



Table X - Soil PFAS Analytical Results  
3M Greystone PFAS Investigation  
Wausau, Wisconsin

Parameter	Units	CAS Number	Non-Industrial DC RCL	Industrial DC RCL	Boring ID	MW-12 [DUP]	MW-12	MW-14	MW-14	MW-4D	MW-4D [DUP]	MW-15	MW-15	MW-15	MW-15	MW-15 [DUP]	MW-15	
					Depth (ft bgs)	6-8	14-16	8-9	23-24	4-5	14-15	0-2	6-8	18-20	28-30	38-40	48-50	
					Sample Collection Date	9/3/2025	9/3/2025	9/4/2025	9/4/2025	9/3/2025	9/3/2025	9/4/2025	9/4/2025	9/4/2025	9/4/2025	9/4/2025	9/4/2025	
					Data Validation Date	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	
<b>Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)</b>																		
Perfluorobutanoic acid (PFBA)	ug/kg	375-22-4	--	--		0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21
Perfluoropentanoic acid (PFPeA)	ug/kg	2706-90-3	--	--		0.084	U	0.085	U	0.086	U	0.085	U	0.086	U	0.085	U	0.086
Perfluorohexanoic acid (PFHxA)	ug/kg	307-24-4	--	--		0.044	U	0.044	U	0.045	U	0.044	U	0.044	U	0.044	U	0.045
Perfluoroheptanoic acid (PFHpA)	ug/kg	375-85-9	--	--		0.076	U	0.077	U	0.078	U	0.077	U	0.077	U	0.078	U	0.078
Perfluorooctanoic acid (PFOA)	ug/kg	335-67-1	1,260	16,400		0.049	U	<b>0.11</b>	J	<b>0.099</b>	J	<b>0.26</b>	J	<b>0.12</b>	J	<b>0.29 [0.55]</b>	J	0.049
Perfluorononanoic acid (PFNA)	ug/kg	375-95-1	--	--		0.055	U	0.056	U	0.057	U	0.056	U	0.055	U	0.056	U	0.057
Perfluorodecanoic acid (PFDA)	ug/kg	335-76-2	--	--		0.046	U	0.046	U	0.047	U	0.046	U	0.047	U	0.046	U	0.047
Perfluoroundecanoic acid (PFUdA)	ug/kg	2058-94-8	--	--		0.046	U	0.047	U	0.048	U	0.047	U	0.047	U	0.048	U	0.047
Perfluorododecanoic acid (PFDoA)	ug/kg	307-55-1	--	--		0.044	U	0.044	U	0.045	U	0.044	U	0.044	U	0.044	U	0.045
Perfluorotridecanoic acid (PFTriDA)	ug/kg	72629-94-8	--	--		0.041	U	0.042	U	0.042	U	0.042	U	0.041	U	0.041	U	0.042
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	376-06-7	--	--		0.049	U	0.05	U	0.05	U	0.05	U	0.049	U	0.049	U	0.05
<b>Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)</b>																		
Perfluorobutane sulfonic acid (PFBS)	ug/kg	375-73-5	--	--		0.037	U	0.038	U	0.038	U	0.038	U	0.037	U	0.037	U	0.038
Perfluoropentane sulfonic acid (PFPeS)	ug/kg	2706-91-4	--	--		0.047	U	0.048	U	0.048	U	0.048	U	0.047	U	0.047	U	0.048
Perfluorohexane sulfonic acid (PFHxS)	ug/kg	355-46-4	--	--		0.048	U	0.049	U	0.049	U	<b>0.25</b>	J	0.049	U	0.048	U	0.049
Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	375-92-8	--	--		0.058	U	0.059	U	0.06	U	<b>0.11</b>	J	0.059	U	0.06	U	0.059
