



Industrial Wastewater Treatment Workshop Portland, OR

This course is designed for operators, engineers, and supervisors that work routinely in industrial wastewater treatment facilities. The topics will also be extremely valuable for other individuals such as consultants, suppliers, or facility managers desiring a greater insight into the operational aspects of biological wastewater treatment.

Venue: The Bidwell Marriot, Portland, OR

Agenda

September 15, 2026

8:00 AM – 10:00 AM (8:00 AM – 9:00 AM Breakfast will be available)

Session 1: Introduction to Biological Wastewater Treatment (2 hrs.)

- 1.1 - Historical Perspective of Treatment Advances, Regulation and Permitting
- 1.2 - Review of Commonly Used Terminology
- 1.3 - Industrial Wastewater Pretreatment

10:00 AM – 12:00 PM

Session 2: Eight Critical Growth Pressures for Optimizing BOD Removal (2 hrs.)

- 2.1 - Methods for Wastewater Characterization
- 2.2 - Wastewater Testing
- 2.3 - The Eight Critical Growth Pressures

12:00 PM – 1:00 PM Lunch

1:00 PM – 3:00 PM

Session 3: Microbiology and Microscopic Examinations (2 hrs.)

- 3.1 - Introduction to Wastewater Microbiology
- 3.2 - Conducting Microscopic Examinations

3:00 PM – 4:30 PM

Session 4: Wastewater Data Analysis, Interpretation, and Troubleshooting (1.5 hrs.)

5:00 PM – 6:00 PM Hospitality Hour - Hors D'oeuvres

September 16, 2026

Aerated Stabilization Basin (ASB) Class

8:00 AM – 10:30 AM

Session 5: Know your ASB (2.5 hrs.)

- 5.1 – Monitoring ASB Performance
- 5.2 – Depth, Tracer, and Profile Studies

10:30 AM – 12:00 PM

Session 6: The Role of Additives in ASBs (1.5 hrs.)

12:00 PM – 1:00 PM Lunch

1:00 PM – 2:30 PM

Session 7: Advanced Monitoring of ASBs (1.5 hrs.)

- 7.1 – Traditional vs. Advanced Monitoring
- 7.2 – Wastewater Treatability
- 7.3 – Advanced Chemical Analyses

2:30 PM – 3:30 PM

Session 8: Proactive Management of your ASB System (1 hr.)

Activated Sludge Class

8:00 AM – 10:00 AM

Session 5: Activated Sludge Technology (2 hrs.)

- 5.1 – Basics of AST Technology
- 5.2 – Activated Sludge Process Control
- 5.3 – Nutrient Optimization and Control

10:00 AM – 11:00 AM

Session 6: Activated Sludge Microbiology (1 hr.)

11:00 AM – 12:00 PM

Session 7: Secondary Clarifier Troubleshooting (1 hr.)

12:00 PM – 1:00 PM Lunch

1:00 PM – 2:30 PM

Session 8: Advanced Monitoring of Activated Sludge Systems (1.5 hrs.)

- 8.1 – Traditional vs. Advanced Monitoring
- 8.2 – Wastewater Treatability
- 8.3 – Advanced Chemical Analyses

2:30 PM – 3:30 PM

Session 9: Proactive Management of your Activated Sludge System (1 hr.)