

February 2022 Water Supply Well PFAS Analytical Results

Sample Name:			NPS Well		PW-010	PW-012		PW-037
Sample Date:			2/8/2022 DUP	2/8/2022	2/8/2022	2/9/2022 DUP	2/9/2022	2/8/2022
Analyte	EPA LHA	Units	Water	Water	Water	Water	Water	Water
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	6.9	6.6	<2.0	0.67 J	0.76 J	<2.0
Perfluorohexanoic acid (PFHxA)	-	ng/L	2.8	2.8	<2.0	<1.9	<1.9	<2.0
Perfluoroheptanoic acid (PFHpA)	-	ng/L	1.6 J	1.6 J	<2.0	<1.9	<1.9	<2.0
Perfluorononanoic acid (PFNA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	0.64 J	0.64 J	<2.0	<1.9	<1.9	<2.0
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<4.9	<4.9	<4.9	<4.7	<4.8	<5.0
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<4.9	<4.9	<4.9	<4.7	<4.8	<5.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.9	<2.0	<2.0	<1.9	<1.9	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.9	<3.9	<3.9	<3.8	<3.8	<4.0
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	8.2	8.3	<2.0	2.2	1.9	<2.0
Perfluorooctanoic acid (PFOA)		ng/L	2.3	2.0	<2.0	<1.9	<1.9	<2.0
LHA Combined (PFOS + PFOA)	70†	ng/L	11	10	N/A	2.2 ‡	1.9 ‡	N/A

Notes: Results reported from Eurofins Environmental Testing work order 320-84759-1.  
 DEC Alaska Department of Environmental Conservation  
 DUP Field-duplicate sample  
 EPA United States Environmental Protection Agency  
 † EPA LHA level is 70 ppt for PFOS and PFOA combined.  
 PFAS per- and poly-fluoroalkyl substances  
 ng/L nanograms per liter, equivalent to parts per trillion (ppt)  
 — No applicable regulatory limit exists for the associated analyte.  
 < Analyte was not detected; reported as <Reporting Limit (RL).  
 J Estimated concentration, detected greater than the method detection limit (MDL) and less than the reporting limit (RL). Flag applied by the laboratory.  
 JH Estimated concentration due to quality control failures, with high bias. Flag applied by Shannon & Wilson, Inc. (\*)  
 ‡ Minimum concentration, the LHA Combined concentration includes one or more result that is not detected greater than the MDL.

February 2022 Water Supply Well PFAS Analytical Results

Sample Name:			PW-038	PW-039	PW-040	PW-203	PW-205.1	PW-211
Sample Date:			2/8/2022	2/9/2022	2/9/2022	2/7/2022	2/8/2022	2/7/2022
Analyte	EPA LHA	Units	Water	Water	Water	Water	Water	Water
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	<1.9	<1.8	<1.9	<1.9	1.6 J	0.68 J
Perfluorohexanoic acid (PFHxA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluorononanoic acid (PFNA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	1.2 J
Perfluorodecanoic acid (PFDA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluorododecanoic acid (PFDoA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<4.6	<4.6	<4.7	<4.7	<4.7	<4.8
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<4.6	<4.6	<4.7	<4.7	4.1 J	<4.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<3.7	<3.7	<3.8	<3.8	<3.8	<3.9
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	<1.9	<1.8	<1.9	<1.9	1.5 J	0.78 JH
Perfluorooctanoic acid (PFOA)		ng/L	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9
LHA Combined (PFOS + PFOA)	70†	ng/L	N/A	N/A	N/A	N/A	1.5 J‡	0.78 JH‡

Notes: Results reported from Eurofins Environmental Testing work order 320-84759-1.  
 DEC Alaska Department of Environmental Conservation  
 DUP Field-duplicate sample  
 EPA United States Environmental Protection Agency  
 † EPA LHA level is 70 ppt for PFOS and PFOA combined.  
 PFAS per- and poly-fluoroalkyl substances  
 ng/L nanograms per liter, equivalent to parts per trillion (ppt)  
 — No applicable regulatory limit exists for the associated analyte.  
 < Analyte was not detected; reported as <Reporting Limit (RL).  
 J Estimated concentration, detected greater than the method detection limit (MDL) and less than the reporting limit (RL). Flag applied by the laboratory.  
 JH Estimated concentration due to quality control failures, with high bias. Flag applied by Shannon & Wilson, Inc. (\*)  
 ‡ Minimum concentration, the LHA Combined concentration includes one or more result that is not detected greater than the MDL.

February 2022 Water Supply Well PFAS Analytical Results

Analyte	EPA LHA	Units	Sample Name:	PW-401	
			PW-221	2/7/2022 DUP	2/7/2022
			Sample Date:	2/7/2022	2/7/2022
			Water	Water	Water
Perfluorohexanesulfonic acid (PFHxS)	-	ng/L	<2.0	1.4 J	1.1 J
Perfluorohexanoic acid (PFHxA)	-	ng/L	<2.0	<1.9	<1.9
Perfluoroheptanoic acid (PFHpA)	-	ng/L	<2.0	<1.9	<1.9
Perfluorononanoic acid (PFNA)	-	ng/L	<2.0	<1.9	<1.9
Perfluorobutanesulfonic acid (PFBS)	-	ng/L	<2.0	<1.9	<1.9
Perfluorodecanoic acid (PFDA)	-	ng/L	<2.0	<1.9	<1.9
Perfluoroundecanoic acid (PFUnA)	-	ng/L	<2.0	<1.9	<1.9
Perfluorododecanoic acid (PFDoA)	-	ng/L	<2.0	<1.9	<1.9
Perfluorotridecanoic acid (PFTrDA)	-	ng/L	<2.0	<1.9	<1.9
Perfluorotetradecanoic acid (PFTeA)	-	ng/L	<2.0	<1.9	<1.9
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	-	ng/L	<5.0	<4.7	<4.7
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	-	ng/L	<5.0	<4.7	<4.7
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	ng/L	<2.0	<1.9	<1.9
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	ng/L	<2.0	<1.9	<1.9
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	-	ng/L	<2.0	<1.9	<1.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	ng/L	<4.0	<3.8	<3.8
Perfluorooctanesulfonic acid (PFOS)	70†	ng/L	0.61 J	17	15
Perfluorooctanoic acid (PFOA)		ng/L	<2.0	<1.9	<1.9
LHA Combined (PFOS + PFOA)	70†	ng/L	0.61 J‡	17 ‡	15 ‡

Notes: Results reported from Eurofins Environmental Testing work order 320-84759-1.  
 DEC Alaska Department of Environmental Conservation  
 DUP Field-duplicate sample  
 EPA United States Environmental Protection Agency  
 † EPA LHA level is 70 ppt for PFOS and PFOA combined.  
 PFAS per- and poly-fluoroalkyl substances  
 ng/L nanograms per liter, equivalent to parts per trillion (ppt)  
 — No applicable regulatory limit exists for the associated analyte.  
 < Analyte was not detected; reported as <Reporting Limit (RL).  
 J Estimated concentration, detected greater than the method detection limit (MDL) and less than the reporting limit (RL). Flag applied by the laboratory.  
 JH Estimated concentration due to quality control failures, with high bias. Flag applied by Shannon & Wilson, Inc. (\*)  
 ‡ Minimum concentration, the LHA Combined concentration includes one or more result that is not detected greater than the MDL.