Perfluorooctane sulfonic acid (PFOS)	ug/kg	1763-23-1	1,260	16,400		0.039	U	<b>0.56</b>	J	<b>5.9</b>	J	<b>0.043</b>	J	<b>0.27</b>	J	<b>2.2 [3.7]</b>	J	<b>0.18</b>
Perfluorononane sulfonic acid (PFNS)	ug/kg	68259-12-1	--	--		0.052	U	0.052	U	0.053	U	0.052	U	0.053	U	0.052	U	0.053
Perfluorodecane sulfonic acid (PFDS)	ug/kg	335-77-3	--	--		0.057	U	0.057	U	0.058	U	0.058	U	0.057	U	0.057	U	0.058
Perfluorododecanesulfonic acid (PFDoS)	ug/kg	79780-39-5	--	--		0.042	U	0.042	U	0.043	U	0.042	U	0.042	U	0.042	U	0.043
<b>Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)</b>																		
Perfluorooctane sulfonamide (PFOSA)	ug/kg	754-91-6	--	--		0.043	U	0.043	U	<b>0.086</b>	J	0.044	U	0.044	U	<b>0.30 [0.47]</b>	J	0.043
N-methyl perfluorooctane sulfonamide (NMeFOSA)	ug/kg	31506-32-8	--	--		0.059	U	0.06	U	0.061	U	0.06	U	0.06	U	0.061	U	0.06
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	ug/kg	4151-50-2	--	--		0.051	U	0.052	U	0.052	U	0.052	U	0.051	U	0.051	U	0.052
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ug/kg	2355-31-9	--	--		0.053	U	0.054	U	0.054	U	0.054	U	0.053	U	0.053	U	0.054
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ug/kg	2991-50-6	--	--		0.072	U	0.073	U	0.074	U	0.073	U	0.074	U	<b>[0.089]</b>	J	0.073
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	ug/kg	24448-09-7	--	--		0.45	U	0.46	U	0.46	U	0.46	U	0.45	U	0.45	U	0.46
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ug/kg	1691-99-2	--	--		0.38	U	0.39	U	0.39	U	0.39	U	0.38	U	0.38	U	0.39
<b>Fluorotelomer Substances (FTS)</b>																		
4:2 Fluorotelomer sulfonic acid (4:2FTS)	ug/kg	757124-72-4	--	--		0.13	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14
6:2 Fluorotelomer sulfonic acid (6:2FTS)	ug/kg	27619-97-2	--	--		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20
8:2 Fluorotelomer sulfonic acid (8:2FTS)	ug/kg	39108-34-4	--	--		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20
<b>Replacement Chemicals</b>																		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	13252-13-6	--	--		0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ug/kg	919005-14-4	--	--		0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ug/kg	756426-58-1	--	--		0.18	U	0.19	U	0.19	U	0.19	U	0.18	U	0.18	U	0.19
11-chloroeicosafluoro-3-oxau ecane-1-sulfonic acid (11Cl-PF3OUdS)	ug/kg	763051-92-9	--	--		0.14	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15
<b>Combined PFOA a PFOS</b>	<b>ug/kg</b>		--	--		ND		<b>0.67</b>		<b>5.999</b>		<b>0.303</b>		<b>0.39</b>		<b>5.1 [4.25]</b>		<b>0.18</b>

