



Tuesday May 31<sup>st</sup>, 2022

10:00 AM to 11:30 AM

## 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

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

\$25 – Members (Discount Code: CSWEA)

\$30 – Non-Members

\$5 – Student (Discount Code: Student)

\$10 – International (Discount Code: International)

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CENTRAL STATES WATER ENVIRONMENT ASSOCIATION  
OPERATOR TRAINING PROGRAM

**Instructors:**



**Ed Brown**

Ed is the Operations Superintendent for the Fox River Water Reclamation District. He leads a team of 15 operators and oversees the operations of three wastewater treatment facilities. He has been in wastewater for 29 years and holds a Class 1 Wastewater Certification and a Class B Water Certification. He is a Past President of the Fox Valley Operators Association, Past Secretary/Treasurer of the IAWPCO and is currently the Second Vice President of the IAWPCO.

