

EQUATION 1: SYSTEM REMOVAL EFFECTIVENESS FOR INDICATOR PARAMETERS CALCULATIONS

Date	Sample Number	Inputs for Monthly Evaluation Period of			August	2025					
		Influent Concentration			Influent Volume	Effluent Concentration			Effluent Volume	Influent Concentration Volumetric Weighting Factor	Effluent Concentration Volumetric Weighting Factor
		HFPO-DA (<i>i</i>)	PFMOAA (<i>i</i>)	PMPA (<i>i</i>)		HFPO-DA (<i>i</i>)	PFMOAA (<i>i</i>)	PMPA (<i>i</i>)			
	<i>m, n</i>	<i>c_{inf,n,HFPO-DA}</i>	<i>c_{inf,n,PFMOAA}</i>	<i>c_{inf,n,PMPA}</i>	<i>V_n</i>	<i>c_{eff,m,HFPO-DA}</i>	<i>c_{eff,m,PFMOAA}</i>	<i>c_{eff,m,PMPA}</i>	<i>V_m</i>	<i>w_n</i>	<i>w_m</i>
	-	µg/L	µg/L	µg/L	mgd	µg/L	µg/L	µg/L	mgd	-	-
8/1/2025	1	25	1.4	1.3	0.108	< 0.002	< 0.002	< 0.01	0.108	0.20	0.20
8/5/2025	2	27	1.5	1.4	0.219	< 0.002	0.0026	< 0.01	0.219	0.41	0.41
8/12/2025	3	30	1.3	1.5	0.203	< 0.002	< 0.002	< 0.01	0.203	0.38	0.38

Results Monthly Evaluation Period of						August			2025		
Volume-weighted Influent Concentration			Volume-weighted Effluent Concentration			Treatment System PFAS Removal Efficiency for HFPO-DA, PFMOAA, and PMPA					
$c_{inf,HFPO-DA}$	$c_{inf,PFMOAA}$	$c_{inf,PMPA}$	$c_{eff,HFPO-DA}$	$c_{eff,PFMOAA}$	$c_{eff,PMPA}$	$E_{TS-IXM-HFPO-DA}$	$E_{TS-IXM-PFMOAA}$	$E_{TS-IXM-PMPA}$			
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	%	%	%			
28	1	1.4	0.000	0.000	0.000	100.0	100.0	100.0			