Notes:

1. PFAS laboratory analysis was completed utilizing method EPA 1633
2. ug/kg = microgram per kilogram
3. -- = Criteria Not Established
4. DC RCL - Wisconsin Department of Natural Resources (WDNR) Direct-Contact Residual Contaminant Level
5. U.S. EPA RSL - U.S. Environmental Protection Agency Regional Screening Level, TR=1E-06, THQ=1.0
6. U = Analyte was not detected and is reported as LOD.
7. J = Estimated concentration at or above Limit of Detection (LOD) a below Limit of Quantification (LOQ).
8. I = Isotope ratio out of specification
9. D = Result obtained from analysis of diluted sample
10. **Bold** values signify a detection
11. No exceedances of WDNR Direct-Contact Residual Contaminant Level
12. Background surface soil samples collected at SS-05 a SS-08.

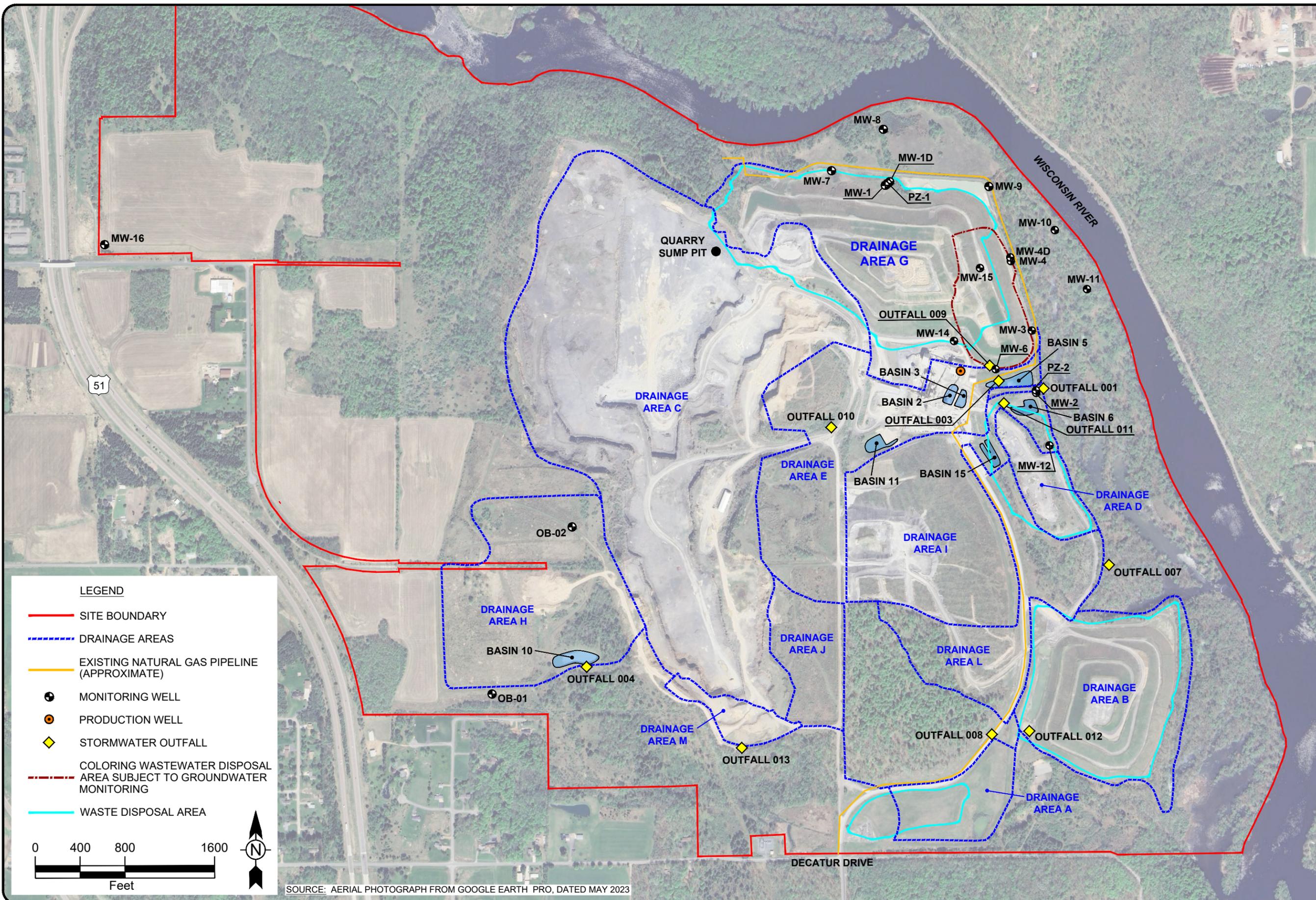
Table X - Soil PFAS Analytical Results  
3M Greystone PFAS Investigation  
Wausau, Wisconsin

