



2019 WORC Annual Conference

“Full Circle Compost: From Sustainable to Regenerative”

ROT Agenda Day 1-November 7th

8:00 am – 8:30 am-Registration

8:30 am -8:45 am

Welcome and Title V - AN OVERVIEW
Stephanie Miller, Olympic Organics

8:45 am - 9:15 am

Review of Emission Factors Commonly Used in Determining Regulations
Tim O'Neill, ECS President
Geoff Hill PhD, ECS Director of Technical Services

9:15 am -9:45 am

Title V in Washington
Mike Shults, Olympic Region Clean Air Agency

9:45 am – 10:15 am-Break

Please take time to visit our exhibitors!

10:15 am – 10:45 am

Connecting Compost Process Science to Air Emissions Regulations
Tim O'Neill, ECS President

10:45 am – 11:15 am

Dirt Hugger permitting experience with Title V
Pierce Louis, Dirt Hugger President

11:15 am – 11:45 am

Composting and Air Emissions, A Hunt for the Truth
Bob Barrows, Oregon DEQ Materials Management Policy Analyst
Louis Bivins, Oregon DEQ Air Quality Permit Writer

11:45 am -12:15 am

Q&A and Panel Discussion – All Speakers

12:15 am – 1:15 am

Lunch and Networking

1:15 am -3:45 am

Finian Makepeace, Kiss the Ground – Workshop

5:30 pm– 7:30 pm

Presidents Reception

Full Circle Compost: From Sustainable to Regenerative

Annual Conference Agenda Day 2- November 8th

7:30 am – 8:00 am-Registration

7:30 am – 8:15 am

Welcome and Breakfast *Dan Corum*

8:15 am-10:00 am

Regenerative: the future we need
Finian Makepeace, Kiss the Ground
This is an interactive presentation that provides communication tools for making the case for regenerating and rebuilding our land's soil as priority number one. With a focus on compost as a means to that end, we will expand on compost producers integral role in advocating and leading this conversation to its rightful place in policy, business, and consumer priorities.

10:00 am-10:30 am

Networking Break- Visit our exhibitors!

10:30 am- 11:30 am

Panel Discussion 1- Compost in Agriculture Saves the World!
Nehemias Chalma, Natural Selection Farms
Karen Hills, Washington State University

11:30 am-12:00 pm

Annual Meeting – President Fleischner

12:00 pm-1:00 pm

Lunch and Networking

1:00 pm-2:00 pm

Panel Discussion 2-Food Recovery Programs and HB 1114 (its potential impact on the compost (and solid waste industry)
Mary Harrington, Department of Ecology
Joe Gruber, Executive Director and the University District Food Bank

2:00 pm-2:15 pm

Networking Break

2:15 pm-2:45 pm

Closing Remarks

2019 WORC Annual Conference – Speaker Bios



Stephanie Miller

I have grown up in the waste industry going to take your daughter to work days and then working during college breaks. I have a BS in accounting from Central Washington University. I had not planned on going into the waste industry, but I was approached with starting our recycling company in 2005. After 8 years it evolved into purchasing a defunct composting facility in 2013. I fell in love with composting and the science behind it.



Geoff Hill

Geoff Hill has a PhD in Decentralized Human Waste Management from the University of British Columbia, and is the ECS Director of Technical Services. He is responsible for developing and delivering consulting services targeted specifically to the needs of his clients that often focus on the collection of quantitative data that enable informed decision making on facility design, control of odor and process improvement. Geoff has operated Anaerobic Digestion Facilities, ASP facilities and Windrow Facilities. Geoff is also the founder and President of Toilet Tech waterless toilets for high use, remote, and public park sites.



Mike Shults

I have worked as an Air Quality Specialist (Compliance Inspector) for the Olympic Region Clean Air Agency (ORCAA) for over 13 years. I have been an ORCAA inspector for several compost operations, as well as various other industries that have similar odor control requirements. I have the responsibility to ensure compliance with established permit regulations for both small and large compost operations. Prior to joining ORCAA, I had 11 years' experience as an Environmental Health Specialist working for The Shoalwater Bay Indian Tribe, Thurston County, and Pacific County. I graduated from the Evergreen State College with a Bachelor of Science Degree in Environmental Science.



