

## PFAS Regulatory & Guidance Limits for Drinking Water & Other Media – August 2020 (v.6)

Jurisdiction	Standard <sup>1</sup>	PFOA (ppt)	PFOS (ppt)	5 PFAS <sup>2</sup> (ppt)	Notes
<b>Drinking Water Limits</b>					<b>ppt (ng/L) is customary measure for PFAS in water</b>
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 if detectable
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 Oct. 2019 but delayed: response level at which water source is taken offline <a href="https://oehha.ca.gov/water/notification-levels-chemicals-drinking-water">https://oehha.ca.gov/water/notification-levels-chemicals-drinking-water</a>
CT – DPH & DEEP (2018)	Guidance			70	
MA – DEP (2018)	Guidance			70	
MA - DEP (likely in 2020)	Regulatory			20	Proposed MCLs likely in 2020: 20 ppt for 6 PFAS, including PFDA.
MI – DEQ (2018)	Guidance	70	70		Promulgated rule. MI DEQ is also focused on source control / IPP.
MI – EGLE (Oct. 2019)	Developing	8	16		Also PFNA = 6 ppt, PFHxA = 400,000 ppt, PFHxS = 51 ppt, PFBS = 420 ppt, GenX = 370 ppt.
MI – DHHS (Dec. 2019)	MCL Screening	9	8		DHHS screening values also include: PFNA = 9 ppt, PFHxS = 84 ppt, and PFBS = 1000 ppt. (Same state, different agency numbers.)
MN – Health Dept. (2019)	Regulatory	35	15		Health Risk Limits (HRLs) and Health-based values. PFHxS: 47 ppt
NH – DES (effective Sep. 30, 2019, but still enjoined by court, Aug. 2020)	Regulatory	12	15		PFNA: 11 ppt. PFHxS: 18 ppt. All are also groundwater standards. Court order halted NH DES enforcement of these MCLs as of Jan. 1, 2020, pending court review.
NJ – DEP (proposed 2018, final June 2020)	Regulatory	14	13		These drinking water MCLs were published in the NJ Register June 1, 2020. The 2018 regulatory MCL limit for PFNA: 13 ppt.
NY – Health Dep. (2020)	Regulatory	10	10		Formal MCL rulemaking began July 2019; Gov. announced as final July 30, 2020.
PA – DEP (2018)	Developing	TBD	TBD		PFAS Action Team started work November 2018.
VT (2016)	Guidance			20	Becomes MCL in 2020, per state law.
WA – DEH (2017)	Developing	TBD	TBD		Departments of Ecology and Health; Chemical Action Plan being developed
Most U. S. states	Advisory	70			Most states are using EPA PHA as guidance.
Australia Health (2017)		560	70		
Canada Health (Dec. 2018)	Regulatory	200	600		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 20 ppt limit on PFNA & 200 – 600 ppt for other PFAS. BC PFOS limit = 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	Standard <sup>1</sup>	PFOA (ppt)	PFOS (ppt)	5 PFAS <sup>2</sup> (ppt)	Notes
MI (2015)	Regulatory	420	11 or 12		Applied to evaluation of wastewater effluent discharges. 11 ppt if drinking water source
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)				
<b>Groundwater Limits</b>					
U. S. EPA	Draft interim	70 (40 for each alone)			Proposed interim groundwater screening values
U. S. Dept. of Defense (DoD)	Guidance	400	400		PFBS = 40,000 ppt. These must be met for ending work on site cleanups. If more than 1 kind of PFAS is present, limits are 40 ppt each PFOA & PFOS, 40 ppb PFBS.
CO – DPHE & WQCC	Translation levels	70	70		PFNA: 70 ppt.
MA – DEP	Regulatory			20	Groundwater level for contaminated site cleanup. Includes 6th PFAS: PFDA.
MI – DEQ (now EGLE)	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 (effective 2020)	Regulatory	14	13		PFNA groundwater quality standard (2018): 13 ppt
VT – DEC (2018)	Regulatory			20	This is also used as drinking water guidance & will become an MCL in 2020.
WI Dept. Health Svcs. (2019)	Proposed	20			<a href="https://midwestadvocates.org/issues-actions/issues/detail/pfas">https://midwestadvocates.org/issues-actions/issues/detail/pfas</a>
Most other states	no standards				
<b>Soil &amp; Materials Screening</b>					
		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; NEBRA does not believe these are defensible for use in biosolids land application scenarios.
AK – DEC (2018)	Proposed/on hold	0.29	0.53		Proposed – but on hold - Soil Cleanup standard based on 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. ME is the only state to screen biosolids for PFAS. NEBRA does not believe these are appropriate for use with biosolids.
MI – DEQ (2016)	Criteria	350	0.22		Groundwater Surface Water Protection Criteria
NH – DES (2019)		200	100		PFHxS: 100 ppb, PFNA: 100 ppb. S-1 direct contact res. soil clean-up values; lowest in U. S.
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 & guidance limits 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 6<sup>th</sup> UCMR PFAS chemical is PFBS)