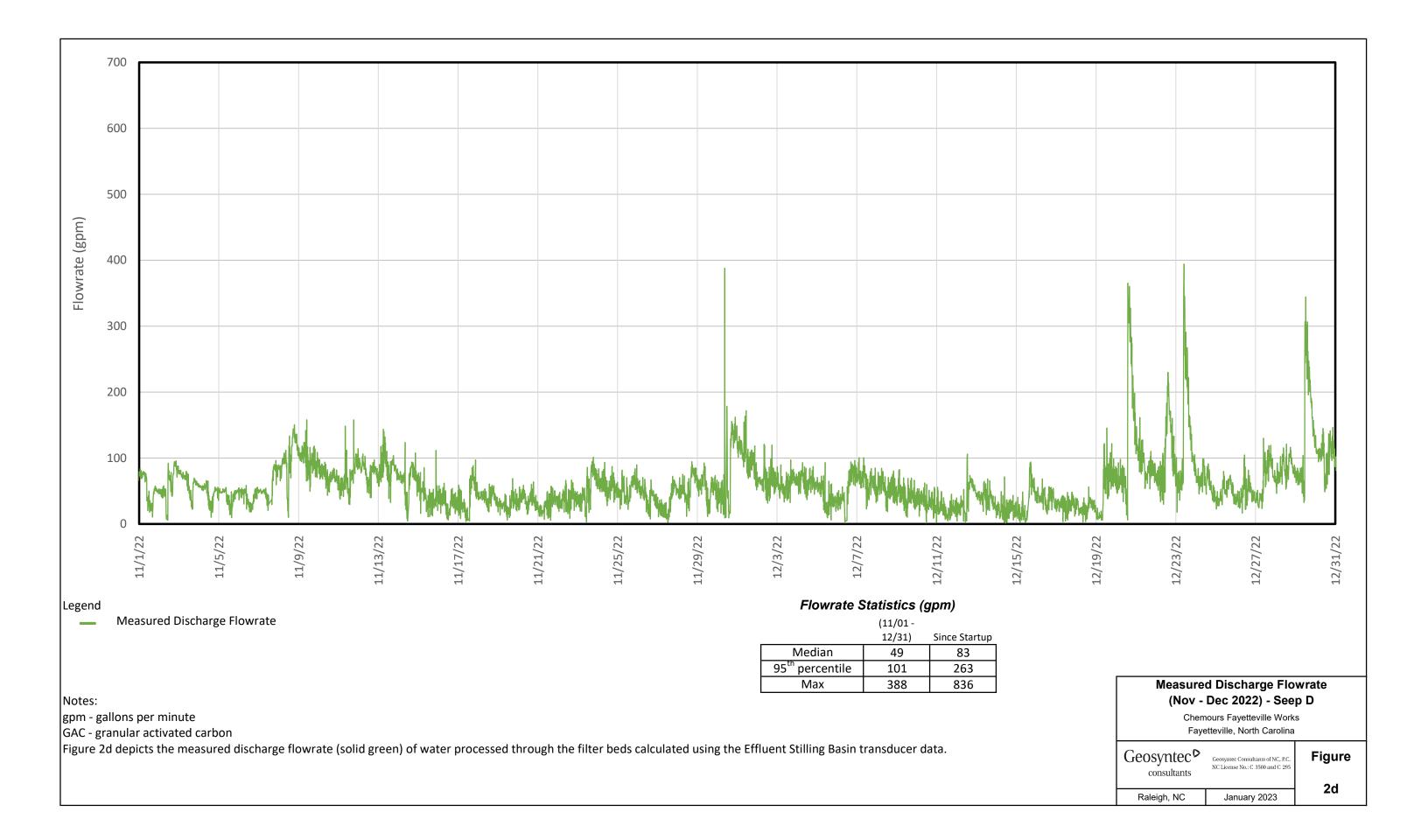
# FIGURES

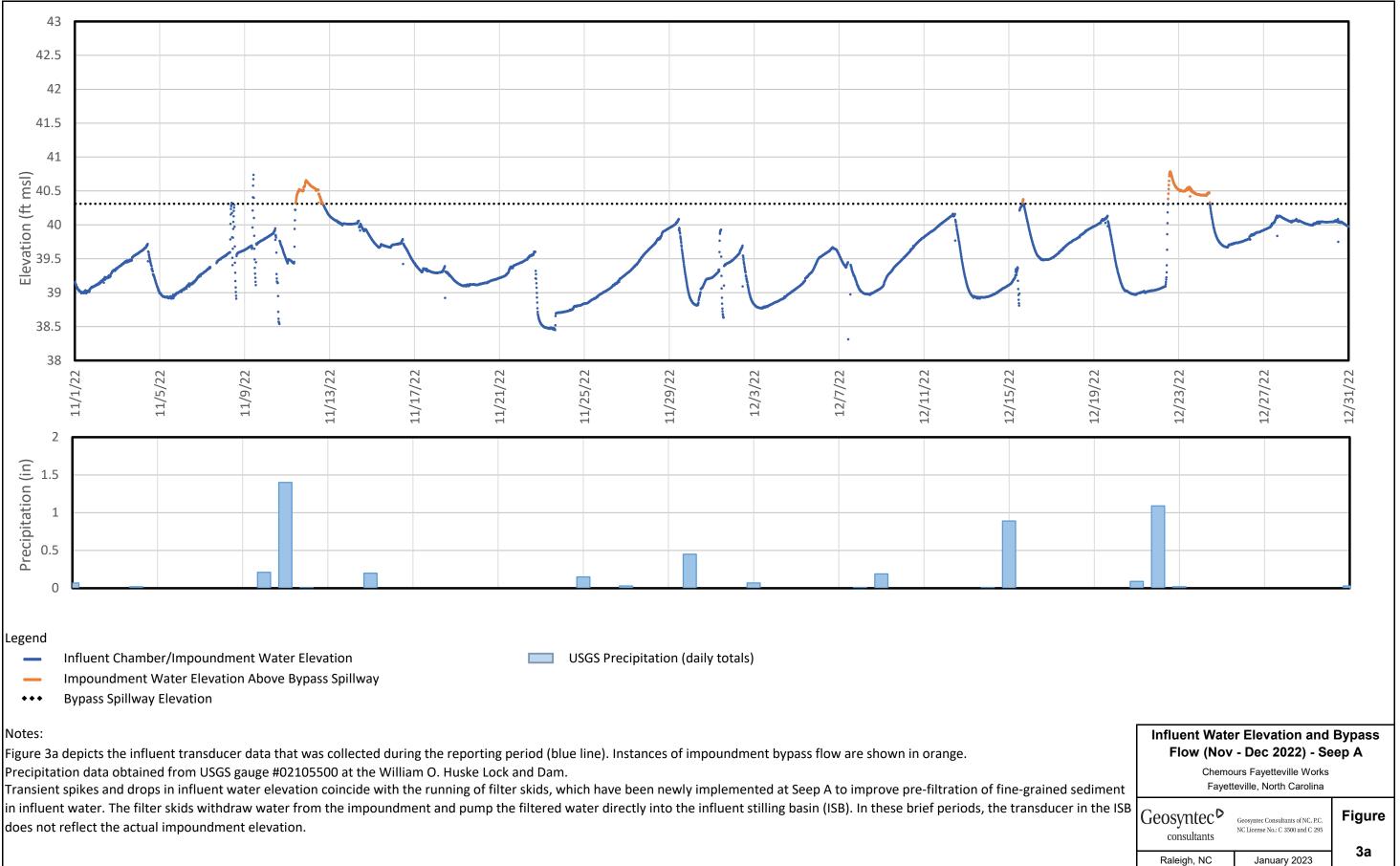


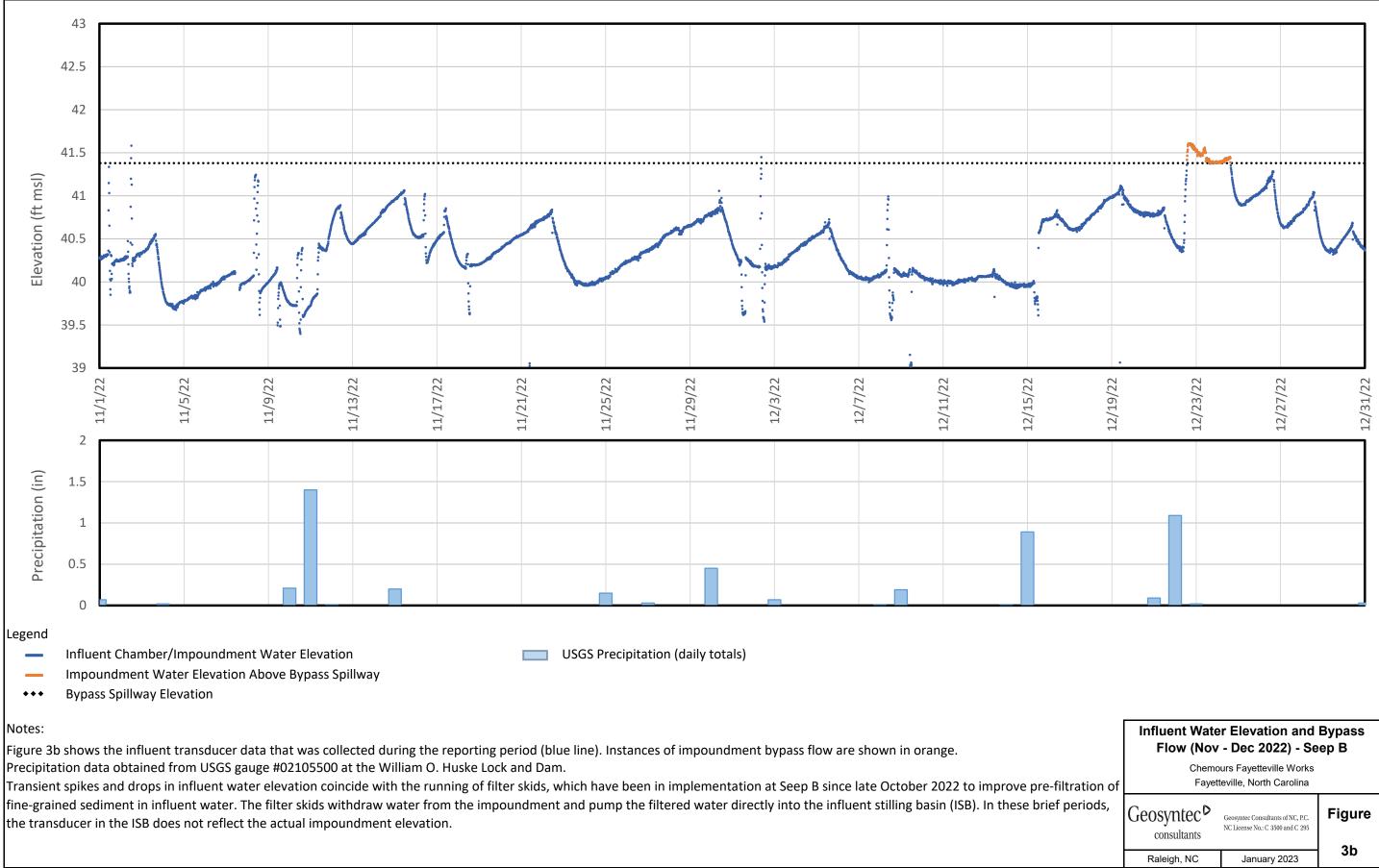


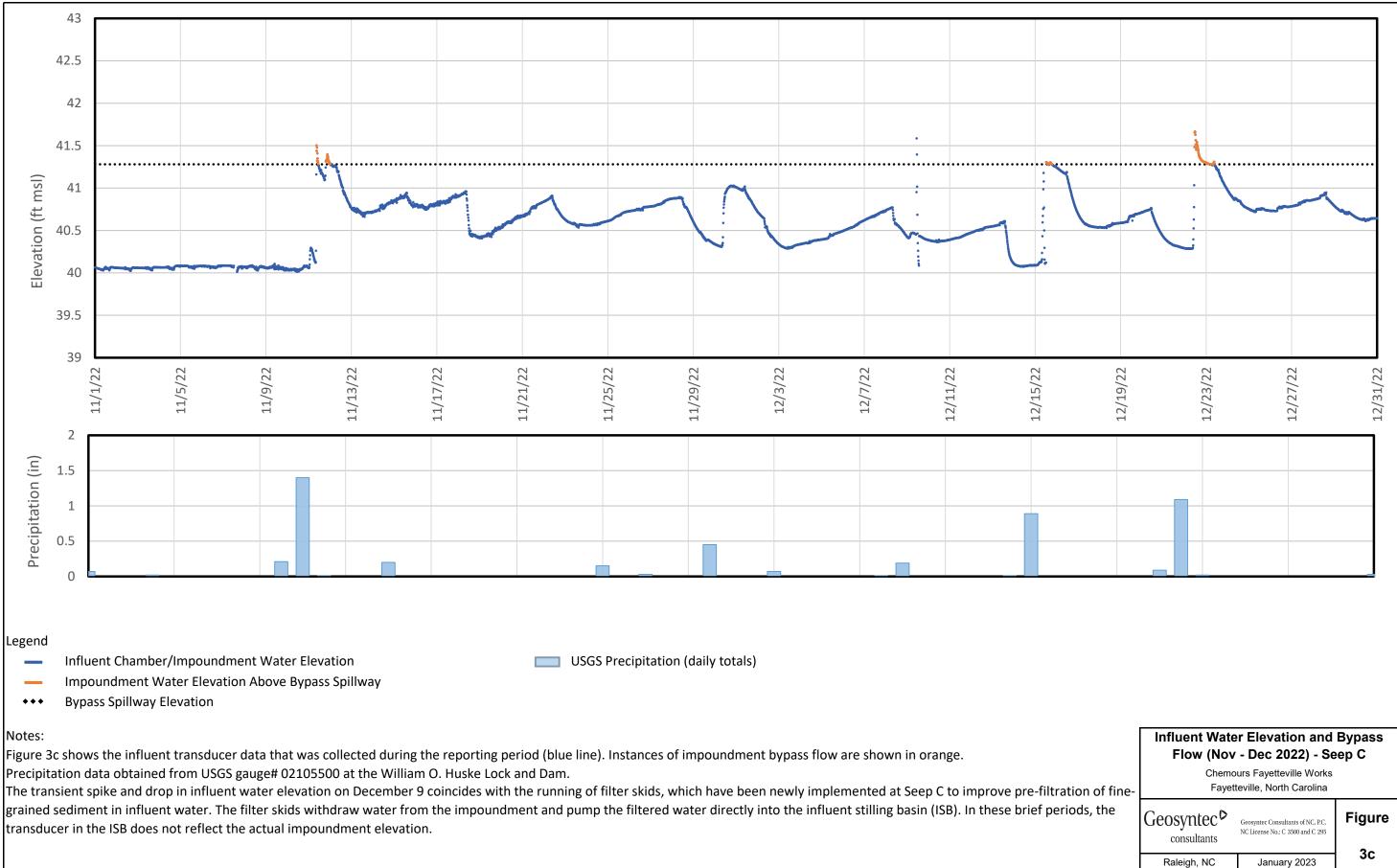


