# BIOLOGICAL NUTRIENT REMOVAL

**CE: 6 hours Any WW**
**OE: None**
**CT: None**

**1 DAY**

**615-900-1000**

**DATE:**
9/21/2027

**TIME:**
8:00 AM – 3:00 PM
Central

**LOCATION:**
WEBINAR

**QUESTIONS:**
NANCIE BAKER
*TAUD Education Assistant*
615-900-1000
nanciebaker@taud.org

**Send Check to:**
**TAUD Training Station**
**P.O. Box 2529**
**Murfreesboro, TN**

**We accept VISA, AMEX, Discover & MasterCard (Please call 615-900-1000 if paying with credit card.)**

This class examines the similarities of the cleansing action of wastewater by a stream and an activated sludge process along with bio-indicators of the degree of pollution in a stream and an activated sludge process. The class also presents the function of bacteria structures and how they are related to acceptable and unacceptable operational conditions. Bacterial growth and reproduction along with the bacterial "growth" are examined to provide the operator of an activated sludge process with insight to how to interpret the percent mixed liquor volatile suspended solids present in the process. Types of BOD reviewed include soluble and insoluble and carbonaceous and nitrogenous.

**Topics Covered:**

- Different types of BOD that enter a treatment plant
- Different forms of metabolism for degrading BOD
- Monitoring the form of metabolism using oxidation-reduction potential [ORP]
- Operational conditions that influence the quantity of sludge produced

**COST**

- TAUD Member: $195
- Non Member: $390

**INSTRUCTOR:**

- Michael Gerardi, Wastewater Microbiologist

## ONE REGISTRANT PER PAGE

**Name**_____

**System/Company Name**_____

**Address**_____

**City**_____ **State** _____ **Zip Code**_____

**Phone** _____ **E-mail**_____

****** Send registration to registration@taud.org or Fax 615-898-8283 ******

**CANCELLATION POLICY:**

Registering for a class means that the registrant commits to attend this class (Another person may be substituted). Registrants that do not show up for the class will be charged the full cost of the class unless cancellations are made in accordance with the following schedule.

- 15+ days prior to the class- No Fees (excluding study materials provided)
- 5-14 days prior to the class- Half Fee (plus any study materials provided)
- Less than 5 days prior- Full Fees

Note: only requests submitted in writing, e-mail or fax will be accepted.