

Wednesday Cont'd

**TECHNICAL SESSION - Air Quality**

*Moderator - Zach Emerson, NCASI*

Update on the Oregon Air Program

*Ali Mirzakhali, Oregon Department of Environmental Quality*

Update on the Washington Air Program

*Washington State Department of Ecology*

**LUNCH**

**12:00 PM - 1:30 PM**

**Heritage BEF Ballrooms**

Federal Update and NCASI Air Program Activities

*Vipin Varma, NCASI*

Recent Experiences with Air Permitting in the Northwest

*Trinity Consultants*

Preparing for the Possibility of a Lower PM<sub>2.5</sub> NAAQS

*Amy Marshall, All4 Inc.*

**BREAK**

**EXHIBITS OPEN**

**3:00 PM - 3:30 PM**

Advances in Particulate Matter Measurement Improve Sensitivity and Reduce Precursor Bias

*David Elam, TRC*

Implementation of Secondary Ozone Screening Thresholds for Forest Products Facilities

*Zach Emerson, NCASI*

**TECHNICAL SESSION**

**Forest Watersheds and Wildlife**

**Forest Carbon in the Pacific Northwest**

*Moderator - Steve Prisley, NCASI*

Forest Carbon in Oregon and Washington

*Glenn Christensen, USDA Forest Service*

Using FIA-TPO Mill Survey Data to Support Carbon Inventories in the Pacific States

*Todd Morgan, University of Montana*

Modeling Carbon Futures

*Greg Latta, University of Idaho*

**BREAK**

**EXHIBITS OPEN**

**10:00 AM - 10:30**

**Climate Change: Natural Variability, Extreme Events, and Implications for Forest Management**

*Moderator - Ashley Coble, NCASI*

Climate-Smart Forest Management for Fish and Wildlife

*Dede Olson, USDA Forest Service*

Recovery of Fish Populations and Physical Channel Characteristics in Streams Impacted by Catastrophic Debris Flows

*Jason Walter, Weyerhaeuser*

Climate Change Impacts on Soil Available Water Supply

*Kim Littke, University of Washington*

**LUNCH**

**12:00 PM - 1:30 PM**

**Heritage EF Ballrooms and Discovery Foyer**

Distinguishing Natural versus Management-Related Factors Influencing Sediment Loading to Streams Draining Redwood Forests

*Patrick Belmont, Utah State University*

Relationships between Changing Flows and Climate in the Snoqualmie River Basin

*Lillian McGill, University of Washington*

Long-Term Effects of Forestry on Summer Baseflow at Mica Creek, Idaho

*Tim Link, University of Idaho*

Increased Runoff Ratios in Oregon Coast Range Catchments Affected by a Forest Disease Epidemic

*Kevin Bladon, Oregon State University*



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**September 23-25, 2019  
Vancouver, Washington**

[www.NCASI.org](http://www.NCASI.org)

**Hosted by:**

**NCASI's West Coast Regional Center**

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(541) 752-8801 (voice)

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## Monday, September 23

### REGISTRATION

11:00 AM - 4:30 PM  
Discovery Foyer

### WORKSHOP

1:00 PM - 4:30 PM  
Discovery BC Ballrooms

**Considerations for the Development of Facility AirToxics Emission Inventories** Zach Emerson and Derek Sain, NCASI

Topics include:

Air Toxics Inventories, Air Toxics Data Sources, Emission Factors and Statistical Considerations, Estimating Air Toxics Emissions from Emission Factors, Other Approaches to Estimate Air Toxics Emissions, Hands-on Example Calculations

\* Attendees are invited to bring laptops and/or calculators for use during hands-on example calculation demonstrations.

