# Per- and Poly-fluorinated Alkyl Substances Chemical Action Plan Webinar

May 15, 2019

Review of CAP recommendations and Food packaging alternatives assessment





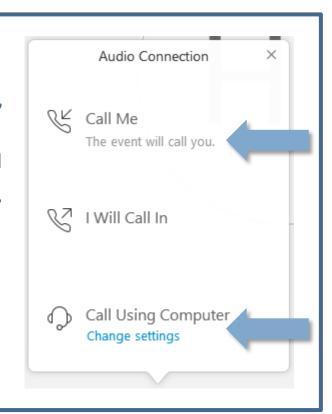
### PFAS CAP Webinar

The purpose of this webinar is to share updates and ask for comments on the preliminary CAP recommendations and food packaging alternatives assessment.

Start time: 9:00 am (PDT)

Finish time: Noon (PDT)

Please choose "Call Me" or "Call Using Computer"
This helps us identify you during our Q&A sessions.
All lines are muted.
All questions should be typed into the Q&A or Chat box.



Find these slides online:

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





# Webinar Agenda

9:00 Intro and CAP summary

9:15 Agency PFAS efforts

9:45 Chapter Q&A

10:00 Recommendations Q&A

10:50 CAP next steps

11:00 Food packaging







# Chemical Action Plan



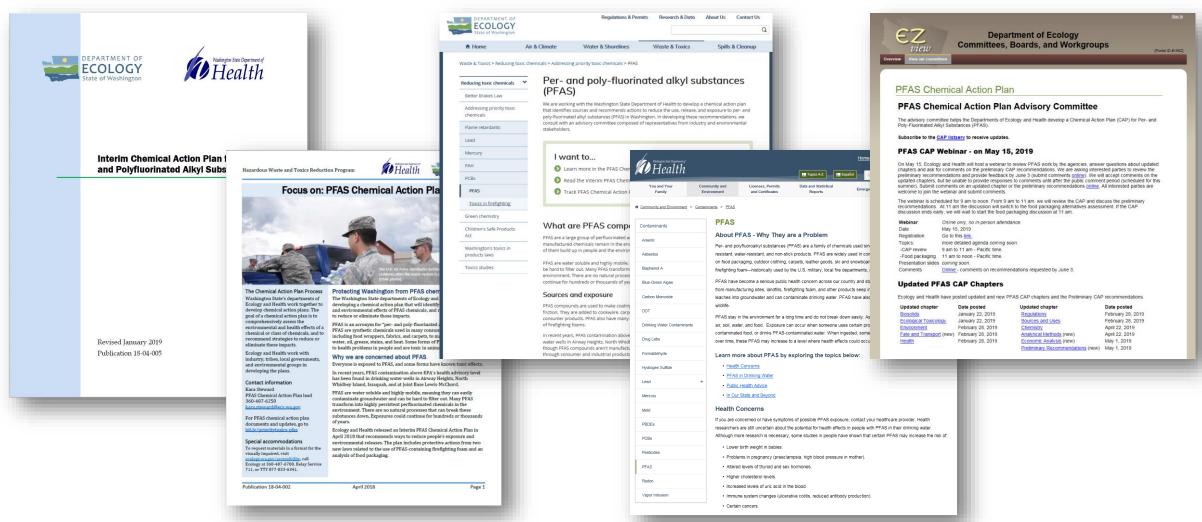
### **Chemical Action Plans**







## **PFAS** Resources and Information







## Links for the previous slide

- Interim PFAS CAP (2018):
  - https://fortress.wa.gov/ecy/publications/summarypages/1804005.html
- Interim PFAS CAP focus sheet (2018):
  - https://fortress.wa.gov/ecy/publications/SummaryPages/1804002
- Ecology PFAS page: <a href="https://ecology.wa.gov/PFAS">https://ecology.wa.gov/PFAS</a>
- DOH PFAS page:
  - https://www.doh.wa.gov/CommunityandEnvironment/Contaminants/PFAS
- PFAS CAP website: <a href="https://www.ezview.wa.gov/?alias=1962&pageid=37105">https://www.ezview.wa.gov/?alias=1962&pageid=37105</a>





## Where we are in the PFAS CAP process



PFAS CAP website: <a href="https://www.ezview.wa.gov/?alias=1962&pageid=37105">https://www.ezview.wa.gov/?alias=1962&pageid=37105</a>

