

DETECT AND DISINFECT! EXPLORING WASTEWATER DISINFECTION

DESCRIPTION

This hands-on workshop will immerse students, consultants and design engineers, lab technicians, utility researchers and administrators in the basic principles of wastewater disinfection and the cutting edge-research in disinfection technologies. Wastewater pathogens and various disinfection technologies (Peracetic Acid, UV, Ozone, and Chlorine) will be discussed via quick presentations; this information will be reinforced through interactive online trivia quizzes, a technology conferencing session with vendors showcasing video demonstrations of their recent disinfection technologies, live demonstrations of laboratory testing of wastewater parameters and collaborative problem solving towards real-world disinfection scenarios.

SPEAKER LIST

1. **Kyle Curtis**, Hampton Roads Sanitation District (HRSD)
2. **Scott Schaefer**, AE2S
3. **Isaiah Michael Spencer-Williams**, University of Pittsburgh
4. **Domenico Santoro**, USP Technologies
5. **Ted Couch**, Jacobs
6. **Gary Hunter**, Black and Veatch
7. **Erich DeLang**, Aqua- Aerobic Systems
8. **Stan Shmia**, De Nora Water Technologies
9. **Jade Lubie**, Electrolytic Technologies Systems
10. **Arijit Sarkar**, Enaqua
11. **Salvador Dominguez**, Xylem
12. **John Welsh**, Xylem
13. **Joseph Mock**, Olin
14. **Patrick Bollman**, Evoqua
15. **Santhosh Krishna Sekar**, Arcadis
16. **Kari Fitzmorris Brisolara**, Louisiana State University Health Sciences Center
17. **Keerthisaranya Palanisamy**, CDM Smith

AGENDA

<i>TIME</i>	<i>TOPIC</i>	<i>INSTRUCTOR AND AFFILIATION</i>
10 minutes	Welcoming Remarks, Speaker and Attendee Introductions	Keerthisaranya Palanisamy, CDM Smith; Kari Brisolar, LSUHSC
20 minutes	Wastewater Pathogens, Presentation and Trivia Questions	Kyle Curtis, HRSD; Kari Brisolar, LSUHSC
20 minutes	Chlorine, Presentation and Trivia Questions	Scott Schaefer, AE2S
20 minutes	Peracetic Acid, Presentation and Trivia Questions	Isaiah Spencer-Williams, Pitt; Domenico Santoro, USP Technologies
20 minutes	Ozone, Presentation and Trivia Questions	Erich DeLang, Aqua-Aerobic Systems, Inc
15 minutes	Break	
20 minutes	UV, Presentation and Trivia Questions	Ted Couch, Jacobs; Gary Hunter, Black and Veatch
30 minutes	Technology Conferencing –Technology Viewing, Attendee & Vendor Interaction	Facilitator –Santhosh Krishna Sekar, Arcadis
15 minutes	Break	
60 minutes	Lab Demonstrations/Problem Solving Scenarios – Group Discussion Break Rooms	Facilitator –Santhosh Krishna Sekar, Arcadis; Keerthisaranya Palanisamy, CDM Smith
10 minutes	Discussion of scenario solutions and closing remarks	Keerthisaranya Palanisamy, CDM Smith; Kari Brisolar, LSUHSC; Scott Schaefer, AE2S
	Disperse	