### FIRST TIME ATTENDEES NETWORKING RECEPTION

4:45 PM - 6:00 PM  
Heritage BEF Ballrooms

## Tuesday, September 24

### REGISTRATION

7:00 AM - 5:00 PM  
Discovery Foyer

### CONTINENTAL BREAKFAST

7:00 AM  
Heritage BEF Ballrooms

### GENERAL SESSION

Moderator - Roberto Artiga, WestRock

**Welcome and Introduction**

Paul Wiegand, NCASI and Roberto Artiga, WestRock

**Opening Remarks and Looking Ahead at NCASI**

Dirk Krouskop, NCASI

**AF&PA: Past, Present and Future**

Donna Harman, American Forest and Paper Association

**Update on Priorities at EPA Region 10**

Anthony Barber, US Environmental Protection Agency

### BREAK

### EXHIBITS OPEN

9:30 AM - 10:00 AM

**Life at the "Point of the Spear"**

Douglas Krapas, Inland Empire Paper Company

**Thirty-five Years Working with NCASI and the Pulp and Paper Industry: A Retrospective - We've Made Progress, Right?**

Paul Anderson, Arcadis

**Introduction to PFAS and State and Federal Regulatory Activity**

Giffe Johnson, NCASI

**Less Forest, More Wood: Environmental Aspects of WoodSupply Constraints**

Darren Miller and Jake Verschuyl, NCASI

### LUNCH

12:00 PM - 1:30 PM

Heritage BEF Ballrooms

### TECHNICAL SESSION - Water Quality

Moderator - Camille Flinders, NCASI

1:30 PM - 5:00 PM  
Discovery AB Ballrooms

**Water and Chemical Regulatory Developments and Other Issues of Regional Interest**

Paul Wiegand, NCASI

**Water Quality Protection Program Priorities in Oregon and Washington**

Melissa Gildersleeve, Washington State Dept of Ecology, and Justin Green, Oregon Department of Environmental Quality

**Planning and Compliance with Section 316(b) of the Clean Water Act in the Northwest** Nate Olken and Mike Rounds, Alden

### BREAK

### EXHIBITS OPEN

3:15 PM - 3:30 PM

## Tuesday Cont'd

**Willamette Basin Mercury TMDL: An Overview of Modeling and Analysis Methods**

Gene Foster,  
Oregon Department of Environmental Quality

**PFAS Sampling Guidance, Analytical Methods, and Matrices of Interest**

Giffe Johnson, NCASI

**Review of Metal and Metalloid AquaticLife Criteria**

Barry Malmberg and Brad Barnhart, NCASI

### TECHNICAL SESSION - Wood Products

Moderator- Rob Crawford, NCASI

1:30 PM - 5:30 PM  
Discovery C Ballrooms

**Plywood and Composite Wood Products Residual Risk and Technology Review**

John Bradfield and Katie Hanks,  
US Environmental Protection Agency

**Plywood and Composite Wood Products RTR Proposal: American Wood Council's First Take**

Tim Hunt, American Wood Council

**Air Toxics Air Dispersion Modeling Scenario for Wood Products Facilities**

Dan Dix, All4 Inc.

### BREAK

### EXHIBITS OPEN

3:00 PM - 3:30 PM

**Control Measures and System Management for Minimizing CODin Stormwater**

Ryan Janoch, Mapistry

**How to Tackle COD in Stormwater**

Ada Banasik, Maul Foster and Alongi and Jason Ziemer, Clear Creek Systems

**Air Permitting Challenges at Wood Products Facilities**

Andrea Missildine, Georgia-Pacific

**NCASI PM<sub>2.5</sub> Data for Air Permitting**

Rob Crawford, NCASI

### PFAS POSTER SESSION & OPEN RECEPTION

Moderator - Giffe Johnson, NCASI

5:00 PM - 7:30 PM  
Heritage BEF Ballrooms

## Wednesday, September 25

### REGISTRATION

7:00 AM - NOON  
Discovery Foyer

### CONTINENTAL BREAKFAST

7:15 AM  
Heritage EF Ballrooms and Discover Foyer East

### TECHNICAL SESSION

**Sustainable Manufacturing and Climate**

Moderator- Barry Malmberg, NCASI

8:00 AM - 10:00 AM  
Discovery AB Ballrooms

**Update on NCASI Sustainable Manufacturing and Climate Program**

Kirsten Vice, NCASI

**Update on Carbon Policy and Carbon Activity in the Northwest – Implications for the Forest Products Industry**

Barry Malmberg, NCASI

**Project Update: MIT - AF&PA Recovered Fiber Simulation Model**

Mark Pitts, American Forest and Paper Association

**Perspectives on Life Cycle Assessments Comparing Paper and Plastics Products**

Caroline Gaudreault, NCASI

### BREAK

### EXHIBITS OPEN

10:00 AM - 10:30 AM