



Tuesday February 22nd, 2022
10:00 AM to 11:30 AM

CSWEA Operator Training Course: Fundamentals of Wastewater Disinfection

OVERVIEW

This course picks up the journey of wastewater as it nears the end of its trail through the treatment plant. This is where the pathogens are removed, preparing the water to be returned to the hydrological cycle in a safe form. Once this component of the process is completed, the water is no longer considered wastewater, but 'final effluent.' This is also the portion of the process that 'protects the public health.' Once the water passes through this stage it must pass a number of rigid tests and comply with numerous state and federal regulations. The importance of having operators well versed in the intricacies of this function cannot be overstated. This course will prepare attendees to perform tasks in this area.

AGENDA

10:00 am Introduction

10:05 am Course Topics:

- Chlorine
- Ultraviolet Systems
- Chlorine Dioxide
- Ozone
- Dechlorination
- Math Problems

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

\$20 – Members (Discount Code: CSWEA)

\$25 – Non-Members

\$5 – Student (Discount Code: Student)

\$5 – International (Discount Code: International)

REGISTER [HERE](#)

 **GoToWebinar**



CENTRAL STATES WATER ENVIRONMENT ASSOCIATION
OPERATOR TRAINING PROGRAM

Instructors:



Luke Markko

Luke is the Superintendent of the Northern Moraine WRD in Island Lake, IL. He holds an Associate's Degree in Arts from the College of Lake County and Class 1, Industrial, and Collections wastewater certifications with the Illinois EPA. Luke entered the wastewater field in 1999 working at Northern Moraine part time while in High School and College. He then went onto work for the Village of Wauconda for 12 years before returning to Northern Moraine in 2018. Luke is a former president of the Fox Valley Operators association and has represented Central States WEA in Operations Challenge several times and continues to be active in CSWEA committees. When not working, Luke can be found enjoying the outdoors with his family.