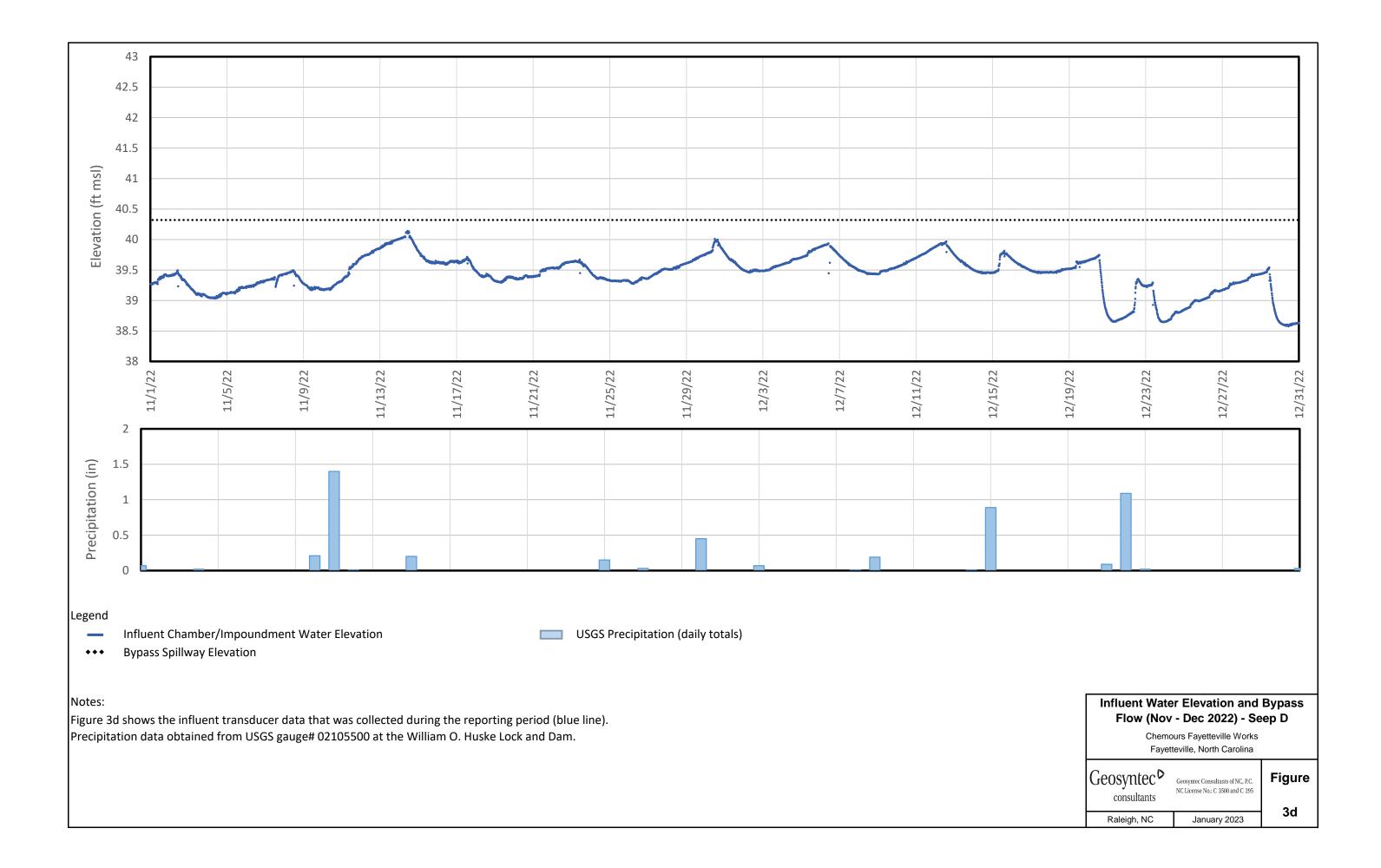








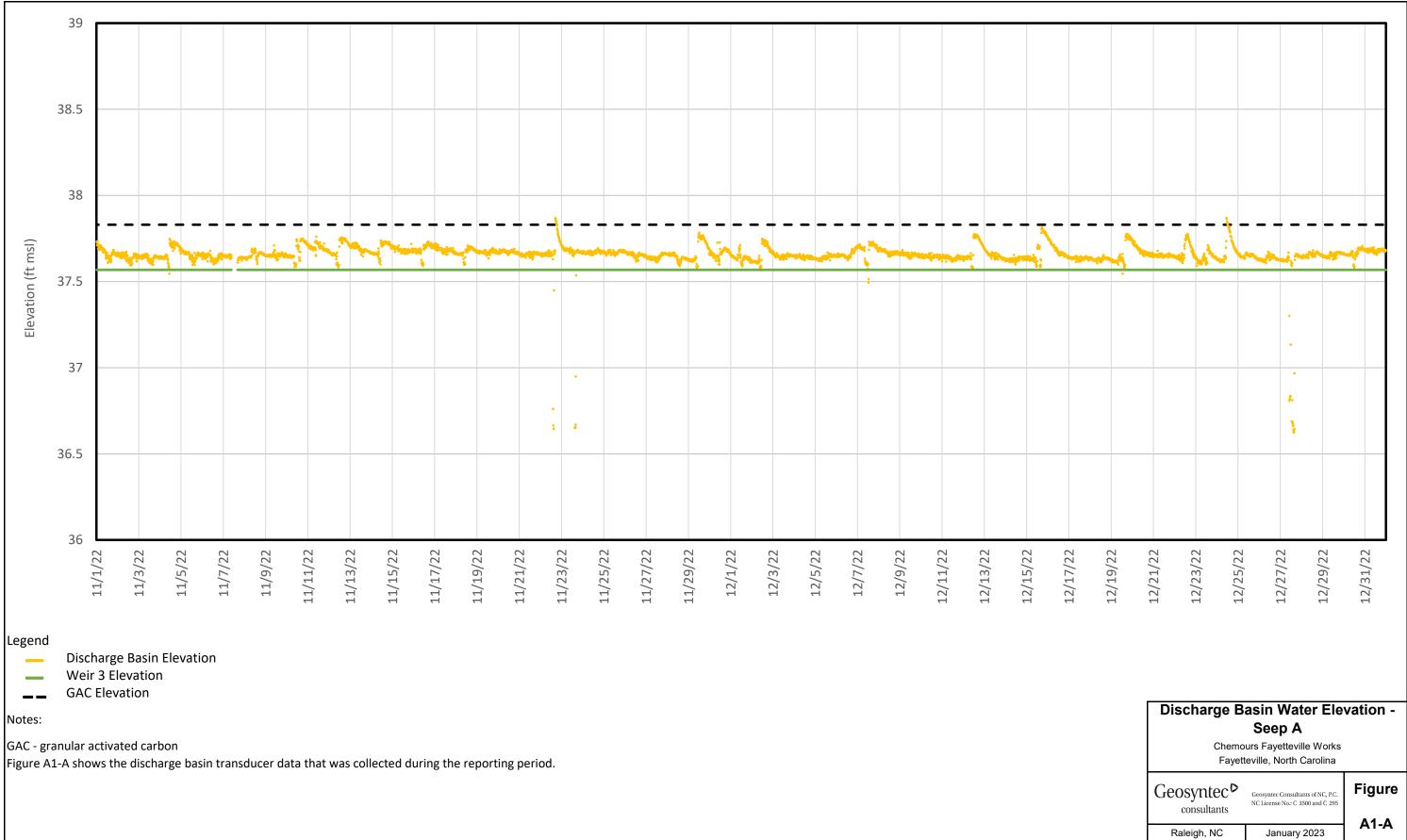


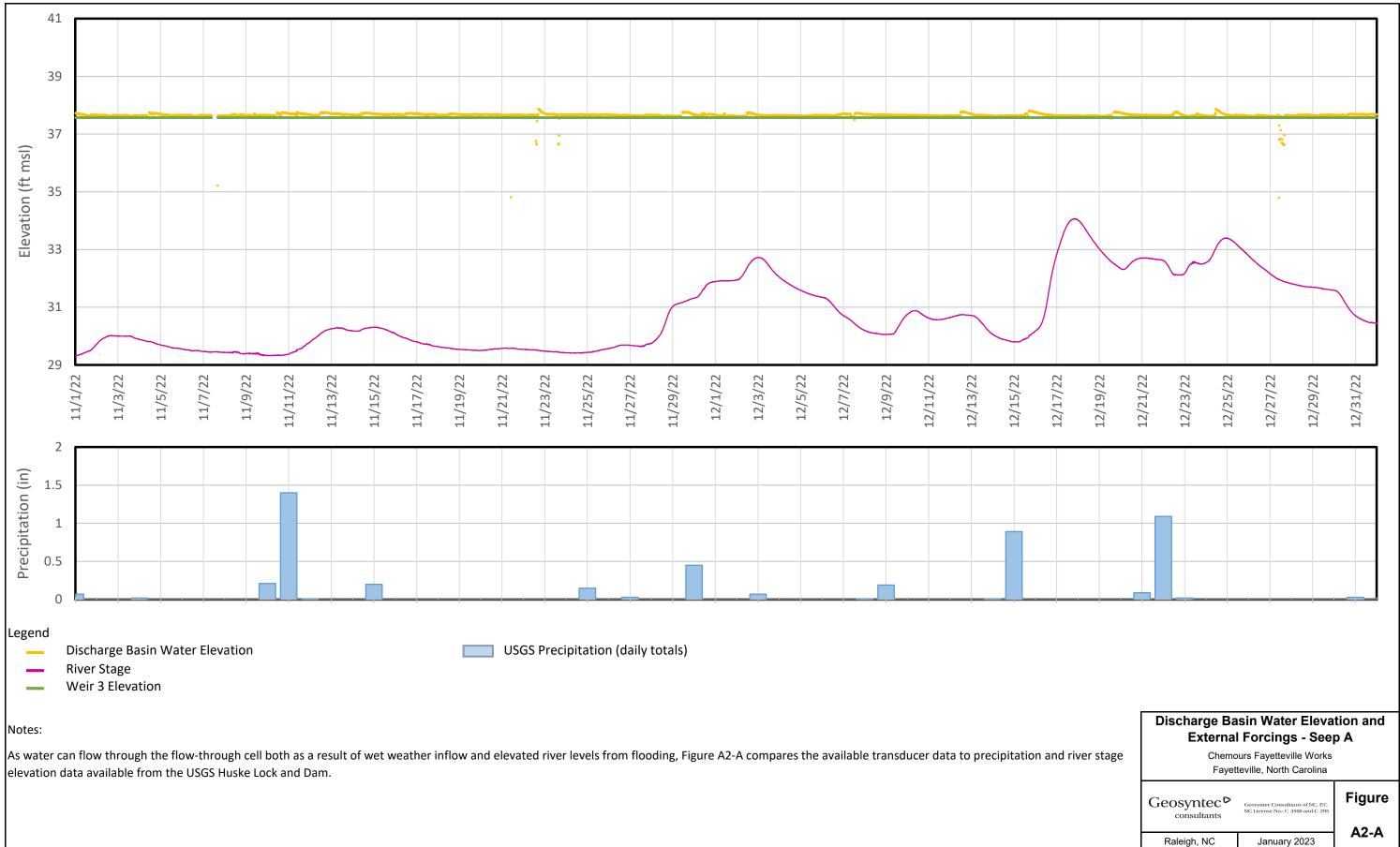


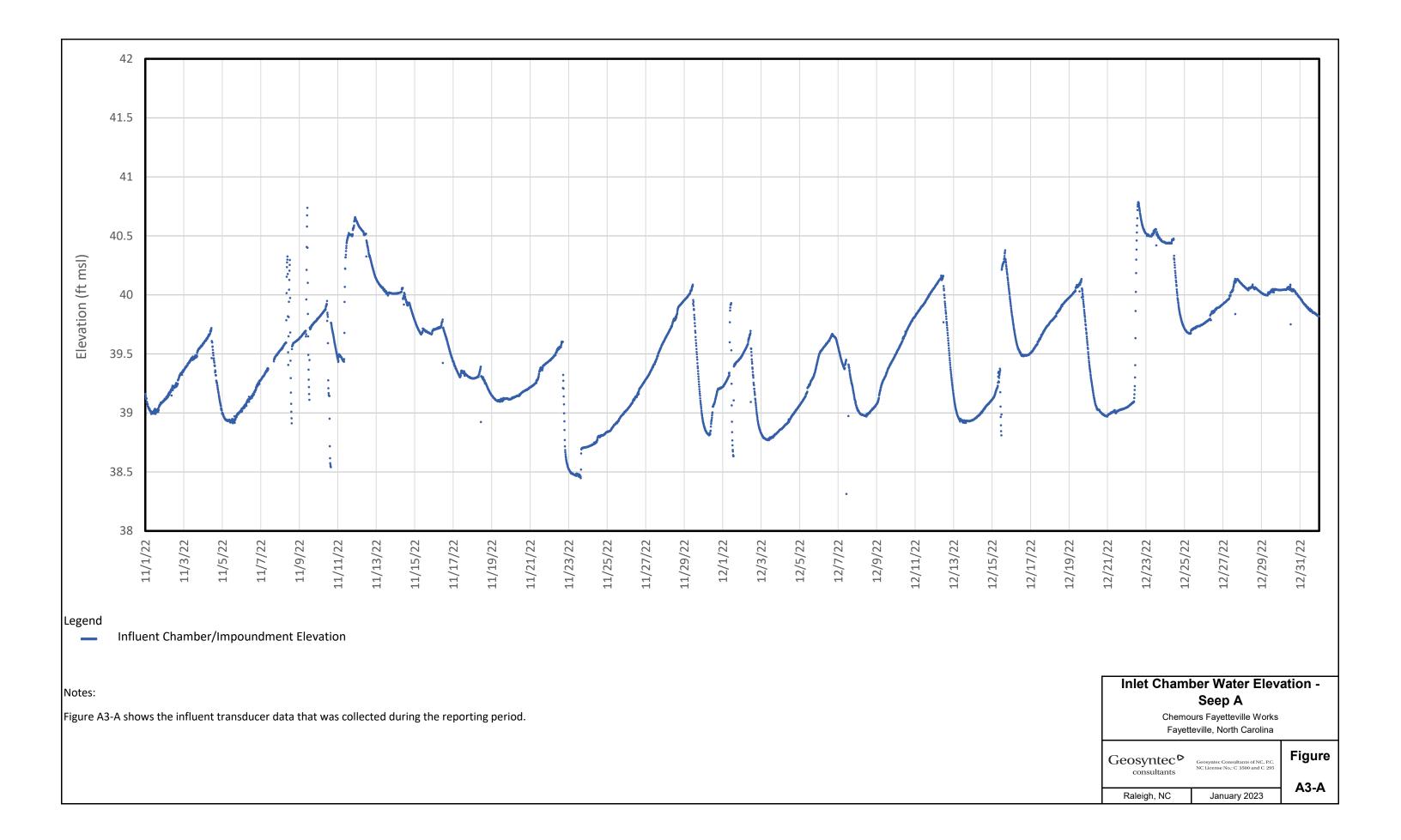


