CONNECTICUT INTERAGENCY PFAS TASK FORCE

July 30, 2019
1:00-3:00 pm

Led by the
DEPARTMENT of PUBLIC HEALTH
DEPARTMENT of ENERGY AND ENVIRONMENTAL PROTECTION
Agenda

• Welcome & Introductions
• DPH & DEEP Program Introduction
• PFAS Overview
• PFAS Situation in CT
• State Action Plan Coordination & Next Steps
Welcome & Introductions

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Katie Dykes</td>
<td>Department of Energy and Environmental Protection</td>
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<tr>
<td>Renée Coleman-Mitchell</td>
<td>Department of Public Health</td>
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<tr>
<td>Paul Mounds</td>
<td>Office of the Governor</td>
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<tr>
<td>James Rovella</td>
<td>Department of Emergency Services and Public Protection</td>
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<tr>
<td>Kevin Dillon</td>
<td>Connecticut Airport Authority</td>
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<tr>
<td>Ben Neumon</td>
<td>Connecticut Military</td>
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<td>David Carey</td>
<td>Department of Agriculture</td>
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<td>Matthew Levine</td>
<td>Office of the Attorney General</td>
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<td>Jeff Beckham</td>
<td>Office of Planning and Management</td>
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<tr>
<td>Anna Barry</td>
<td>Department of Transportation</td>
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<tr>
<td>John Betkoski III</td>
<td>Public Utilities Regulatory Authority</td>
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<td>Leslie O’Brien</td>
<td>Department of Consumer Protection</td>
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<td>Stephen Link</td>
<td>Department of Correction</td>
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<td>Joseph Cassidy</td>
<td>Department of Administrative Services</td>
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<td>Jordan Scheff</td>
<td>Department of Developmental Services</td>
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<tr>
<td>Mark Ojakian</td>
<td>Connecticut State Colleges and Universities</td>
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<tr>
<td>Teresa Dominguez</td>
<td>University of Connecticut</td>
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Department of Energy and Environmental Protection

Regulating Discharges to the Environment

Pollution Prevention

Remediation Standard Regulations

Pollution Source Oversight
Department of Public Health
Healthy People in Healthy CT Communities

Public Drinking Water
Katherine A. Kelley Public Health Laboratory
Environmental Health Section
PFAS Overview: What are PFAS?

PFAS = Per- and Polyfluorinated Alkyl Substances

- Over 4,000 chemicals
- Developed in the 1940s
- Ubiquitous in consumer products and industry
- Common products
  - Non-stick cookware
  - Waterproof apparel
  - Stain-resistant carpet
  - Grease-resistant food packaging
- PFOA and PFOS most well-known
Some PFAS Uses
Aqueous Film-Forming Foam (AFFF)
Health Problems Posed by PFAS

- Health effects on multiple organs and phases of life
- Developmental effects to fetuses and infants
- Present in human blood worldwide
- Polluted drinking water supplies worldwide – now issue in US
- Ubiquitous discovery in the environment
- Replacement chemicals also a problem
Unique PFAS Management Challenges

Public Drinking Water
- No Safe Drinking Water Act enforceable standards

Health Standards
- Published research into health effects is moving faster than the government can act

Remediation
- No EPA lab methods for PFAS testing in media other than drinking water
- Sampling is expensive and challenging (cross-contamination)
- Limited cleanup options
Why is a PFAS Task Force Needed?

- The Federal government (US EPA) has been slow to act in regulating PFAS.
- Collaboration and cooperation among Agencies is necessary to protect the health and welfare of Connecticut’s residents and our environment.
- Information needs to be shared among Agencies and stakeholders.
Why is a PFAS Task Force Needed?

- Drinking Water
- Wastewater Treatment
- Biosolids
- Solid Waste Disposal
- Agriculture/Aquaculture
- Fire Protection
- Industry
- Site Cleanup/Brownfields
- Consumer Products
- Building Management
- State Assets
Our neighbors are already affected

Tainted water at former air base has New Hampshire families on edge

NH House Passes 2 Bills To Protect Firefighters And Public From Harmful Chemicals Including PFAS

MARCH 19, 2019

Maine Dairy Farmers Find PFAS In Their Milk, Again

Commonwealth Begins Program to Remove Legacy Firefighting Foams from Fire Department Stockpiles

New Initiative Targets Old Foam That Could Impact Environment, Public Health

A lurking danger for R.I.’s drinking water

By Alex Kuffner
Journal Staff Writer
kuffner@ri.gov
Posted May 17, 2019 at 5:00 PM
Updated May 18, 2019 at 5:38 PM

Vt. lawmakers pass bill requiring water testing, treatment for PFAS

State says sludge must be tested for ‘forever chemicals’ before it’s used as fertilizer

The new requirement comes as a farmer in Arundel blames municipal sludge containing PFAS for contaminating his land and dairy herd.

