

An Overview of the CTDEEP & CTDPH PFAS Task Force

Presented to:

Environmental and Regulatory Challenges Association Energy and Environment Council

Presented by:

GZA GeoEnvironmental Inc.

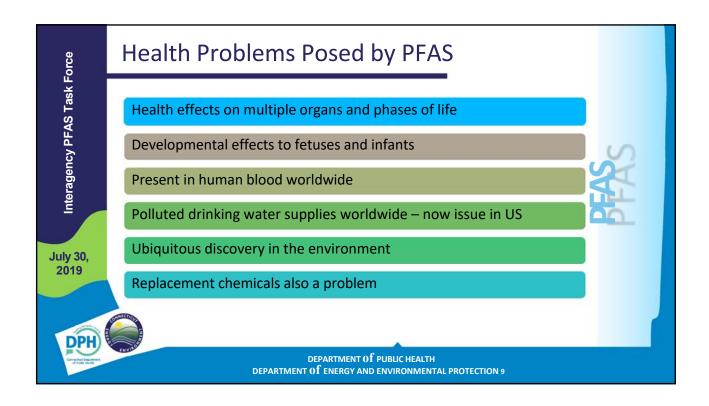
August 16, 2019

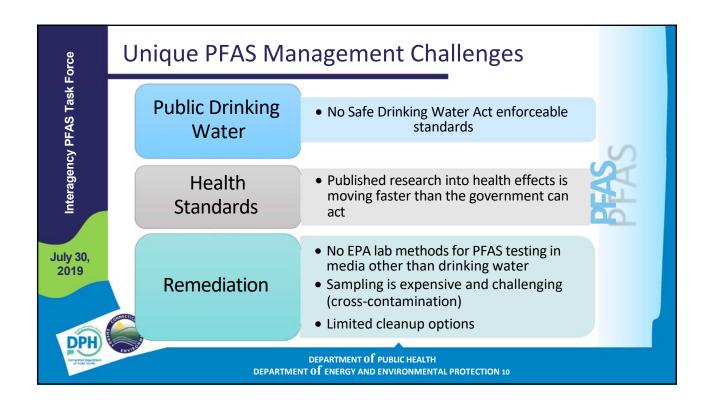


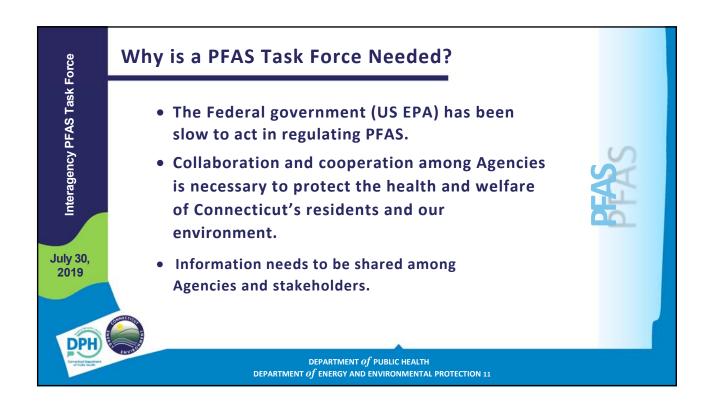
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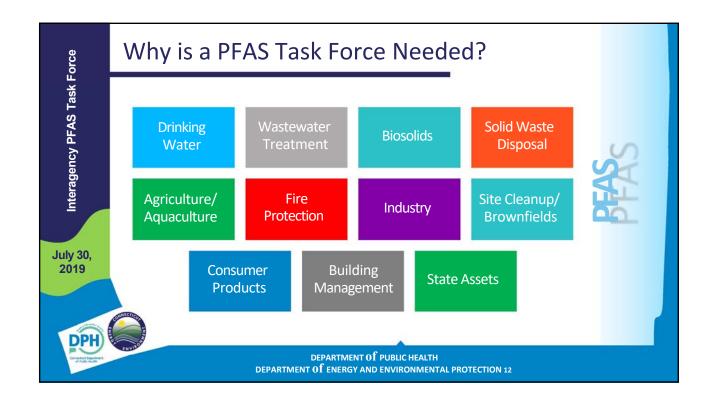
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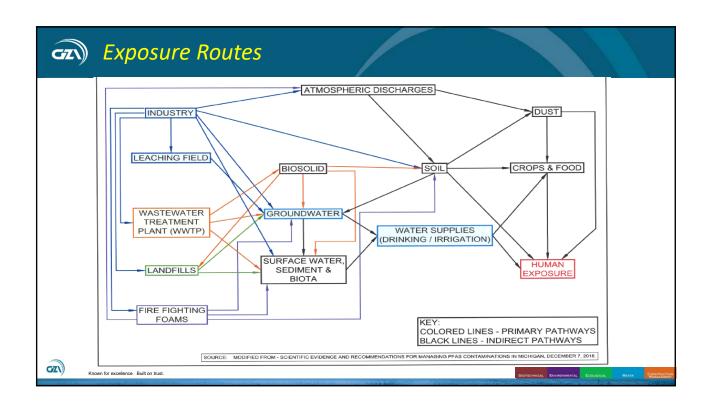
Evolution of PFAS Knowledge in CT Interagency PFAS Task Force - EPA-mandated - DPH requires testing at proposed public wells testing of large - Contamination - DEEP samples near MIRA landfills public drinking in Westchester - AFFF release at Bradley Airport hangar - DESPP and DEEP issue AFFF Use Bulletin water systems County, NY 2013-2015 2017 2019 2016 2018 - EPA Health Advisory - Testing & public outreach in Greenwich and CT DPH Drinking - Windham fire training area tested **July 30**, - DPH requires land use risk assessments by 80 PWS Water Action Level 2019 - EPA testing at two - DESPP and DEEP form committee to select Superfund sites alternative to AFFF DEPARTMENT of Public Health DEPARTMENT of energy and environmental protection 14

