Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			C1										
Location ID:			C1						ST13006		ST13008	ST13014	
Sample ID:			LORNG_C1_ST_06142022	LORNG_C1_ST_10042023	LORNG_C1_ST_06042024	LORNG_C1_ST_09252024BF	LORNG_C1_ST_10082024PF	LORNG_C1_ST_10102024MF	LORNG_ST13006_10042023	LORNG_ST13006_06052024	LORNG_ST13008_06042024	LORNG_ST13014_06152022	LORNG_ST13014_10042023
Sample Date:			6/14/2022	10/4/2023	6/4/2024	9/25/2024	10/8/2024	10/10/2024	10/4/2023	6/5/2024	6/4/2024	6/15/2022	10/4/2023
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N	N	N	N
Latitude:			46.93986158	46.93986158	46.93986158	46.93986158	46.93986158	46.93986158	46.94712716	46.94712716	46.9469746	46.9456077	46.9456077
Longitude:			-67.89600838	-67.89600838	-67.89600838	-67.89600838	-67.89600838	-67.89600838	-67.89533006	-67.89533006	-67.89396239	-67.8934712	-67.8934712
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	4.5 J	7.6	18.4	9 J	3.6 J	6.1 J	12	14.7 J	8.5 J	4.9 J	8.3
Perfluoropentanoic acid (PFPeA)	-	-	5.6	10	8.5	15.3	4.8	9.3	27	32.7	5.5 J	7.8	15
Perfluorohexanoic acid (PFHxA)	46000	33800	3.9	8.6	6	12.3	4.8	8	19	23.9	5.1	5.8	11
Perfluoroheptanoic acid (PFHpA)	-	-	3.6	6.6	4.4	7.9	4.5	7.3	20	24.3	3.6 J	7.6	11
Perfluorooctanoic acid (PFOA)	0.25	36400	3.7	6.2	5	8.9	2.6	4.6	12	14.9	3.1 J	6.4	8.3
Perfluorononanoic acid (PFNA)	260	88	1.8 U	1.1 J	0.88 J	1.1 J	0.63 J	0.89 J	1.8	2.9 J	1.9 U	1.5 J	1.5 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	1 U	1.9 U	2.1 U	0.95 U	0.87 U	1 U	2 U	1.9 U	1.8 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	0.5 U	1.9 U	2.1 U	1.4 U	1.3 U	0.5 U	2 U	1.9 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	1 U	1.9 U	2.1 U	0.95 U	0.87 U	1 U	2 U	1.9 U	1.8 U	1 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	1 U	1.9 U	2.1 UJ	1.4 U	1.3 U	1 U	2 U	1.9 U	1.8 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	0.5 U	1.9 U	2.1 U	0.95 U	0.87 U	0.5 U	2 U	1.9 U	1.8 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.3 J	1.8	1.5 J	2.7 J	1 J	2	2.4	2.9 J	1 J	1.1 J	1.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.2 J	2.2	1.6 J	3.3 J	1 J	2.4	3.9	5.6	1.3 J	1.6 J	2.6
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	16.3	28	22.4	38.4	13	28	42	50.4	21.6	23.7	33
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.8 U	0.7 J	1.3 J	1.5 J	0.27 J	0.59 J	0.96 J	2.7 J	1.9 U	1.3 J	0.9 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	27.2	37	56.9 J+	40.4	17	33	44	87.9	22.5	51.8	53
Perfluorononanesulfonic acid (PFNS)	-		1.8 UJ	0.94 U	1.9 U	2.1 U	1.3 U	1.2 U	0.94 U	2 U	1.9 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-		1.8 UJ	0.47 U	1.9 UJ	2.1 UJ	1.3 U	1.2 U	0.47 U	2 U	1.9 UJ	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-		NA	1 U	3.8 U	4.2 U	0.95 U	0.87 U	1 U	4 U	3.8 U	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		3.6 U	1.9 U	7.5 U	8.4 U	3.6 U	3.3 U	1.9 U	8 U	7.7 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		3.6 U	1.3 J	7.5 U	8.4 U	3.7 U	1.2 J	6.5	13 J	7.7 UJ	1.8 J	2.5 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.6 U	3.8 U	7.5 U	8.4 U	5.3 U	4.8 U	3.8 U	8 U	7.7 U	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-		1.8 UJ	0.18 J	1.9 U	2.1 U	0.32 J	0.47 J	0.22 J	2 U	1.9 U	1.8 U	0.2 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		0 R	0 R	3.8 U	4.2 U	1.3 U	1.3 U	0 R	4 U	3.8 U	3.6 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		NA	0 R	3.8 U	4.2 U	1.3 U	1.3 U	0 R	4 U	3.8 U	NA	1 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.6 U	1 U	3.8 U	4.2 U	1.4 U	1.3 U	1 U	4 U	3.8 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.6 U	1 U	3.8 U	4.2 U	0.95 U	0.87 U	1 U	4 U	3.8 U	3.6 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		NA	2.5 U	19 UJ	21 U	9.5 U	8.7 U	2.5 U	20 U	19 UJ	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		NA	5 U	19 UJ	21 U	9.5 U	8.7 U	5 U	20 U	19 UJ	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		NA	4 U	1.9 U	2.1 U	3.8 U	3.4 U	4 U	2 U	1.9 U	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		NA	3.8 U	3.8 U	4.2 U	3.6 U	3.3 U	3.8 U	4 U	3.8 U	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		NA	2 U	1.9 U	2.1 UJ	3.2 U	3 U	2 U	2 U	1.9 U	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		NA	0.5 U	3.8 U	4.2 U	1.4 U	1.3 U	0.5 U	4 U	3.8 U	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		NA	60 U	3.8 U	4.2 U	28 U	26 U	60 U	4 U	3.8 U	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		NA	6.6 U	3.8 U	4.2 U	3.6 U	3.3 U	6.6 U	4 U	3.8 U	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		NA	6.6 U	3.8 U	4.2 U	2.6 U	2.4 U	6.6 U	4 U	3.8 U	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		NA	3.1 U	1.9 U	2.1 U	2.4 U	2.2 U	3.1 U	2 U	1.9 U	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		NA	8.8 U	9.4 U	11 U	6.9 U	6.3 U	8.8 U	10 U	9.6 U	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		NA	31 U	19 U	21 U	35 U	32 U	31 U	20 U	19 U	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		NA	31 U	19 U	21 U	35 U	32 U	31 U	20 U	19 U	NA	31 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			C1							C2			
Location ID:			ST13014		ST13017	ST13019	ST13020	ST13022	ST13023	C2			
Sample ID:			LORNG_ST13014_06042024	LORNG_ST13014_06042024FD	LORNG_ST13017_10042023	LORNG_ST13019_06052024	LORNG_ST13020_06052024	LORNG_ST13022_06052024	LORNG_ST13023_06052024	LORNG_C2_ST_06142022	LORNG_C2_ST_10042023	LORNG_C2_ST_10042023FD	LORNG_C2_ST_06042024
Sample Date:			6/4/2024	6/4/2024	10/4/2023	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/14/2022	10/4/2023	10/4/2023	6/4/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	FD	N	N	N	N	N	N	N	FD	N
Latitude:			46.9456077	46.9456077	46.9498578	46.94818001	46.95280202	46.95257899	46.94590201	46.93985327	46.93985327	46.93985327	46.93985327
Longitude:			-67.8934712	-67.8934712	-67.89636599	-67.89580102	-67.89740301	-67.89598	-67.89494998	-67.89599246	-67.89599246	-67.89599246	-67.89599246
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	78.6	74.7	6.2 J	5.2 J	6.9 J	7.2 J	4.5 J	4.3 J	7	7	11.4 J
Perfluoropentanoic acid (PFPeA)	-	-	11.8	12.2	12	4.4 J	1.2 J	6.6 J	5.6 J	5.4	10	9.9	11.4
Perfluorohexanoic acid (PFHxA)	46000	33800	6.6	7.9	8.7	3.8 J	1.4 J	6.9	4.4	3.5 J	8.6	8.5	7.7
Perfluoroheptanoic acid (PFHpA)	-	-	6.4	6.5	8.3	3.4 J	1.1 J	6.4	4 J	3.3 J	6.3	6.5	5
Perfluorooctanoic acid (PFOA)	0.25	36400	5.2	5.3	5.7	3.1 J	1.1 J	6.1	3.6 J	3.5 J	6.6	6.5	5.6
Perfluorononanoic acid (PFNA)	260	88	1.1 J	1 J	0.84 J	1.9 U	1.9 U	1.6 J	2 U	2 U	1.1 J	1.3 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.9 U	2 U	1 U	1.9 U	1.9 U	2.1 U	2 U	2 U	1 U	1 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.9 U	2 U	0.5 U	1.9 U	1.9 U	2.1 U	2 U	2 U	0.5 U	0.5 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	1.9 U	2 U	1 U	1.9 U	1.9 U	2.1 U	2 U	2 U	1 U	1 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.9 U	2 U	1 U	1.9 U	1.9 U	2.1 U	2 U	2 U	1 U	1 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.9 U	2 U	0.5 U	1.9 U	1.9 U	2.1 U	2 U	2 U	0.5 U	0.5 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.97 J	1.3 J	1.4	0.93 J	1.9 U	1.9 J	1.3 J	1.4 J	2.2	1.9	1.4 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.6 J	1.3 J	1.9	1.2 J	3.7 U	2.2 J	1.5 J	1.1 J	2.1	2.1	2.1 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	22	21.6	20	13.5	5.7	23.4	16.4	15.1	27	28	27.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.71 J	1.3 J	0.46 J	0.6 J	1.9 U	0.75 J	0.56 J	2 U	0.68 J	0.66 J	0.58 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	33.3	33.4	22	12.2	6.2	21	9	24.2	35	45	43
Perfluorononanesulfonic acid (PFNS)	-		1.9 U	2 U	0.94 U	1.9 U	1.9 U	2.1 U	2 U	2 U	0.94 U	0.94 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-		1.9 UJ	2 UJ	0.47 U	1.9 U	1.9 U	2.1 U	2 U	2 U	0.47 U	0.47 U	1.8 UJ
