Per- and Polyfluorinated Alkyl Substances (PFASs) Connecticut Status

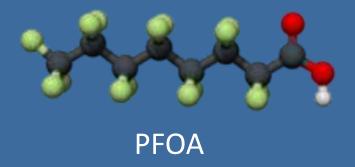
May 8, 2017
Shannon Pociu, Environmental Analyst 3 Remediation Division
NEWMOA PFAS Workshop
Quinebaug Community College, Danielson, CT

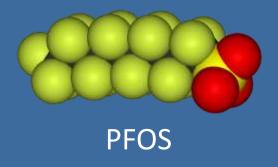


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Overview

- UCMR3 PFAS results for CT
- CT DPH Drinking Water Action Level
- CT Remediation Standard Regulations







PFASs in Drinking Water

- Unregulated Contaminant Monitoring Rule 3 (UCMR3) – Sampling of large water systems required by EPA nationwide
 - Good news in CT
 - Sampling between 2013-2015
 - No PFAS detections in 40 CT water systems required to monitor
 - 130 sources sampled, includes both surface water and groundwater





PFASs in Drinking Water

- Nov. 2016 CT DPH established a Drinking Water Action Level for PFASs in Private Wells
- 70 µg/L (ppt) for Σ 5 PFASs:
 - Perfluorooctanoic acid (PFOA)
 - Perfluorooctane sulfonate (PFOS)
 - Perfluorononanoic acid (PFNA)
 - Perfluoroheptanoic acid (PFHpA)
 - Perfluorohexane sulfonate (PFHxS)

http://www.ct.gov/dph/lib/dph/environmental_health/eoha/groundwater_w ell_contamination/110916_ct_action_level_list_nov_2016_update.pdf



Remediation Standard Regulations

- PFASs must be addressed as an Additional Polluting Substance at Remediation Sites
 - Utilize EPA's RfD of 0.00002 mg/kg/day
 - Soil Direct Exposure Criteria use equations in RSR Section 22a-133k-2(b)(5)
 - Groundwater Adopting CT DPH's Drinking Water
 Action Level of 70 ppt for ∑ PFOA, PFOS, PFNA,
 PFHpA, and PFHxS
 - OR Calculate Site-Specific Criteria for DEEP review and approval



Suggested APS Criteria for PFASs

Remediation Standard	Criterion
Residential Direct Exposure Criterion	1.35 mg/kg
Industrial/Commercial Direct Exposure Criterion	41 mg/kg
GA Pollutant Mobility Criterion	1.4 μg/kg
GB Pollutant Mobility Criterion	14 μg/kg
Groundwater Protection Criterion (adopting DPH's Drinking Water Action Level for ∑ PFOA, PFOS, PFNA, PFHpA, and PFHxS)	70 ng/L
Surface Water Protection Criterion	In Development

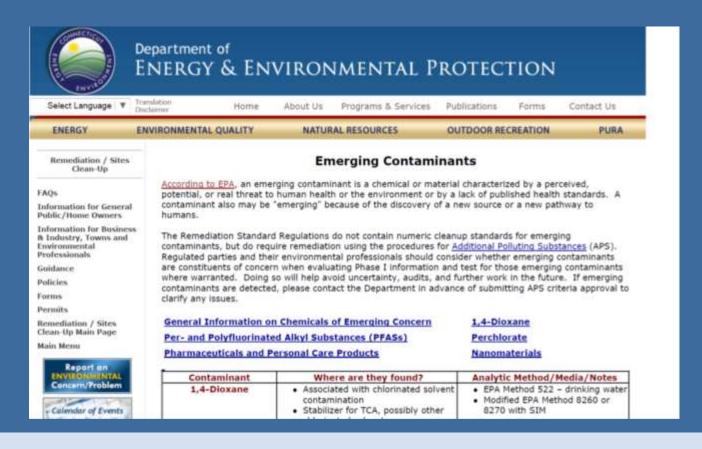
Applies to ∑ PFOA, PFOS, PFNA, PFHpA, & PFHxS



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Emerging Contaminants Webpage

http://www.ct.gov/deep/cwp/view.asp?a=2715&q=581988&deepNav GID=1626





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Thank you!