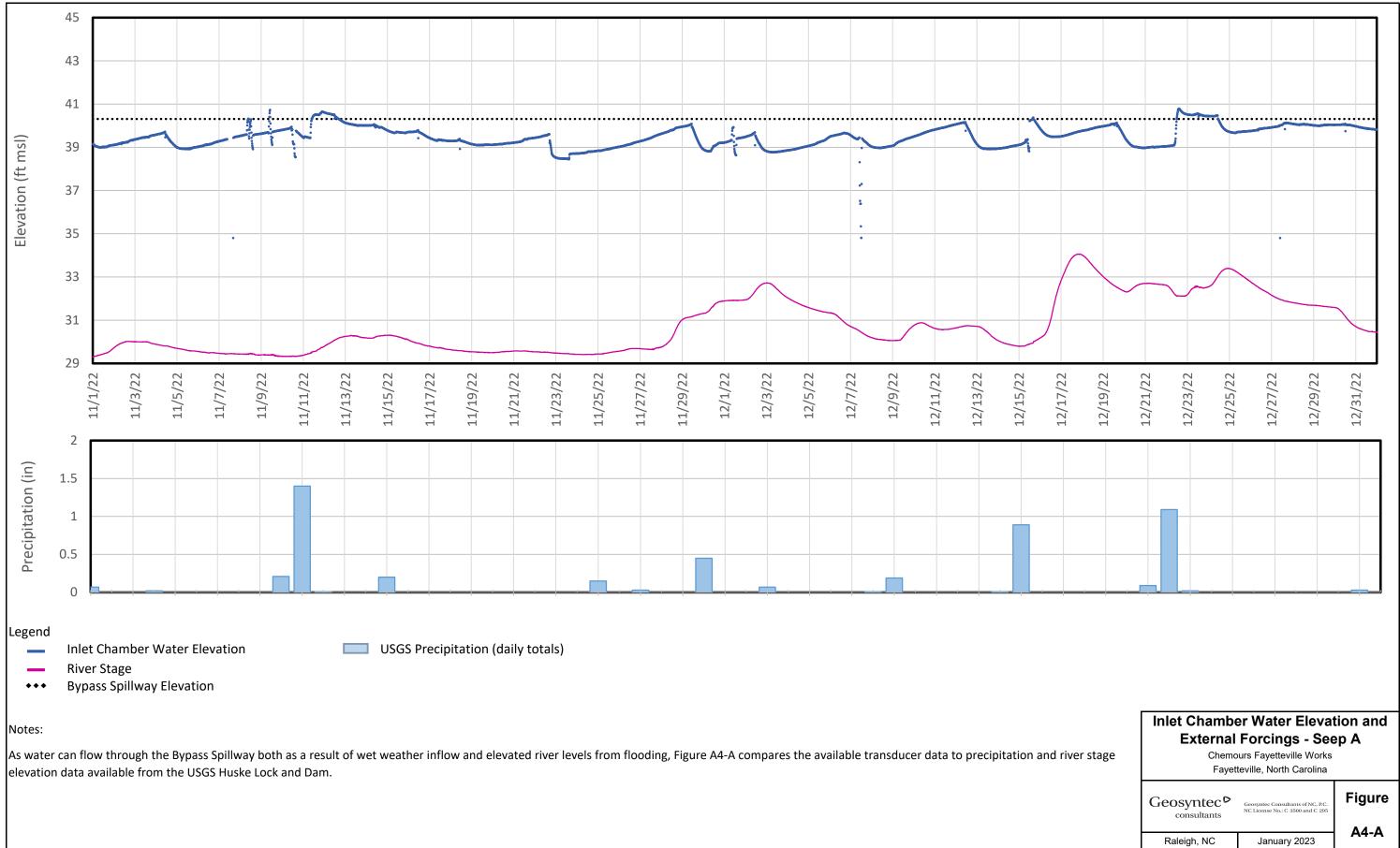
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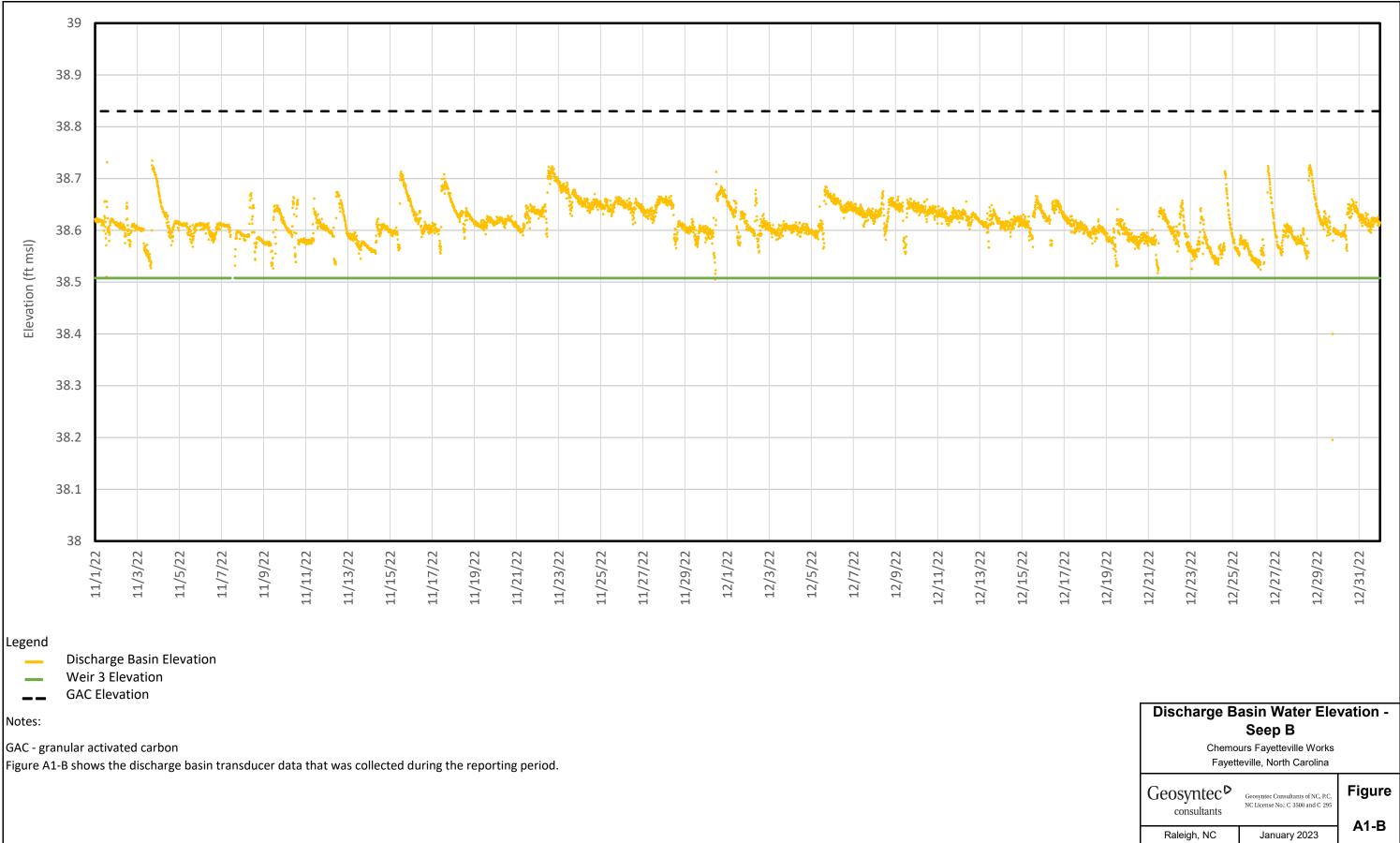
# APPENDIX A Transducer Data Reduction