Perfluorododecanesulfonic acid (PFDoS)	-		3.8 U	3.9 U	1 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	1 U	1 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		7.7 U	7.8 U	1.9 U	7.8 U	7.4 U	8.3 U	8.2 U	4 U	1.9 U	1.9 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		7.7 UJ	7.8 UJ	1.9 U	7.8 U	7.4 U	8.3 U	8.2 U	4 U	1.5 J	1.5 J	7.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		7.7 U	7.8 U	3.8 U	7.8 U	7.4 U	8.3 U	8.2 U	4 U	3.8 U	3.8 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-		1.9 U	2 U	0.25 U	1.9 U	1.9 U	2.1 U	2 U	2 U	0.21 J	0.27 J	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		3.8 U	3.9 U	0 R	3.9 U	3.7 U	4.2 U	4.1 U	0 R	1 UJ	0 R	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		3.8 U	3.9 U	0 R	3.9 U	3.7 U	4.2 U	4.1 U	NA	1 UJ	0 R	3.6 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.8 U	3.9 U	1 U	3.9 U	3.7 U	4.2 U	4.1 U	4 U	1 U	1 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.8 U	3.9 U	1 U	3.9 U	3.7 U	4.2 U	4.1 U	4 U	1 U	1 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		19 UJ	20 UJ	2.5 U	19 U	19 U	21 U	20 U	NA	2.5 U	2.5 U	18 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		19 UJ	20 UJ	5 U	19 U	19 U	21 U	20 U	NA	5 U	5 U	18 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		1.9 U	2 U	4 U	1.9 U	1.9 U	2.1 U	2 U	NA	4 U	4 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	3.9 U	3.8 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	3.8 U	3.8 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		1.9 U	2 U	2 U	1.9 U	1.9 U	2.1 U	2 U	NA	2 U	2 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		3.8 U	3.9 U	0.5 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	0.5 U	0.5 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		3.8 U	3.9 U	60 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	60 U	60 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		3.8 U	3.9 U	6.6 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	6.6 U	6.6 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		3.8 U	3.9 U	6.6 U	3.9 U	3.7 U	4.2 U	4.1 U	NA	6.6 U	6.6 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		1.9 U	2 U	3.1 U	1.9 U	1.9 U	2.1 U	2 U	NA	3.1 U	3.1 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		9.6 U	9.8 U	8.8 U	9.7 U	9.3 U	10 U	10 U	NA	8.8 U	8.8 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		19 U	20 U	31 U	19 U	19 U	21 U	20 U	NA	31 U	31 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		19 U	20 U	31 U	19 U	19 U	21 U	20 U	NA	31 U	31 U	18 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			C2									C3	
Location ID:			C2				ST07008	ST13015		ST18008	ST18009	C3	
Sample ID:			LORNG_C2_ST_06042_024FD	LORNG_C2_ST_09252_024BF	LORNG_C2_ST_10082_024PF	LORNG_C2_ST_10102_024MF	LORNG_ST07008_060_42024	LORNG_ST13015_061_52022	LORNG_ST13015_060_42024	LORNG_ST18008_061_62022	LORNG_ST18009_061_62022	LORNG_C3_ST_06142_022	LORNG_C3_ST_06142_022FD
Sample Date:			6/4/2024	9/25/2024	10/8/2024	10/10/2024	6/4/2024	6/15/2022	6/4/2024	6/16/2022	6/16/2022	6/14/2022	6/14/2022
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			FD	N	N	N	N	N	N	N	N	N	FD
Latitude:			46.93985327	46.93985327	46.93985327	46.93985327	46.94224401	46.9462686	46.9462686	46.9494112	46.9460516	46.93984768	46.93984768
Longitude:			-67.89599246	-67.89599246	-67.89599246	-67.89599246	-67.89398499	-67.8907269	-67.8907269	-67.8861675	-67.8869344	-67.89597251	-67.89597251
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	10.5 J	11.5 J	3.7 J	6 J	6.5 J	4.2 J	6.6 J	2.9 J	5.9 J	13.3	13.3
Perfluoropentanoic acid (PFPeA)	-	-	8.8	26.5	5.4	9.8	5.8 J	4.3	8	1.8 U	1.8 U	35.9	36.1
Perfluorohexanoic acid (PFHxA)	46000	33800	7.8	17.9	5	8.5	5.2	3 J	7	1.7 J	1.8 U	33.7	34.1
Perfluoroheptanoic acid (PFHpA)	-	-	5	10.9	4.7	7.5	3.2 J	2.5 J	4.7	1.8 U	1.5 J	21.7	22.6
Perfluorooctanoic acid (PFOA)	0.25	36400	5.5	13.2	2.7	5.1	2.8 J	2.3 J	4.5	1.5 J	1.3 J	35.3	35.6
Perfluorononanoic acid (PFNA)	260	88	1.1 J	3.3 J	0.72 J	0.81 J	0.7 J	1.8 U	2 U	1.8 U	1.8 U	3.5 J	3.4 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	2 U	0.84 U	0.87 U	2 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	2 U	1.2 U	1.3 U	2 U	1.8 U	2 U	1.8 UJ	1.8 U	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	2 U	0.84 U	0.87 U	2 U	1.8 U	2 U	8.9 U	1.8 U	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	2 U	1.2 U	1.3 U	2 U	1.8 U	2 U	8.9 U	1.8 U	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	2 U	0.84 U	0.87 U	2 U	1.8 UJ	2 U	8.9 U	8.9 UJ	1.8 U	1.8 UJ
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.9 J	3.9 J	0.98 J	2	1.3 J	1.8 U	1.8 J	1.8 U	1.8 U	5.7	4.8
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.8 J	5.4	1.1 J	2.6	3.9 U	1.8 U	1.8 J	1.8 U	1.8 U	6.7	6.6
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	27.5	51.7	14	28	14.2	11.4	21.5	11	1.8 U	130	131
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.81 J	2.7 J	0.35 J	0.51 J	0.49 J	1.8 U	0.95 J	1.8 U	1.8 U	5.8	6
Perfluorooctanesulfonic acid (PFOS)	10	12.8	39.3	122	20	29	11.8	15.6	18.1	11.1	1.8 U	234	238
Perfluorononanesulfonic acid (PFNS)	-		1.8 U	2 U	1.2 U	1.2 U	2 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-		1.8 UJ	2 U	1.2 U	1.2 U	2 UJ	1.8 U	2 UJ	1.8 U	1.8 U	1.8 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-		3.6 U	4.1 U	0.84 U	0.87 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		7.3 U	82 U	3.2 U	3.2 U	7.8 U	3.6 U	7.8 U	3.6 U	3.6 U	3.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		7.3 U	3.9 J	3.3 U	3.3 U	7.8 UJ	3.6 U	7.8 UJ	3.6 U	3.6 U	56.8	58.1
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		7.3 U	8.2 U	4.7 U	4.8 U	7.8 U	3.6 U	7.8 U	3.6 U	3.6 U	8.2	8.2
Perfluorooctane sulfonamide (PFOSA)	-		1.8 U	0.78 J	0.33 J	0.41 J	2 U	1.8 U	2 U	0 R	1.8 U	13.6 J	13.9 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		3.6 U	4.1 U	1.2 U	1.3 U	3.9 U	0 R	3.9 U	0 R	0 R	0 R	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		3.6 U	4.1 UJ	1.2 U	1.3 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.6 U	4.1 U	1.2 U	1.3 U	3.9 U	3.6 U	3.9 U	3.6 U	3.6 U	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.6 U	4.1 U	0.84 U	0.87 U	3.9 U	3.6 U	3.9 U	3.6 UJ	3.6 U	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		18 UJ	20 U	8.4 U	8.7 U	20 UJ	NA	20 UJ	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		18 UJ	20 U	8.4 U	8.7 U	20 UJ	NA	20 UJ	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		1.8 U	2 U	3.4 U	3.4 U	2 U	NA	2 U	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.6 U	4.1 U	3.2 U	3.2 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		1.8 U	2 U	2.9 U	2.9 U	2 U	NA	2 U	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		3.6 U	4.1 U	1.2 U	1.3 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		3.6 U	4.1 U	25 U	26 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		3.6 U	4.1 U	3.2 U	3.2 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		3.6 U	4.1 U	2.3 U	2.4 U	3.9 U	NA	3.9 U	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		1.8 U	2 U	2.1 U	2.2 U	2 U	NA	2 U	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		9.1 U	10 U	6.1 U	6.3 U	9.8 U	NA	9.8 U	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		18 U	20 U	31 U	31 U	20 U	NA	20 U	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		18 U	20 U	31 U	31 U	20 U	NA	20 U	NA	NA	NA	NA

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			C3										
Location ID:			C3							ST07001	ST07001	ST07002	
Sample ID:			LORNG_C3_ST_10052023	LORNG_C3_ST_10052023FD	LORNG_C3_ST_06042024	LORNG_C3_ST_06042024FD	LORNG_C3_ST_09252024BF	LORNG_C3_ST_10082024PF	LORNG_C3_ST_10102024MF	LORNG_ST07001_06142022	LORNG_ST07001_10052023	LORNG_ST07002_06142022	LORNG_ST07002_10052023
Sample Date:			10/5/2023	10/5/2023	6/4/2024	6/4/2024	9/25/2024	10/8/2024	10/10/2024	6/14/2022	10/5/2023	6/14/2022	10/5/2023
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	FD	N	FD	N	N	N	N	N	N	N
Latitude:			46.93984768	46.93984768	46.93984768	46.93984768	46.93984768	46.93984768	46.93984768	46.9429909	46.9429909	46.9431833	46.9431833
Longitude:			-67.89597251	-67.89597251	-67.89597251	-67.89597251	-67.89597251	-67.89597251	-67.89597251	-67.8913362	-67.8913362	-67.8899266	-67.8899266
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	24	24	16.9	16.8	32.5	30	15	65.3	46	19.5	220
Perfluoropentanoic acid (PFPeA)	-	-	79	81	49.1	52.6	110	110	43	215	140	62.2	750
Perfluorohexanoic acid (PFHxA)	46000	33800	86	89	54.6	57.7	113	84	38	263	160	43.9	510
Perfluoroheptanoic acid (PFHpA)	-	-	40	40	22.9	24.1	48.8	95	27	182	98	51.2	450
Perfluorooctanoic acid (PFOA)	0.25	36400	87	88	48.4	53.6	113	59	26	305	140	51.5	460
Perfluorononanoic acid (PFNA)	260	88	6.5	5.9	3.7	4	7.3	11	3.7	43.8	10	7.4	93
Perfluorodecanoic acid (PFDA)	0.2	71.6	0.66 J	0.66 J	0.72 J	0.56 J	0.71 J	1.7	1.3 J	7.6 J	0.66 J	1 J	5.6 J
