

PNWIS 2023 – Final Conference Schedule

Tuesday, October 24, 2023				
	Deer Hall A	Billy Frank Jr. Hall		
1:00 – 5:00pm	PNWIS Board Meeting	Professional Development – Cumulative Risk and Cumulative Impacts		
Wednesday, October 25, 2023				
	Deer Hall A	Billy Frank Jr. Hall		
08:00 – 12:00	PNWIS Annual Mtg (9 AM – 11 AM)	Professional Development – Cumulative Risk and Cumulative Impacts		
1:00 – 1:45 pm	PNWIS 2023 Welcoming Ceremony and Opening Remarks: PNWIS 2023 Conference Chairs Chris Kitchen and Roylene Cunningham Keynote Speaker - Regional Administrator Casey Sixkiller, EPA Region 10 Deer Hall			
	Deer Hall A	Deer Hall B	Billy Frank Jr. Hall	Chief Chico Hall
Session 1	Emission Inventories and SEPA Review Chair: Lilyann Bauder (Landau)	Air Quality Program Challenges and Opportunities Chair: Mark Buford (Northwest CAA)	Environmental Management and Environmental Management Systems Chair: David Finley (Washington Ecology)	Noise and Vibration Monitoring and Analysis Chair: Kevin Warner (Landau)
2:00 – 3:30pm	EPA Proposed Air Emissions Reporting Requirements Maddie Coates* (Trinity) Andrea Shi* (Trinity) EPA Proposed Air Emissions Reporting Requirements Local Air Agency Perspective John Dawson (Puget Sound CAA) Latest Trends in State Environmental Policy Act Crispina O'Connor (ERM)	Presenters: Chrissy Cooley Puget Sound CAA Jeff Johnston Olympic Regional CAA Kathy Taylor Washington Ecology	Congratulations! You are a new Environmental Manager Jenelle Scott (Spring Environmental) Champagne Compliance on a Beer Budget - Document Management on the Cheap Jeremy Adams (Tacoma City Light) Integrated Wastewater Management Strategies for Industrial Facilities Jason Flowers (Geosyntec) The Many Facets of Environmental Management Nancy Meilahn Fowler	Presenters: Kevin Warner Landau Kristen Wallace Landau Adam Jenkins The Greenbusch Group
3:30 – 3:45 pm	Refreshments – Whale and Salmon Halls			

Session 2	Air Permitting Challenges Chair: Crystal Rau (Northwest CAA)	Summary and Discussion from Professional Development Program on Cumulative Impacts and Cumulative Risks Chair: Steve Van Slyke (Puget Sound CAA)	Innovative Solutions to Managing Waste Chair: John Haney (Haley & Aldrich)	Environmental Challenge
3:45 – 5:15pm	<p>Anaerobic Dairy Digester Permitting – Lessons Learned Robyn Jones* (Northwest CAA)</p> <p>Air Permitting Challenges for the Renewable Natural Gas Production Industry Ben Hubertus* (Trinity)</p> <p>Navigating Compliance and Permit Writing: A Cautionary Tale of PM Control Proposals at a Planer Mill Lauren Whybrew* (Olympic Regional CAA)</p> <p>Permitting the Use of Renewable Diesel Fuel for Backup Generators David Finley* (Washington Ecology)</p>	<p>Panelists: John Dawson Puget Sound CAA</p> <p>Morgan Schafer Oregon DEQ</p> <p>Liz Luecker Jacobs Engineering</p> <p>Maggie Corbin Puget Sound CAA</p> <p>Invited: Merlyn Hough (Retired Executive Director LRAPA)</p>	<p>On the Road with an Eastern Washington State Toxic Reductionist Huckleberry Palmer (Washington Ecology)</p> <p>Soil Vapor Extraction and Electric Resistance Heating Case Study Melissa McAfee (Puget Sound CAA) and MengChiu Lim (Washington Ecology)</p> <p>Source Assessment Tools for Determining Relative Petrogenic and Pyrogenic PAH Contributions to a Mixed Sediment Environment Jeff Pratt* (GeoEngineers)</p> <p>The Holden Mine: Innovative Cleanup Approach to Address Challenges and Leverage Opportunities John Zinza (Washington Ecology)</p>	Introduction for Students
5:30 – 7:00pm	Exhibitor's Reception – Whale and Salmon Halls			