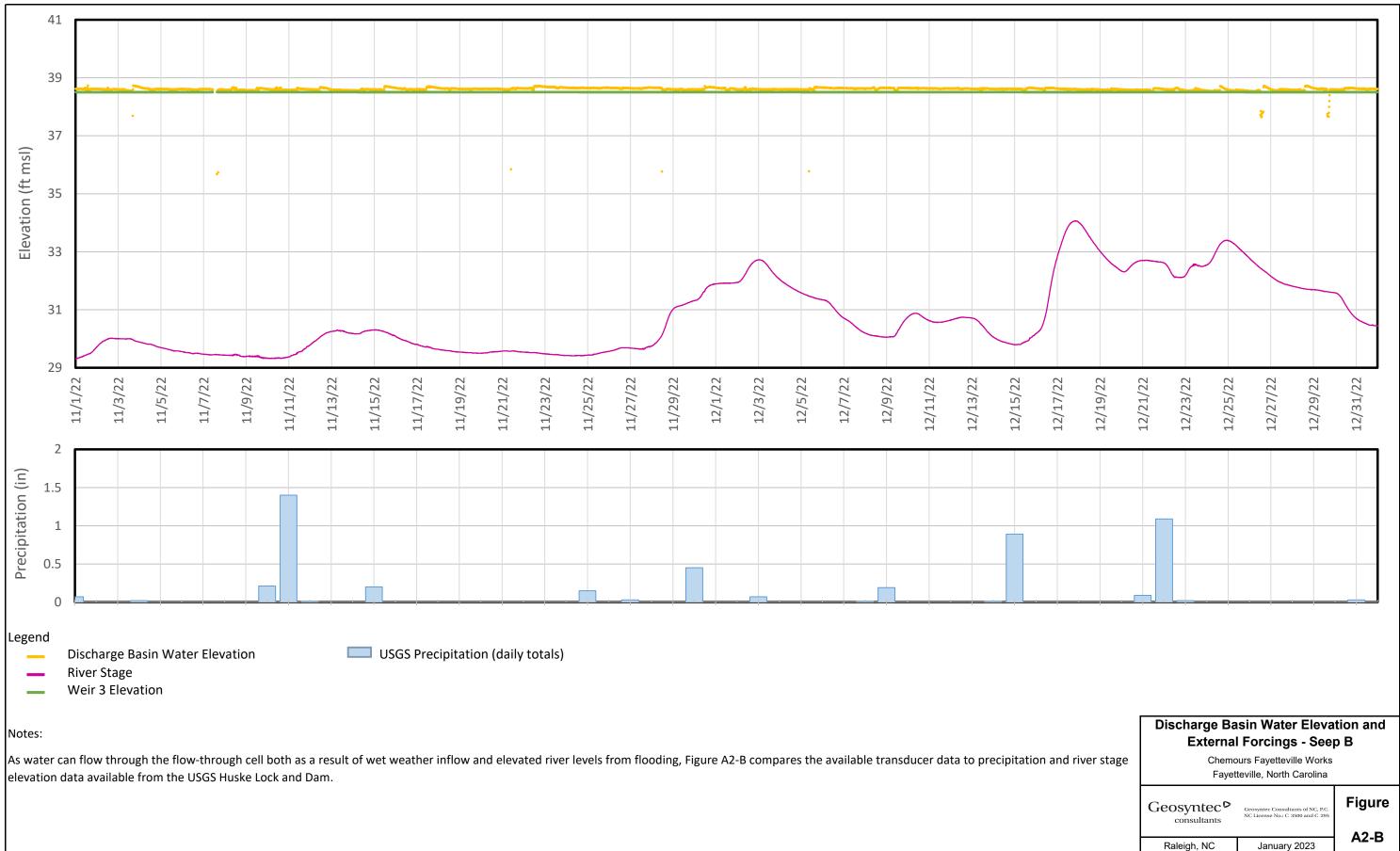


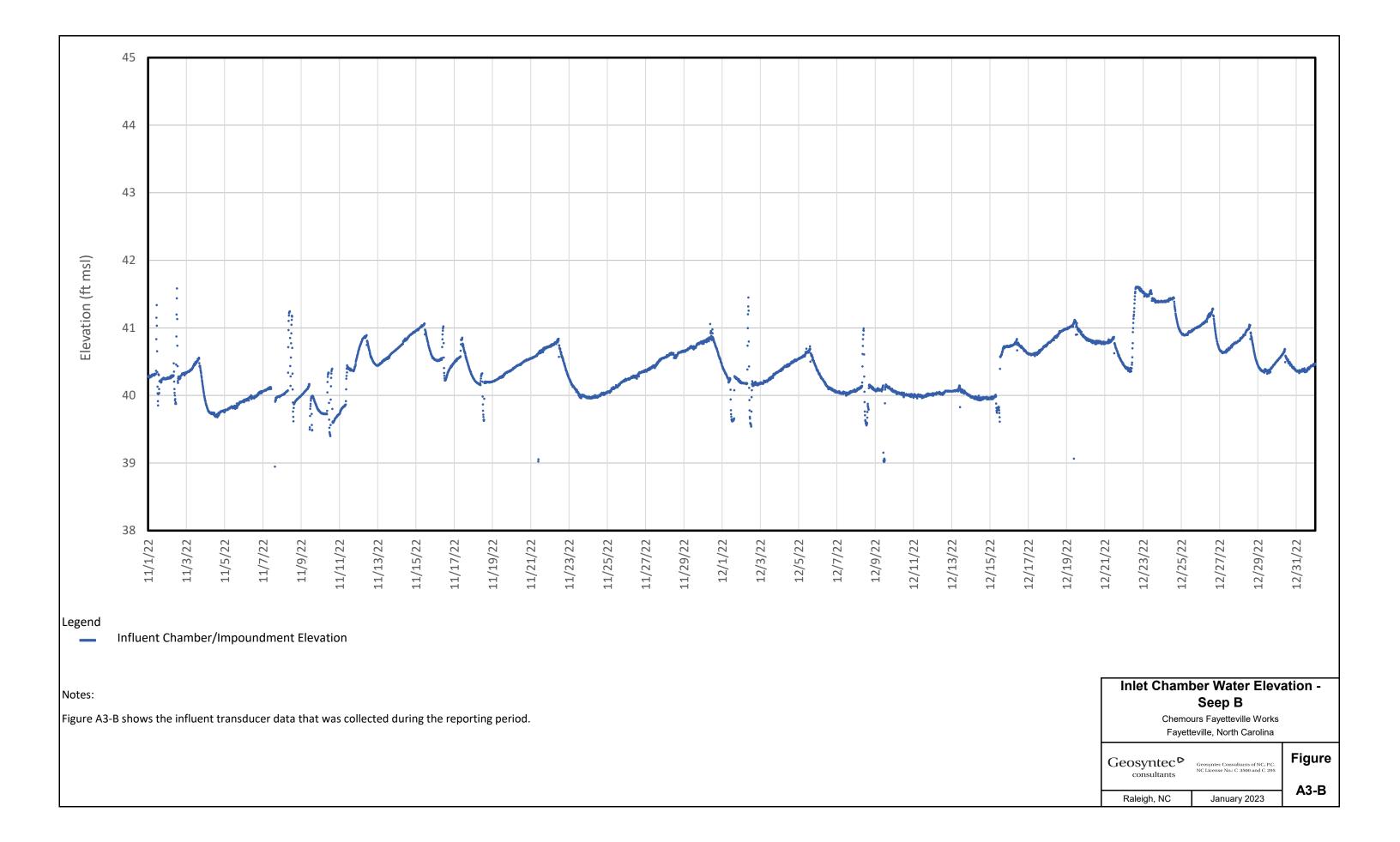


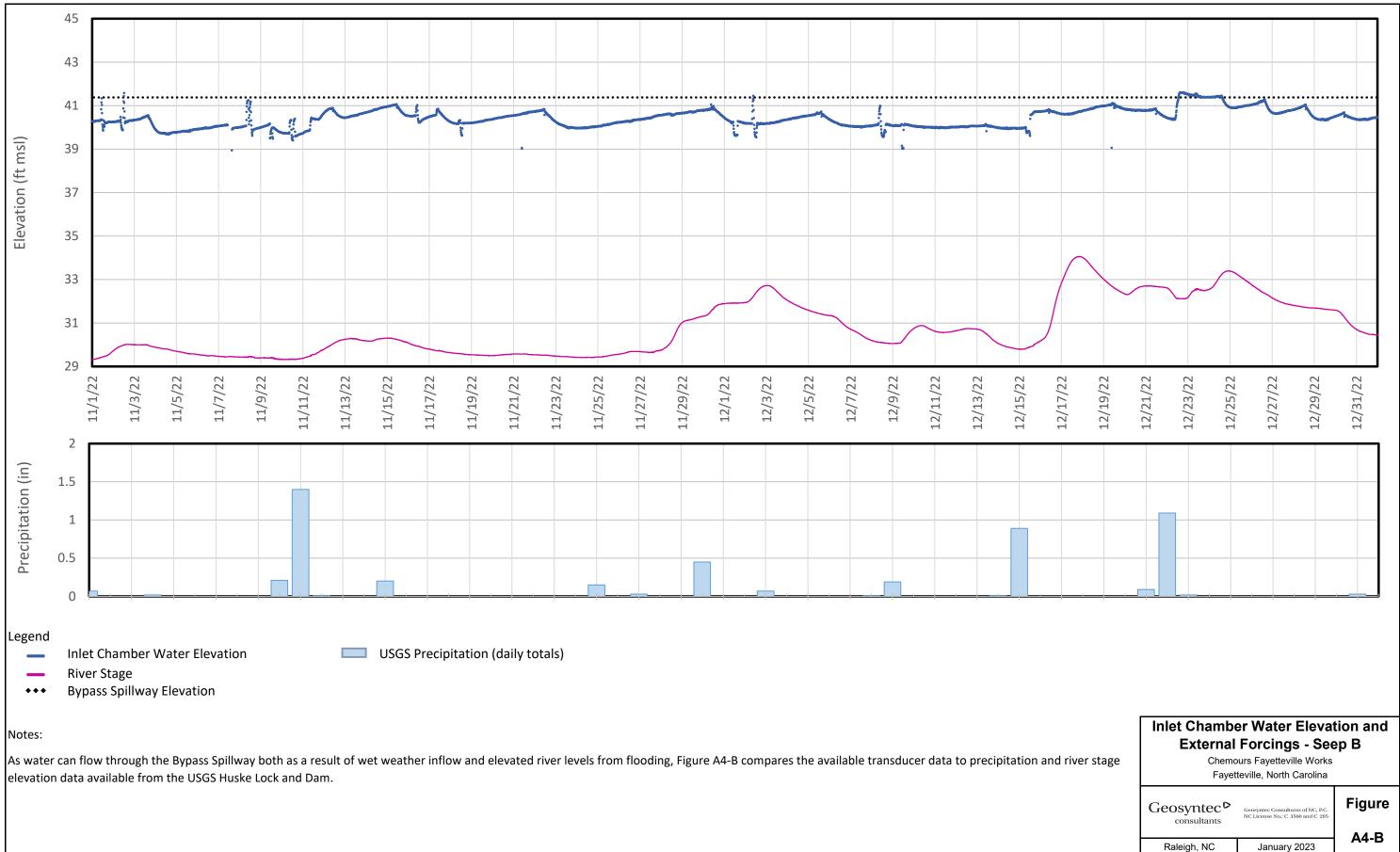


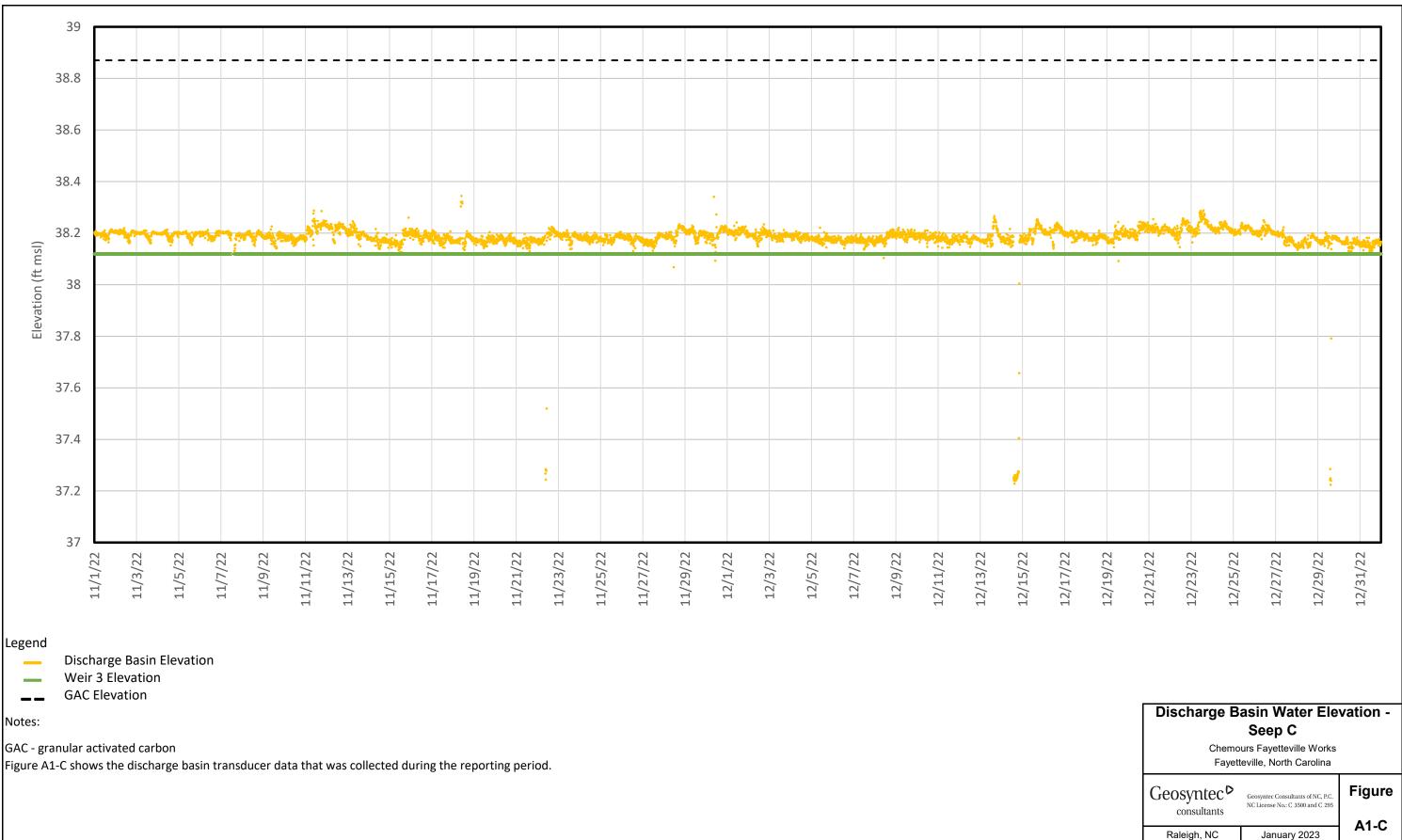


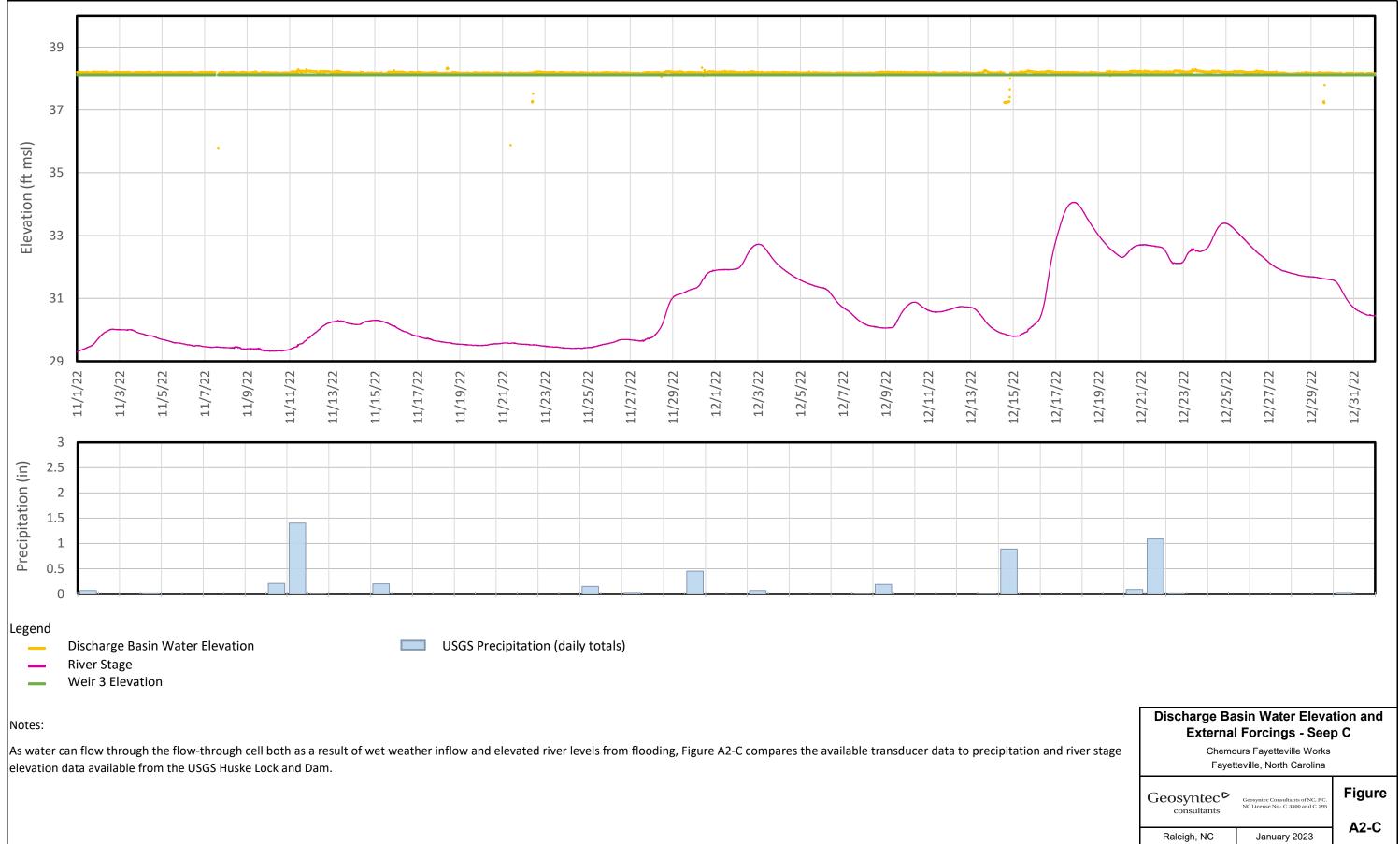


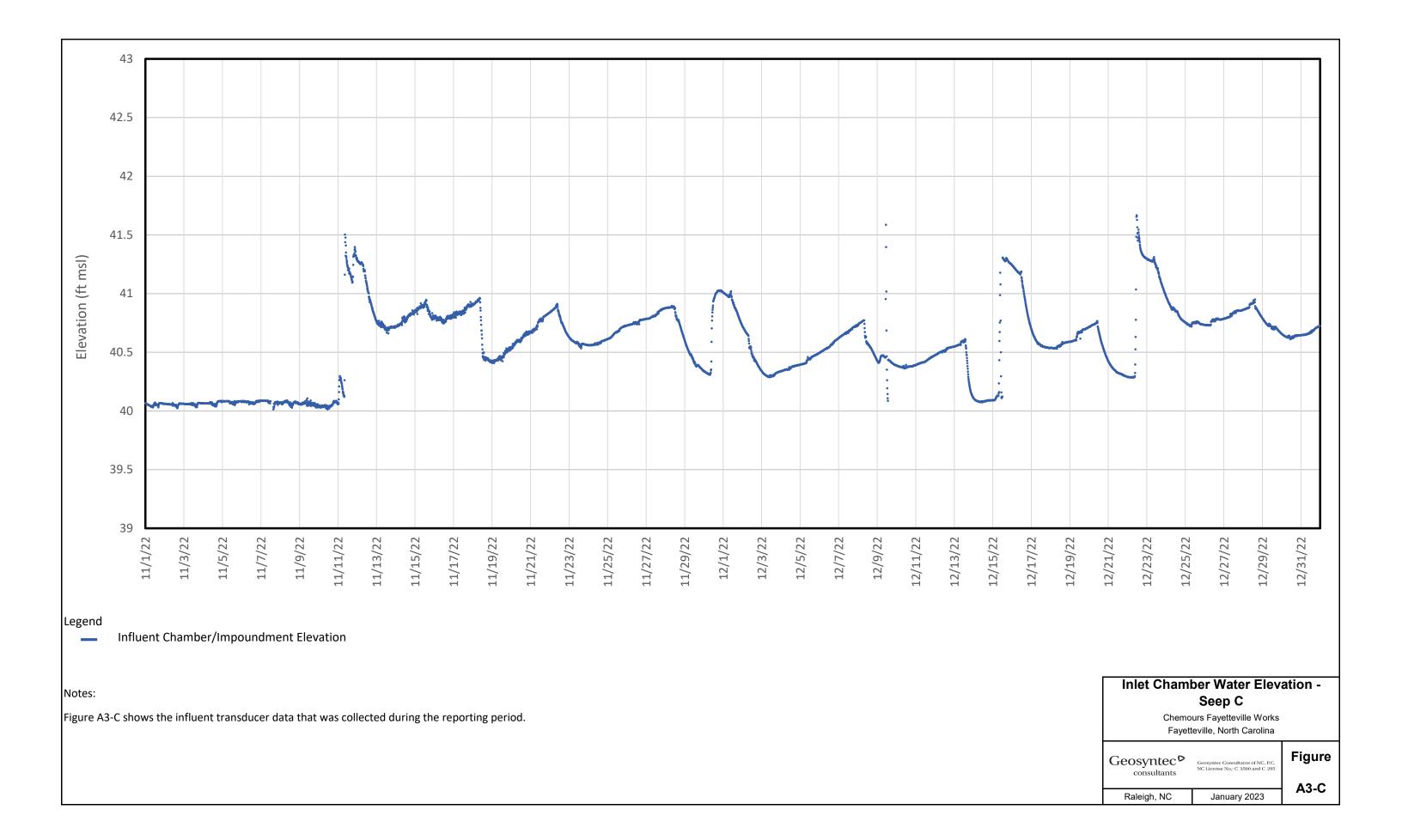


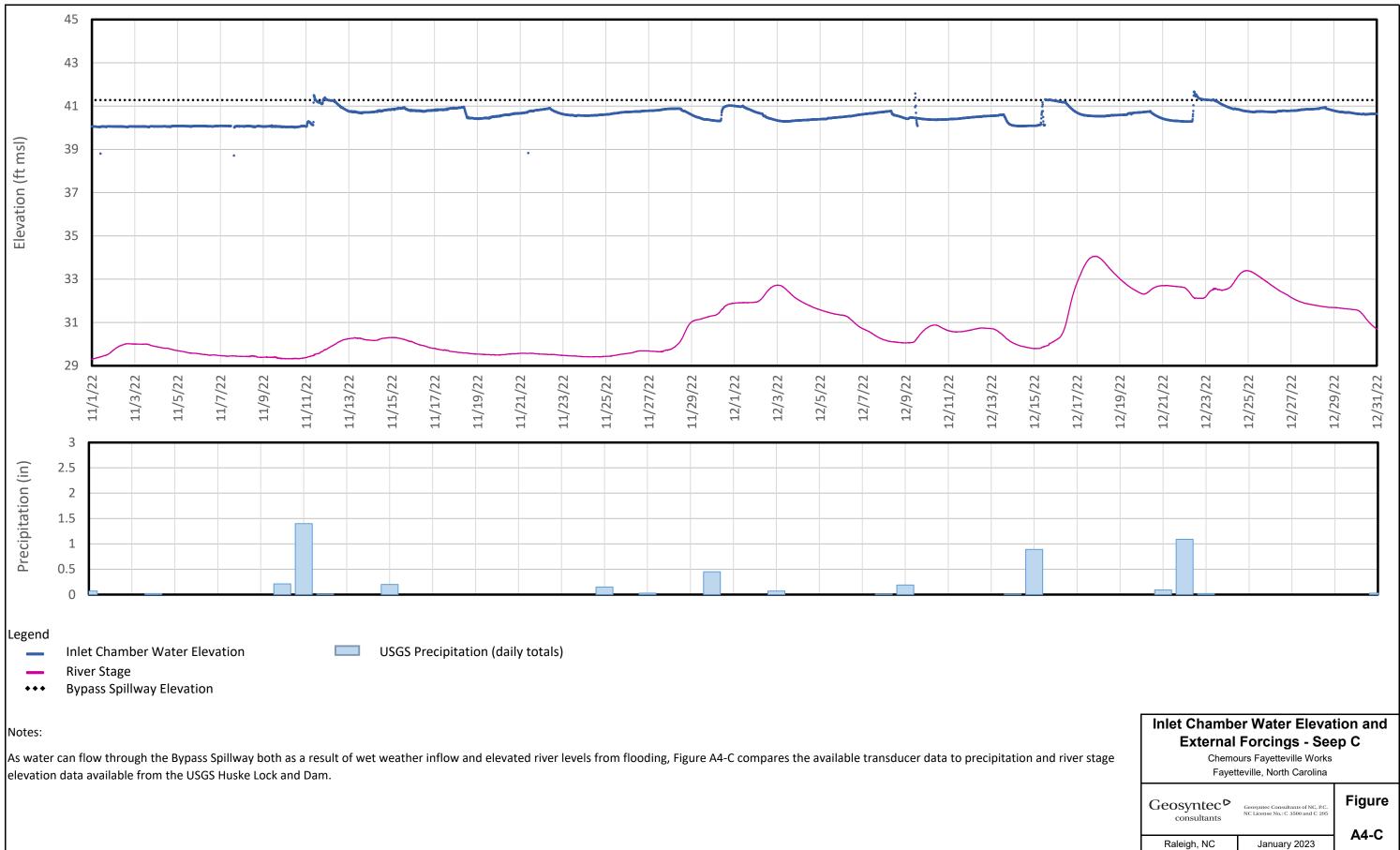


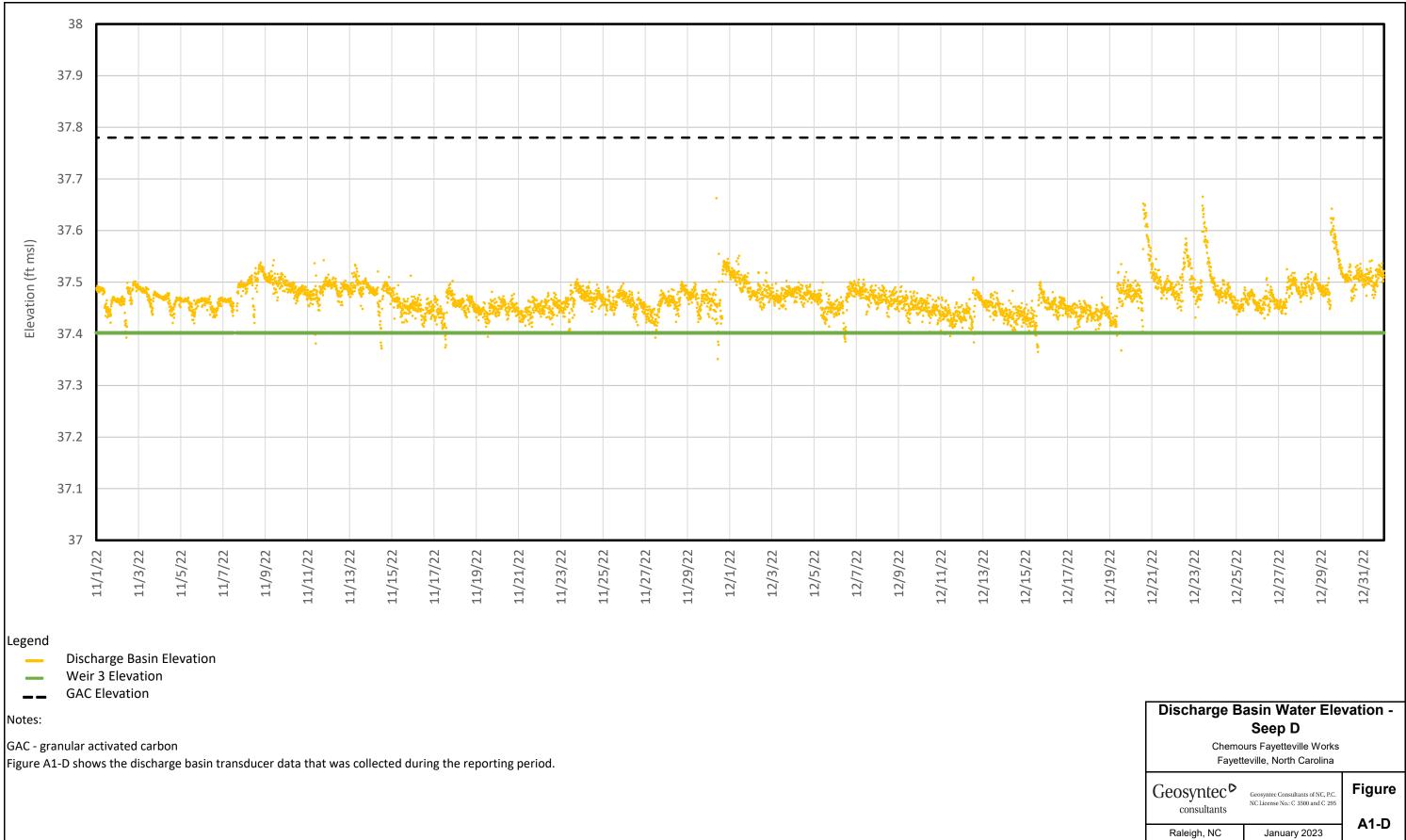


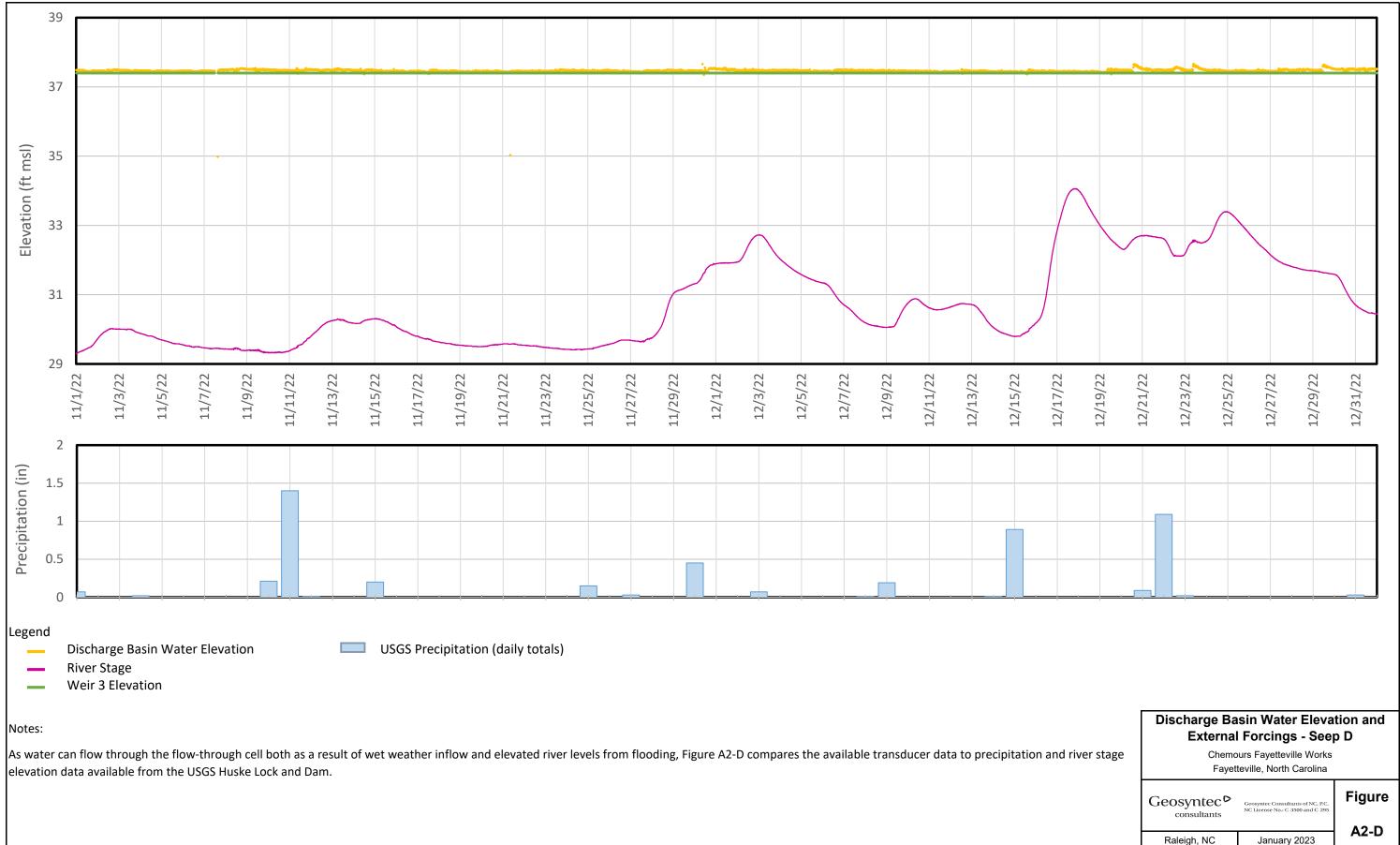


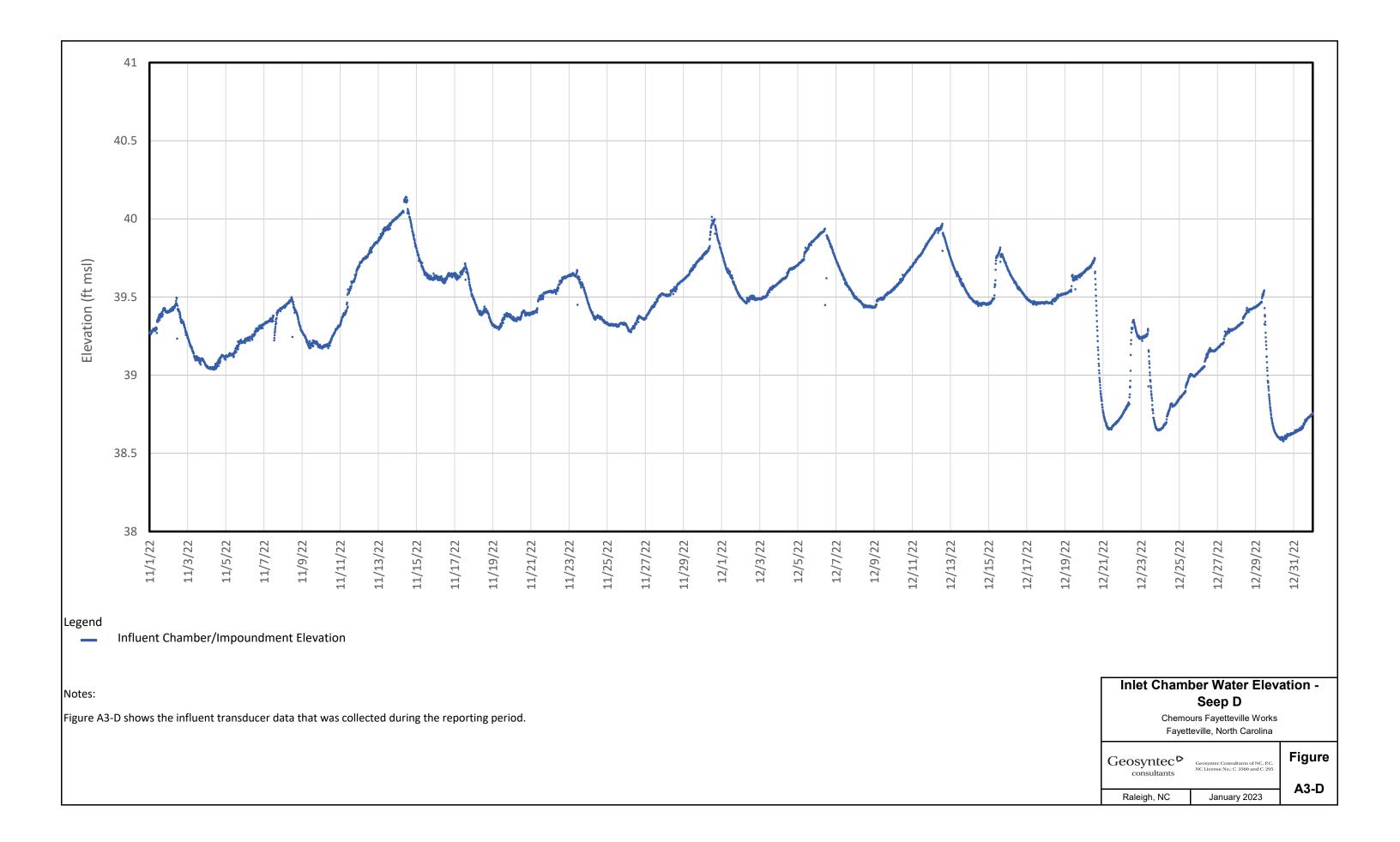


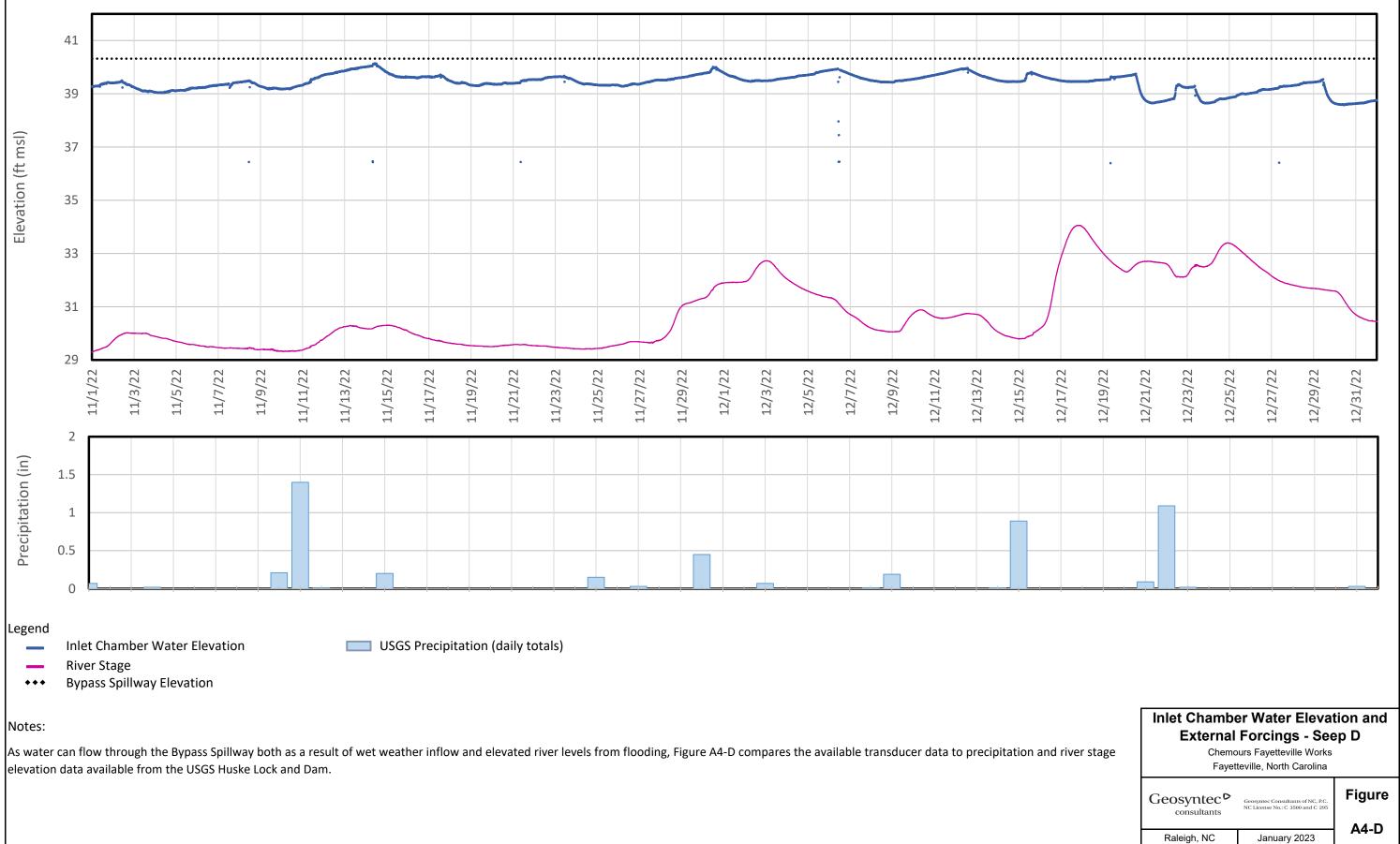














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# APPENDIX B

# Laboratory Analytical Data Review Narrative (Full lab reports to be uploaded to OneDrive and EQuIS)

# **ADQM** Data Review

Site: Chemours Fayetteville

**<u>Project</u>: Seep Flow Through Cell Sampling 2022 (select lots)** 

Project Reviewer: Michael Aucoin

# Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
SEEP-A-INFLUENT-	220 04470 4	Surface	N	44/40/2022	00.54	
