

2016 WEST COAST REGIONAL MEETING

AIR EMISSION MEASUREMENT METHODS – ISSUES, LIMITATIONS, AND WATCHOUTS WORKSHOP

[An Overview of ASTM D7036: A Quality Management System for Emission Testing](#)

David Elam, TRC Environmental

[Air Emission Measurement Methods – Issues, Limitations, and Watchouts](#)

Zach Emerson and Ric Law, NCASI

[PM_{2.5} Measurement Methods and How to Adapt to Method Limitations](#)

Zach Emerson and Ric Law, NCASI

MANAGING CONTEMPORARY OPERATIONAL ISSUES AT WASTEWATER TREATMENT SYSTEMS WORKSHOP

[Recent NCASI Wastewater Treatment Plant Activities](#)

Jim Palumbo and Phil Pagoria, NCASI

[New Approaches for Estimating Necessary Aerated Stabilization Basin Design Volume](#)

Jim Palumbo, NCASI

[Guidance for Aerated Stabilization Basin Operation during Extended Mill Process Outages](#)

Phil Pagoria, NCASI

[Update on Efforts to Minimize Nutrient Discharges at Inland Empire Paper](#)

Doug Krapas, Inland Empire Paper

[Anaerobic Treatment of Pulping Effluents: Achieving Economic Feasibility -or- Why I Love My Job](#)

Henry (Hank) Beder, HB Consulting LLC

[Managing Wastewater Treatment Plants Impacts on Air Emissions](#)

Zach Emerson, NCASI

AIR QUALITY IMPROVEMENT AND BOILER MACT SESSION

[Air Quality – Regulatory Update and Focus Areas in this Session](#)

Vipin Varma, NCASI

Air Quality Topics of Regional Interest

[Washington State Update](#)

Jason Alberich, Washington State Department of Ecology

[An Interesting Year at the ‘Q](#)

George Davis, Oregon Department of Environmental Quality

[Ambient Air Modeling – Appendix W Revision Status, EPA Approvals of Beta Options, and Draft Guidance on SILs for Ozone and PM_{2.5}](#)

Anna Henolson, Trinity Consultants

[Case Studies on the Impact of Draft SIL Guidance for Permitting](#)

Abhishek Bhat, All4

[State Agency Permitting and Compliance Panel](#)

Chad Darby, Golder Associates

Aaron Day, Trinity Consultants

George Davis, Oregon Department of Environmental Quality

Gary Huitsing, Washington State Department of Ecology

[NCASI Emission Databases – Positioning Them for the Future](#)

Ilich Lama and Zach Emerson, NCASI

[Air Quality Technical Studies Update – Ongoing Projects in the 2016 Program](#)

Zach Emerson, NCASI

[Boiler Tune-up for Boiler MACT Compliance and Combustion Improvements](#)

Joseph Aletto, AECOM

[Boiler MACT Panel: Recent Developments](#)

Vipin Varma, NCAS

Nathan Pearson, WestRock

Wayne Wooster, KapStone Kraft Paper

Charleston Ramos, Packaging Corporation of America

FOREST WILDLIFE AND BIODIVERSITY SESSION

FOREST WILDLIFE AND BIODIVERSITY: CONSERVATION OF WILDLIFE AND BIODIVERSITY THROUGH CONTEMPORARY FOREST PRACTICES

[Silvicultural Herbicides and Forest Succession Affect Understory Biomass and Black-Tailed Deer Foraging Dynamics in Managed Forests](#)

Dr. Amy Ulappa, Washington State University

[Environmental DNA, Digital PCR, and Metabarcoding: New Molecular Tools in Fisheries and Wildlife Research](#)

Dr. Taal Levi, Oregon State University

[Martens in a Novel Habitat – The Importance of Prey and Habitat Structure](#)

Charlotte Eriksson, Oregon State University

[Investigating the Effects of Wildfire on Fishers and Other Mesocarnivores in Northern California and Southern Oregon](#)

Dr. David Green, Oregon State University

[Institutes, Coops, and Partnerships: Research in the OSU College of Forestry](#)
Dr. Anthony S. Davis, Oregon State University

[Predictors of Space Use and Reproductive Success in the Marbled Murrelet](#)
Dr. Jim Rivers, Oregon State University

[Experimental Removal of Barred Owls to Benefit Northern Spotted Owls: Status and Preliminary Results](#)
Dr. Dave Wiens, USGS Forest and Rangeland Ecosystem Science Center