Thursday, October 26

7:00 AM				
Polar Bear Plunge				
	Deer Hall A	Deer Hall B	Billy Frank Jr. Hall	Chief Chico Hall
Session 3	Modeling Chair: Jay McAlpine (EPA)	Climate Change/GHG Calculations Chair: David Finley (Washington Ecology)	Vapor Intrusion Assessment & Mitigation in the Pacific NW: Regulation & Implementation Updates Panel Discussion Chair: Paul Ecker (EES Environmental)	Environmental Challenge
8:30 – 10:00 am	<p>Revisiting PSD increment analysis - a review of rules, methods, and policies Jay McAlpine (EPA)</p> <p>A Closer Look at the Five NOx Chemistry Options in AERMOD: Case Study in Idaho Pao Baylon* (Ramboll)</p> <p>Modeling Fugitive Methane Emissions With Drones Jeff Leadford* (SCS Engineers)</p> <p>Dos and Don'ts of Data Center Modeling in Oregon Owen Rudloff* (Oregon DEQ)</p>	<p>Best Practices in Calculating Carbon Intensity for Complex Facilities Nancy Liang* (Trinity)</p> <p>Climate Commitment Act – A Discussion of Compliance Options Kyle Heitkamp (Landau)</p> <p>Mission Possible: How to Streamline Corporate Annual Greenhouse Gas Emissions Reporting for 6 Different Disclosure Programs including EPA Part 98, SEC, FAR, California SB253, EU CSRD, and CDP Annika Wallendahl (Geosyntec)</p>	<p align="center">Presenters:</p> <p align="center">Bonnie Brooks Washington Ecology</p> <p align="center">Franziska Landes* Oregon DEQ</p> <p align="center">Lisa Goode Geosyntec</p> <p align="center">Blayne Hartman Hartman Environmental Geoscience</p>	Presentations by Students
10:00 - 10:30 am	Refreshments – Whale and Salmon Halls			

Session 4	Source Testing (Air) Chair: Carl Slimp (Puget Sound CAA)	CCA/GHG Reporting Chair: Kyle Heitkamp (Landau)	PFAS and Emerging Chemicals Chair: Jeromy Adams (City of Tacoma)	Environmental Challenge
10:30 – noon	<p>Air Curtain Incinerator Emission Testing: A Case Study in Source Testing Solutions Kristina Schafer (Montrose)</p> <p>FTIR Emission Testing: Pitfalls and Best Practices Daniel Soderberg (Soderberg Polytechnic)</p> <p>An Agency Perspective on Observing Source Tests and Reviewing Reports Carl Slimp (Puget Sound CAA)</p> <p>Stack Testing, the Expected and the Unexpected Aissata Cisse (Puget Sound CAA)</p>	<p>WA GHG Reporting: The Foundation of Cap-and-Invest Laura Cladas (Washington Ecology) Emma Barrett (Washington Ecology)</p> <p>Preparing for GHG Third-Party Verification Yara Boonyarattaphan* (Landau)</p> <p>Washington’s Cap-and-Invest Program at ~One Year Old James Graves (Stoel Rives)</p> <p>New EITE Data Reporting Under the Washington Climate Commitment Act Marty Johnson* (Ash Grove)</p>	<p>PFAS in Waste Streams Jennifer Wynkoop (Landau)</p> <p>Opportunities to Drive Innovation in PFAS Treatment and Environmental Forensics Approaches Tom Wanzek* (Geosyntec)</p> <p>Ending the Forever Cycle: Complete PFAS Separation and Destruction Calvin Rhodes* (Aquagga)</p>	Presentations by Students
12:00 – 1:30pm				
Presidents’ Luncheon – Whale and Salmon Halls				
Session 5	Monitoring Chair: Evan Bing (Northwest CAA)	Clean Fuels Panel Discussion Chair: Kathy Strange (Puget Sound CAA)	Environmental Considerations for Military Bases Chair: Diane Roberts (JBLM)	Building and Maintaining a Career in the Environmental Field Chair: Betsy Cochran (Spring Environmental)
1:30 – 3:00pm	<p>The new generation of user-friendly, high-precision instruments for continuous ambient monitoring of hazardous air pollutants (HAPS) Milos Markovic (Picarro)</p> <p>Lessons learned from transportation construction air quality monitoring per Colorado SB260 Katie Kolesar (Air Sciences Inc)</p> <p>A New US EPA Approved Drone-Based Method for Surface Emissions Monitoring Arthur Mohr Jr (Sniffer Robotics)</p> <p>PM Sensors in the Washington Ambient Air Monitoring Network Nate May* (Washington Ecology)</p>	<p style="text-align: center;">Presenters:</p> <p style="text-align: center;">Abbey Brown Washington Ecology</p> <p style="text-align: center;">Cory-Ann Wind Oregon DEQ</p> <p style="text-align: center;">Dennis McLerran Cascadia Law</p>	<p>Army Environmental Performance Assessment System Diane Roberts (JBLM)</p> <p>Army Climate Strategy and Implementation Matt Schreck (JBLM)</p> <p>PFAS Investigations and Remediation at Joint Base Lewis-McChord and Yakima Training Center Mark Mettler* (JBLM)</p>	<p>Dealing with Difficult Times in Your Career Priyam Sharma* (Geosyntec)</p> <p>Looking Beyond the Traditional Career Path Alasdair Graham* (Puget Sound CAA)</p> <p>The Successful Interview Krista Kinsey (Simplot) & John Haney (Haley & Aldrich)</p>