Perfluoroundecanoic acid (PFUnA)	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1.9 U	0.56 J	1.2 U	8.9 U	0.5 U	1.8 U	5 U
Perfluorododecanoic acid (PFDoA)	-	-	1 U	1 U	1.8 U	1.8 U	1.9 U	0.84 U	0.81 U	36 U	1 U	1.8 U	10 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1 U	1 U	1.8 U	1.8 U	1.9 U	1.2 U	1.2 U	36 U	1 U	1.8 U	10 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1.9 U	0.84 U	0.81 U	36 U	0.5 U	8.9 U	5 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	15	15	8.5	9.8	17.3	5	5	17.1 J	18	4.2	60
Perfluoropentanesulfonic acid (PFPeS)	-	-	21	23	10.1	11.1	27.4	7.1	6.7	28.3	32	7	110
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	310	300	194	206	423	140	100	1180	680	115	1700
Perfluoroheptanesulfonic acid (PFHpS)	-	-	8.8	8	6.6	6.3	17.8	3.9	3.2	31.9	15	4.4	68
Perfluorooctanesulfonic acid (PFOS)	10	12.8	540	510	346	337	665	290	270	2440	620	192	2600
Perfluorononanesulfonic acid (PFNS)	-		0.94 U	0.94 U	1.1 J	0.98 J	1.8 J	1.1 U	1.1 U	14.2 J	0.94 U	1.8 U	9.4 U
Perfluorodecanesulfonic acid (PFDS)	-		0.47 U	0.47 U	1.8 UJ	1.8 UJ	1.9 U	1.1 U	1.1 U	8.9 U	0.47 U	1.8 U	4.7 U
Perfluorododecanesulfonic acid (PFDoS)	-		1 U	1 U	3.6 U	3.6 U	3.9 U	0.84 U	0.81 U	NA	1 U	NA	10 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		2.1 J	2.1 J	7.3 U	7.1 U	78 U	3.2 U	3 U	18 U	2 J	3.6 U	17 J
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		100	120	59.6	70.9	135	65	32	47.3	110	28.8	1000
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		23	17	17.2 J	13.7 J	26.3	29	30	56.1	28	11.5	64
Perfluorooctane sulfonamide (PFOSA)	-		12	12	10.9	11.2	17.1	45	19	140	30	10.6 J	120
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		1 U	1 U	3.6 U	3.6 U	3.9 U	1.2 U	1.2 U	71 U	1 U	0 R	10 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		1 UJ	1 U	3.6 U	3.6 U	3.9 UJ	1.2 U	1.2 U	NA	1 U	NA	10 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		1 U	1 U	3.6 U	3.6 U	3.9 U	1.2 U	1.2 U	3.6 U	1 U	3.6 U	10 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		1 U	1 U	3.6 U	3.6 U	3.9 U	0.84 U	0.81 U	3.6 U	1 U	3.6 U	10 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		2.5 U	2.5 U	18 UJ	18 UJ	19 U	8.4 U	8.1 U	NA	2.5 U	NA	25 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		5 U	5 U	18 UJ	18 UJ	19 U	8.4 U	8.1 U	NA	5 U	NA	50 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		4 U	4 U	1.8 U	1.8 U	1.9 U	3.4 U	3.2 U	NA	4 U	NA	40 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	3.8 U	3.6 U	3.6 U	3.9 U	3.2 U	3 U	NA	3.8 U	NA	38 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		2 U	2 U	1.8 U	1.8 U	1.9 U	2.9 U	2.8 U	NA	2 U	NA	20 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		0.5 U	0.5 U	3.6 U	3.6 U	3.9 U	1.2 U	1.2 U	NA	0.5 U	NA	5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		60 U	60 U	3.6 U	3.6 U	3.9 U	25 U	24 U	NA	60 U	NA	600 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		6.6 U	6.6 U	3.6 U	3.6 U	3.9 U	3.2 U	3 U	NA	6.6 U	NA	66 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		6.6 U	6.6 U	3.6 U	3.6 U	3.9 U	2.3 U	2.2 U	NA	6.6 U	NA	66 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		3.1 U	3.1 U	1.8 U	1.8 U	1.9 U	2.1 U	2 U	NA	3.1 U	NA	31 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		8.8 U	8.8 U	9.1 U	8.9 U	9.7 U	6.1 U	5.9 U	NA	8.8 U	NA	88 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		31 U	31 U	18 U	18 U	19 U	31 U	29 U	NA	31 U	NA	310 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		31 U	31 U	18 U	18 U	19 U	31 U	29 U	NA	31 U	NA	310 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			C3										
Location ID:			ST07004	ST07005	ST07006	ST07007	ST07007	ST08002			ST08003	ST08004	ST18010
Sample ID:			LORNG_ST07004_10102023	LORNG_ST07005_10052023	LORNG_ST07006_10052023	LORNG_ST07007_10052023	LORNG_ST07007_06052024	LORNG_ST08002_06152022	LORNG_ST08002_06152022FD	LORNG_ST08002_10102023	LORNG_ST08003_06052024	LORNG_ST08004_06152022	LORNG_ST18010_10052023
Sample Date:			10/10/2023	10/5/2023	10/5/2023	10/5/2023	6/5/2024	6/15/2022	6/15/2022	10/10/2023	6/5/2024	6/15/2022	10/5/2023
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	N	N	N	N	FD	N	N	N	N
Latitude:			46.9442168	46.94376382	46.94329992	46.94171973	46.94171973	46.9407353	46.9407353	46.9407353	46.94125899	46.9412715	46.94142394
Longitude:			-67.89089043	-67.88782665	-67.88687408	-67.89198452	-67.89198452	-67.8932787	-67.8932787	-67.8932787	-67.89356199	-67.8911483	-67.88558303
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	6.2 J	26	4.6 J	3.8 J	3.2 J	2.9 J	2.9 J	4.1 J	17	2 J	2.3 J
Perfluoropentanoic acid (PFPeA)	-	-	2.5 J	80	7.6	6	4.2 J	1 J	1 J	2.1 J	46.6	2.1 J	0.56 J
Perfluorohexanoic acid (PFHxA)	46000	33800	4.1 J	53	8.4	4.7	3.8	1.5 J	1.4 J	2.8 J	56.5	1.7 J	0.67 J
Perfluoroheptanoic acid (PFHpA)	-	-	3.4 J	50	11	3.7	3 J	1.7 J	1.7 J	2.3 J	26.7	2.7 J	0.69 J
Perfluorooctanoic acid (PFOA)	0.25	36400	9 J	30	14	4.8	3.1 J	3.6	3.5 J	5.1 J	53.2	2.1 J	0.94 J
Perfluorononanoic acid (PFNA)	260	88	1.3 J	3.9	3.7	0.59 J	1.8 U	0.94 J	0.9 J	2 J	3 J	1.8 U	0.35 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	0.49 J	0.65 J	0.56 J	1 U	1.8 U	1.8 U	1.8 U	0.53 J	1.8 U	1.8 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.49 UJ	0.5 U	0.5 U	0.5 U	1.8 U	1.8 U	1.8 U	0.49 UJ	1.8 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	0.97 UJ	1 U	1 U	1 U	1.8 U	1.8 U	1.8 U	0.98 UJ	1.8 U	1.8 U	1 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.97 UJ	1 U	1 U	1 U	1.8 U	1.8 U	1.8 U	0.98 UJ	1.8 U	1.8 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.49 UJ	0.5 U	0.5 U	0.5 U	1.8 U	8.9 U	8.9 U	0.49 UJ	1.8 U	1.8 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.89 J	4.3	1.5	2.3	1.1 J	1.8 J	1.7 J	2.2 J	9.7	1.8 U	0.5 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.63 J	6.1	1.5 J	2.5	1.4 J	2.3 J	2.4 J	3 J	14.5	1.8 U	0.43 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	10 J	110	51	28	13.5	36.9	38.3	61 J	185	7.3	6
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.39 J	2.5	0.5 J	0.4 J	0.57 J	2 J	2.3 J	3.1 J	7	1.8 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	18 J	150	35	16	9.4	112	110	360 J	206	25.6	5.4
Perfluorononanesulfonic acid (PFNS)	-		0.91 UJ	0.94 U	0.94 U	0.94 U	1.8 U	1.8 U	1.8 U	0.92 UJ	1.8 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-		0.46 UJ	0.47 U	0.47 U	0.47 U	1.8 U	1.8 U	1.8 U	0.46 UJ	1.8 U	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-		0.97 UJ	1 U	1 U	1 U	3.7 U	NA	NA	0.98 UJ	3.6 U	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		1.8 UJ	1.9 U	1.9 U	1.9 U	7.3 U	3.6 U	3.6 U	1.9 UJ	36 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		1.8 UJ	35	1.9 U	2.7 J	7.3 U	3.6 U	3.6 U	1.9 UJ	61	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.7 UJ	15	3.8 U	3.8 U	7.3 U	3.6 U	3.6 U	3.7 UJ	7.6 J	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-		0.75 J	23	0.42 J	0.25 U	1.8 U	1.8 U	1.8 U	0.56 J	7.9	1.8 U	0.4 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		0.97 UJ	1 U	1 U	1 U	3.7 U	0 R	18 UJ	0.98 UJ	3.6 U	0 R	1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		0.97 UJ	1 U	1 U	1 U	3.7 U	NA	NA	0.98 UJ	3.6 U	NA	1 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		0.97 UJ	1 U	1 U	1 U	3.7 U	3.6 U	3.6 U	0.98 UJ	3.6 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		0.97 UJ	1 U	1 U	1 U	3.7 U	3.6 U	3.6 U	0.98 UJ	3.6 U	3.6 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		2.4 UJ	2.5 U	2.5 U	2.5 U	18 U	NA	NA	2.4 UJ	18 U	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		4.9 UJ	5 U	5 U	5 U	18 U	NA	NA	4.9 UJ	18 U	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		3.9 UJ	4 U	4 U	4 U	1.8 U	NA	NA	3.9 UJ	1.8 U	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.7 UJ	3.8 U	3.8 U	3.8 U	3.7 U	NA	NA	3.7 UJ	3.6 U	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		1.9 UJ	2 U	2 U	2 U	1.8 U	NA	NA	2 UJ	1.8 U	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		0.49 UJ	0.5 U	0.5 U	0.5 U	3.7 U	NA	NA	0.49 UJ	3.6 U	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		58 UJ	60 U	60 U	60 U	3.7 U	NA	NA	59 UJ	3.6 U	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		6.4 UJ	6.6 U	6.6 U	6.6 U	3.7 U	NA	NA	6.4 UJ	3.6 U	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		6.4 UJ	6.6 U	6.6 U	6.6 U	3.7 U	NA	NA	6.4 UJ	3.6 U	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		3 UJ	3.1 U	3.1 U	3.1 U	1.8 U	NA	NA	3 UJ	1.8 U	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		8.6 UJ	8.8 U	8.8 U	8.8 U	9.2 U	NA	NA	8.6 UJ	8.9 U	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		30 UJ	31 U	31 U	31 U	18 U	NA	NA	30 UJ	18 U	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		30 UJ	31 U	31 U	31 U	18 U	NA	NA	30 UJ	18 U	NA	31 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST05002			ST05003		ST08001					
