WEF Odors and Air Pollutants Conference 2023

May 16-19, 2023

Charlotte Convention Center,
Charlotte, North Carolina, USA

Pre-Conference Workshop

(last updated December 23, 2022)

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Additional fees apply

Workshop A: Odor Fundamentals - Let's Start At the Beginning!
Tuesday, May 16, 2023
1:30 p.m. – 5:00 p.m.

Coordinator: Richard Pope, Hazen and Sawyer

Presenters: Ryan McKenna, Hazen and Sawyer; Vaughan Harshman, Evoqua Water Technologies; Chris Hunniford, V&A Engineering; Diederik Apgar, King County

The goal of this session is to provide attendees who are new to the odor field and those who are hazy and simply want to brush up on their fundamentals an opportunity to start from the beginning and learn the abc's of odor assessment and control and how to communicate with the number one driving force behind odor control implementation – the community. There are currently very few references that provide a thorough understanding of the basics of odors. One of the better references is the WEF Manual of Practice # 25 - Odor Emissions and Control for Collection Systems and Water Resource Recovery Systems – Second Edition (2020). In addition, we are unaware of any higher level of learning classes either in person or on-line that teach to this topic. As a result, where else will the odor uninformed turn to learn about the field of odor? This session is an opportunity to learn about the fundamentals from experienced professionals who have spent most of their careers doing odor and odor-related work.
The following topics will be covered in this session:

- Odor Formation and Corrosion – Learn where, how, and what conditions enhance the formation of odors within the collection system and the Water Resource Recovery Facilities
- Field Monitoring – Learn about how to set up an odor monitoring plan and what equipment is needed to implement that plan
- Chemical Addition – Learn about the 5 different categories of chemicals that are used today to reduce wastewater sulfide levels
- Vapor Phase Technologies – Learn about the most commonly used vapor phase odor control technologies today and how and where they work most effectively and efficiently
- Odor Dispersion Modeling – Learn how to use odor dispersion models as a tool to determine what plant unit operations need to be controlled to mitigate off-site odors.
- Community Outreach – Learn various approaches, from simple to more engaging, to communicate with the neighborhood residents.