

# ACTIVATED SLUDGE & NUTRIENT REMOVAL

A FREE Class Sponsored by CDPHE

City of Alamosa

502 2nd Street

September 17, 2024

8:00 AM - 4:15 PM



Join us for a full day of in-depth activated sludge process control training. Learn how to decide how to set targets for various activated sludge process control variables and the effects of making changes. We'll discuss what affects MLSS concentration, RAS concentration, sludge age, food-to-microorganism ratio, and effluent ammonia, nitrite, nitrate, and phosphorus concentrations.

**WHEN:** September 17, 2024 from 8:00 AM until 4:15 PM

**WHERE:** City of Alamosa, 502 2<sup>nd</sup> Street, Alamosa, CO 81101

**COST:** Completely free courtesy of CDPHE. This seminar does not include lunch or snacks.

**AGENDA:**

8:00 AM	Wastewater Characteristics and Sampling
9:00 AM	Biological Treatment Basics
10:00 AM	Break
10:15 AM	Activated Sludge Control Points
11:45 AM	Lunch (45 minutes)
12:30 PM	Hands-On Process Simulator / Data Collection
1:00 PM	Optimizing Nitrification
2:00 PM	Optimizing Denitrification
2:30 PM	Gimkit Quiz Game / Memory Game
3:00 PM	Break
3:15 PM	Hands-On Process Simulator / Data Collection

**COURSE MATERIALS**

After registering, you'll receive a Google Drive link containing PDFs of the course handouts.

**TRAINING UNITS**

Approval Number: 24-10467-001

Max = 0.75

Water = 0.4

Wastewater = 0.75

Industrial = 0.75

Distribution = 0.1

Collection = 0

TUs will be uploaded to the CCWP Portal within 48 hours of course completion.

**HOW TO REGISTER**

Space is limited! Visit <https://www.indigowatergroup.com> to register online or email Sidney at [sidney@indigowatergroup.com](mailto:sidney@indigowatergroup.com) or call her at 303-489-9226 for more information.