Location ID:			ST05002			ST05003		ST08001					ST08006
Sample ID:			LORNG_ST05002_061 52022	LORNG_ST05002_101 02023	LORNG_ST05002_101 02023FD	LORNG_ST05003_061 42022	LORNG_ST05003_061 42022FD	LORNG_ST08001_061 52022	LORNG_ST08001_092 82023	LORNG_ST08001_092 82023FD	LORNG_ST08001_060 52024	LORNG_ST08001_060 52024FD	LORNG_ST08006_060 52024
Sample Date:			6/15/2022	10/10/2023	10/10/2023	6/14/2022	6/14/2022	6/15/2022	9/28/2023	9/28/2023	6/5/2024	6/5/2024	6/5/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	FD	N	FD	N	N	FD	N	FD	N
Latitude:			46.93437	46.93437	46.93437	46.9369182	46.9369182	46.9379263	46.9379263	46.9379263	46.9379263	46.9379263	46.93882402
Longitude:			-67.90643	-67.90643	-67.90643	-67.9069221	-67.9069221	-67.8964582	-67.8964582	-67.8964582	-67.8964582	-67.8964582	-67.89258198
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	116	120 J	120 J	18 U	4.7 J	4.6 J	11	11	5.3 J	5.5 J	2.6 J
Perfluoropentanoic acid (PFPeA)	-	-	385	410 J	420 J	8.9 U	1.6 J	10.4	32	34	9.6	9.9	1 J
Perfluorohexanoic acid (PFHxA)	46000	33800	219	270 J	290 J	8.9 U	1.2 J	11.6	35	35	12.2	12.3	2.4 J
Perfluoroheptanoic acid (PFHpA)	-	-	258	370 J	390 J	2.1 J	1.7 J	5.1	13	14	5.1	5	2.3 J
Perfluorooctanoic acid (PFOA)	0.25	36400	190	190 J	210 J	3 J	2.2 J	13	34	35	11.8	12	2.1 J
Perfluorononanoic acid (PFNA)	260	88	42.4	41 J	45 J	1.8 U	1.8 U	1.8 U	1.7 J	1.6 J	0.7 J	0.6 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.2	71.6	5.3	3.3 J	4.3 J	1.8 U	1.8 U	1.8 U	1.1 U	1.1 U	1.9 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	1 J	4.6 UJ	4.7 UJ	1.8 U	1.8 U	1.8 U	0.55 U	0.55 U	1.9 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	9.2 UJ	9.4 UJ	1.8 U	1.8 U	1.8 U	1.1 U	1.1 U	1.9 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	9.2 UJ	9.4 UJ	1.8 U	1.8 U	1.8 U	1.1 U	1.1 U	1.9 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	4.6 UJ	4.7 UJ	0 R	1.8 UJ	1.8 U	0.55 U	0.55 U	1.9 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	26.7	31 J	32 J	8.9 U	1.8 UJ	1.8 U	5.7	6.2	2.5 J	2.3 J	0.8 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	53.7	54 J	57 J	8.9 U	1.8 U	3.1 J	7.7	7.8	3.6 J	3.3 J	3.7 U
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	727	840 J	880 J	4.9	4.3	59.7	160	160	64.5	65.1	20
Perfluoroheptanesulfonic acid (PFHpS)	-	-	34	21 J	25 J	1.8 U	1.8 UJ	1.7 J	2.2	2.1	1.4 J	1.4 J	1.9 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	3110	1900 J	1800 J	2.7 J	2.1 J	54	92	94	32.6	33.3	15.6
Perfluorononanesulfonic acid (PFNS)	-		28.1	8.6 UJ	8.8 UJ	1.8 U	1.8 U	1.8 U	1 U	1 U	1.9 U	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-		1.8 U	4.3 UJ	4.4 UJ	1.8 U	1.8 U	1.8 U	0.51 U	0.51 U	1.9 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-		NA	9.2 UJ	9.4 UJ	NA	NA	NA	1.1 U	1.1 U	3.7 U	3.9 U	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		3.6 U	17 UJ	18 UJ	18 U	3.6 UJ	3.6 U	2.1 U	2.1 U	7.5 U	7.8 U	7.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		64.2	100 J	110 J	3.6 U	3.6 U	2 J	4.9 J	3.9 J	7.5 U	7.8 U	7.4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		199	260 J	250 J	3.6 U	3.6 U	3.6 U	4.2 U	4.2 U	7.5 U	7.8 U	7.4 U
Perfluorooctane sulfonamide (PFOSA)	-		91.5 J	63 J	58 J	8.9 UJ	0 R	1.2 J	1.8	1.9	1.8 J	2.2 J	0.98 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		0 R	9.2 UJ	9.4 UJ	0 R	0 R	18 UJ	1.1 U	1.1 U	3.7 U	3.9 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		NA	9.2 UJ	9.4 UJ	NA	NA	NA	1.1 U	1.1 U	3.7 U	3.9 U	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.6 U	9.2 UJ	9.4 UJ	3.6 U	3.6 U	3.6 U	1.1 U	1.1 U	3.7 U	3.9 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.6 U	9.2 UJ	9.4 UJ	3.6 U	3.6 U	3.6 U	1.1 U	1.1 U	3.7 U	3.9 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		NA	23 UJ	23 UJ	NA	NA	NA	2.7 U	2.7 U	19 U	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		NA	46 UJ	47 UJ	NA	NA	NA	5.5 U	5.5 U	19 U	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		NA	37 UJ	38 UJ	NA	NA	NA	4.4 U	4.4 U	1.9 U	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		NA	35 UJ	36 UJ	NA	NA	NA	4.2 U	4.2 U	3.7 U	3.9 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		NA	18 UJ	19 UJ	NA	NA	NA	2.2 U	2.2 U	1.9 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		NA	4.6 UJ	4.7 UJ	NA	NA	NA	0.55 U	0.55 U	3.7 U	3.9 U	3.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		NA	550 UJ	560 UJ	NA	NA	NA	66 U	66 U	3.7 U	3.9 U	3.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		NA	60 UJ	62 UJ	NA	NA	NA	7.2 U	7.2 U	3.7 U	3.9 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		NA	60 UJ	62 UJ	NA	NA	NA	7.2 U	7.2 U	3.7 U	3.9 U	3.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		NA	28 UJ	29 UJ	NA	NA	NA	3.4 U	3.4 U	1.9 U	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		NA	81 UJ	83 UJ	NA	NA	NA	9.6 U	9.6 U	9.3 U	9.7 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		NA	280 UJ	290 UJ	NA	NA	NA	34 U	34 U	19 U	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		NA	280 UJ	290 UJ	NA	NA	NA	34 U	34 U	19 U	19 U	19 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST08001	ST09001				ST11001	ST11001				
Location ID:			ST09004	ST09001		ST09005	ST09006	ST11001	ST11001	ST11002	ST11003		
Sample ID:			LORNG_ST09004_061 52022	LORNG_ST09001_061 52022	LORNG_ST09001_061 52022FD	LORNG_ST09005_061 52022	LORNG_ST09006_092 82023	LORNG_ST11001_061 52022	LORNG_ST11001_092 82023	LORNG_ST11002_101 02023	LORNG_ST11003_092 82023	LORNG_ST11003_060 52024	LORNG_ST11003_060 52024FD
Sample Date:			6/15/2022	6/15/2022	6/15/2022	6/15/2022	9/28/2023	6/15/2022	9/28/2023	10/10/2023	9/28/2023	6/5/2024	6/5/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	FD	N	N	N	N	N	N	N	FD
Latitude:			46.9385529	46.9355937	46.9355937	46.9364002	46.93616934	46.9459612	46.9459612	46.94677631	46.94708986	46.94708986	46.94708986
Longitude:			-67.8913706	-67.8966969	-67.8966969	-67.8927118	-67.89462375	-67.9038371	-67.9038371	-67.90053871	-67.90205339	-67.90205339	-67.90205339
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	3.9 J	5.8 J	5.5 J	5 J	9.1	11.4	31 J	1.6 J	9.2	9.8 J	8.8 J
Perfluoropentanoic acid (PFPeA)	-	-	1.5 J	9.8	9.9	5.2	14	19.5	74	0.97 J	11	5.3 J	4.9 J
Perfluorohexanoic acid (PFHxA)	46000	33800	1.3 J	8.1	8.1	4.6	12	36.1	110	0.94 J	22	15.2	13.6
Perfluoroheptanoic acid (PFHpA)	-	-	1.3 J	6.4	6.5	6.1	15	28.2	60	0.98 J	9.6	4.9	4.5
Perfluorooctanoic acid (PFOA)	0.25	36400	1.7 J	9.2	10.5	5.2	11	55.3	120	0.78 J	9.6	6.8	5.9
Perfluorononanoic acid (PFNA)	260	88	1.8 U	1.5 J	1.6 J	1.4 J	2.3	9.9	15 J	0.24 J	0.78 J	0.6 J	0.64 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.8 U	1.8 U	1.8 U	1.8 U	1 U	1.8 U	10 U	0.98 UJ	1.1 U	2 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	1.8 U	1.8 U	1.8 U	1.8 U	0.5 U	1.8 U	5 U	0.49 UJ	0.55 U	2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	1.8 U	1.8 U	1.8 U	1.8 U	1 U	1.8 U	10 U	0.98 UJ	1.1 U	2 U	2 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1.8 U	1.8 U	1.8 U	1.8 U	1 U	1.8 U	10 U	0.98 UJ	1.1 U	2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.8 U	1.8 UJ	1.8 UJ	1.8 U	0.5 U	1.8 U	5 U	0.49 UJ	0.55 U	2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.8 U	1.7 J	2.2 J	0.93 J	1.9	10.3	30	0.45 J	14	12	10.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.8 U	2 J	2.2 J	0.99 J	2.2	15.1	36	0.34 J	20	18.8	15.3
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	14	31.4	36	18.7	35	118	310	6.2 J	160	137	120
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1.8 U	1.5 J	1.8 J	1.8 U	0.94 J	18.3	29	0.46 UJ	4.7	5.1	4.2
Perfluorooctanesulfonic acid (PFOS)	10	12.8	26.5	65.2	74.6	32.2	35	1160	5400	6.3 J	170	83.3	69.5
