

Unsafe Levels of PFAS Chemicals at a Maine Dairy Farm

PFOS and PFOA in Milk, Drinking Water & Soils Exceed Current Action Levels

Values reported in parts per trillion (ppt)

Media	PFAS Chemicals	Highest Level Measured ¹	Most Recent Action Level ²	Times Above Action Level
MILK	PFOS:	1,420	210	7 x
	PFOA:	< 50	-	-
DRINKING WATER – Farm Well	PFOS:	42.1	7	6 x
	PFOA:	8.9	11	-
DRINKING WATER – Public Well	PFOS:	76	7	10 x
	PFOA:	13	11	1 x
SOILS	PFOS:	878,000	21,000	42 x
	PFOA:	23,600	9,500	2 x
MANURE PILE	PFOS:	20,330	-	?
	PFOA:	3,206	-	?
HAY	PFOS:	9,669	-	?
	PFOA:	2,086	-	?

Sources (all samples were from Stoneridge Farm, Arundel, Maine):

¹ **Milk:** Maine Department of Agriculture, Conservation, and Forestry

Drinking Water (Public): Kennebunk, Kennebunkport and Wells Water District, Maine

Drinking Water (Farm), Manure, Hay: Maine Department of Environmental Protection (higher levels of PFAS were found by the water district in a monitoring well adjacent to the farm well.)

² **Milk:** Adulteration Level, determined by Maine Center for Disease Control and Prevention (CDC), Maine Department of Health and Human Services (2017)

Drinking Water: Based on Minimal Risk Levels drafted by Agency for Toxic Substances and Disease Registry, U.S. Department of Health and Human Services (June 2018). (The U.S. Environmental Protection Agency and Maine CDC advises that the sum of PFOS and PFOA should not exceed 70 ppt as a health advisory level or maximum exposure guideline.)

Soils: Remedial Action Guideline to prevent leaching from soil to groundwater, set by Maine Department of Environmental Protection.