



OPERATOR TRAINING PROGRAM

Thursday December 17th, 2020

10:00 AM to 12:00 PM

CSWEA Operator Training Course: Fundamentals of Preliminary & Primary Treatment

OVERVIEW

The path of wastewater is a long and winding one, beginning at its source (domestic, commercial, and industrial) and ending with its clean, safe return to surface water or groundwater where it can take its place in the hydrological cycle. This course picks up the journey of wastewater as it arrives at the plant (influent). The treatment of wastewater includes many crucial components. Improper, ineffective, inefficient handling of influent leads to a multitude of problems as the process continues. This course examines many of the hurdles that must be overcome (the what, when and how) and provides strategies and tools necessary to address those hurdles.

AGENDA

10:00 am Introduction

10:05 am Course Topics:

- Characteristics of Wastewater
- Screening
- Grit Removal
- Pre-Aeration
- Primary Treatment
- Primary and Secondary Clarifiers
- Common Calculations

12:00 pm Adjourn

CONTINUING EDUCATION

2.0 CEUs for Operators in Illinois, Wisconsin & Minnesota.

Operator ID/Quiz required for webinar.

2.4 PDHs for all Professional Engineers



COST

\$20 – Members (Discount Code: CSWEA)

\$25 – Non-Members

\$5 – Student (Discount Code: Student)

\$5 – International (Discount Code: International)

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CENTRAL STATES WATER ENVIRONMENT ASSOCIATION
OPERATOR TRAINING PROGRAM

Instructors:



Mike Holland

Mike is the District Engineer / Asst. District Manager for the Kishwaukee Water Reclamation District in DeKalb, IL. He holds a bachelor's degree in Civil Engineering from the University of Illinois – Urbana/Champaign and master's degree in Public Administration from Northern Illinois University. Mike worked for 9 years as a water/wastewater engineering consultant for Trotter and Associates, Inc. in St. Charles, IL. before coming to work the Kishwaukee Water Reclamation District, where he's been for 7 years. Mike is a registered professional engineering (PE) in Illinois and Wisconsin and an Illinois EPA certified Class 1 Wastewater Operator. He also recently got a dog.



Jason Neighbors

Jason is an Operator 1, working for the Glenbard Wastewater Authority since 2014. Jason has been in the wastewater field since 1993, working as a municipal wastewater operator. Throughout his career he has been blessed to learn and grow with the evolving future of this industry.