

**BAYWORK & BACWWE Virtual Water and Wastewater Operator
Certification Exam Prep Workshop**
Thursday, April 1, 2021

Title: Open Forum – Drinking Water and Wastewater Operator Certification Programs

Description: This is an *interactive* discussion between state representatives, operators, supervisors, owners of drinking and wastewater systems, and water industry associations. This forum is for anyone working in the water industry.

Instructor: Annette Caraway, State Water Resources Control Board Office of Operator Certification

Scheduled Time: 9:00 a.m.- 9:50 a.m.

CWEA Contact Hour: 1 hour all vocations

SWRCB Contact Hour: 1 hour

Wastewater Treatment Operator Prep Classes for Grades 1 - 3

Title: An Overview of Primary and Secondary Clarifiers and their Operational Considerations

Description: Topics will include how a clarifier works, typical mechanical components, types of waste removed, expected removal efficiencies, surface overflow rates, sludge withdrawal rate, and solids loading rates.

Attendees will learn about clarifier operations and their uses in the primary and secondary processes as well as how to determine proper operation and conditions and recognize the signs of poor performance. They will also practice clarifier math and learn how these math problems apply to the operation of a clarifier.

Instructor: Jordan Damerel, Director of Engineering for Fairfield-Suisun Sewer District

Scheduled Class Time: 10:00 a.m. – 10:50 a.m.

CWEA Contact Hour: 1 hour all vocations



Title: Activated Sludge

Description: The class will cover activated sludge for the upcoming state certification.

Instructor: Monte Hamamoto, Silicon Valley Clean Water Chief Operating Officer; Adjunct Professor of Water Wastewater Technology at Solano College and Gavilan College

Scheduled Class Time: 11:00 a.m. – 11:50 a.m.

CWEA Contact Hour: 1 hour for ECI, LAB, OP, and BLAM vocations

Water Treatment Operator Prep Classes for Grades 1 – 3

Title: Water Treatment Grade T2 and T3 Study Course

This class will cover Water Treatment Grade T2 and T3 certification practice questions for those taking the upcoming state certification. The T2 and T3 exams are entry level certificates necessary to operate most water treatment plants.

Instructor: Daniel Gill, Water Treatment Superintendent, East Bay Municipal Utility District

Scheduled Class Time: 10:00 a.m. – 10:50 a.m.

SWRCB Contact Hour: 1 hour

Title: Drinking Water Disinfection

Description: The history, impact, effectiveness, and use of chemical disinfectants to destroy or inactivate waterborne pathogens. Their impacts on the water quality and regulatory requirements.

Instructor: James Kenney, Superintendent of Operations, Water Treatment, Marin Municipal Water District

Scheduled Class Time: 11:00 a.m. – 11:50 a.m.

CWEA Contact Hour: 1 hour CSM, LAB vocations

SWRCB Contact Hour: 1 hour

Water Distribution Operator Prep Classes for Grades 1 - 3

Title: Water Distribution Certification Prep Class - Grades 1-3

Description: This class will go over the Grade 1 - 3 Expected Range of Knowledge for the following areas: Water System Layout, Valves, Water meters & Hydrants.

Instructor: Danny Ward, Water/Wastewater Systems Operations & Maintenance Supervisor, The City of Pleasanton

Scheduled Class Time: 10:00 a.m. – 10:50 a.m.

CWEA Contact Hour: 1 hour CSM vocations

SWRCB Contact Hour: 1 hour

Title: Distribution System Flushing and Valve Exercising Program

Description: This class is designed to demonstrate the successful components of a comprehensive water distribution system flushing program coupled with an effective valve exercising plan. An effective program provides benefits ranging from improved delivered water quality to increased valve shutdown reliability during emergencies. These programs also serve to satisfy the regulatory compliance requirements regarding dead-end flushing, storm water discharge compliance and valve maintenance best management practices.

Instructor: Dan Martin, Water/Wastewater Systems Operations & Maintenance Supervisor, Dublin San Ramon Services District

Scheduled Class Time: 11:00 a.m. – 11:50 a.m.

CWEA Contact Hour: 1 hour CSM vocations

SWRCB Contact Hour: 1 hour