

Patuxent Filtration Plant				
Sample date	Per- and polyfluoroalkyl substances (PFAS)	Result (ppt)	Minimum Reporting Level (ppt)	Health Reference Levels
May, 2024	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	not detected	5.0	n/a <sup>1</sup>
	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	not detected	2.0	n/a <sup>1</sup>
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	not detected	3.0	n/a <sup>1</sup>
	hexafluoropropylene oxide dimer acid (HFPO DA)	not detected	5.0	10-370 ppt <sup>9</sup>
	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	not detected	20.0	n/a <sup>1</sup>
	perfluorobutanoic acid (PFBA)	not detected	5.0	7,000 ppt <sup>10</sup>
	perfluorobutanesulfonic acid (PFBS)	not detected	3.0	420 -2,100 ppt <sup>2</sup>
	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	not detected	5.0	n/a <sup>1</sup>
	perfluorodecanoic acid (PFDA)	not detected	3.0	<20 ppt <sup>3</sup>
	perfluorododecanoic acid (PFDoA)	not detected	3.0	n/a <sup>1</sup>
	perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	not detected	3.0	n/a <sup>1</sup>
	perfluoroheptanesulfonic acid (PFHpS)	not detected	3.0	n/a <sup>1</sup>
	perfluoroheptanoic acid (PFHpA)	not detected	3.0	<20 ppt <sup>3</sup>
	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	not detected	3.0	n/a <sup>1</sup>
	perfluorohexanesulfonic acid (PFHxS)	not detected	3.0	18 - 140 ppt <sup>4</sup>
	perfluorohexanoic acid (PFHxA)	not detected	3.0	400,000 - 560,000 ppt <sup>5</sup>
	perfluoro-3-methoxypropanoic acid (PFMPA)	not detected	4.0	n/a <sup>1</sup>
	perfluoro-4-methoxybutanoic acid (PFMBA)	not detected	3.0	n/a <sup>1</sup>
	perfluorononanoic acid (PFNA)	not detected	4.0	6 - 21 ppt <sup>6</sup>
	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	not detected	5.0	n/a <sup>1</sup>
	perfluorooctanesulfonic acid (PFOS)	not detected	4.0	0.02 -20 ppt <sup>7</sup>
	perfluorooctanoic acid (PFOA)	not detected	4.0	0.004 - 20 ppt <sup>8</sup>
	perfluoropentanoic acid (PFPeA)	not detected	3.0	n/a <sup>1</sup>
	perfluoropentanesulfonic acid (PFPeS)	not detected	4.0	n/a <sup>1</sup>
	perfluoroundecanoic acid (PFUnA)	not detected	2.0	n/a <sup>1</sup>
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	not detected	5.0	n/a <sup>1</sup>
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	not detected	6.0	n/a <sup>1</sup>
	perfluorotetradecanoic acid (PFTA)	not detected	8.0	n/a <sup>1</sup>
perfluorotridecanoic acid (PFTTrDA)	not detected	7.0	n/a <sup>1</sup>	
Lithium	not detected	9000	n/a <sup>1</sup>	

#### Definitions

ppt = parts per trillion. One part per trillion is equivalent to one drop of water in 20 olympic-sized swimming pools

Minimum Reporting Level : The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision

Not Detected : A compound is either not present or present at such low concentrations that it cannot be accurately detected by the analytical method.

MCL : maximum contamination limit

#### Footnotes

<sup>1</sup> n/a = not applicable. There are no accepted standards for these compounds

<sup>2</sup> Michigan MCL of 420 ppt and 2,100 ppt Ohio EPA Action Level

<sup>3</sup> Massachusetts MCL for the sum of the six PFAS compounds known as PFAS-6

<sup>4</sup> New Hampshire MCL of 18 ppt and US EPA minimum risk level of 140 ppt for children

<sup>5</sup> Michigan MCL 400,000 ppt to 560,000 ppt Illinois health advisory level

<sup>6</sup> Michigan MCL 6 ppt to 21 ppt US CDC minimal risk level for children

<sup>7</sup> 0.02 ppt interim US EPA Health Advisory to 20 Massachusetts sum of six PFAS compounds known as PFAS-6

<sup>8</sup> 0.004 ppt interim US EPA Health Advisory to 20 Massachusetts sum of six PFAS compounds known as PFAS-6

<sup>9</sup> 10 ppt final US EPA Health Advisory to 370 ppt Michigan MCL

<sup>10</sup> Minnesota guidance value of 7,000 ppt

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	perfluorooctanoic acid (PFOA)	not detected	4.0	0.004 - 20 ppt <sup>8</sup>
	perfluoropentanoic acid (PFPeA)	3.9	3.0	n/a <sup>1</sup>
	perfluoropentanesulfonic acid (PFPeS)	not detected	4.0	n/a <sup>1</sup>
	perfluoroundecanoic acid (PFUnA)	not detected	2.0	n/a <sup>1</sup>
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	not detected	5.0	n/a <sup>1</sup>
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