

PFAS Regulatory & Guidance Limits for Drinking Water & Other Media – September 2019 (v.4)

Jurisdiction	Standard ¹	PFOA (ppt)	PFOS (ppt)	5 PFAS ² (ppt)	Notes
Drinking Water Limits					ppt (ng/L) is customary measure for PFAS in water
U.S. EPA (2016)	Advisory	70			Public Health Advisory (PHA) level
U.S. CDC – ATSDR (Oct. 2018)	Advisory	78/21	52/14		For Adult / For Child. Also PFHxS: 517/140, PFNA: 78/21
CA Prop 65 Listing (2017)	Regulatory	Detection	Detection		Reproductive toxicity concern; requires labeling
CA OEHHA notification levels	Developing	5.1	6.5		Adopted August 2019; level at which public water supply must notify local government.
CA OEHHA response levels	Developing	10	40		Planned for October 2019: response level at which drinking water source is taken offline https://oehha.ca.gov/water/notification-levels-chemicals-drinking-water
CT – DEEP (2018)	Guidance			70	
MA – DEP (2018)	Guidance			70	
MI – DEQ (2018)	Guidance	70	70		Promulgated rule. MI DEQ is also focused on source control / IPP.
MI – DHHS (2019)	Guidance	9	8		New low drinking water screening levels in 2019. Also PFNA = 9 ppt
MN – Health Dept. (2019)	Regulatory	35	15		Health Risk Levels (HRLs). PFHxS: 47 ppt
NH – DES (effective Sep. 30, 2019)	Regulatory	12	15		PFNA: 11 ppt. PFHxS: 18 ppt. All are also groundwater standards.
NJ – DEP (2018)	Guidance / Developing	14	13		NJ DEP is proposing to make these guidance values MCLs, but action has been pending 2+ years. 2018 regulatory MCL limit for PFNA: 13 ppt.
NY – Health Dep. (2018)	Developing	10	10		Drinking Water Quality Council proposed MCLs; formal MCL rulemaking began July 2019.
PA – DEP (2018)	Developing	TBD	TBD		PFAS Action Team started work November 2018.
VT (2016)	Guidance			20	Will become MCL by 2020, per state law. See groundwater standard below.
WA – DEH (2017)	Developing	TBD	TBD		Departments of Ecology and Health; Chemical Action Plan being developed
Almost all other states	Advisory	70			Most states are using EPA PHA as guidance.
Australia Health (2017)		560	70		
Canada Health (Dec. 2018)	Regulatory	200	600		And the sum of the ratios of the measured levels to the limits for PFOA + PFOS shall not exceed 1; e.g. 400 ppt is combined limit. Canada also set limit of 20 ppt on PFNA and 200 – 600 ppt for other PFAS. BC set PFOS limit at 300 ppt.
Denmark (2015)	Regulatory	100	100		
Sweden (2018)	Advisory			90 (see note)	Take action if sum of 11 PFAS >90 ppt (PFBS, PFHxS, PFOS, 6:2 FTSA, PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFNA and PFDA)
European Union (2018)	Developing	100	100	500 (see note)	Proposed advisory; sum of all PFAS limit: 500 ppt
United Kingdom (2009)	Guidance	300	300		Admin. Level 1 (lowest drinking water screening values)

Surface Water Limits					
MI (2015)	Regulatory	420	11		Applied to evaluation of wastewater effluent discharges.
Other states	no standards or screening values yet (except for OR 2011 "initiation levels": PFOA = 24,000 ppt, PFOS = 300,000 ppt, PFNA = 1,000 ppt, etc. Norway has an environmental quality standard for surface water of 9,100 ppt for PFOA and 0.65 ppt for PFOS. No other surface water standards known from other countries)				
Groundwater Limits					
U. S. EPA	Draft interim	70 (40 for each alone)			Proposed interim groundwater screening values
CO – DPHE	Regulatory	70	70		This is a groundwater cleanup goal for use in El Paso County only (ITRC T4 info).
MA – DEP	Proposed			20	Groundwater level for contaminated site cleanup. Includes 6th PFAS: PFDA.
MI – DEQ	Regulatory	70			For groundwater used for drinking water
NH – DES (effective Oct. 1, 2019)	Regulatory	12	15		PFNA: 11 ppt. PFHxS: 18 ppt. All are also drinking water standards.
NJ – DEP (interim Mar. 2019)	Regulatory	10	10		PFNA groundwater quality standard (Sept. 2017): 13 ppt
VT – DEC (2018)	Regulatory			20	This is also used as drinking water guidance & will become an MCL in 2020.
Most other states	no standards				
Soil & Materials Screening		PFOA (ppb)	PFOS (ppb)		ppb (ug/kg) is customary measure for PFAS in soils, sludges, biosolids, etc.
U. S. EPA (2018)	Guidance	0.172	0.378		Regional Screening Levels (RSLs) modeled to protect groundwater
AK – DEC (2018)	Proposed/on hold	0.29	0.53		Proposed – but on hold - Soil Cleanup, migration to groundwater risk
ME – DEP (Oct. 2018)	Regulatory	9.5	21		Remedial Action Guidelines (RAGs) for soil cleanup based on migration to groundwater risk modeling
ME – DEP (2017)	Regulatory	2.5	5.2		For screening solid waste for beneficial use; applied to biosolids by Maine DEP when moratorium on biosolids use imposed in March 2019.
MI – DEQ (2016)	Criteria	350	0.22		Groundwater Surface Water Protection Criteria
TX – CEQ (2017)	Protective Level	1.5 / 3.0	25 / 50		
VT – DEC (2016)	Regulatory	300			Soil screening level based on dermal contact & ingestion (not migration to groundwater pathway)
Most other states	no standards				

1 The standards and guidance limits included here are the most stringent (lowest values) of which we are aware; some additional jurisdictions have established more lenient (higher value) limits.

2 sum of 5 of the 6 UCMR 2013 PFAS chemicals: PFNA, PFOA, PFOS, PFHpA, PFHxS (the 6th UCMR PFAS chemical is PFBS)