Parameter	Units	CAS Number	Non-Industrial DC RCL	Industrial DC RCL	Boring ID	MW-15	MW-15	SS-01	SS-02	SS-03	SS-04 [DUP]	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10												
					Depth (ft bgs)	50.5-52.5	57-59	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1									
					Sample Collection Date	9/4/2025	9/4/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025	9/17/2025								
					Data Validation Date	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026	1/20/2026								
<b>Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)</b>																													
Perfluorobutanoic acid (PFBA)	ug/kg	375-22-4	--	--		0.21	U	0.21	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
Perfluoropentanoic acid (PFPeA)	ug/kg	2706-90-3	--	--		0.086	U	0.085	U	0.39	U	0.41	U	0.39	U	0.39	U	0.39	U	0.39	U	0.40	U	0.40	U	0.39	U	0.39	U
Perfluorohexanoic acid (PFHxA)	ug/kg	307-24-4	--	--		0.045	U	<b>0.061</b>	J	<b>0.27</b>		0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluoroheptanoic acid (PFHpA)	ug/kg	375-85-9	--	--		0.078	U	<b>0.078</b>	J	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorooctanoic acid (PFOA)	ug/kg	335-67-1	1,260	16,400		<b>0.18</b>	J	<b>0.45</b>		<b>0.34</b>		<b>0.58</b>		<b>0.58</b>		<b>0.23 [0.27]</b>		0.19	U	0.19	U	0.20	U	0.20	U	<b>0.24</b>		<b>0.36</b>	
Perfluorononanoic acid (PFNA)	ug/kg	375-95-1	--	--		0.056	U	0.056	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorodecanoic acid (PFDA)	ug/kg	335-76-2	--	--		0.047	U	0.046	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluoroundecanoic acid (PFUdA)	ug/kg	2058-94-8	--	--		0.048	U	0.047	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorododecanoic acid (PFDoA)	ug/kg	307-55-1	--	--		0.045	U	0.044	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorotridecanoic acid (PFTriDA)	ug/kg	72629-94-8	--	--		0.042	U	0.042	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	376-06-7	--	--		0.05	U	0.05	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
<b>Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)</b>																													
Perfluorobutane sulfonic acid (PFBS)	ug/kg	375-73-5	--	--		0.038	U	0.038	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluoropentane sulfonic acid (PFPeS)	ug/kg	2706-91-4	--	--		0.048	U	0.048	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorohexane sulfonic acid (PFHxS)	ug/kg	355-46-4	--	--		<b>0.051</b>	J	<b>0.11</b>	J	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	375-92-8	--	--		0.06	U	<b>0.10</b>	J	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorooctane sulfonic acid (PFOS)	ug/kg	1763-23-1	1,260	16,400		<b>4.2</b>		<b>12.7</b>		<b>0.33</b>		<b>0.38</b>		<b>0.23</b>		0.19	U	<b>0.43</b>		<b>0.31</b>		<b>0.30</b>		<b>0.83</b>		<b>0.20</b>		<b>0.31</b>	
Perfluoronone sulfonic acid (PFNS)	ug/kg	68259-12-1	--	--		0.053	U	0.052	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorodecane sulfonic acid (PFDS)	ug/kg	335-77-3	--	--		0.058	U	0.057	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
Perfluorododecanesulfonic acid (PFDoS)	ug/kg	79780-39-5	--	--		0.043	U	0.042	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
<b>Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)</b>																													
Perfluorooctane sulfonamide (PFOSA)	ug/kg	754-91-6	--	--		<b>1.6</b>		<b>0.83</b>		0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
N-methyl perfluorooctane sulfonamide (NMeFOSA)	ug/kg	31506-32-8	--	--		0.061	U	0.06	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	ug/kg	4151-50-2	--	--		<b>0.42</b>		0.052	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ug/kg	2355-31-9	--	--		0.054	U	0.054	U	0.19	U	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ug/kg	2991-50-6	--	--		<b>6.7</b>		<b>0.23</b>		0.19	U	<b>0.36</b>		0.19	U	0.19	U	0.19	U	0.19	U	0.20	U	0.20	U	0.19	U	0.19	U
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	ug/kg	24448-09-7	--	--		0.46	U	0.46	U	1.9	U	2.00	U	1.9	U	1.9	U	1.9	U	1.9	U	2.00	U	2.0	U	1.9	U	1.9	U
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ug/kg	1691-99-2	--	--		0.39	U	0.39	U	1.9	U	2.00	U	1.9	U	1.9	U	1.9	U	1.9	U	2.00	U	2.0	U	1.9	U	1.9	U
<b>Fluorotelomer Substances (FTS)</b>																													
4:2 Fluorotelomer sulfonic acid (4:2FTS)	ug/kg	757124-72-4	--	--		0.14	U	0.14	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
6:2 Fluorotelomer sulfonic acid (6:2FTS)	ug/kg	27619-97-2	--	--		0.20	U	0.20	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
8:2 Fluorotelomer sulfonic acid (8:2FTS)	ug/kg	39108-34-4	--	--		0.20	U	0.20	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
<b>Replacement Chemicals</b>																													
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	13252-13-6	--	--		0.19	U	0.19	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	919005-14-4	--	--		0.18	U	0.18	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ug/kg	756426-58-1	--	--		0.19	U	0.19	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
11-chloroeicosafluoro-3-oxau ecane-1-sulfonic acid (11Cl-PF3OUdS)	ug/kg	763051-92-9	--	--		0.15	U	0.15	U	0.78	U	0.81	U	0.78	U	0.77	U	0.77	U	0.78	U	0.80	U	0.80	U	0.78	U	0.77	U
<b>Combined PFOA a PFOS</b>	<b>ug/kg</b>		--	--		<b>4.38</b>		<b>13.15</b>		<b>0.67</b>		<b>0.96</b>		<b>0.81</b>		<b>0.23 [0.27]</b>		<b>0.43</b>		<b>0.31</b>		<b>0.30</b>		<b>0.83</b>		<b>0.44</b>		<b>0.67</b>	

