



Tuesday March 18th, 2025
10:00 AM to 11:30 AM

CSWEA Operator Training Course: Fundamentals of Anaerobic Digester Operation and Control

OVERVIEW

The absence of oxygen makes anaerobic digestion a unique solids management process. Using consistent heat and mixing result in the reduction of solids volume and volatile solids content that creates a stabilized product (biosolids) that is used for alternative disposal methods such as land application as an agricultural fertilizer.

An additional byproduct of this method is the production of methane biogas which, when used with a combined heat and power system, can be a source of renewable energy.

After taking this class, operators will have an improved understanding of the system and strategies and be better prepared for the day-to-day tasks of completing this portion of the treatment process.

AGENDA

10:00 am Introduction

10:05 am Course Topics:

- Process Description
- Description of Facilities
- Management of Operations
- Normal Operations
- Operational Problems
- Data Collection and Laboratory Control
- Maintenance

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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CENTRAL STATES WATER ENVIRONMENT ASSOCIATION
OPERATOR TRAINING PROGRAM

Instructors:



Jonathan Kolweier

Jonathan Kolweier is a Wastewater Engineer at Baxter & Woodman (B&W), based in Naperville, IL. He began his career at B&W as a “year-round” intern in 2020 while finishing school and transitioned to a full-time role in July 2022. His work focuses on wastewater treatment plant design, with a particular focus on anaerobic digestion, solids handling, and combined heat and power. Jonathan currently serves as the Illinois Section Membership Co-Chair for the Central States Water Environment Federation (CSWEA) and is an active volunteer and young professional with the organization. He holds a bachelor’s degree in Civil Engineering from the University of Illinois at Urbana-Champaign and is a licensed Engineering Intern (E.I.) in the State of Illinois.