Tim O'Neill

Tim learned to compost from his dad while growing up in Seattle. He earned his BS and MS in Mechanical Engineering at the University of Washington. Under his leadership ECS has provided engineering and/or process technology to 100's of composting facilities on several continents. Tim serves as a Trustee for the USCC's Research and Education Foundation and he teaches classes facility design and odor management for both the USCC and WORC. His professional passion is combining science-based inquiry, professional engineering and operational experience to help our industry improve.



Pierce Louis

Pierce Louis is a co-founder at Dirt Hugger, a 62,000 TPY composting company located in Dallesport, WA. At Dirt Hugger, Pierce serves as the 'Swiss Army Knife'; focusing on business development, marketing and finance, but leaving time to run loaders and screen compost. He also serves as a board member for the US Composting Council.



Bob Barrows

Bob Barrows has been with the Oregon DEQ solid waste program for 28 years; serving in various roles. He's currently a Waste Policy Analyst located in Eugene. Among other policy duties, he's the composting program lead, wrestling with AQ permitting issues and assists staff with composting facility permitting questions. Bob has a BS degree in Range Management from Humboldt State University (1981) and an MBA from Oregon State University (1988).

2019 WORC Annual Conference – Speaker Bios



Finian Makepeace

Finian Makepeace is the co-founder of Kiss the Ground and a renowned presenter, media creator, and thought leader in the field of regenerative agriculture and soil health. His dedication to Kiss the Ground's mission of "inspiring participation in global regeneration, starting with soil", has motivated him to develop training programs, workshops, and talks designed to empower people around the world to become confident advocates for this growing movement. As part of the Kiss the Ground media team, Finian has worked with leading experts, farmers, and businesses to bring the ideas of regenerative agriculture and soil health as hopeful solutions to the world's problems in clear, comprehensible and thought-provoking formats to audiences everywhere. Simply, he has helped Kiss the Ground succeed in

sharing this message across the globe. His background as a leader of a band and lifelong activist has given him the unique opportunity to blend his artistic vision with his ability to organize and advocate for this growing, global, and diverse community. His "calling" is that people experience being a part of making history" and he believes that with enough new advocates promoting the ancient wisdom and new science of regenerative agriculture and ecosystem restoration we can heal our planet.



Karen Hills

Karen became a Research Associate with Washington State University's Center for Sustaining Agriculture and Natural Resources in 2018. She contributes to several projects involving re-use of organic materials, modelling of irrigation demand, and soil health. Karen developed her interest in the natural world during her formative years, which were spent in interior Alaska. She earned a B.S. in Rural Sociology from Cornell University, an M.S. in Soil Science from University of Vermont, and a Ph.D. in Crop Science from Washington State University. Karen has experience working on field crop variety trials and dairy nutrient management in Vermont and with private landowners while working for a conservation district in western Washington. Her specific area of interest in sustainable management of soil and nutrients. Karen currently lives in Seattle.



Nehemias Chalma

Nehemias directs operations at Natural Selection Farms Compost Facility, Sunnyside WA. He began working for NSF in May 2005. Under his leadership, throughput doubled as NSF regimented its pursuit of quality by establishing an in-house lab, achieving STA certification, and mandating CFOT for facility employees. He is appreciated by his employees and colleagues as being a developer – helping those around him grow and be successful.

Nehemias was one of the first in the nation to receive the USCC CCOM Certification. In addition to CFOT, other achievements and trainings include SWANA Training and Certified Composting Systems Manager Certification (2014), Washington State Farm Bureau Supervisor Training (annual), , Washington Farm Labor Association Leadership Training and Communication Summit (2013).



Mary Harrington

Mary Harrington is a graduate of Miami University and The Evergreen State College and has extensive experience in waste reduction and recycling. She is currently the Organic Materials Management Lead for the Washington Department of Ecology (HQ- Lacey) where she works to improve statewide diversion of all organics to beneficial end uses.