Perfluorononanesulfonic acid (PFNS)	-		1.8 U	1.8 U	1.8 U	1.8 U	0.94 U	4.5 J	9.4 U	0.92 UJ	1 U	2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-		1.8 U	1.8 U	1.8 U	1.8 U	0.47 U	1.8 U	4.7 U	0.46 UJ	0.51 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-		NA	NA	NA	NA	1 U	NA	10 U	0.98 UJ	1.1 U	3.9 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		3.6 U	3.6 U	3.6 U	3.6 U	1.9 U	3.6 U	19 U	1.9 UJ	2.1 U	7.8 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		3.6 U	3.9 J	5.2 J	3.6 U	1.9 U	35.8	120	1.9 UJ	1.4 J	7.8 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.6 U	3.6 U	3.6 U	3.6 U	3.8 U	21.2	77	3.7 UJ	4.2 U	7.8 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-		1.8 U	2.6 J	2.8 J	1.8 U	0.56 J	6.8	23	0.24 UJ	4.8	2.8 J	2.4 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		18 UJ	18 U	0 R	0 R	1 U	0 R	10 U	0.98 UJ	1.1 U	3.9 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		NA	NA	NA	NA	1 U	NA	10 U	0.98 UJ	1.1 U	3.9 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.6 U	3.6 U	3.6 U	3.6 U	1 U	3.6 U	10 U	0.98 UJ	1.1 U	3.9 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.6 U	3.6 U	3.6 U	3.6 U	1 U	3.6 U	10 U	0.98 UJ	1.1 U	3.9 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		NA	NA	NA	NA	2.5 U	NA	25 U	2.4 UJ	2.7 U	20 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		NA	NA	NA	NA	5 U	NA	50 U	4.9 UJ	5.5 U	20 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		NA	NA	NA	NA	4 U	NA	40 U	3.9 UJ	4.4 U	2 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		NA	NA	NA	NA	3.8 U	NA	38 U	3.7 UJ	4.2 U	3.9 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		NA	NA	NA	NA	2 U	NA	20 U	2 UJ	2.2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		NA	NA	NA	NA	0.5 U	NA	5 U	0.49 UJ	0.55 U	3.9 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		NA	NA	NA	NA	60 U	NA	600 U	59 UJ	66 U	3.9 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		NA	NA	NA	NA	6.6 U	NA	66 U	6.5 UJ	7.2 U	3.9 U	3.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		NA	NA	NA	NA	6.6 U	NA	66 U	6.5 UJ	7.2 U	3.9 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		NA	NA	NA	NA	3.1 U	NA	31 U	3 UJ	3.4 U	2 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		NA	NA	NA	NA	8.8 U	NA	88 U	8.6 UJ	9.6 U	9.8 U	9.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		NA	NA	NA	NA	31 U	NA	310 U	30 UJ	34 U	20 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		NA	NA	NA	NA	31 U	NA	310 U	30 UJ	34 U	20 U	20 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST11001	ST12001						ST12001			
Location ID:			ST11004	ST12001					ST12002	ST12002	ST12003	ST12004	ST12005
Sample ID:			LORNG_ST11004_10102023	LORNG_ST12001_06162022	LORNG_ST12001_09252023	LORNG_ST12001_06052024	LORNG_ST12001_10082024PF	LORNG_ST12001_10092024MF	LORNG_ST12002_09282023	LORNG_ST12002_06052024	LORNG_ST12003_09282023	LORNG_ST12004_09282023	LORNG_ST12005_09282023
Sample Date:			10/10/2023	6/16/2022	9/25/2023	6/5/2024	10/8/2024	10/9/2024	9/28/2023	6/5/2024	9/28/2023	9/28/2023	9/28/2023
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N	N	N	N
Latitude:			46.94789104	46.9486079	46.9486079	46.9486079	46.9486079	46.9486079	46.94932931	46.94932931	46.94985142	46.95106156	46.95130038
Longitude:			-67.9013011	-67.9044578	-67.9044578	-67.9044578	-67.9044578	-67.9044578	-67.9031632	-67.9031632	-67.90148102	-67.90225706	-67.90351726
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	0.73 J	40.7 J	33 J	25.8	9.5	31	9.2	4.3 J	28	2.7 J	3.6 J
Perfluoropentanoic acid (PFPeA)	-	-	0.35 J	113	100	89.1	20	98	17	2.5 J	78	1.5 J	3.2 J
Perfluorohexanoic acid (PFHxA)	46000	33800	0.65 J	131	120	115	25	110	13	2.6 J	54	2.4	2.3
Perfluoroheptanoic acid (PFHpA)	-	-	0.56 J	63.8	59	47.2	12	47	18	2.9 J	81	3.3	2.7
Perfluorooctanoic acid (PFOA)	0.25	36400	0.89 J	96.3	68	60	13	56	10	2.4 J	40	1.7	1.8
Perfluorononanoic acid (PFNA)	260	88	0.32 J	13.2	7.2 J	5.3	1.3 J	3.5	1.4 J	1.9 U	3.4	0.53 J	0.34 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	0.32 J	3 J	10 U	2.6 J	0.68 J	1.3 J	1 U	1.9 U	1 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.49 UJ	36 UJ	5 U	1.6 J	1.2 U	2.7 U	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	0.98 UJ	36 UJ	10 U	1 J	0.84 U	1.8 U	1 U	1.9 U	1 U	1 U	1 U
Perfluorotridecanoic acid (PFTrDA)	-	-	0.98 UJ	36 UJ	10 U	1.9 U	1.2 U	2.7 U	1 U	1.9 U	1 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.49 UJ	36 UJ	5 U	1.9 U	0.84 U	1.8 U	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.78 J	28.5	28	24.3	8.3	27	1.6	1 J	2.8	0.72 J	1.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.5 J	44.2	36	34.3	11	35	2.1	3.8 U	3.3	1.2 J	0.66 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	26 J	462	360	324	110	330	31	15.4	37	22	13
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.28 J	56.5	25	49.2	6.8	28	0.61 J	1.9 U	1.3 J	0.3 J	0.47 U
Perfluorooctanesulfonic acid (PFOS)	10	12.8	8.8 J	4510 J	2600	4560	740	2600	32	11.4	57	11	12
Perfluorononanesulfonic acid (PFNS)	-		0.92 UJ	16.9	9.4 U	72.1	1.5	3 J	0.94 U	1.9 U	0.94 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-		0.46 UJ	36 U	5.8 J	46.9	1.6	1.8 J	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-		0.98 UJ	NA	10 U	45	0.65 J	1.8 U	1 U	3.8 U	1 U	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		1.9 UJ	3.5 J	19 U	5.4 J	3.1 U	3.2 J	1.9 U	7.5 U	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		1.9 UJ	166	180	185	30	170	1.1 J	7.5 U	7.5	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.7 UJ	57.9	61 J	118	39	110	4.3 J	7.5 U	7.5	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-		0.25 UJ	42.9 J	29	38.1 J	12	33	2.1	1.1 J	1 J	0.72 J	0.27 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		U	0 R	10 U	3.8 UJ	1.2 U	2.7 U	1 U	3.8 U	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		U	NA	10 U	3.8 U	1.2 U	2.7 U	1 U	3.8 U	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		0.98 UJ	3.6 U	10 U	3.8 U	1.2 U	2.7 U	1 U	3.8 U	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		0.98 UJ	3.6 U	10 U	3.8 U	0.84 U	1.8 U	1 U	3.8 U	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		2.1 J	NA	25 U	19 UJ	8.4 U	18 U	2.5 U	19 U	2.5 U	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		4.9 UJ	NA	50 U	19 UJ	8.4 U	18 U	5 U	19 U	5 U	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		3.9 UJ	NA	40 U	1.9 U	3.3 U	7.3 U	4 U	1.9 U	4 U	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.7 UJ	NA	38 U	3.8 U	3.1 U	6.9 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		2 UJ	NA	20 U	1.9 U	2.9 U	6.3 U	2 U	1.9 U	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		0.49 UJ	NA	5 U	3.8 U	1.2 U	2.7 U	0.5 U	3.8 U	0.5 U	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		59 UJ	NA	600 U	3.8 U	25 U	54 U	60 U	3.8 U	60 U	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		6.5 UJ	NA	66 U	3.8 U	3.1 U	6.9 U	6.6 U	3.8 U	6.6 U	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		6.5 UJ	NA	66 U	3.8 U	2.3 U	5 U	6.6 U	3.8 U	6.6 U	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		3 UJ	NA	31 U	1.9 U	2.1 U	4.6 U	3.1 U	1.9 U	3.1 U	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		8.6 UJ	NA	88 U	9.4 U	6.1 U	13 U	8.8 U	9.4 U	8.8 U	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		30 UJ	NA	310 U	19 U	30 U	67 U	31 U	19 U	31 U	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		30 UJ	NA	310 U	19 UJ	30 U	67 U	31 U	19 U	31 U	31 U	31 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST12001	ST13016		ST16007					ST16007			
Location ID:			ST12006	ST13016	ST13024	ST16001		ST16002			ST16002		ST16003	
Sample ID:			LORNG_ST12006_060 52024	LORNG_ST13016_092 82023	LORNG_ST13024_060 52024	LORNG_ST16001_061 62022	LORNG_ST16001_092 82023	LORNG_ST16002_061 62022	LORNG_ST16002_092 82023	LORNG_ST16002_060 42024	LORNG_ST16002_100 82024PF	LORNG_ST16002_100 92024MF	LORNG_ST16003_061 62022	
Sample Date:			6/5/2024	9/28/2023	6/5/2024	6/16/2022	9/28/2023	6/16/2022	9/28/2023	6/4/2024	10/8/2024	10/9/2024	6/16/2022	
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	
Sample Type:			N	N	N	N	N	N	N	N	N	N	N	
Latitude:			46.95018599	46.9585915	46.957918	46.9299126	46.9299126	46.9270477	46.9270477	46.9270477	46.9270477	46.9270477	46.9314923	
Longitude:			-67.90085498	-67.90440979	-67.904158	-67.8861709	-67.8861709	-67.8893701	-67.8893701	-67.8893701	-67.8893701	-67.8893701	-67.8863637	
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
Perfluorobutanoic acid (PFBA)	57000	75700	12.7 J	10	11.5 J	7 J	9.6	18 UJ	9.3	4.7 J	6.9	7.3	18 UJ	
