The webinar will begin shortly.

Draft PFAS Chemical Action Plan

Public Comment Webinar

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Draft PFAS Chemical Action Plan
Public Comment Webinar

Thursday, November 12, 2020 - 2:00 p.m.
Wednesday, November 18, 2020 - 6:00 p.m.
Thursday, November 19, 2020 - 2:00 p.m.
Today’s webinar

1. How to participate today
2. Staff introductions
3. Why a Chemical Action Plan for PFAS?
4. CAP Recommendations
5. Public Comment
   This portion of the webinar is recorded
6. Contact Information
“Call Me” or “Call Using Computer”

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• Reminder: Public comments are recorded
How to Use WebEx

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Please note that we will not be accepting questions during this webinar.
Introductions

Agency Staff

Ecology (HWTR)
- Irina Makarow, Chemical Action Planner
- Maria Blackshear & Megan Smith, webinar coordination
- Lauren Tamboer, Communications Consultant
- Kimberly Goetz, Legislative Liaison/Moderator

Health
- Barbara Morrissey, Toxicologist
Chemical Action Plan for Per- and Polyfluoralkyl Substances (PFAS)
Why PFAS?

- Used in many everyday products
- Persist in the environment
- Nearly everyone is likely exposed to PFAS
- Harmful effects
- Replacement products not well understood
- Complex response
Chemical Action Plans
WAC 173-333-340

Why a Chemical Action Plan?

Persistent, Bioaccumulative Toxics (PBT) Rule
- WAC 173-333
- Perfluorooctane sulfonates (PFOS) and its related acids and salts: group of chemicals identified as PBT

A Chemical Action Plan (CAP):
“...identifies, characterizes, and evaluates... uses and releases of Persistent Bioaccumulative Toxic chemicals... and recommends actions to protect... human health or the environment.”
- Ecology and Department of Health partner to prepare CAPs
Advisory Committee
WAC 173-333-430

- Represents stakeholders
- Provides input and expertise
- Consultative process
- Public Committee meetings

Current members for PFAS CAP:

- Agency for Toxic Substances and Disease Registry
- American Chemistry Council
- Association of Washington Business
- City of Issaquah
- Clean Production Action
- Green Science Policy Institute
- Institute of Neurotoxicology & Neurological Disorders
- Island County Public Health
- King County Department of Natural Resources and Parks
- Washington State Patrol, Fire Training Academy
- Naval Facilities Engineering Command Northwest
- Outdoor Industry Association
- Port Gamble S'Klallam Tribe
- Port of Seattle Aviation
- Port of Seattle Fire Department
- Toxic-Free Future
- University of Washington
- Whidbey Island Water Systems Association
- Whitman College
- Zero Waste Washington
2016: Collected information

2017 – 18: Worked with Advisory Committee members

September 2018: Published the Interim CAP

May 2019: Preliminary Recommendations & “chapters”

June 2019: Advisory Committee Comments

Summer 2020: Prepared Draft CAP

October 7, 2020 to January 4, 2021 Public Comment Period

January through Spring 2021: Comment review & Final CAP

We are here
Public Comment
WAC 173-333-430(6)

Public Comment Requirements

Methods of notice:
• WSR notice October 7, 2020.
• Ecology website
• Notice to interested persons via mailing lists
• Contacting interested organizations

Public Comment Period - Extended
• Closes January 4, 2021
• E-comment, mail-in

Conduct public comment webinars:
• November 12, 18 and 19, 2020
• Registration via PFAS CAP EZ view page
Today’s Focus

- Development of the CAP => evolution of our knowledge
- Legislation, rulemaking, implementation:
  - Safer Products for Washington
    - RCW 70A.350
  - PFAS in Food Packaging
    - RCW 70A.222
  - Firefighting Agents
    - RCW 70A.400
  - SBOH Drinking Water Rulemaking
    - WAC 246-290
- Today’s focus: Draft PFAS CAP
Draft PFAS CAP Overview
Draft CAP for Public Comment

- Draft CAP
- App 1: Chemistry
- App 2: Analytical methods
- App 3: Sources and uses
- App 4: Fate and transport
- App 5: Ecotoxicology
- App 6: Occurrence
- App 7: Health
- App 8: Biosolids
- App 9: Regulations
- App 10: Economic analysis
Draft PFAS CAP Recommendations

