MAINE PFAS SCREENING LEVELS

July 2025

Soil Remedial Action Guidelines[1] (mg/kg dry weight)						
Compound	Leaching to Groundwater	Residential	Commercial Worker	Park User	Recreator Sediment	Construction Worker
PFBS	0.11	26	340	74	85	230
PFBA	0.36	110	1,600	300	350	2,000
PFHxS	0.00047	1.7	22	4.9	5.7	5.1
PFHxA	0.13	43	560	120	140	130
PFNA	0.0046	0.26	3.4	0.74	0.85	0.77
PFOS	0.001	0.17	2.2	0.49	0.57	0.51
PFOA	0.017	0.26	3.4	0.74	0.85	0.77
HFPO-DA	0.00081	0.32	4.8	0.9	1.1	10

Soil Beneficial Use[2] (ng/g dry weight)	
Compound	Beneficial Use
PFBS	1,900
PFOS	5.2
PFOA	2.5

Interim Drinking Water Standard[3] (ng/l or ppt)	
Compound	Residential
PFOS + PFOA + PFHpA + PFNA + PFHxS + PFDA	3.5

Fish Tissue Action Level (ng/g wet weight)	
Compound	Action Level
PFOS	3.5

Milk[4] (ng/l or ppt)	
Compound	Action Level
PFOS	210

Beef[5] (ng/g or ppb)	
Compound	Action Level
PFOS	3.4

Chicken Eggs[6] (ng/g or ppb)	
Compound	Action Level
PFOS	4.7

[1] Maine Department of Environmental Protection (Maine DEP), *Maine Remedial Action Guidelines (RAGs) for Contaminated Sites*, effective November 15, 2023.
[2] Maine DEP, *Maine Solid Waste Management Rules: Beneficial Use of Solid Wastes*, 06-096 C.M.R. ch. 418, Appendix A, last amended July 8, 2018.
[3] Resolve 2021, ch. 82, *Resolve, To Protect Consumers of Public Drinking Water by Establishing Maximum Contaminant Levels for Certain Substances and Contaminants*, Emergency, effective June 21, 2021.
[4] Maine Center for Disease Control and Prevention (CDC), *Action levels for PFOS in cow's milk*, Memorandum to Rachael Fiske, Maine Department of Agriculture, Conservation and Forestry (DACF), from Andrew Smith, SM, ScD and Thomas Simones, PhD, Maine CDC, March 28, 2017.
[5] Maine CDC, *Action levels for PFOS in beef for use in determining whether beef at a farm is adulterated*, Memorandum to Nancy McBrady, Maine DACF, from Andrew Smith, SM, ScD and Thomas Simones, PhD, Maine CDC, August 4, 2020.
[6] Maine Department of Agriculture, Conservation & Forestry, *Chicken Egg Action Level – Overview and Rationale*, June 24, 2025.

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Dairy[7] - PFOS Crop-Specific Soil Screening Levels (ng/g dry weight)			
	Soil to Hay to Milk Screening Level	Soil to Corn-Silage to Milk Screening Level	Soil to Hay and Corn-Silage to Milk Screening Level
Grass-Based Farm	6.8	120.0	6.4
Average Maine Farm	13.8	54.8	11.0

Helpful Conversions: 0.000001 ppm = 0.001 ppb = 1 ppt

Parts Per Million (ppm)	Parts Per Billion (ppb)	Parts Per Trillion (ppt)
1 milligram/kilogram (mg/kg) = 1 ppm 1 milligram/liter (mg/l) = 1 ppm 1 microgram/gram (µg/g) = 1 ppm	1 microgram/kilogram (µg/kg) = 1 ppb 1 microgram/liter (µg/l) = 1 ppb 1 nanogram/gram (ng/g) = 1 ppb	1 nanogram/kilogram (ng/kg) = 1 ppt 1 nanogram/liter (ng/l) = 1 ppt 1 picogram/gram (pg/g) = 1 ppt

[7] Maine CDC, *Derivation of PFOS soil screening levels for a soil-to-fodder-to-cow's milk agronomic pathway*, September 16, 2020.