



Wednesday, March 25th, 2026

10:00 AM to 11:30 AM

CSWEA Operator Training Course: Activated Sludge I

OVERVIEW

This program explains the basis for specific process control strategies, the calculations used to implement them and the sampling programs to support them. Also included are general biological concepts related to activated sludge plants and the factors that affect these processes. This course will serve as an excellent part of Wastewater Operator Certification exam preparation.

AGENDA

10:00 am Introduction

10:05 am Course Topics:

- Activated Sludge Origin
- Process
- Sampling
- Microbiology
- Process Control
- Return Rates
- Mean Cell Residence Time
- Food to Microorganisms Ratio
- Control Concerns

11:30 am Adjourn



CONTINUING EDUCATION

1.5 CEUs for Operators in Illinois, Wisconsin & Minnesota.
Operator ID/Quiz required for webinar.

1.8 PDHs for all Professional Engineers



COST

\$35 – Members (Discount Code: CSWEA)

\$40 – Non-Members

\$10 – Student (Discount Code: Student)

\$10 – International (Discount Code: International)

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Instructor:

Adam Lacey



Adam Lacey started working for the City of Lockport Public Works at the age of 17 via a high school program that got young adults out into the working field. At the age of 19 Adam accepted a fulltime position with the City of Lockport Wastewater Department. Then at the age 28 Adam was promoted to Crew Leader of the Wastewater Department. Adam obtained his Class 1 Wastewater and Collection Systems certifications in 2025. After his 13 years with the City of Lockport, he has grown to love wastewater & all the challenges it brings. In his free time Adam enjoys power lifting, video games and time with friends & family. Adam is always up for trying something new and giving it his all!