Perfluoropentanoic acid (PFPeA)	-	-	24.9	13	9	7.6	13	6.8	12	5.2 J	8.8	9.4	5.6	
Perfluorohexanoic acid (PFHxA)	46000	33800	21.9	43	25.3	7.3	13	8	14	6.3	10	9.9	5.1	
Perfluoroheptanoic acid (PFHpA)	-	-	53	6.6	6	6.2	14	5.5	12	5.3	9.4	9.7	5.8	
Perfluorooctanoic acid (PFOA)	0.25	36400	22.7	14	7	6.4	8.8	6.5	10	4.6	5.6	5.1	4.5	
Perfluorononanoic acid (PFNA)	260	88	3.2 J	0.99 J	1.9 U	1 J	1.5 J	1.2 J	1.4 J	0.65 J	1.4 J	1.1 J	1.3 J	
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.9 U	1 U	1.9 U	1.8 U	0.41 J	1.8 U	0.41 J	1.9 U	0.83 J	0.54 J	1.8 U	
Perfluoroundecanoic acid (PFUnA)	-	-	1.9 U	0.5 U	1.9 U	1.8 UJ	0.5 U	8.9 U	0.5 U	1.9 U	1.3 U	1.3 U	8.9 UJ	
Perfluorododecanoic acid (PFDoA)	-	-	1.9 U	1 U	1.9 U	1.8 UJ	1 U	8.9 UJ	1 U	1.9 U	0.86 U	0.89 U	8.9 UJ	
Perfluorotridecanoic acid (PFTrDA)	-	-	1.9 U	1 U	1.9 U	1.8 UJ	1 U	8.9 UJ	1 U	1.9 U	1.3 U	1.3 U	8.9 UJ	
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.9 U	0.5 U	1.9 U	1.8 UJ	0.5 U	8.9 UJ	0.5 U	1.9 U	0.86 U	0.89 U	8.9 U	
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.86 J	4	4.8	2.2 J	2.3	2.2 J	2.7	1.5 J	2.1	2.7	0.95 J	
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.4 J	4.6	4.4 J	2.9 J	3.4	2.7 J	3.7	1.8 J	3.3	3.9	1.2 J	
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	13.9	99	41.9	35.9	53	34.2	55	27.3	44	52	19.8	
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.76 J	1.2 J	0.7 J	1.7 J	1.1 J	1.6 J	1.3 J	0.81 J	1.1 J	0.9 J	1.8 U	
Perfluorooctanesulfonic acid (PFOS)	10	12.8	51.5	50	12.3	60.9	62	64.3	87	37	75	63	53.6	
Perfluorononanesulfonic acid (PFNS)	-		0.58 J	0.94 U	1.9 U	1.8 U	0.94 U	1.8 U	0.94 U	1.9 U	1.2 U	1.2 U	1.8 U	
Perfluorodecanesulfonic acid (PFDS)	-		1.9 U	0.47 U	1.9 U	1.8 U	0.47 U	8.9 U	0.47 U	1.9 UJ	1.2 U	1.2 U	8.9 U	
Perfluorododecanesulfonic acid (PFDoS)	-		3.8 U	1 U	3.7 U	NA	1 U	NA	1 U	3.7 U	0.86 U	0.89 U	NA	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		38 U	1.9 UJ	74 U	3.6 U	1.9 U	3.6 U	1.9 U	7.4 U	3.2 U	3.3 U	3.6 U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		7.6 U	1.9 U	7.4 U	3 J	1.9 U	2.5 J	1.9 U	7.4 U	3.3 U	3.4 U	3.6 U	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		12.8 J	3.8 U	7.4 U	3.6 U	3.8 U	3.6 U	3.8 U	7.4 U	4.8 U	5 U	3.6 U	
Perfluorooctane sulfonamide (PFOSA)	-		0.74 J	5.8	1.5 J	1.6 J	1.5 J	1.4 J	1.9 J	1 J	1.2 J	1.6	1.8 U	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		3.8 U	1 U	3.7 U	0 R	1 U	0 R	1 U	3.7 U	1.3 U	1.2 U	18 UJ	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		3.8 U	1 U	3.7 U	NA	1 U	NA	1 U	3.7 U	1.3 U	1.2 U	NA	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.8 U	1 U	3.7 U	3.6 U	1 U	3.6 U	1 U	3.7 U	1.3 U	1.3 U	3.6 U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.8 U	1 U	3.7 U	3.6 UJ	1 U	18 U	1 U	3.7 U	0.86 U	0.89 U	18 U	
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		19 U	2.5 U	19 U	NA	2.5 U	NA	2.5 U	19 UJ	8.6 U	8.9 U	NA	
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		19 U	5 U	19 U	NA	5 U	NA	5 U	19 UJ	8.6 U	8.9 U	NA	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		1.9 U	4 U	1.9 U	NA	4 U	NA	4 U	1.9 U	3.4 U	3.5 U	NA	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	3.8 U	3.7 U	NA	3.8 U	NA	3.8 U	3.7 U	3.2 U	3.3 U	NA	
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		1.9 U	2 U	1.9 U	NA	2 U	NA	2 U	1.9 U	2.9 U	3 U	NA	
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		3.8 U	0.5 U	3.7 U	NA	0.5 U	NA	0.5 U	3.7 U	1.3 U	1.3 U	NA	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		3.8 U	60 U	3.7 U	NA	60 U	NA	60 U	3.7 U	25 U	26 U	NA	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		3.8 U	6.6 U	3.7 U	NA	6.6 U	NA	6.6 U	3.7 U	3.2 U	3.3 U	NA	
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		3.8 U	6.6 U	3.7 U	NA	6.6 U	NA	6.6 U	3.7 U	2.3 U	2.4 U	NA	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		1.9 U	3.1 U	1.9 U	NA	3.1 U	NA	3.1 U	1.9 U	2.2 U	2.2 U	NA	
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		9.5 U	8.8 U	9.3 U	NA	8.8 U	NA	8.8 U	9.3 U	6.3 U	6.5 U	NA	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		19 U	31 U	19 U	NA	31 U	NA	31 U	19 U	31 U	32 U	NA	
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		19 U	31 U	19 U	NA	31 U	NA	31 U	19 U	31 U	32 U	NA	

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST16007										
Location ID:			ST16003		ST16004	ST16005	ST16006	ST16007	ST18013			ST18013	ST18014
Sample ID:			LORNG_ST16003_092 82023	LORNG_ST16003_060 42024	LORNG_ST16004_092 82023	LORNG_ST16005_092 82023	LORNG_ST16006_092 82023	LORNG_ST16007_060 42024	LORNG_ST18013_061 62022	LORNG_ST18013_092 82023	LORNG_ST18013_060 42024	LORNG_ST18013_060 42024FD	LORNG_ST18014_060 42024
Sample Date:			9/28/2023	6/4/2024	9/28/2023	9/28/2023	9/28/2023	6/4/2024	6/16/2022	9/28/2023	6/4/2024	6/4/2024	6/4/2024
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	N	N	N	N	N	N	N	FD	N
Latitude:			46.9314923	46.9314923	46.93196045	46.93171529	46.9323849	46.92696	46.9321506	46.9321506	46.9321506	46.9321506	46.93366301
Longitude:			-67.8863637	-67.8863637	-67.88609821	-67.88820613	-67.88887285	-67.88947001	-67.8834337	-67.8834337	-67.8834337	-67.8834337	-67.88359298
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	11	6.8 J	10	12	6.8	4.8 J	7.8 J	7.5	4.6 J	5.5 J	4.5 J
Perfluoropentanoic acid (PFPeA)	-	-	16	7.1 J	16	26	5.1	4.9 J	7.6 J	11	5.8 J	6.2 J	4.6 J
Perfluorohexanoic acid (PFHxA)	46000	33800	18	7.5	17	17	4.2	7.1	6.4	10	7.4	7.7	6.8
Perfluoroheptanoic acid (PFHpA)	-	-	24	8.1	22	12	3.6	4.8	6	10	4.7	4.4	3.4 J
Perfluorooctanoic acid (PFOA)	0.25	36400	12	4.7	11	12	2.9	4	4.6	6.6	3.6 J	3.6	3.1 J
Perfluorononanoic acid (PFNA)	260	88	2.4	0.8 J	2.1	2.5	1.1 J	0.98 J	2 U	1.2 J	0.78 J	0.79 J	0.96 J
Perfluorodecanoic acid (PFDA)	0.2	71.6	0.84 J	1.9 U	0.77 J	1 U	1 U	1.9 U	2 U	0.5 J	1.9 U	1.8 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.19 J	1.9 U	0.26 J	0.5 U	0.5 U	1.9 U	2 U	0.5 U	1.9 U	1.8 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	1 U	1.9 U	1 U	1 U	1 U	1.9 U	2 U	1 U	1.9 U	1.8 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1 U	1.9 U	1 U	1 U	1 U	1.9 U	2 U	1 U	1.9 U	1.8 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U	1.9 U	2 U	0.5 U	1.9 U	1.8 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.6	1.1 J	1.6	4.2	1.3 J	1.8 J	2.5 J	3.8	2.5 J	2.5 J	3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	2.5	1.3 J	2.3	5.3	1.3 J	2 J	4.4	6.8	4.4 J	3.6 J	3.7 J
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	46	20.3	42	68	22	29.3	44	77	46.5	46.6	49.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	1 J	1.9 U	0.81 J	1.7	0.51 J	1.4 J	1.9 J	2.8	1.8 J	1.5 J	1.7 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	110	23.9	110	67	30	51.9	76	140	82.6	87.6	56.1
Perfluorononanesulfonic acid (PFNS)	-		0.94 U	1.9 U	0.94 U	0.94 U	0.94 U	1.9 U	2 U	0.94 U	0.9 J	1.8 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-		0.47 U	1.9 UJ	0.47 U	0.47 U	0.47 U	1.9 UJ	2 U	0.47 U	1.9 UJ	1.8 UJ	1.9 UJ
Perfluorododecanesulfonic acid (PFDoS)	-		1 U	3.8 U	1 U	1 U	1 U	3.7 U	NA	1 U	3.8 U	3.6 U	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		1.9 U	7.5 U	1.9 U	1.9 UJ	1.9 U	7.4 U	4 UJ	1.9 U	7.5 U	7.3 U	7.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		1.9 U	7.5 UJ	1.9 U	1.9 U	1.9 U	7.4 U	4 U	1.2 J	7.5 U	7.3 U	7.4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.8 U	7.5 U	3.8 U	3.8 U	3.8 U	7.4 U	4 U	1.5 J	7.5 U	7.3 U	7.4 U