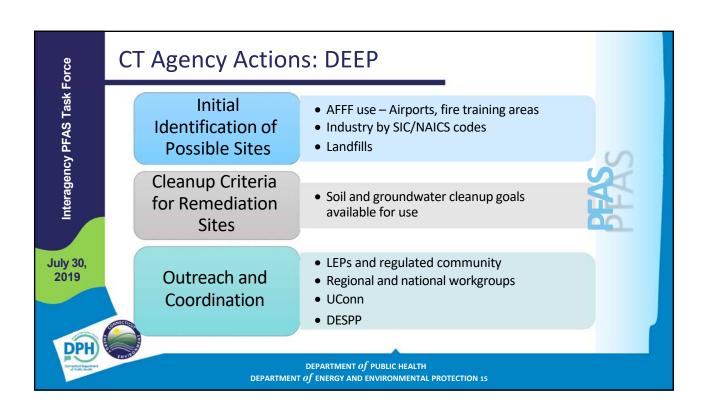


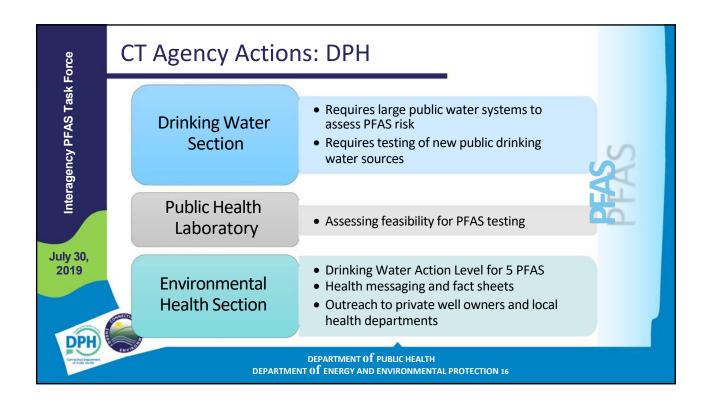


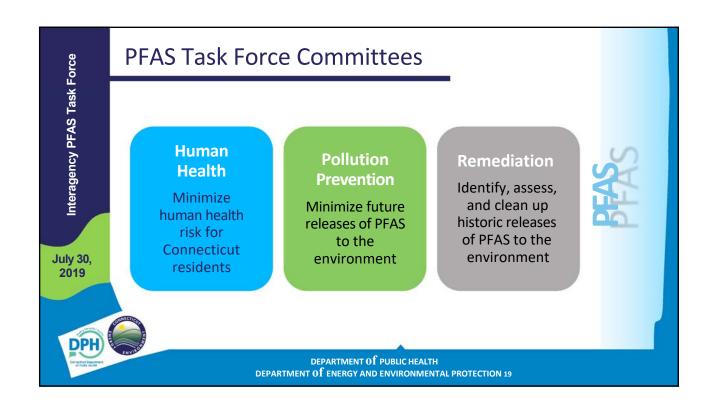














July 30,

2019

Pollution Prevention Committee

Minimize future releases of PFAS to the environment

- Agency lead: DEEP Peter Zack
- Date of first meeting: August 14, 2019
- 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



