PRIORITIZATION OF TOXICS IN THE COLUMBIA RIVER BASIN

OCTOBER 10, 2019 UPDATE AND DISCUSSION

2007 Ranking of Toxics - Columbia River Basin

Tier I (highest priority)	Tier II	Tier III
• DDT (and metabolites) • PCBs • Mercury (including methylmercury) • PBDEs	• PAHs • Arsenic • Dioxins/furans • Lead • Organophospate Insecticides (azinphos methyl, chlorpyrifos, diazinon) • Copper • Estrogenic compounds (Bisphenol A, AHTN, natural and synthetic estrogens, Nonylphenol)	• Organochlorines (including alpha BHC, aldrin, dieldrin, chlordane) • Trace elements • Current use pesticides (including carbamates, triazine herbicides, fipronil) • Pharmaceuticals and Personal Care Products • Other wastewater compounds (plasticizers, detergents, surfactants) • Hormones • Synthetic pyrethroids • Phthalates

Subgroup Discussion Questions:

Do we need to revisit this list? What would be the benefit?

If there is interest in revisiting the list…

- **What contaminants would you add or remove?**
- **How would a new list impact work in the Basin?**
- **What are helpful conceptual frameworks for the updated list?**

Source: https://www.epa.gov/columbiariver/prioritization-toxics-columbia-river#documents

BENEFITS OF UPDATING THE COC LIST

Purpose: An updated Contaminants of Concern (COC) list is intended to help The Columbia River Basin Toxics Reduction Working Group guide collaboration and implementation of toxics reduction efforts across the basin.

Benefits:

- Help identify data gaps that need to be filled to understand magnitude of toxics
- Provide broader buy-in across the basin, including Montana, Tribes, and others
- More accurately reflect the current state of knowledge on toxics in the Columbia River Basin

Potential Impacts to Work in the Basin:

- Identify short- and longer-term toxics remediation objectives
- Drive priority monitoring
- Inform local restoration, remediation and/or prevention priorities

FEEDBACK DISCUSSION

- How would you use an updated list of prioritized toxics?

- What impact could an updated list have on work in the Basin?

CONCEPTUAL FRAMEWORKS TO CONSIDER

Sources	Legacy COC	Current COC	Emerging COC
Agriculture			
Forestry			
Mining			
Urban/Stormwater			
WWTPs (WRRFs)			
Industrial use			

REFERENCE MATERIALS TO CONSIDER

	Action					
Sources	Keep sediment in place	Reduce impacts run-off or discharges	Chemical Source Reduction	Clean-up contamination		
Agriculture	DDT		DDT			
Forestry						

REFERENCE MATERIALS TO CONSIDER

Prioritization Factors [Refer to Prioritization of Toxics in the Columbia River spreadsheet for 2007 factors in ranking and criteria]	1. Is it recognized as an existing problem? 2. Is it an ecological threat, a human health threat, or both? 3. Is there an implementation plan/reduction strategy in place?

FEEDBACK DISCUSSION

- What comments do you have about the grouping of legacy, current use and emerging COCs?

- Thoughts on how to connect the list to actions and prioritization factors?

NEXT STEPS

- October 10: Solicit feedback from broader working group.
- October 28: Meeting #3 - Incorporate feedback from the October 10th Working Group meeting. Discuss the prioritization criteria and supplemental action narrative.
- By November 14: Meeting #4 - Finalize prioritization criteria and structure of supplemental action narrative.
- By December 14: Meeting #5 - Develop draft CoC prioritization, criteria, and supplemental action narrative.
- December 2019 [TBD]: Get feedback from broader working group.
- January 2020 [TBD]: Release final CoC list, criteria, and supplemental narrative on actions. Confirm leads for any supplemental materials to be developed or updated.

THANKS FOR YOUR TIME AND ENGAGEMENT!

WE WELCOME YOUR FEEDBACK:

Jennifer Morace, COC Subgroup Co-lead, USGS, jlmorace@usgs.gov

Ashley Zanolli, COC Subgroup Co-lead, US EPA, zanolli.ashley@epa.gov

David Gruen, COC Subgroup Support, ORISE Fellow, gruen.david@epa.gov