Perfluorooctane sulfonamide (PFOSA)	-		0.87 J	1.9 U	0.68 J	0.43 J	0.2 J	0.71 J	2.3 J	2.6	1.9 U	1.9 J	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		1 U	3.8 U	1 U	1 U	1 U	3.7 U	20 UJ	1 U	3.8 U	3.6 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		1 U	3.8 U	1 U	1 U	1 U	3.7 U	NA	1 U	3.8 U	3.6 U	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		1 U	3.8 U	1 U	1 U	1 U	3.7 U	4 U	1 U	3.8 U	3.6 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		1 U	3.8 U	1 U	1 U	1 U	3.7 U	4 U	1 U	3.8 U	3.6 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		1.7 J	19 UJ	2.5 U	2.5 U	2.5 U	19 UJ	NA	2.5 U	19 UJ	18 UJ	19 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		2.1 J	19 UJ	5 U	5 U	5 U	19 UJ	NA	5 U	19 UJ	18 UJ	19 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		4 U	1.9 U	4 U	4 U	4 U	1.9 U	NA	4 U	1.9 U	1.8 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.7 U	NA	3.8 U	3.8 U	3.6 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		2 U	1.9 U	2 U	2 U	2 U	1.9 U	NA	2 U	1.9 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		0.5 U	3.8 U	0.5 U	0.5 U	0.5 U	3.7 U	NA	0.5 U	3.8 U	3.6 U	3.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		60 U	3.8 U	60 U	60 U	60 U	3.7 U	NA	60 U	3.8 U	3.6 U	3.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		6.6 U	3.8 U	6.6 U	6.6 U	6.6 U	3.7 U	NA	6.6 U	3.8 U	3.6 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		6.6 U	3.8 U	6.6 U	6.6 U	6.6 U	3.7 U	NA	6.6 U	3.8 U	3.6 U	3.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		3.1 U	1.9 U	3.1 U	3.1 U	3.1 U	1.9 U	NA	3.1 U	1.9 U	1.8 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		8.8 U	9.4 U	8.8 U	8.8 U	8.8 U	9.3 U	NA	8.8 U	9.4 U	9.1 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		31 U	19 U	31 U	31 U	31 U	19 U	NA	31 U	19 U	18 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		31 U	19 U	31 U	31 U	31 U	19 U	NA	31 U	19 U	18 U	19 U

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST16007		ST18001	ST18003						ST18004		ST18011
Location ID:			ST18016	ST18017	ST18001	ST13001	ST17001	ST18003		ST24001	ST18006	ST18007	ST18011	
Sample ID:			LORNG_ST18016_060 42024	LORNG_ST18017_060 42024	LORNG_ST18001_061 52022	LORNG_ST13001_061 42022	LORNG_ST17001_061 62022	LORNG_ST18003_061 62022	LORNG_ST18003_061 62022FD	LORNG_ST24001_061 62022	LORNG_ST18006_061 52022	LORNG_ST18007_061 62022	LORNG_ST18011_101 32023	
Sample Date:			6/4/2024	6/4/2024	6/15/2022	6/14/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/15/2022	6/16/2022	10/13/2023	
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	
Sample Type:			N	N	N	N	N	N	FD	N	N	N	N	
Latitude:			46.930691	46.930406	46.9671535	46.95618555	46.9599365	46.9620539	46.9620539	46.9602759	46.9581764	46.9579384	46.93552517	
Longitude:			-67.884816	-67.883576	-67.8888703	-67.89768292	-67.8930242	-67.8873232	-67.8873232	-67.8929066	-67.888604	-67.8867776	-67.87449927	
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
Perfluorobutanoic acid (PFBA)	57000	75700	4.3 J	3.3 J	1.8 J	7.5	18 UJ	18 UJ	18 UJ	4.3 J	4.2 J	9 J	2.9 J	
Perfluoropentanoic acid (PFPeA)	-	-	4.6 J	3.2 J	1.8 U	1.8 U	2.6 J	6.3 J	8.9 U	2.6 J	3.9 J	7.1 J	2.5 J	
Perfluorohexanoic acid (PFHxA)	46000	33800	6.5	3.4 J	1.8 U	3.2 J	1.9 J	8.9 U	3.2 J	1.6 J	2.7 J	3.6 J	1.7	
Perfluoroheptanoic acid (PFHpA)	-	-	4.3	2.6 J	1.8 U	2.9 J	2.1 J	3.4 J	3.3 J	2 J	3.3 J	3.5 J	1.7	
Perfluorooctanoic acid (PFOA)	0.25	36400	3.5 J	2.5 J	1.8 U	3.4 J	2.5 J	3.3 J	3.2 J	2.3 J	2.6 J	3.7 J	1.6	
Perfluorononanoic acid (PFNA)	260	88	0.75 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.3 J	0.58 J	
Perfluorodecanoic acid (PFDA)	0.2	71.6	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1 U	
Perfluoroundecanoic acid (PFUnA)	-	-	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	0.5 U	
Perfluorododecanoic acid (PFDoA)	-	-	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	1 U	
Perfluorotridecanoic acid (PFTrDA)	-	-	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 UJ	1 U	
Perfluorotetradecanoic acid (PFTeDA)	-	-	1.9 U	1.8 U	1.8 U	1.8 UJ	8.9 UJ	8.9 UJ	8.9 UJ	8.9 U	1.8 UJ	1.8 UJ	0.5 U	
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.8 J	0.92 J	1.8 U	1.8 U	1.8 U	8.9 U	1.8 U	1.8 U	1.1 J	1.7 J	0.32 J	
Perfluoropentanesulfonic acid (PFPeS)	-	-	2.4 J	1.6 J	1.8 U	1.8 U	1.8 U	8.9 U	1.8 U	1.8 U	1.8 U	1.8 UJ	0.47 U	
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	32.9	22	1.2 J	10.3	5.9	10.5	9.9	5.1	10.7	10.9 J	3.6	
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.67 J	0.86 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	0.47 U	
Perfluorooctanesulfonic acid (PFOS)	10	12.8	25.6	35	1.8 U	12	8.3	18.6	18.6	11.4	39.5	6.5 J	7	
Perfluorononanesulfonic acid (PFNS)	-		1.9 U	1.8 U	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	0.94 U	
Perfluorodecanesulfonic acid (PFDS)	-		1.9 UJ	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UJ	0.47 U	
Perfluorododecanesulfonic acid (PFDoS)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	1 U	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		7.5 U	7.3 U	3.6 U	3.6 U	3.6 U	18 U	3.6 U	3.6 U	3.6 U	3.6 UJ	1.9 U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		7.5 U	7.3 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 UJ	1.9 U	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		7.5 U	7.3 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 UJ	3.8 U	
Perfluorooctane sulfonamide (PFOSA)	-		0.69 J	1.8 U	1.8 U	1.8 UJ	8.9 UJ	8.9 U	8.9 U	8.9 UJ	1.8 U	1.8 UJ	0.25 U	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		3.8 U	3.6 U	0 R	0 R	0 R	0 R	0 R	0 R	3.6 UJ	0 R	1 U	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	1 U	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		3.8 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	1 U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		3.8 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	18 U	3.6 U	3.6 UJ	1 U	
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		19 UJ	18 UJ	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		19 UJ	18 UJ	NA	NA	NA	NA	NA	NA	NA	NA	5 U	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		1.9 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	4 U	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	3.8 U	
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		1.9 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U	
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	60 U	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	6.6 U	
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		3.8 U	3.6 U	NA	NA	NA	NA	NA	NA	NA	NA	6.6 U	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		1.9 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		9.4 U	9.1 U	NA	NA	NA	NA	NA	NA	NA	NA	8.8 U	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		19 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	31 U	
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		19 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	31 U	

Notes
- Storm sewer analytical results were not compared to any ecological benchmarks as there are no regulatory ecological benchmarks for storm sewer water. The lowest ecological surface water/porewater benchmark is included only as a reference.
- See Table 1-1 for additional notes and Table 1-3 for information about screening levels.

Created by: AKN 4/3/2025
Checked by: WB 4/23/2025
Revised by: EDB 6/23/2025
Checked by: RAF 6/26/2025

Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST18012	ST20001								ST21001	
Location ID:			ST18012	ST18002		ST20001			ST20002			ST21001	ST21002
Sample ID:			LORNG_ST18012_10132023	LORNG_ST18002_08312022	LORNG_ST18002_08312022FD	LORNG_ST20001_06182022	LORNG_ST20001_10102023	LORNG_ST20001_10102023FD	LORNG_ST20002_06162022	LORNG_ST20002_10102023	LORNG_ST20002_10102023FD	LORNG_ST21001_06162022	LORNG_ST21002_09282023
Sample Date:			10/13/2023	8/31/2022	8/31/2022	6/18/2022	10/10/2023	10/10/2023	6/16/2022	10/10/2023	10/10/2023	6/16/2022	9/28/2023
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50
Sample Type:			N	N	FD	N	N	FD	N	N	FD	N	N
Latitude:			46.93358173	46.9659202	46.9659202	46.96952	46.96952	46.96952	46.9691758	46.9691758	46.9691758	46.9327931	46.93290062
Longitude:			-67.87821571	-67.8918259	-67.8918259	-67.89062	-67.89062	-67.89062	-67.8928694	-67.8928694	-67.8928694	-67.8973647	-67.8901057
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	57000	75700	2 J	4.4 J	4.1 J	2.6 J	1.4 J	1.3 J	20 U	1.1 J	1.2 J	18 UJ	15
Perfluoropentanoic acid (PFPeA)	-	-	0.27 J	5.9	4.3	4	1 J	1 J	10 U	0.5 U	0.5 U	11.6 J	27
Perfluorohexanoic acid (PFHxA)	46000	33800	0.29 J	1.9 J	2.2 J	2 U	2	2	10 U	0.52 J	0.46 J	11.6	22
Perfluoroheptanoic acid (PFHpA)	-	-	0.36 J	1.3 J	1.1 J	1.2 J	0.74 J	0.72 J	2 U	0.54 J	0.57 J	6.4	31
Perfluorooctanoic acid (PFOA)	0.25	36400	0.34 J	1.1 J	1.5 J	2 J	1.4 J	1.2 J	2 U	0.55 J	0.54 J	12.8	16
Perfluorononanoic acid (PFNA)	260	88	0.29 J	2 U	2 U	1.3 J	0.57 J	0.38 J	2 U	0.28 J	0.34 J	1.9 J	2.4
Perfluorodecanoic acid (PFDA)	0.2	71.6	1 U	2 U	2 U	2 U	0.49 J	0.48 J	2 U	1 U	1 U	1.8 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	0.2 J	2 U	2 U	2 U	0.93 J	0.64 J	2 U	0.5 U	0.5 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	1 U	2 U	2 U	2 U	1 U	1 U	2 U	1 U	1 U	1.8 U	1 U