**Notes:**

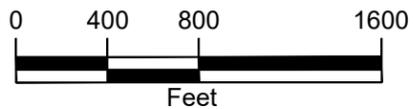
1. PFAS laboratory analysis was completed utilizing method EPA 1633
2. ug/kg = microgram per kilogram
3. -- = Criteria Not Established
4. DC RCL - Wisconsin Department of Natural Resources (WDNR) Direct-Contact Residual Contaminant Level
5. U.S. EPA RSL - U.S. Environmental Protection Agency Regional Screening Level, TR=1E-06, THQ=1.0
6. U = Analyte was not detected and is reported as LOD.
7. J = Estimated concentration at or above Limit of Detection (LOD) a below Limit of Quantification (LOQ).
8. I = Isotope ratio out of specification
9. D = Result obtained from analysis of diluted sample
10. **Bold** values signify a detection
11. No exceedances of WDNR Direct-Contact Residual Contaminant Level
12. Background surface soil samples collected at SS-05 a SS-08.

11/19/2025 1:50:27 PM - P:\ACAD\001312-25006-3MWA\001312-25006-005A.DWG - PAUGH, CHRISTINA



**LEGEND**

- SITE BOUNDARY
- - - DRAINAGE AREAS
- EXISTING NATURAL GAS PIPELINE (APPROXIMATE)
- MONITORING WELL
- PRODUCTION WELL
- ◆ STORMWATER OUTFALL
- - - COLORING WASTEWATER DISPOSAL AREA SUBJECT TO GROUNDWATER MONITORING
- WASTE DISPOSAL AREA



SOURCE: AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, DATED MAY 2023



www.tetrattech.com  
 13555 BISHOPS COURT, SUITE 201  
 BROOKFIELD, WI 53005  
 PHONE: 262.792.1282

3M WAUSAU - GREYSTONE  
 410 DECATUR DRIVE  
 WAUSAU, WISCONSIN 54401

**MONITORING WELL LOCATIONS**

Project No.: 117-001312-25006  
 Date: 11/19/25  
 Drawn By: CP  
 Checked By: CB

FIGURE X

Bar Measures 1 inch



Path: C:\Users\CASS.STEGNER\Documents\Projects\Greystone\Working\Working.aprx



1100 South McCaslin Blvd, Suite 150  
 Superior, Colorado 80027  
 Phone: (303) 664-4630

**3M WAUSAU - GREYSTONE**  
 410 DECATUR DRIVE  
 WAUSAU, WISCONSIN 54401  
**Surface Soil Samples Locations,  
 September 2025**

Project No.: 117-001312-25006  
 Date: 1/22/2026  
 Designed By: CS

Figure No.  
**X**