3:00 – 3:30 pm	Refreshments – Whale and Salmon Halls			
Session 6	Continuous Emission Monitoring Systems Chair: Krista Kinsey (J.R. Simplot)	Air Toxics/Engaging Community Chair: Poppy Milliken (ERM)	Wastewater Management: Chair: Jenelle Scott (Spring Environmental)	Data Management Chair: Shauna McKellar (ERM)
3:30 – 5:00 pm	<p>An Overview of Air Emissions Continuous Emissions Monitoring Systems Calvin Loomis (Air Experts)</p> <p>Help! I'm a new environmental manager at a facility with a CEMS – what do I need to know?! Krista Kinsey (Simplot)</p> <p>Managing a Continuous Emissions Monitoring Program Marty Johnson* (Ash Grove)</p> <p>Regulation with CEMS, COMS and CMS: Cases from a WA Local Clean Air Agency Madeline McFerran* (Puget Sound CAA)</p>	<p>Environmental Justice and Stakeholder Engagement Poppy Milliken (ERM)</p> <p>Seattle-Tacoma 2020 Air Toxics Study Preliminary Results Graeme Carvlin* (Puget Sound CAA)</p> <p>After the Flare Shuts Off: Biofilters Applied to Landfill Gas Treatment Peter Bannister (Aspect)</p> <p>Mitigating Smoke Impacts in Oakridge, Oregon: Lessons Learned from a Public Health, Energy Efficiency and Emissions Reduction, and Environmental Justice Lens Grace Kaplowitz* (Good Company, a Division of Parametrix) Travis Knudsen* (Lane Regional Air Protection Agency)</p>	<p>Automated Solutions for Optimizing Aeration Blowers, Using VFDs & Advanced Controls Bob Kisler (Hoffman & Lamson)</p> <p>Review of Developing Federal and State Regulations on PFAS in Wastewater Joe Kalmar (Landau)</p> <p>Towards Understanding Dynamic Population Changes Using Biomarkers in Municipal Wastewater: Validation with census and mobile device data Dan Burgard (UPS)</p> <p>Treatment of cresol in industrial wastewater by chlorine dioxide oxidation: permitting, design, application, and performance. Lauryn Guerrissi* (Parametrix) Joe Mitzel* (Parametrix)</p>	<p>Data Usage is Data Management Dreas Nielsen (Integral)</p> <p>Automating Photo Processing and Map Display Cole Richards* (Geosyntec)</p> <p>Modelling Shade Cast from Sun Angle Cole Richards* (Geosyntec)</p> <p>Panel Discussion as Time Permits</p>
6:00 – 11:30pm	GALA Event – Kiana Lodge			