Perfluorotridecanoic acid (PFTrDA)	-	-	1 U	2 U	2 U	2 U	1 U	1 U	2 U	1 U	1 U	1.8 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	0.5 U	10 U	2 U	0 R	0.5 U	0.5 U	10 U	0.5 U	0.5 U	8.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	30000	160000	0.21 J	2 U	2 U	1.6 J	1.7	1.8	10 U	0.35 J	0.25 J	4.5	2.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	0.47 U	2 U	2 U	2.9 J	2.5	2.5	10 U	0.47 U	0.47 U	7.2	3.1
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	1.5 J	26.7	29.9	37.4	34	36	4	1.8	1.7	88.9	59
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.47 U	2 U	2 U	2.7 J	1.4 J	1.7	2 U	0.47 U	0.47 U	4.7 J	0.98 J
Perfluorooctanesulfonic acid (PFOS)	10	12.8	2.1	6.9	10.4	257	160	140	12.8	4	3.2	339	48
Perfluorononanesulfonic acid (PFNS)	-		0.94 U	2 U	2 U	1 J	0.94 U	0.94 U	2 U	0.94 U	0.94 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-		0.47 U	2 U	2 U	2 U	0.47 U	0.47 U	2 U	0.47 U	0.47 U	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-		1 U	NA	NA	NA	1 U	1 U	NA	1 U	1 U	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		1.9 U	4 U	4 U	4 U	1.9 U	1.9 U	20 U	1.9 U	1.9 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		1.9 U	4 U	4 U	4 U	1.9 U	1.9 U	4 U	1.9 U	1.9 U	3.6 U	0.87 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		3.8 U	4 U	4 U	4 U	3.8 U	3.8 U	4 U	3.8 U	3.8 U	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-		0.25 U	2 U	2 U	2 U	0.39 J	0.25 U	2 U	0.25 U	0.25 U	1.8 U	2
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		1 U	0 R	4 UJ	0 R	1 U	1 U	0 R	1 U	1 U	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		1 U	NA	NA	NA	1 U	1 U	NA	1 U	1 U	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		1 U	4 U	4 U	4 U	1 U	1 U	4 U	1 U	1 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		1 U	4 U	4 U	4 U	1 U	1 U	4 U	1 U	1 U	3.6 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		2.5 U	NA	NA	NA	2.5 U	2.5 U	NA	2.5 U	2.5 U	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		5 U	NA	NA	NA	5 U	5 U	NA	5 U	5 U	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		4 U	NA	NA	NA	4 U	4 U	NA	4 U	4 U	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		3.8 U	NA	NA	NA	3.8 U	3.8 U	NA	3.8 U	3.8 U	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		2 U	NA	NA	NA	2 U	2 U	NA	2 U	2 U	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		0.5 U	NA	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		60 U	NA	NA	NA	60 U	60 U	NA	60 U	60 U	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		6.6 U	NA	NA	NA	6.6 U	6.6 U	NA	6.6 U	6.6 U	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		6.6 U	NA	NA	NA	6.6 U	6.6 U	NA	6.6 U	6.6 U	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		3.1 U	NA	NA	NA	3.1 U	3.1 U	NA	3.1 U	3.1 U	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		8.8 U	NA	NA	NA	8.8 U	8.8 U	NA	8.8 U	8.8 U	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		31 U	NA	NA	NA	31 U	31 U	NA	31 U	31 U	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		31 U	NA	NA	NA	31 U	31 U	NA	31 U	31 U	NA	31 U

Notes
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Table 4-8
Storm Sewer PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Discharge Point:			ST21001								ST23003		
Location ID:			ST21002	ST21003	ST21004		ST21005		ST21016	ST21018	ST23002	ST23003	
Sample ID:			LORNG_ST21002_060 52024	LORNG_ST21003_092 82023	LORNG_ST21004_092 82023	LORNG_ST21004_060 52024	LORNG_ST21005_092 82023	LORNG_ST21005_060 42024	LORNG_ST21016_060 52024	LORNG_ST21018_060 52024	LORNG_ST23002_061 62022	LORNG_ST23003_061 62022	
Sample Date:			6/5/2024	9/28/2023	9/28/2023	6/5/2024	9/28/2023	6/4/2024	6/5/2024	6/5/2024	6/16/2022	6/16/2022	
Sample Depth (ft bgs):			0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	0.00-0.50	
Sample Type:			N	N	N	N	N	N	N	N	N	N	
Latitude:			46.93290062	46.93283265	46.93275147	46.93275147	46.93275608	46.93275608	46.93485799	46.934023	46.9300453	46.9273845	
Longitude:			-67.8901057	-67.89136429	-67.8932326	-67.8932326	-67.89636668	-67.89636668	-67.89072699	-67.890452	-67.8941882	-67.8963541	
Analyte	Swimming SL (ng/L)	Eco SW PW Lowest Benchmark (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
Perfluorobutanoic acid (PFBA)	57000	75700	12.4 J	15	12	9.7 J	8.2	5.3 J	18.5	10 J	20 U	18 UJ	
Perfluoropentanoic acid (PFPeA)	-	-	14.5	27	21	11	13	8.9	4.9 J	17.6	1.1 J	3.8 J	
Perfluorohexanoic acid (PFHxA)	46000	33800	12.9	21	17	8.9	10	7.7	3.9	14.5	2 U	3.8	
Perfluoroheptanoic acid (PFHpA)	-	-	16.4	28	25	11.9	15	9	3.6 J	17.6	2 U	2.2 J	
Perfluorooctanoic acid (PFOA)	0.25	36400	8.6	14	12	6.4	8.2	4.9	2.6 J	9.2	4.4	4.2	
Perfluorononanoic acid (PFNA)	260	88	1.3 J	2	2.1	0.8 J	1.1 J	0.64 J	1.9 U	1.1 J	2 U	1.1 J	
Perfluorodecanoic acid (PFDA)	0.2	71.6	2 U	1 U	0.38 J	1.9 U	1 U	1.8 U	1.9 U	1.8 U	2 U	1.8 U	
Perfluoroundecanoic acid (PFUnA)	-	-	2 U	0.5 U	0.5 U	1.9 U	0.5 U	1.8 U	1.9 U	1.8 U	2 U	1.8 U	
Perfluorododecanoic acid (PFDoA)	-	-	2 U	1 U	1 U	1.9 U	1 U	1.8 U	1.9 U	1.8 U	2 U	1.8 U	
Perfluorotridecanoic acid (PFTrDA)	-	-	2 U	1 U	1 U	1.9 U	1 U	1.8 U	1.9 U	1.8 U	2 U	1.8 U	
Perfluorotetradecanoic acid (PFTeDA)	-	-	2 U	0.5 U	0.5 U	1.9 U	0.5 U	1.8 U	1.9 U	1.8 U	2 U	8.9 U	
Perfluorobutanesulfonic acid (PFBS)	30000	160000	1.3 J	2	2.1	1.2 J	1.3 J	0.87 J	0.87 J	1.2 J	2 U	1.3 J	
Perfluoropentanesulfonic acid (PFPeS)	-	-	1.8 J	2.8	2.4	1.3 J	1.8	3.6 U	3.8 U	1.8 J	2 U	1.8 U	
Perfluorohexanesulfonic acid (PFHxS)	1800	10800	22.5	49	46	17.8	30	17.8	2.1 J	24.8	4.9	25	
Perfluoroheptanesulfonic acid (PFHpS)	-	-	0.91 J	0.94 J	0.94 J	0.49 J	0.64 J	1.8 U	1.9 U	0.61 J	2 U	1.8 U	
Perfluorooctanesulfonic acid (PFOS)	10	12.8	18.3	46	58	17.5	25	10	2.9 J	34.4	3.8 J	38.9	
Perfluorononanesulfonic acid (PFNS)	-		2 U	0.94 U	0.94 U	1.9 U	0.94 U	1.8 U	1.9 U	1.8 U	2 U	1.8 U	
Perfluorodecanesulfonic acid (PFDS)	-		2 U	0.47 U	0.47 U	1.9 U	0.47 U	1.8 UJ	1.9 U	1.8 U	2 U	1.8 U	
Perfluorododecanesulfonic acid (PFDoS)	-		4 U	1 U	1 U	3.8 U	1 U	3.6 U	3.8 U	3.6 U	NA	NA	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-		8.1 U	1.9 U	1.9 U	7.5 U	1.9 U	7.1 U	76 U	7.3 U	4 U	3.6 U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-		8.1 U	0.91 J	1.9 U	7.5 U	1.9 U	7.1 UJ	7.6 U	7.3 U	4 U	3.6 U	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-		8.1 U	3.8 U	3.8 U	7.5 U	3.8 U	7.1 U	7.6 U	7.3 U	4 U	3.6 U	
Perfluorooctane sulfonamide (PFOSA)	-		1 J	1.9	1.8	1.9 U	0.87 J	1.8 U	1.9 U	1.1 J	2 U	1.2 J	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-		4 U	1 U	1 U	3.8 U	1 U	3.6 U	3.8 U	3.6 U	20 UJ	0 R	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-		4 U	1 U	1 U	3.8 U	1 U	3.6 U	3.8 U	3.6 U	NA	NA	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-		4 U	1 U	1 U	3.8 U	1 U	3.6 U	3.8 U	3.6 U	4 U	3.6 U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-		4 U	1 U	1 U	3.8 U	1 U	3.6 U	3.8 U	3.6 U	4 U	3.6 U	
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-		20 U	2.5 U	2.5 U	19 U	2.5 U	18 UJ	19 U	18 UJ	NA	NA	
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-		20 U	5 U	5 U	19 U	5 U	18 UJ	19 U	18 UJ	NA	NA	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11		2 U	4 U	4 U	1.9 U	4 U	1.8 U	1.9 U	1.8 U	NA	NA	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-		4 U	3.8 U	3.8 U	3.8 U	3.8 U	3.6 U	3.8 U	3.6 U	NA	NA	
Perfluoro-3-methoxypropanoic acid (PFMPA)	-		2 U	2 U	2 U	1.9 U	2 U	1.8 U	1.9 U	1.8 U	NA	NA	
Perfluoro-4-methoxybutanoic acid (PFMBA)	-		4 U	0.5 U	0.5 U	3.8 U	0.5 U	3.6 U	3.8 U	3.6 U	NA	NA	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-		4 U	60 U	60 U	3.8 U	60 U	3.6 U	3.8 U	3.6 U	NA	NA	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-		4 U	6.6 U	6.6 U	3.8 U	6.6 U	3.6 U	3.8 U	3.6 U	NA	NA	
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-		4 U	6.6 U	6.6 U	3.8 U	6.6 U	3.6 U	3.8 U	3.6 U	NA	NA	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-		2 U	3.1 U	3.1 U	1.9 U	3.1 U	1.8 U	1.9 U	1.8 U	NA	NA	
3-Perfluoropropyl propanoic acid (3:3FTCA)	-		10 U	8.8 U	8.8 U	9.4 U	8.8 U	8.9 U	9.5 U	9.1 U	NA	NA	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-		20 U	31 U	31 U	19 U	31 U	18 U	19 U	18 U	NA	NA	
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-		20 U	31 U	31 U	19 U	31 U	18 U	19 U	18 U	NA	NA	

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