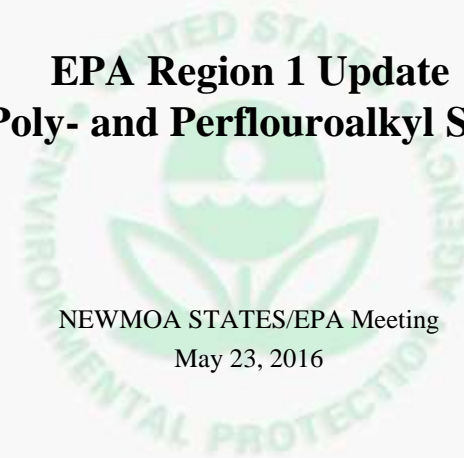


## EPA Region 1 Update PFAS: Poly- and Perfluoroalkyl Substances

NEWMOA STATES/EPA Meeting  
May 23, 2016



### Drinking Water Health Advisories

- Final Health Advisory published May 19, 2016.
- PFOS – 70 ppt
- PFOA – 70 ppt
- Includes a Reference Dose (RfD) based on current, peer-reviewed science.
- Recommends comparing combined concentrations of PFOS/PFOA to 70 ppt.
- Lifetime advisory for all populations. Protective of sensitive populations for shorter exposure periods.
- Toxicity values based on primarily on developmental effects.
- HA calculated based on drinking water intake of lactating women.

2



## Recommended Actions for DW Systems

- If > 70 ppt PFOS, PFOA or combination:
  - Prompt notification to appropriate drinking water safety agency.
  - Consult with DW agency re: additional sampling.
  - Prompt sharing of info with consumers, incl. information on risks to sensitive populations.
  - Consider steps to reduce exposures.



## Cleanup Programs

- RfD from Final Health Advisories = Tier 3 Toxicity Value.
- (RfD) for PFOA and PFOS is 0.00002 mg/kg/d.
- Regional Screening Level (RSL) – fall 2016 update.
- Removal Management Level (RML) – fall 2016 update.
- RSL/RML to be developed based on RfD and Superfund risk methodologies/policies.
- HQ consult on site-specific basis to develop screening/cleanup values until RSL and RML available.