Friday, October 27, 2023

	Deer Hall A	Deer Hall B	Billy Frank Jr. Hall	Chief Chico Hall
Session 7	<i>Inconspicuous Air Quality Impacts Chair: Beth Fifield Hodgson (Spring Environmental)</i>	<i>Emission Reduction Projects Chair: Lester Keel (HF Sinclair)</i>	<i>Legislative Updates Chair: Erica Doctor (Vanderberg, Johnson & Gardara)</i>	<i>Waste Management/Sustainability Chair: Josh Hudgins (Budlinger & Associates)</i>
8:30 - 10:00 am	<p>Talking Trash: Heaps of Answers to Your Garbage Questions Sara Conley (EPA Region 10)</p> <p>The Impact on American Industry of Lowering the PM2.5 NAAQS Jim Guenthoer (Clean Air Engineering)</p> <p>Comparing and Contrasting the Air Quality Analyses Needed for Clean Air Act Permitting versus NEPA Review Al Trbovich (Boreal Environmental Services)</p> <p>RCRA Defines Air Quality Controls Beth Fifield Hodgson (Spring Environmental)</p>	<p>British Columbia's proposed methane reduction regulations for the oil and gas sector Kristofer Siriunas (British Columbia Energy Regulator)</p> <p>The Importance of Reducing Emissions from Rail Yards Beth Carper (PSCAA)</p> <p>Electric Vehicle Headlines and Trends in 2023 Merlyn Hough (University of Portland)</p> <p>We Cannot Have a Renewable Energy Future Without Prioritizing Equity Kurt Miller (Northwest RiverPartners)</p>	<p>Presenters:</p> <p>Brian Bunger Holland & Knight</p> <p>David Rabbino Jordan Ramis</p> <p>Erica Doctor Vanderberg, Johnson & Gardara</p>	<p>Multiple Lines of Evidence to Illustrate Low Vapor Intrusion Risk Priyam Sharma* (Geosyntec)</p> <p>Acetic Acid and pH in Living Membrane Growth Solution Gautham Hari** (Montana Tech)</p> <p>Industrial Stormwater: Regulatory Issues and Technical Challenges Katie Saltanovitz (Landau)</p>
10:00 - 10:30 am	Refreshments – Whale and Salmon Halls			

Session 8	Composting Chair: Madeline McFerran (Puget Sound CAA)	Benzene Waste Operation NESHAP Panel Discussion Chair: Shannon Logan (Marathon)	Legislative Updates Chair: Erica Doctor (Vanderberg, Johnson & Gardara)	After the waste – what can go wrong, and how to make things right Chair: Sheila Smith (Emerald Services)
10:30 – noon	<p>Biofiltration – When Is It Appropriate? Alfredo Arroyo (ERM)</p> <p>Optimizing Source Testing for Meaningful Results: Key Components and Things to Consider for Commercial Composting Facilities Mark Goodin (Olympic Regional CAA)</p> <p>Simulating buoyancy from aerated static piles in AERMOD Annie Klinke* (Landau)</p> <p>Feedstock Management Initiatives Around Compostable Products Susan Thoman (Compost Manufacturing Alliance)</p>	<p>Presenters:</p> <p>Ruth Benning BWON Solutions</p> <p>Steve Probst 4C Conference</p> <p>Ryan O'Larey BP/Whiting</p>	<p>Presenters:</p> <p>Brian Bungler Holland & Knight</p> <p>David Rabbino Jordan Ramis</p> <p>Erica Doctor Vanderberg, Johnson & Gardara</p>	<p>Pasco Landfill NPL Site: The Regulatory CAMU Process and Hazardous Waste Management of the Zone A Drum Removal Action Jessi Massingale (Floyd/Snyder) Lance Moen (PBS Engineering)</p> <p>Kaiser Aluminum NPL Groundwater Remediation of Cyanide, Fluoride, and Nitrate Contamination Using Wetland and Electrocoagulation Water Treatment Josh Hudgins* (Budinger & Associates)</p> <p>TSD/Used Oil Recycling/LQG Partial Closures Liz Luecker (Jacobs)</p>
12:00 – 1:30pm	Awards Luncheon – Whale and Salmon Halls			

* Young Professional

** Student