[Exploring Nutritional Limitations in the Clearwater Elk Herd of Idaho: An Update](#)
Dr. John Cook, NCASI

[National Wildlife Research Center Black Bear Study](#)
Dr. Jimmy Taylor, USDA Animal and Plant Health Inspection Service

[Oregon Slender Salamander Occupancy in Managed Forests](#)
Dr. Andrew J. Kroll, Weyerhaeuser Company

[Characterizing Northern Goshawk \(*Accipiter gentilis laingi*\) Nesting Sites on Vancouver Island](#)
Molly Hudson, TimberWest

[The Ins and Outs of Population Ups and Downs](#)
Dr. Craig Loehle, NCASI

[Created Snag Dynamics and Influence on Cavity-Nesting Bird Communities over 25 Years in Western Oregon](#)
Amy Barry, Oregon State University

[Black-Backed Woodpecker Density in Green-Unburned Forests](#)
Dr. Jake Verschuyt, NCASI

GENERAL SESSION

[Welcome and Introduction](#)
Paul Wiegand, NCASI
Russell Strader, Boise Cascade

[President's Remarks](#)
Dirk Krouskop, NCASI

[Aggressive Water Quality Criteria – Implications for Industrial Dischargers](#)
Rich Garber and John Piotrowski, Packaging Corporation of America

[Perspectives about Acceptable Risk: Who are We Protecting and Did We Mean To?](#)
Dr. Paul Anderson, Arcadis

[Developments in Biomass Neutrality and Climate Change Policy](#)
Dr. Caroline Gaudreault, NCASI

Air Toxics Regulations in Oregon
Thomas Wood, Stoel Rives

Recognizing the Career Achievements of Steve Stratton
NCASI Staff

SUSTAINABILITY SESSION

[Trends in Sustainability Influencing how Forest Products are Viewed in the Marketplace](#)
Kirsten Vice, NCASI

[NCASI Input to Regional Greenhouse Gas Regulation Development](#)
Drs. Barry Malmberg and Brad Upton, NCASI

[Emerging Greenhouse Gas Regulations in Washington and Oregon](#)
Maren Seibold, Trinity Consultants

[Developments in Life Cycle Assessment \(LCA\) and Implications for Forest Products and Bioenergy](#)
Dr. Caroline Gaudreault, NCASI

[A New NCASI Strategic Tool for Beneficial Use](#)
Dr. Ilich Lama, NCASI

WATER QUALITY SESSION

[Water Regulatory Developments and Other Issues of Regional Interest](#)
Paul Wiegand, NCASI

Human Health Criteria Implementation and PCB Management
Kelly Susewind, Washington State Department of Ecology

[Stream Bioassessment in Washington: Where Science and Policy Intersect](#)
Chad Larson, Washington State Department of Ecology

[Water Quality Criteria Developments in the Northwest](#)
Michael Campbell, Stoel Rives

[Technical Issues around Copper Biotic Ligand Model Implementation](#)
Barry Malmberg, NCASI

[Bacteria Recreational Water Quality Criteria \(RWQC\) Update – Regulatory Issues and Resolutions](#)
Terry Bousquet, NCASI

[Study of Cooling Water Use at a Large Pulp and Paper Mill](#)
Roberto Artiga, KapStone Kraft Paper

[Summary of Literature on Mill Water Reduction and a Process for Targeting Opportunities](#)

Barry Malmberg, NCASI

WOOD PRODUCTS SESSION

[Plywood and Composite Wood Products Re-energized](#)

Timothy Hunt, American Wood Council

[Update on the Plywood \(PCWP\) Risk and Technology Review Information Collection Request \(ICR\)](#)

John Bradfield, US Environmental Protection Agency

[Preparing for the Panel and Composite Wood Products \(PCWP\) MACT Survey](#)

Amy Marshall, AECOM

[Panel and Composite Wood Products \(PCWP\) MACT for Composite Panels – Regenerative Thermal Oxidizer \(RTO\) Costs and Challenges](#)

John Bird, Arauco North America

[Site Specific Combined HAP Emission Factors including Presses, Dryer Fugitives, Lathe, and Glue Line Emitted from a Plywood Processing Building](#)

Allan Mick, Swanson Group Manufacturing

[Miscellaneous Wood Products Process Units – Emission Characteristics and Implications](#)

Rob Crawford, NCASI

[Emission Testing of an Indirect-Fired Batch Lumber Kiln with Conventional Roof Vents](#)

Ric Law, NCASI