By Kevin Willett, Staff Writer

Hoosick Falls Study Finds More Illnesses Linked To PFOA Exposure

State reaches final agreement with Saint-Gobain on Bennington drinking water

N.H. Sues Makers of PFAS Chemicals for Drinking Water Contamination
Evolution of PFAS Knowledge in CT

- EPA-mandated testing of large public drinking water systems
- Contamination in Westchester County, NY
- DPH requires testing at proposed public wells
- DEEP samples near MIRA landfills
- AFFF release at Bradley Airport hangar
- DESPP and DEEP issue AFFF Use Bulletin

2013-2015 2017 2019

2016
- EPA Health Advisory and CT DPH Drinking Water Action Level
- EPA testing at two Superfund sites
- Testing & public outreach in Greenwich
- Windham fire training area tested
- DPH requires land use risk assessments by 80 PWS
- DESPP and DEEP form committee to select alternative to AFFF
## CT Agency Actions: DEEP

### Initial Identification of Possible Sites
- AFFF use – Airports, fire training areas
- Industry by SIC/NAICS codes
- Landfills

### Cleanup Criteria for Remediation Sites
- Soil and groundwater cleanup goals available for use

### Outreach and Coordination
- LEPs and regulated community
- Regional and national workgroups
- UConn
- DESPP
CT Agency Actions: DPH

- **Drinking Water Section**
  - Requires large public water systems to assess PFAS risk
  - Requires testing of new public drinking water sources

- **Public Health Laboratory**
  - Assessing feasibility for PFAS testing

- **Environmental Health Section**
  - Drinking Water Action Level for 5 PFAS
  - Health messaging and fact sheets
  - Outreach to private well owners and local health departments
Resident asks tough questions on PFAS contamination of well water

State officials seek to reassure public on health risks from Farmington River chemical spill
Webinar – PFAS 101

• August 7, 2019, 1:30-3:00 pm
• DPH and DEEP staff will provide a more detailed overview on PFAS.
• Additional information will follow via email.
PFAS Task Force Committees

Human Health
Minimize human health risk for Connecticut residents

Pollution Prevention
Minimize future releases of PFAS to the environment

Remediation
Identify, assess, and clean up historic releases of PFAS to the environment
Minimize human health risk for Connecticut residents

- Agency lead: DPH
- Date of first meeting: Week of August 12
- Example topics to consider:
  - Drinking water standards
  - Statewide testing of at-risk drinking water sources
  - Technical assistance to drinking water systems and private wells
  - Expanded fish and shellfish testing
  - Testing of agricultural products
Pollution Prevention Committee

Minimize future releases of PFAS to the environment

- Agency lead: DEEP
- Date of first meeting: Week of August 12
- Example topics to consider:
  - Determine universe of potential PFAS sources
  - Support for AFFF take-back program and initiatives to minimize AFFF use
  - Criteria for agricultural use of biosolids
  - Consideration of PFAS-free consumer product alternatives
Remediation Committee

Identify, assess, and clean up historic releases of PFAS to the environment

• Agency lead: DEEP
• Date of first meeting: Week of August 12
• Example topics to consider:
  - Determine universe of potential PFAS sites
  - Statewide assessment of environmental media (i.e., surface water, groundwater, soil)
  - Consideration of cleanup standards
  - Methods for cleaning up contaminated water and soil
Stakeholders

- Welcome to join any committee
- Sign up sheets in back of the room
Deliverable – The PFAS Action Plan

- Due to Governor on **October 1, 2019**
- Outline steps that CT should take to address human health, pollution prevention, and cleanup
  - Prioritize actions
  - Consider resource investments, legislative changes
### Task Force & Committee Actions

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<tr>
<th>Event Description</th>
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<tr>
<td>Governor Lamont orders formation of Task Force</td>
<td>7/8</td>
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<td>Meeting 1: Convene Task Force and establish committees</td>
<td>7/30</td>
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<td>Meeting 2: Working session; review committee progress and provide input</td>
<td>8/28</td>
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<td>Meeting 3: Review and assemble final Action Plan draft</td>
<td>9/18</td>
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<td>Task Force chairs submit PFAS Action Plan to Governor Lamont</td>
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**Week of 8/12**
- Committees meet to outline proposed actions

**Dates TBD**
- Committees draft Action Plan sections
Mark Your Calendars

PFAS 101 WEBINAR

UPCOMING INTERAGENCY PFAS TASK FORCE MEETINGS

WEDNESDAY, AUGUST 7
1:30 PM – 3:00 PM ONLINE

WEDNESDAY, AUGUST 28
1:30 PM – 3:00 PM
LOCATION TBD

WEDNESDAY, SEPTEMBER 18
1:30 PM – 3:00 PM
LOCATION TBD
Questions/Open Discussion