



Wildfire Threats to Forested Drinking Water Supplies

Recent advances & opportunities in understanding & management



October 3, 2023

North Bend, Washington | Cedar River Watershed Education Center

The goal of the WRF-*forWater* workshop 2023 is to provide researchers and decision makers with a state-of-the-science assessment of knowledge and practice on the characterization of wildfire impacts on water supplies, treatment, and distribution. Strategies for proactive and reactive watershed management and increased treatment preparedness will be discussed.

Cedar River Watershed Education Center – 17905 Cedar Falls Rd SE, North Bend, WA

OCTOBER
03

7:45AM Breakfast & refreshments

8:30AM Welcome & Introduction to the workshop

Kenan Ozekin – Research Unit Leader, Water Research Foundation,
Monica Emelko – Professor & Canada Research Chair, *forWater*, University of Waterloo,
Amy LaBarge – Watershed Management Division Director, Seattle Public Utilities

8:40AM Too hot to handle: Changing watershed impacts & land management responses when wildfires become unruly
Chuck Rhoades – Research Biogeochemist, US Forest Service, Rocky Mountain Research Station

9:20AM Proactive & reactive management of wildfire threats to drinking water: Putting it all together
Monica Emelko – Professor & CRC, *forWater*, University of Waterloo

10:00AM Break

10:30AM Utility panel discussion

Mac Gifford – Portland Water Bureau, **Wendy Krkošek** – Halifax Water, **Antoine Rempp** – Regional Municipality of Wood Buffalo, **Norma Ruecker** – The City of Calgary, **Todd Schram** – Sonoma County Water Agency

12:00PM Lunch

1:00PM Proactive forest management for mitigating wildfire effects on water quality?
Uldis Silins – Professor, *forWater*, University of Alberta

1:30PM Key landscape features and their role in mitigating or exacerbating wildfire effects on water
Mike Stone – Professor, *forWater*, University of Waterloo

2:00PM Characterization of carbon mobilized after fires
Fernando L. Rosario-Ortiz – Professor, University of Colorado-Boulder

2:30PM Discussion

2:45PM Break

3:15PM Optimizing responsiveness of conventional water treatment processes to wildfire
Amanda Hohner – Assistant Professor, Montana State University

3:45PM Identifying needs & opportunities for advanced treatment of wildfire-impacted water
Tanju Karanfil – Professor, Clemson University

4:15PM Fire in urban & peri-urban areas: What are the added threats?
Andrew J. Whelton – Professor, Purdue University

4:45PM Discussion - 5:15PM Adjournment