E-Comments: <a href="http://wt.ecology.commentinput.com/?id=x2ChA">http://wt.ecology.commentinput.com/?id=x2ChA</a>







# Agency PFAS efforts



### DOH

 Drinking water standards for PFAS WAC 246-290
 State Board of Health Rulemaking 2018-2020

Expanded risk-based testing of drinking water

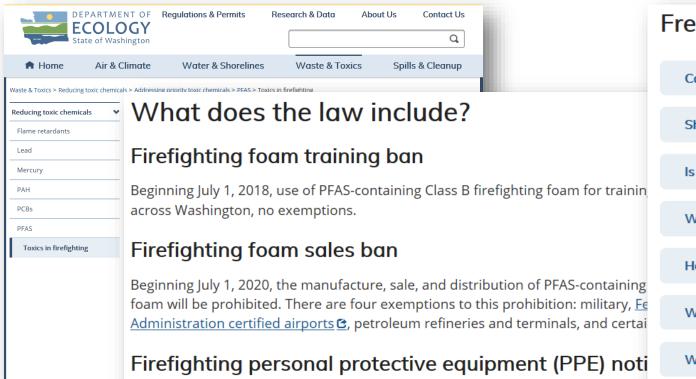


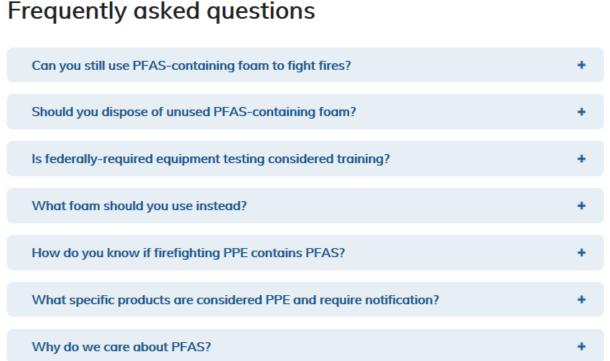
Photo credit:: Aliton, C. HDR, The ABCs of PFCs in Water Supplies



## Firefighting foam

### Chapter 70.75A Revised Code of Washington





Beginning July 1, 2018, manufacturers and sellers of PFAS-containing firefighting PPE must notify purchasers in writing if the equipment contains PFAS and the reasons for using the chemicals. The manufacturer, seller, and purchaser must keep the notice on file for at least three years, and provide it to Ecology if requested.



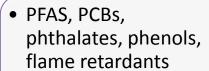


## Substitute Senate Bill 5135

Stakeholder process, legislative reports, repeating on a five-year cycle.

Transparent based on scientific evidence.

Request manufacturer information.



 Defined in the law Report June 2024

**Priority Chemicals** 

#### Priority Consumer Products

- Significant source of exposure to sensitive populations and species
- Report June 2020

•Reduce exposure to sensitive populations and species, identify safer alternatives

• Report June 2022

**Regulatory Actions** 



#### Rulemaking

- Require notification or restrictions of chemicals in products
- Adopt June 2023