DEPARTMENT OF PUBLIC HEALTH DEPARTMENT Of ENERGY AND ENVIRONMENTAL PROTECTION 21



Pollution Prevention Committee - August 14, 2019

AFFF - Fire Fighting Foams

- Fire Marshall office has conducted survey on inventory (300 department/120 responses)
 - 27,000 gallons of AFFF concentrate (15,000 at hangers, 8,000 state trailers, 4,000 local
- Discussion on Take-Back program
 - · Cost is an issues and will be evaluating MADEEP program
- Fire Marshall meeting manufacture to evaluate alternative UL approved foams
- Discussed notification as when foams are used in order to evaluate how best to address release
- Discussed need to develop best management plans

Education Outreach

- Identify areas with outreach/education may be required (Metal platers, car washes, WWTP)
 - Discussion on the process of WWTP which are not designed to treat other materials beyond sewage
 - Biosolids in CT are incinerated; however, may not reach temperature to fully destroy PFAS
 - · No EPA methods for air compliance

Consumer Product

- Discussion on how to deal with PFAS in consumer product
- Fluoro Council provided discussion on different forms of PFAS

Legislation - need for potential bill regarding PFAS

Communication - needs to be improved

- State to Municipalities then to residences also by POTW
- · Reporting to DEEP spills not manned 24/7, whereas, DPH is



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Action Plan Exampl	e		
Washington State — Interim Chemical A Table of Contents Executive Summary Interim Chemical Action Plan Introduction. New PFAS Restrictions. PFAS in Food Packaging. PFAS in Food Packaging. PFAS in Food Packaging. PFAS in Distinct Genome. Exposure and Herith Concerns. Exposure. PFAS in Distinct Genome PFAS Contamination. PFAS in FFE. Interim CAP Recommended Actions. 1 Ensure derinking water is safe 1.1 Support internaking for state derinking water standards. 1.2 Test derinking water wells. 1.3 Implement methods for ordone PFAS in definking water. 2.2 Manage environmental PFAS contamination. 2.1 Develop PFAS Contamination. 2.1 Develop PFAS Contamination. 3.1 Implement EPAS in definition water development of the production of	Page — 1 3 3 3 5 5 5 5 5 5 6 6 6 6 6 6 6 7 7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For Per- and Polyfluorinated Table of Content Supplemental Information Types of FFA.5 Median. Sources of FFA.5 Refease. FFA.5 Mediangs - Environment. FFA.5 Mediangs - Place 1. Dark CAP findings. Flaue 1. Dark CAP findings. Flaue 2. Publish Interin CAP recommendations. Flaue 3. Path of the Final FFA.5 CAP. References. List of Tables Table 1. FFA.5 CAP advisory committee. Table 1. Summary of Flaue 2. CAP Activities. Table 3. Summary of Flaue 2. CAP Activities. Table 4. Summary of Flaue 2. CAP Activities. Table 5. Summary of Flaue 2. CAP Activities. Table 6. Figure 8. Figure 1. How a release of AFTF four gots into groundwater. Figure 7. The U.S. Air Force fine/fluoring and certains on annex finaling. Figure 7. The U.S. Air Force fine/fluoring and certains contained by FFA.5. Figure 4. A. U.S. Air Force fine/fluoring and certains contained by FFA.5. Figure 4. A. U.S. Air Force fine/fluoring and certains contained by FFAS. Figure 4. A. U.S. Air Force fine/fluoring and certain four and certain fluoring and certain four and certain fluoring and certain flu	22 23 24 25 26 26 26 26 26 26 27 28 25 26 26 27 28 27 28 20 30 30 30 30 30 30 30 30 30 30 30 30 30
4. I Identify sources of PFAS exposures and releases 4.2 Ensure firefighting personal protective equipment notifications 4.3 Conduct alternative assessments Benefits of Implementing the Recommendations Publication 18-04-005		Publication 18:04:005	January 2019
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