1. Ensure safe drinking water
   1.1 Fund drinking water mitigation
   1.2 Investigate and mitigate contamination
   1.3 Support biomonitoring

2. Manage environmental contamination
   2.1 Establish cleanup levels
   2.2 Partner with locals on outreach
   2.3 Prevent new releases

3. Reduce PFAS in products
   3.1 Prevent exposure from carpet
   3.2 Identify priority products
   3.3 Reduction actions

4. Evaluate waste management
   4.1 Wastewater treatment plants
   4.2 Landfills
   4.3 Biosolids
1. Ensure safe drinking water

1.1 Funding for drinking water mitigation
- Work across agencies to find mitigation funding
- Responsible parties identified, reimburse costs

1.2 Technical support, site investigation and mitigation
- Ecology collaborates to understand contamination
- DOH provides drinking water mitigation assistance
- Ecology targets Safe Drinking Water Action Grants
- Ecology investigates surface and groundwater
- “Fingerprinting” chemical identities

1.3 Support biomonitoring
- Support subsidized biomonitoring
- Participation in epidemiological studies
2. Manage environmental contamination

2.1 Establish clean-up levels for soil and groundwater
- Develop PFOS/PFOA cleanup levels based on Health’s drinking water standards
- Explore methods for investigation and clean-up
- Provide information to interested parties

2.2 Partner with Local Organizations
- Identify and distribute funding to local health departments and local organizations

2.3 Prevent AFFF and manufacturing process releases
- Work proactively to eliminate releases
- AFFF: develop best management practices for containment, disposal/replacement
- Industry: identify use, opportunities for replacement, proper waste management
3. Reduce PFAS in products

3.1 Carpet, upholstery, after-market treatments
- Continue work under Safer Products for Washington
- Purchasing policy for PFAS free products, swap-out

3.2 Consider other sources in 2nd Safer Products cycle
- Engage with overburdened communities
- Assess availability/feasibility of safer alternatives

3.3 Implement other reduction actions
- Propose restrictions under Chapter 70.365 RCW
- Gather information/reduce exposures for overburdened communities
- State purchasing preference for PFAS-free textiles, furniture, paints
- Propose ban on import/sale of phased-out long-chain PFAS
4. Evaluate waste management

4.1 PFAS in waste water treatment
- Study discharges to WWTPs
- Consider additional industrial monitoring requirements

4.2 Sample landfill leachate
- Study to sample landfills and identify contributing waste streams
- Consider monitoring for PFAS in leachate

4.3 Evaluate biosolids management
- Accredit laboratories/use EPA validated analysis methods
- Investigate land application sites, get biosolids data
- Evaluate realistic exposure pathway and risk models
Do you have questions about the CAP?

Contact Irina Makarow....

By phone: 360-407-6250

By e-mail: irina.makarow@ecy.wa.gov
Public Comment

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Public Comment Methods

Comment webinars - COMPLETED
- Thursday November 12, 2020 - 2 PM
- Wednesday November 18, 2020 - 6 PM
- Thursday November 19, 2020 - 2 PM

In writing - EXTENDED
- E-Comment – by January 4, 2021
- E-mail – by January 4, 2021
- By Mail – postmarked no later than January 4, 2021


Or contact Irina Makarow:
- 360-407-6250
- irina.makarow@ecy.wa.gov
Next Steps

Issuing the Final CAP

October – December 2020
- Receive Comments
  - Conduct comment webinars
  - Receive comments

January – March 2021
- Prepare Final CAP
  - Review comments
  - Additional analysis if necessary
  - Prepare response to comments
  - Engage with Advisory Committee
  - Prepare Final CAP

Spring 2021
- Issue Final CAP
PFAS CAP Contacts

Irina Makarow, CAP lead

• 360-407-6250
• irina.makarow@ecy.wa.gov

PFAS CAP website
https://www.ezview.wa.gov/?alias=1962&pageid=37105

PFAS CAP email list

Agency Web Pages

• Ecology: https://ecology.wa.gov/PFAS
• DOH:
  https://www.doh.wa.gov/CommunityandEnvironment/Contaminants/PFAS
Thank you for your time!