RAIN-24-111222 SEEP-A-	320-94470-1	Water	N	11/12/2022	06:54	FS
EFFLUENT-RAIN-		Surface				
24-111222	320-94470-2	Water	Ν	11/12/2022	01:56	FS
SEEP-B-INFLUENT-	520 54470 2	Surface		11/12/2022	01.00	10
RAIN-24-111222	320-94470-3	Water	Ν	11/12/2022	06:51	FS
SEEP-B-	020 01110 0	Trator		11/12/2022	00.01	
EFFLUENT-RAIN-		Surface				
24-111222	320-94470-4	Water	Ν	11/12/2022	07:52	FS
SEEP-C-INFLUENT-		Surface				
RAIN-24-111222	320-94470-5	Water	Ν	11/12/2022	07:50	FS
SEEP-C-						
EFFLUENT-RAIN-		Surface				
24-111222	320-94470-6	Water	N	11/12/2022	07:57	FS
SEEP-D-INFLUENT-		Surface				
RAIN-24-111222	320-94470-7	Water	N	11/12/2022	07:44	FS
SEEP-D-						
EFFLUENT-RAIN-		Surface				
24-111222	320-94470-8	Water	N	11/12/2022	07:57	FS
SEEP-A-INFLUENT-		Surface				
336-111522	320-94477-1	Water	N	11/15/2022	06:00	FS
SEEP-A-		0				
EFFLUENT-336-	220 04477 0	Surface	N	11/15/0000	00.00	50
