Permit # NC000XXXX **Month:** August **Year:** 2026

Facility: Chemours Company-Fayetteville Works **Class:** Pending **County:** Bladen

ORC: Jamie R. Lewis **Grade:** Pending **ORC Certification #** 994529

Has ORC Changed?: ☐ **Phone:** 910-678-1219

Certifed Lab Name: Eurofins Lancaster Laboratories Environmental **Lab#:** 521

Person(s) Collecting samples: Facility staff

Comments:
1. Non-detect influent and effluent sample results were assigned a value of zero for the calculation and the values from duplicate samples were averaged together.
2. Monthly average influent and effluent concentrations are volume-weighted based on "Average Calculations" worksheet.
3. Permit and discharge numbers pending per application submitted on June 4, 2021.
4. Rainfall was taken from Huske Dam USGS

Sampling Location: Influent **Discharge #** Pending

Date					50050	50050		52612	52613	52620									
	Composite/ Sample Start Time	Composite/ Sample End Time	Total Composite Time	Precipitation	Influent to EQ Storage	Influent to Treatment System	Influent Volumetric Weighting Factor	HFPO-DA	PFMOAA	PMPA									
	2400 clock	2400 clock	hrs	inches	mgd	mgd		ug/l	ug/l	ug/l									
1																			
2				0.88	0.113														
3				0.12	0.016														
4	800	1530	7.5	0.01	0.014	0.222	0.21	11	3.3	2.9									
5						0.045													
6																			
7				0.08	0.002														
8																			
9																			
10																			
11				0.07	0.009														
12				0.01	0.015														
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21				1.49	0.314														
22																			
23																			
24	800	1530	7.5	0.55	0.172	0.257	0.24	14	2.3	3.5									
25						0.312													
26						0.262													
27				6.16	0.315	0.059													
28	800	1530	7.5	0.04	0	0.201	0.19	8.3	4.6	2.7									
29				0.95	0.251														
30				0.01	0.015	0.05													
31	800	1530	7.5			0.377	0.36	8.2	5.1	2.3									
Composite(CP)/Grab(GR)/Recorder(RC):					**RC**	**RC**		**CP**	**CP**	**CP**									

Monthly Average Limit:																	
Monthly Average:	0.33	0.040	0.058		10	3.9	2.8										
Daily Maximum:	6.16	0.315	0.377	0.36	14	5.1	3.5										
Daily Minimum:	0.01	0.000	0.045	0.19	8	2.3	2.3										

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Person(s) Collecting samples: Facility staff

Comments: 1. Non-detect influent and effluent sample results were assigned a value of zero for the calculation and the values from duplicate samples were averaged together.
2. Monthly average influent and effluent concentrations are volume-weighted based on "Average Calculations" worksheet.

Sampling Location: Effluent **Discharge #** Pending

Date	Composite/ Sample Start Time	Composite/ Sample End Time	Total Composite Time	50050 Discharge from Treatment System	Effluent Volumetric Weighting Factor	52612 HFPO-DA	52613 PFMOAA	52620 PMPA	00400 pH	CO530 Total Suspended Solids									
	2400 clock	2400 clock	hrs	mgd		ug/l	ug/l	ug/l	su	mg/l									
1																			
2																			
3																			
4	800	1530	7.5	0.222	0.21	< 0.004	< 0.002	< 0.002	6.2	< 1.1									
5				0.045															
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24	800	1530	7.5	0.257	0.24	< 0.004	< 0.002	< 0.002	6.2	1.2									
25				0.312															
26				0.262															
27				0.059															
28	800	1530	7.5	0.201	0.19	< 0.004	< 0.002	< 0.002	6.2	1.9									
29																			
30				0.05															
31	800	1530	7.5	0.377	0.36	< 0.004	< 0.002	< 0.002	6.2	1.6									
Composite(CP)/Grab(GR)/Recorder(RC):				**RC**		**CP**	**CP**	**CP**	**CP**	**CP**									
Monthly Average Limit:																			
Monthly Average:				0.058		0.000	0.000	0.000	6.2	1.6									
Daily Maximum:				0.377	0.36	0.000	0.000	0.000	6.2	1.9									
Daily Minimum:				0.045	0.19	0.000	0.000	0.000	6.2	1.2									
Monthly Avg % Removal (99%):						**100.00**	**100.00**	**100.00**											