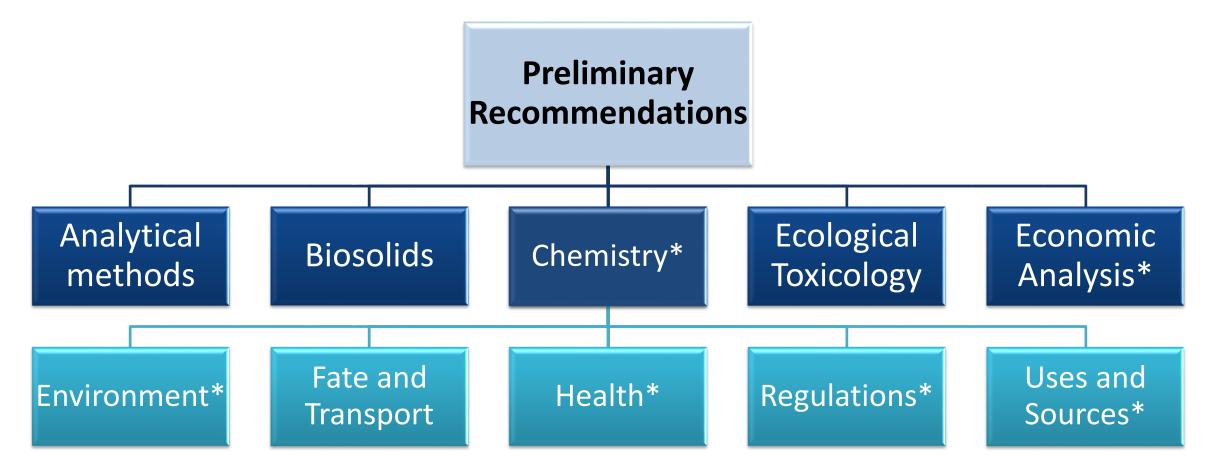




# Chapter questions



## Chapter Questions









# Preliminary Recommendations



## **Preliminary Recommendations**

https://www.ezview.wa.gov/Portals/ 1962/Documents/PFAS/PrelimRecommendations-2019-PFAS-CAP.pdf



### Ensure safe drinking water



Manage environmental contamination



Reduce PFAS in products



Understand and manage PFAS in waste





# Ensure safe drinking water

Cost notation: \$ < \$100,000 \$\$ < \$1 million \$\$\$ > \$1 million

# Identify funding for drinking water mitigation

- Support for water systems.
- Use existing funds where possible.
- Explore supplementary funding as necessary.
- \$\$\$

Assist with local investigations, mitigation options

- Provide expert advice on evolving mitigation options.
- Assist with site and source investigations.
- Remedial action grants
- \$\$

Seek funding for PFAS biomonitoring and health research

- National Exposure and Health studies (ATSDR).
- Use new data to revise public health advice and actions
- \$\$





### Cost notation: \$ < \$100,000 \$\$ < \$1 million \$\$\$ > \$1 million

### Environmental contamination

# Establish soil and groundwater cleanup levels

- Develop cleanup levels
- Based on DOH drinking water rule
- EPA designate as hazardous substance

• \$

# Partner with local organizations on outreach

- Address health equity
- Community engagement
- Remove barriers to public participation
- \$\$

# Prevent new PFAS releases

- Class B PFAS foam containment, collection, disposal
- Replace with PFASfree Class B foam
- Manufacturing use of PFAS
- \$\$





## Reduce PFAS in products

Cost notation: \$ < \$100,000 \$\$ < \$1 million \$\$\$ > \$1 million

# Reduce exposure from carpet/care products

- Fill information gaps
- Request manufacturer information
- Propose restrictions
- PFAS-free state purchasing preference
- SSB5135 (\$\$)

# Identify priority consumer products

- Prioritize products
- Request manufacturer information
- Test products
- Conduct alternatives assessments
- SSB5135 (\$\$)

# Implement reduction actions

- Regulatory actions
- Protect vulnerable populations
- PFAS-free state purchasing
- Adopt notifications and restrictions in rule
- SSB5135 (\$\$\$)





### Understand PFAS in waste

Cost notation: \$ < \$100,000 \$\$ < \$1 million \$\$\$ > \$1 million

#### Wastewater treatment

- Investigate PFAS in WWTP
- Compare removal with different WWTP technologies
- Consider PFAS monitoring; EPA methods and criteria
- \$\$

#### Landfills

- Conduct sampling of leachate and air emissions
- Consider monitoring of landfill leachate
- Consider leachate discharges to WWTP
- \$

#### Biosolids

- Need accredited analytical methods
- Establish sample collection methods
- Collect biosolids and soils from land application sites
- Evaluate risk using realistic exposure pathways
- \$\$







# CAP next steps



### From here to Final PFAS CAP

Submit comments on recommendations

Attend this Advisory Committee meeting

CAP Webinar May 2019 CAP
Comments
June 3<sup>rd</sup>

Draft PFAS CAP July 2019 Public comment period Aug/Sep 2019

Advisory Committee Fall 2019 FINAL PFAS CAP Winter 2020

http://wt.ecology.commentinput.com/?id=x2ChA





Attend a public meeting Submit comments

### CAP contacts and links

Kara Steward: 360.407.6250 or <a href="mailto:kara.steward@ecy.wa.gov">kara.steward@ecy.wa.gov</a>

PFAS CAP Website:

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

Comments on recommendations are **due June 3**: <a href="http://wt.ecology.commentinput.com/?id=x2ChA">http://wt.ecology.commentinput.com/?id=x2ChA</a>





# Food Packaging -Starts promptly at 11 a.m.-