111522	320-94477-2	Water	N	11/15/2022	06:00	FS
SEEP-B-INFLUENT- 336-111522	320-94477-3	Surface Water	N	11/15/2022	06:00	FS
SEEP-B-	320-94477-3	Water	IN	11/15/2022	00.00	го
EFFLUENT-336-		Surface				
111522	320-94477-4	Water	N	11/15/2022	06:00	FS
SEEP-C-INFLUENT-	520 34477 4	Surface		11/10/2022	00.00	10
336-111522	320-94477-5	Water	N	11/15/2022	06:00	FS
SEEP-C-	020 01111 0	Wator		11/10/2022	00.00	10
EFFLUENT-336-		Surface				
111522	320-94477-6	Water	Ν	11/15/2022	06:00	FS
SEEP-D-INFLUENT-		Surface				
336-111522	320-94477-7	Water	Ν	11/15/2022	06:00	FS
SEEP-D-						
EFFLUENT-336-		Surface				
111522	320-94477-8	Water	Ν	11/15/2022	06:00	FS
SEEP-A-INFLUENT-		Surface				
TSS-111522	320-94480-1	Water	N	11/15/2022	14:50	FS
SEEP-A-						
EFFLUENT-TSS-		Surface				
111522	320-94480-2	Water	N	11/15/2022	14:45	FS
SEEP-B-INFLUENT-		Surface				
TSS-111522	320-94480-3	Water	N	11/15/2022	13:15	FS