August 2026

EQUATION 1: SYSTEM REMOVAL EFFECTIVENESS FOR INDICATOR PARAMETERS CALCULATIONS

Date	Sample Number	Inputs for Monthly Evaluation Period of August 2026									
		Influent Concentration			Influent Volume	Effluent Concentration			Effluent Volume	Influent Concentration Volumetric Weighting Factor	Effluent Concentration Volumetric Weighting Factor
		HFPO-DA (*i*)	PFMOAA (*i*)	PMPA (*i*)		HFPO-DA (*i*)	PFMOAA (*i*)	PMPA (*i*)			
	m, n	$c_{inf,n,HFPO\text{-}DA}$	$c_{inf,n,PFMOAA}$	$c_{inf,n,PMPA}$	V_n	$c_{eff,m,HFPO\text{-}DA}$	$c_{eff,m,PFMOAA}$	$c_{eff,m,PMPA}$	V_m	w_n	w_m
	-	µg/L	µg/L	µg/L	mgd	µg/L	µg/L	µg/L	mgd	-	-
8/4/2026	1	11	3.3	2.9	0.222	< 0.004	< 0.002	< 0.002	0.222	0.21	0.21
8/24/2026	2	14	2.3	3.5	0.257	< 0.004	< 0.002	< 0.002	0.257	0.24	0.24
8/28/2026	3	8.3	4.6	2.7	0.201	< 0.004	< 0.002	< 0.002	0.201	0.19	0.19
8/31/2026	4	8.2	5.1	2.3	0.377	< 0.004	< 0.002	< 0.002	0.377	0.36	0.36

Results Monthly Evaluation Period of August 2026								
Volume-weighted Influent Concentration			Volume-weighted Effluent Concentration			Treatment System PFAS Removal Efficiency for HFPO-DA, PFMOAA, and PMPA		
$c_{inf,HFPO\text{-}DA}$	$c_{inf,PFMOAA}$	$c_{inf,PMPA}$	$c_{eff,HFPO\text{-}DA}$	$c_{eff,PFMOAA}$	$c_{eff,PMPA}$	$E_{TS\text{-}IXM\text{-}HFPO\text{-}DA}$	$E_{TS\text{-}IXM\text{-}PFMOAA}$	$E_{TS\text{-}IXM\text{-}PMPA}$
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	%	%	%
10	**4**	**3**	**0.000**	**0.000**	**0.000**	**100.0**	**100.0**	**100.0**

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Certifed Lab Name: Eurofins Lancaster Laboratories Environmental **Lab#:** 521

Person(s) Collecting samples: Facility staff

Comments:
1. Permit and discharge numbers are pending per application submitted on June 4, 2021.
2. Bypass occurred after 1" of rain in 24 hours and after the designed storm volume transferred.

Sampling Location: Bypass **Discharge #** Pending

Date	East Sump Grab Sample Start Time	West Sump Grab Sample Time	Precipitation	50050 East Sump Bypass Flow	50050 West Sump Bypass Flow	East Bypass Total Table 3+ (Total of 20 Compounds)	West Bypass Total Table 3+ (Total of 20 Compounds)											
	2400 clock	2400 clock	inches	mgd	mgd	ug/l	ug/l											
1																		
2	0.88																	
3	0.12																	
4	0.01																	
5																		
6																		
7	0.08																	
8																		
9																		
10																		
11	0.07																	
12	0.01																	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21	1.49	0.011	0.001															
22																		
23																		
24	0.55																	
25																		
26																		
27	6.16	0.12	0.075															
28	0.04	0.131	0.004															
29	0.95																	
30	0.01																	
31																		
Composite(CP)/Grab(GR)/Recorder(RC):				RC	RC	GR	GR											

Monthly Average Limit:																	
Monthly Average:	0.33																
Daily Maximum:	0.08																
Daily Minimum:	0.00																
Monthly Avg % Removal (99%):																	