



Report Out to ECOS: Federal Information Exchange on PFAS

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e Workshop



PFAS Information Exchange

- **Description**

- Cross-Federal Agency information sharing workshop on PFAS
- Sponsored by Toxics & Risk Subcommittee*
- NIH Campus, Bethesda, MD February 5 – 6, 2018

- **Objectives**

- Workshop participants will emerge with:
 - Better understanding of current PFAS state of science and knowledge gaps across participating federal agencies
 - Operational-level cooperation and collaboration among decision-makers and those who are effecting the science at the lab bench and in the field

*The Toxics & Risk is a Subcommittee of the National Science and Technology Council's Committee on Environment, Natural Resources, and Sustainability; Co-chaired by DoD, EPA and NIEHS



PFAS Information Exchange

- **Format:**

- Opening remarks by senior government leaders (NIEHS, CDC, EPA, DoD)
- Historical perspective: EPA's Office of Water
- Panel discussion: Issues confronting state health officials
- Plenaries: Overview; Health Science; Exposure Science; Remediation; Risk Assessment
- Breakouts: Exposure Science; Health Science; Remediation and Treatment
- Final session with path forward; of particular interest for the T&R
 - Common knowledge basis to inform policy-makers within federal agencies;
 - Report-out list of needs to inform future federal PFAS strategy; and
 - Continued open communication among agencies

- **Participation:**

- About 200 participants
- Several regulatory and non-regulatory agencies, e.g., DoD, EPA, CDC, NIH/NIEHS, NIST, FDA, NIOSH, USGS, NASA, NOAA, OMB, ECOS/ITRC

- **Proposed Outcomes:**

- Public Report (contingent on continued T&R Subcommittee existence)
- Continued collaboration under the T&R working groups or independently



Panel Discussion: Issues confronting state health officials

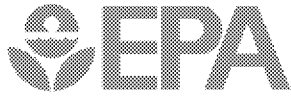
- Panelists: State health officials from NC, CO, PA, NH
- Some (not all) of the issues identified:
 - State-specific health advisory levels are a substantial challenge; need a uniform health advisory at federal level
 - Reference Dose (RfD) levels or cancer slopes needed
 - Developing health advisories – communications with states prior to release
 - Need for standardized testing approaches
 - Need for remediation methods
 - Conducting biomonitoring in blood; what does it mean? – risk communication
 - Communication tools to engage health care providers
 - Concerns with other sources, e.g., food
 - Identifying routes of exposure
 - Need for a shift away from chemical by chemical assessment
 - Communicating the meaning and consequences of low exposure levels
 - Identifying vulnerable populations



Highlights/Knowledge Gaps/Needs*

- Centralized source of PFAS standards
 - Define the chemical landscape for consistency
- Define relevant human health end-points or adverse outcomes
 - RfDs and slope factors
- Explore and define relevant ecological end-points or adverse outcomes
- Epidemiological studies to assess associations between exposures and defined human health endpoints

*From plenaries, breakout sessions and close out discussions



Highlights/Knowledge Gaps/Needs*

- Which specific PFAS will EPA and NTP use for Tier I and Tier II testing?
- What type of data/information will be generated from this testing and subsequent utility?
- Data generation for prioritizing PFAS with greatest potential risk
- Access to non-public toxicity and exposure information
- Consistency and comparability across data sources

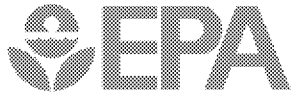
*From plenaries, breakout sessions and close out discussions



Highlights/Knowledge Gaps/Needs*

- Analytical methods for non-drinking water (DW) media (consistency in approach)
- Relative source contributions and exposure pathway-specific contributions
- Exposure route-specific mode of action
- Identification of precursor and transformation product relationships
- Point of use remediation methods
- Cheaper/faster methods to support remediation monitoring

*From plenaries, breakout sessions and close out discussions



Some Actionable Items*

- PFAS issue represents an opportunity for the use of new alternative methods to assess exposure and hazard and conduct risk assessments
- Visual research activity resource, “who is doing what, where”
- Centralized, cross-Federal government database available to states and communities
 - Study results
 - MS Library
 - Precursor and transformation products
- Improved risk communication
 - Consistent, easy to understand
 - Translation to understanding

*Within the purview of the T&R



Acknowledgments

T & R Subcommittee Co-Chairs:

Bindu Nair (DoD); Christopher Weis (NIEHS); *Ron Hines (EPA)*

Executive Secretary: Jennifer Coughlin

Science and Technology Fellow: Caitlyn McGuire

Hosts: NIEHS/NIH

Speakers and Participants

Disclaimer: The views expressed in this presentation are that of the presenters and do not necessarily represent the views and/or policies of the U.S. Environmental Protection Agency.