SEEP-B-				1		
EFFLUENT-TSS-		Surface				
111522	320-94480-4	Water	Ν	11/15/2022	13:20	FS
SEEP-C-INFLUENT-	320 34400 4	Surface	IN	11/10/2022	10.20	10
TSS-111522	320-94480-5	Water	N	11/15/2022	13:35	FS
SEEP-C-	520-94400-5	valei	IN	11/13/2022	15.55	15
EFFLUENT-TSS-		Surface				
111522	320-94480-6	Water	N	11/15/2022	13:40	FS
	320-94480-8		IN	11/15/2022	13.40	гъ
SEEP-D-INFLUENT-	220 04480 7	Surface	N	11/15/2022	14:05	FS
TSS-111522	320-94480-7	Water	IN	11/15/2022	14:05	F3
SEEP-D-		0				
EFFLUENT-TSS-	000 04400 0	Surface		44/45/0000	44.00	50
111522	320-94480-8	Water	N	11/15/2022	14:00	FS
SEEP-A-INFLUENT-		Surface				
336-113022	320-94865-1	Water	N	11/30/2022	04:00	FS
SEEP-EQBLK-		Blank				
113022	320-94865-10	Water	N	11/30/2022	13:05	EB
SEEP-A-						
EFFLUENT-336-		Surface				
113022	320-94865-2	Water	N	11/30/2022	04:00	FS
SEEP-C-INFLUENT-		Surface				
336-113022	320-94865-3	Water	N	11/30/2022	04:00	FS
SEEP-C-						
EFFLUENT-336-		Surface				
113022	320-94865-4	Water	Ν	11/30/2022	04:00	FS
SEEP-D-INFLUENT-		Surface				
336-113022	320-94865-5	Water	Ν	11/30/2022	04:00	FS
SEEP-D-						
EFFLUENT-336-		Surface				
113022	320-94865-6	Water	Ν	11/30/2022	04:00	FS
SEEP-B-						
EFFLUENT-336-		Surface				
113022	320-94865-7	Water	Ν	11/30/2022	04:00	FS
SEEP-B-INFLUENT-		Surface				
336-113022	320-94865-8	Water	Ν	11/30/2022	04:00	FS
	020 0 1000 0	Blank			0.100	
SEEP-FBLK-113022	320-94865-9	Water	Ν	11/30/2022	13:00	FB
SEEP-A-INFLUENT-	020 04000 0	Surface		11/00/2022	10.00	
TSS-113022	320-94866-1	Water	Ν	11/30/2022	15:30	FS
SEEP-B-INFLUENT-	JZU-34000-1	Surface	Í N	11/30/2022	10.00	15
	220 04066 2	Water	N	11/30/2022	10:05	FS
TSS-113022	320-94866-2		ÍN	11/30/2022	10.05	го
SEEP-C-INFLUENT-	220 04000 2	Surface	NI	11/20/2022	11.05	<b>F</b> 0
TSS-113022	320-94866-3	Water	N	11/30/2022	11:05	FS
SEEP-D-INFLUENT-	000 0 1000 1	Surface	<b>.</b> .	11/00/0000	11.00	F0
TSS-113022	320-94866-4	Water	N	11/30/2022	11:20	FS
SEEP-A-						
EFFLUENT-TSS-		Surface				
113022	320-94866-5	Water	N	11/30/2022	15:35	FS
SEEP-B-						
EFFLUENT-TSS-		Surface				
113022	320-94866-6	Water	N	11/30/2022	10:00	FS

0555.0		-				
SEEP-C-						
EFFLUENT-TSS-		Surface				
113022	320-94866-7	Water	N	11/30/2022	11:00	FS
SEEP-D-						
EFFLUENT-TSS-		Surface				
113022	320-94866-8	Water	Ν	11/30/2022	11:25	FS
SEEP-A-INFLUENT-	020 0 1000 0	Surface		11/00/2022	11.20	
	000 05070 4			40/45/0000	44.45	50
TSS-121522	320-95372-1	Water	N	12/15/2022	11:45	FS
SEEP-EQBLK-		Blank				
121522	320-95372-10	Water	N	12/15/2022	11:35	EB
SEEP-A-						
EFFLUENT-TSS-		Surface				
121522	320-95372-2	Water	Ν	12/15/2022	11:50	FS
SEEP-B-INFLUENT-	020 00012 2			12/10/2022	11.00	
	000 05070 0	Surface	NI.	40/45/0000	40.05	50
TSS-121522	320-95372-3	Water	N	12/15/2022	12:25	FS
SEEP-B-						
EFFLUENT-TSS-		Surface				
121522	320-95372-4	Water	Ν	12/15/2022	12:20	FS
SEEP-C-INFLUENT-		Surface				
TSS-121522	320-95372-5	Water	Ν	12/15/2022	12:15	FS
	320 33372 3	Water		12/10/2022	12.10	10
SEEP-C-		0				
EFFLUENT-TSS-		Surface				
121522	320-95372-6	Water	N	12/15/2022	12:30	FS
SEEP-D-INFLUENT-		Surface				
TSS-121522	320-95372-7	Water	Ν	12/15/2022	12:10	FS
SEEP-D-						
EFFLUENT-TSS-		Surface				
121522	320-95372-8	Water	Ν	12/15/2022	12:05	FS
121522	320-95372-8		IN	12/15/2022	12.05	гə
		Blank				
SEEP-FBLK-121522	320-95372-9	Water	N	12/15/2022	11:30	FB
SEEP-A-INFLUENT-		Surface				
336-121422	320-95377-1	Water	Ν	12/14/2022	18:00	FS
SEEP-A-						
EFFLUENT-336-		Surface				
	320-95377-2		Ν	10/11/2000	10.00	FS
121422	320-95377-2	Water	IN	12/14/2022	18:00	гə
SEEP-B-INFLUENT-		Surface				
336-121422	320-95377-3	Water	N	12/14/2022	18:00	FS
SEEP-B-						
EFFLUENT-240-		Surface				
121422	320-95377-4	Water	Ν	12/14/2022	18:00	FS
SEEP-C-INFLUENT-		Surface				
	220 05277 F		NI	12/14/2022	10.00	FS
264-121422	320-95377-5	Water	N	12/14/2022	18:00	гэ
SEEP-C-						
EFFLUENT-336-		Surface				
121422	320-95377-6	Water	Ν	12/14/2022	18:00	FS
SEEP-D-INFLUENT-		Surface				
336-121422	320-95377-7	Water	Ν	12/14/2022	18:00	FS
SEEP-D-						· •
-		Curtosa				
EFFLUENT-336-	000 05077 0	Surface	<b>K</b> 1	40/44/0000	40.00	50
121422	320-95377-8	Water	N	12/14/2022	18:00	FS
SEEP-D-						
EFFLUENT-336-		Surface				
121422-D	320-95377-9	Water	Ν	12/14/2022	18:00	DUP

SEEP-A-INFLUENT-		Surface				
RAIN-24-121622	320-95413-1	Water	N	12/16/2022	07:13	FS
SEEP-A-	520-35415-1	valei	IN	12/10/2022	07.15	10
EFFLUENT-RAIN-		Surface				
24-121622	320-95413-2	Water	Ν	12/16/2022	07:07	FS
SEEP-C-INFLUENT-	320-33413-2	Surface	IN	12/10/2022	07.07	10
RAIN-24-121622	320-95413-3	Water	Ν	12/16/2022	07:23	FS
SEEP-C-	320-33413-3	Water	IN	12/10/2022	07.25	10
EFFLUENT-RAIN-		Surface				
24-121622	320-95413-4	Water	Ν	12/16/2022	07:44	FS
SEEP-D-INFLUENT-	320-33413-4	Surface	IN	12/10/2022	07.44	10
RAIN-24-121622	320-95413-5	Water	Ν	12/16/2022	07:19	FS
SEEP-D-	320-95413-5	Waler	IN	12/10/2022	07.19	гJ
EFFLUENT-RAIN-		Surface				
	220 05412 6	Surface Water	N	12/16/2022	07:21	FS
24-121622	320-95413-6	Water	IN	12/10/2022	07.21	го
SEEP-B- EFFLUENT-RAIN-		Surface				
24-121622	320-95413-7	Surface Water	N	12/16/2022	07:19	FS
	320-93413-7		IN	12/10/2022	07.19	гð
SEEP-B-INFLUENT-	220 05412 8	Surface	NI	10/10/0000	07.40	50
RAIN-24-121622	320-95413-8	Water	N	12/16/2022	07:19	FS
SEEP-A-INFLUENT-		Surface		40/40/0000	00.10	50
TSS-121622	320-95414-1	Water	N	12/16/2022	08:10	FS
SEEP-B-INFLUENT-		Surface		40/40/0000	00.45	50
TSS-121622	320-95414-2	Water	N	12/16/2022	09:15	FS
SEEP-C-INFLUENT-		Surface		10/10/0000	~~	
TSS-121622	320-95414-3	Water	N	12/16/2022	08:55	FS
SEEP-D-INFLUENT-	000 05444	Surface		40/40/0000	00.40	
TSS-121622	320-95414-4	Water	N	12/16/2022	08:40	FS
SEEP-A-		<b>•</b> (				
EFFLUENT-TSS-		Surface		40/40/0000	00.45	50
121622	320-95414-5	Water	N	12/16/2022	08:15	FS
SEEP-B-		<b>•</b> (				
EFFLUENT-TSS-		Surface		40/40/0000		
121622	320-95414-6	Water	N	12/16/2022	09:20	FS
SEEP-C-						
EFFLUENT-TSS-		Surface	K I	40/40/0000	00/00	F0
121622	320-95414-7	Water	N	12/16/2022	09:00	FS
SEEP-D-		Our fair and				
EFFLUENT-TSS-	220 05444 0	Surface	NI	12/16/2022	00.45	FS
	320-95414-8	Water	N	12/16/2022	08:45	го
SEEP-A-INFLUENT-		Surface	K I	10/00/0000	10.05	F0
TSS-122922	320-95637-1	Water	N	12/29/2022	10:05	FS
SEEP-B-INFLUENT-	000 05007 0	Surface	K I	10/00/0000	44.55	50
TSS-122922	320-95637-2	Water	N	12/29/2022	11:55	FS
SEEP-C-INFLUENT-	000 05007 0	Surface		40/00/0000	40.05	50
TSS-122922	320-95637-3	Water	N	12/29/2022	12:35	FS
SEEP-D-INFLUENT-		Surface		10/00/0000	40	
TSS-122922	320-95637-4	Water	N	12/29/2022	10:50	FS
SEEP-A-						
EFFLUENT-TSS-	000 07007 7	Surface		10/00/0000	10.10	
122922	320-95637-5	Water	N	12/29/2022	10:10	FS

		1		1		
SEEP-B-						
EFFLUENT-TSS-		Surface				
122922	320-95637-6	Water	N	12/29/2022	12:00	FS
SEEP-C-						
EFFLUENT-TSS-		Surface				
122922	320-95637-7	Water	Ν	12/29/2022	12:40	FS
SEEP-D-						
EFFULENT-TSS-		Surface				
122922	320-95637-8	Water	N	12/29/2022	10:55	FS
SEEP-A-INFLUENT-		Surface				
336-122922	320-95644-1	Water	Ν	12/29/2022	09:00	FS
SEEP-A-						
EFFLUENT-336-		Surface				
122922	320-95644-2	Water	N	12/29/2022	09:00	FS
SEEP-B-INFLUENT-		Surface				
336-122922	320-95644-3	Water	Ν	12/29/2022	09:00	FS
SEEP-B-						
EFFLUENT-336-		Surface				
122922	320-95644-4	Water	Ν	12/29/2022	09:00	FS
SEEP-C-INFLUENT-		Surface				
330-122922	320-95644-5	Water	Ν	12/29/2022	09:00	FS
SEEP-C-	020 000 11 0	Trator		12/20/2022	00100	
EFFLUENT-324-		Surface				
122922	320-95644-6	Water	Ν	12/29/2022	09:00	FS
SEEP-D-INFLUENT-	020 00044 0	Surface		12/20/2022	00.00	.0
324-122922	320-95644-7	Water	Ν	12/29/2022	09:00	FS
SEEP-D-	520 55044 7	vvaloi	1 1	12/20/2022	00.00	10
EFFLUENT-336-		Surface				
122922	320-95644-8	Water	Ν	12/29/2022	09:00	FS
122922	320-93044-0	water	IN	12/29/2022	09.00	го

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

# **Analytical Protocol**

Laboratory <sup>1</sup>	Method	Parameters
Eurofins Environ Testing		Per- and Polyfluorinated Alkyl
Northern Cali	CI. Spec. Table 3 Compound SOP	Substances (PFAS) <sup>2</sup>
Eurofins Environ Testing Northern Cali	SM 2540 D	Total Suspended Solids

<sup>1</sup> This laboratory name changed to Eurofins Environmental Testing Northern California

(former TestAmerica Sacramento), effective January 1, 2022.

<sup>2</sup> A list of 20 compounds including HFPO-DA.

### **ADQM Data Review Checklist**

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

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

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM)

process. Overall, the data are acceptable for use without qualification, except as noted on the attached

DVM Narrative Report.

The lab reports due to a large page count are stored on a network shared drive and are available to be

posted on external shared drives, or on a flash drive.

### Data Verification Module (DVM)

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

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

There are two qualifier fields in EIM:

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

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

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

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

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

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

## **DVM Narrative Report**

### Site: Fayetteville

Sampling Program:

Seep Flow Through Cell Sampling 2022

Validation Options:

LABSTATS

#### Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	Perfluoro(2- ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	Perfluoro(2- ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	R-PSDCA	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-111222		PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-111222		PFECA-G	0.048		PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		Perfluoro(2- ethoxyethane)sulfonic	0.0067		PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		PFECA B	0.027		PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222		PFECA-G	0.048		PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		PS Acid	0.020		PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		R-PSDCA	0.017		PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-111222		PFECA-G	0.048	UG/L	PQL		0.048	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222		Perfluoro(2- ethoxyethane)sulfonic	0.0067	UG/L	PQL		0.0067	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222		PFECA B	0.027	UG/L	PQL		0.027	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222		R-PSDCA	0.017		PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222		PS Acid	0.020		PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-7	EVE Acid	0.017	UG/L	PQL		0.017	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site:	Fayetteville
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Sampling Program: Seep F

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

#### Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-RAIN- 24-111222	- 11/12/2022 320-94470-7	PFO5DA	0.078	ug/L	PQL		0.078	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

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. The actual detection limits may be higher than reported.

	Date						Validation	Analytical			
Field Sample ID	Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Qualifier	Method	Pre-prep	Prep
SEEP-D-EFFLUENT-336- 121422	12/14/2022 320-95377-8	PMPA	0.010	UG/L	PQL		0.010	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-336- 121422	12/14/2022 320-95377-8	R-PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-336- 121422	12/14/2022 320-95377-8	Hydrolyzed PSDA	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-EFFLUENT-336- 121422	12/14/2022 320-95377-8	R-EVE	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-D-EFFLUENT-336- 21422	12/14/2022 320-95377-8	PEPA	0.020	UG/L	PQL		0.020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-D-EFFLUENT-336- 21422	12/14/2022 320-95377-8	PFO5DA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-D-EFFLUENT-336- 21422	12/14/2022 320-95377-8	PFMOAA	0.0020	ug/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-D-EFFLUENT-336- 21422	12/14/2022 320-95377-8	NVHOS, Acid Form	0.0020	UG/L	PQL		0.0020	UJ	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site:	Fayetteville
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Sampling Program: Se

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-336- 113022	11/30/2022 320-94865-1	PF030A	11 ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site:	Fayetteville
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Sampling Program: Seep Flow

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-EFFLUENT-336- 121422-D	12/14/2022 320-95377-9	PFMOAA	0.0043 ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Sampling Program: See

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

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

	particular sample.										
Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-336- 122922	12/29/2022 320-95644-1	R-PSDA	1.7	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 122922	12/29/2022 320-95644-1	Hydrolyzed PSDA	17	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 122922	12/29/2022 320-95644-1	R-EVE	0.75	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-EFFLUENT-336- 122922	12/29/2022 320-95644-4	Hydrolyzed PSDA	0.052	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 122922	12/29/2022 320-95644-3	R-PSDA	2.2	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 122922	12/29/2022 320-95644-3	Hydrolyzed PSDA	19	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 122922	12/29/2022 320-95644-3	R-EVE	1.5	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-330- 122922	12/29/2022 320-95644-5	R-PSDA	0.71	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-330- 122922	12/29/2022 320-95644-5	Hydrolyzed PSDA	0.72	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-330- 122922	12/29/2022 320-95644-5	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-324- 122922	12/29/2022 320-95644-7	R-PSDA	0.70	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-324- 122922	12/29/2022 320-95644-7	Hydrolyzed PSDA	1.4	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-324- 122922	12/29/2022 320-95644-7	R-EVE	0.71	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-1	R-PSDA	1.5	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-1	Hydrolyzed PSDA	14	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-1	R-EVE	0.61	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-8	R-PSDA	3.4	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-8	Hydrolyzed PSDA	26	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-8	R-EVE	1.9	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-3	R-PSDA	0.74	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-3	Hydrolyzed PSDA	0.79	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-3	R-EVE	0.62	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-5	R-PSDA	0.82	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
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Sampling Program: Se

Seep Flow Through Cell Sampling 2022

Validation Options: LAI

LABSTATS

Validation Reason Code:

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

	Date		_ ·		_			Validation	Analytical	_	-
Field Sample ID	Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Qualifier	Method	Pre-prep	Prep
SEEP-D-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-5	Hydrolyzed PSDA	1.8	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN- 24-121622	12/16/2022 320-95413-5	R-EVE	0.68	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 111522	11/15/2022 320-94477-1	R-PSDA	1.9	UG/L	PQL		0.71	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 111522	11/15/2022 320-94477-1	Hydrolyzed PSDA	19	UG/L	PQL		0.38	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 111522	11/15/2022 320-94477-3	R-PSDA	3.3	UG/L	PQL		0.71	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 111522	11/15/2022 320-94477-3	Hydrolyzed PSDA	29	UG/L	PQL		0.38	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 111522	11/15/2022 320-94477-3	R-EVE	1.2	UG/L	PQL		0.72	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 111522	11/15/2022 320-94477-5	R-PSDA	0.96	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 111522	11/15/2022 320-94477-5	Hydrolyzed PSDA	1.2	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 111522	11/15/2022 320-94477-5	R-EVE	0.72	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336- 111522	11/15/2022 320-94477-7	R-PSDA	0.46	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336- 111522	11/15/2022 320-94477-7	Hydrolyzed PSDA	1.0	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336- 111522	11/15/2022 320-94477-7	R-EVE	0.40	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336- 113022	11/30/2022 320-94865-2	Hydrolyzed PSDA	0.0061	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 113022	11/30/2022 320-94865-1	R-PSDA	2.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 113022	11/30/2022 320-94865-1	Hydrolyzed PSDA	29	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 113022	11/30/2022 320-94865-1	R-EVE	0.96	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 113022	11/30/2022 320-94865-8	R-PSDA	2.3	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 113022	11/30/2022 320-94865-8	Hydrolyzed PSDA	26	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 113022	11/30/2022 320-94865-8	R-EVE	1.1	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 113022	11/30/2022 320-94865-3	R-PSDA	0.78	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 113022	11/30/2022 320-94865-3	Hydrolyzed PSDA	1.3	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-336- 113022	11/30/2022 320-94865-3	R-EVE	0.96	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Sampling Program:

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code:

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

	particular sample.										
Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-336- 113022	11/30/2022 320-94865-5	R-PSDA	0.85	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336- 113022	11/30/2022 320-94865-5	Hydrolyzed PSDA	2.0	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-336- 113022	11/30/2022 320-94865-5	R-EVE	0.82	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 121422	12/14/2022 320-95377-1	R-PSDA	2.3	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 121422	12/14/2022 320-95377-1	Hydrolyzed PSDA	24	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-336- 121422	12/14/2022 320-95377-1	R-EVE	1.2	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 121422	12/14/2022 320-95377-3	R-PSDA	2.2	UG/L	PQL		0.35	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 121422	12/14/2022 320-95377-3	Hydrolyzed PSDA	19	UG/L	PQL		0.19	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-336- 121422	12/14/2022 320-95377-3	R-EVE	0.91	UG/L	PQL		0.36	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-264- 121422	12/14/2022 320-95377-5	R-PSDA	0.85	UG/L	PQL		0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-264- 121422	12/14/2022 320-95377-5	Hydrolyzed PSDA	1.1	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-264- 121422	12/14/2022 320-95377-5	R-EVE	0.90	UG/L	PQL		0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-EFFLUENT-RAIN 24-111222	I- 11/12/2022 320-94470-6	Hydrolyzed PSDA	0.0024	UG/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Sampling Program:

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
•		•			••					i ie-piep	•
SEEP-D-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-7	PFMOAA	56	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	Hydro-PS Acid	0.28	ug/L	PQL		0.0061	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222		-		·					Compound SOP		
SEEP-D-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-7	Hydro-EVE Acid	0.98	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	NVHOS, Acid Form	0.69	UG/L	PQL		0.015	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222	11/12/2022 520 54470 7		0.00	00/L	IQL		0.010	5	Compound SOP		
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	PFO2HxA	24	ug/L	PQL		0.027	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222		550004			501				Compound SOP		
SEEP-D-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-7	PF030A	5.9	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	PFO4DA	1.9	ug/L	PQL		0.059	J	Cl. Spec. Table 3		PFAS DI Prep
24-111222				- <u>g</u> , _				-	Compound SOP		· · · · · • · _ · · • • •
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	R-EVE	0.56	UG/L	PQL		0.072	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222 SEEP-D-INFLUENT-RAIN-	11/12/2022 220 04470 7	PEPA	1.9	UG/L	PQL		0.020	J	Compound SOP Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320-94470-7	FEFA	1.9	UG/L	FQL		0.020	J	Compound SOP		PPAS_DI_Plep
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	R-PSDA	0.72	UG/L	PQL		0.071	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-D-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-7	Hydrolyzed PSDA	1.6	UG/L	PQL		0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	PMPA	57	UG/L	PQL		0.62	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222			0.1	00/2	I QL		0.02	0	Compound SOP		
SEEP-D-INFLUENT-RAIN-	11/12/2022 320-94470-7	Hfpo Dimer Acid	17	UG/L	PQL		0.081	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222					501				Compound SOP		
SEEP-C-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-5	Hydro-PS Acid	0.35	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	Hydro-EVE Acid	1.0	UG/L	PQL		0.014	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	NVHOS, Acid Form	0.82	UG/L	PQL		0.015	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222 SEEP-C-INFLUENT-RAIN-	11/12/2022 320-04/70-5	PFMOAA	68	ug/L	PQL		0.080	J	Compound SOP Cl. Spec. Table 3		PFAS_DI_Prep
24-111222	11/12/2022 320-94470-3	FIMOAA	00	ug/∟	FQL		0.000	5	Compound SOP		FIA5_DI_FIep
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	R-EVE	0.53	UG/L	PQL		0.072	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-C-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-5	PEPA	2.6	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	PFO2HxA	26	ug/L	PQL		0.027	J	Cl. Spec. Table 3		PFAS DI Prep
24-111222			20	ag/E	. QL		0.021	0	Compound SOP		117.0 <u>_</u> D1_110p
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	PFO3OA	6.2	ug/L	PQL		0.039	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222					501		0.050		Compound SOP		
SEEP-C-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-5	PFO4DA	2.0	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	R-PSDA	0.85	UG/L	PQL		0.071	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
											Dama 0 of 12

Sampling Program:

Seep Flow Through Cell Sampling 2022

Validation Options:

LABSTATS

#### Validation Reason Code:

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

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	l Inits	Туре	MDL I	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
•		•			••					перер	-
SEEP-C-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-5	Hydrolyzed PSDA	4.5	UG/L	PQL	(	0.038	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	PMPA	8.8	UG/L	PQL		0.62	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222			0.0	00/2			0.02	C	Compound SOP		· · / · · · · · · · · · · · · · · · · ·
SEEP-C-INFLUENT-RAIN-	11/12/2022 320-94470-5	Hfpo Dimer Acid	16	UG/L	PQL	(	0.081	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	R-PSDA	1.8	UG/L	PQL	(	0.071	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	Hydrolyzed PSDA	19	UG/L	PQL	(	0.038	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222			10	00/2	. QL	·	0.000	0	Compound SOP		117.0 <u>_</u> D1_110p
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	PFMOAA	120	ug/L	PQL	(	0.080	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	EVE Acid	0.017	UG/L	PQL	(	0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	Hydro-PS Acid	0.41	ug/L	PQL	0	.0061	J	Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320 34470 3	Tiyalo T O Ada	0.41	ug/L	I QL	0.	.0001	5	Compound SOP		
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	Hydro-EVE Acid	0.60	UG/L	PQL	(	0.014	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	NVHOS, Acid Form	1.5	UG/L	PQL	(	0.015	J	Cl. Spec. Table 3		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-04/70-3	R-EVE	0.61	UG/L	PQL	(	0.072	J	Compound SOP Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320-34470-3		0.01	00/L	I QL	,	0.072	5	Compound SOP		
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	PEPA	4.9	UG/L	PQL	(	0.020	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	PS Acid	0.15	UG/L	PQL	(	0.020	J	Cl. Spec. Table 3		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	PFO2HxA	38	ug/L	PQL	(	0.027	J	Compound SOP Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320 34470 3		50	ug/L	I QL	,	0.021	5	Compound SOP		
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	PFO3OA	7.8	ug/L	PQL	(	0.039	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222				-					Compound SOP		
SEEP-B-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-3	PFO4DA	1.3	ug/L	PQL	(	0.059	J	Cl. Spec. Table 3		PFAS_DI_Prep
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-04/70-3	PMPA	16	UG/L	PQL		0.62	J	Compound SOP Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320-34470-3		10	00/L	I QL		0.02	5	Compound SOP		
SEEP-B-INFLUENT-RAIN-	11/12/2022 320-94470-3	Hfpo Dimer Acid	14	UG/L	PQL	(	0.081	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-A-INFLUENT-RAIN-	11/12/2022 320-94470-1	R-PSDA	1.0	UG/L	PQL	(	0.071	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222 SEEP-A-INFLUENT-RAIN-	11/12/2022 220 04470 1	Hydrolyzed PSDA	10	UG/L	PQL		0.038	J	Compound SOP Cl. Spec. Table 3		PFAS DI Prep
24-111222	11/12/2022 320-94470-1	Hydrolyzed FSDA	10	UG/L	FQL	(	0.030	J	Compound SOP		FFA5_DI_Flep
SEEP-A-INFLUENT-RAIN-	11/12/2022 320-94470-1	PMPA	8.0	UG/L	PQL		0.62	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222									Compound SOP		
SEEP-A-INFLUENT-RAIN-	11/12/2022 320-94470-1	Hfpo Dimer Acid	15	UG/L	PQL	(	0.081	J	Cl. Spec. Table 3		PFAS_DI_Prep
24-111222 SEED A INFLUENT DAIN	11/12/2022 220 04470 4		0.44				0 070	J	Compound SOP		
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	R-EVE	0.41	UG/L	PQL	(	0.072	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Sampling Program:

Seep Flow Through Cell Sampling 2022

Validation Options: LABSTATS

Validation Reason Code:

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

	Date							Validation	Analytical		
Field Sample ID	Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Qualifier	Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PEPA	2.5	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PS Acid	1.5	UG/L	PQL		0.020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PFO2HxA	24	ug/L	PQL		0.027	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-INFLUENT-RAIN- 24-111222	11/12/2022 320-94470-1	PF030A	5.7	ug/L	PQL		0.039	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	PFO4DA	2.8	ug/L	PQL		0.059	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	PFO5DA	0.92	ug/L	PQL		0.078	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	PFMOAA	50	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	EVE Acid	0.15	UG/L	PQL		0.017	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	Hydro-PS Acid	0.61	ug/L	PQL		0.0061	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	Hydro-EVE Acid	0.60	UG/L	PQL		0.014	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
EEP-A-INFLUENT-RAIN- 4-111222	11/12/2022 320-94470-1	NVHOS, Acid Form	0.66	UG/L	PQL		0.015	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Sampling Program: See

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.

	5.0000										
Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result	Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-A-INFLUENT-RAIN- <sup>2</sup> 24-121622	12/16/2022 320-95413-1	PFMOAA	62	ug/L	PQL		0.080	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep
SEEP-A-EFFLUENT-336- 7 113022	11/30/2022 320-94865-2	PFMOAA	0.063	ug/L	PQL		0.0020	J	Cl. Spec. Table 3 Compound SOP		PFAS_DI_Prep

Site:	Fayetteville
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Sampling Program: Seep

Seep Flow Through Cell Sampling 2022

Validation Reason Code:

The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled Lab Sample ID	Analyte	Result Units	Туре	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SEEP-D-INFLUENT-TSS- 122922	12/29/2022 320-95637-4	Total Suspended Solids	2.8 MG/L	MDL	1.1	4.0	J	SM 2540 D		