

FREE 2-DAY TRAINING For Wastewater Treatment Operators



Wastewater Treatment Basics and Nutrient Removal

Focusing on low cost methods to remove nitrogen and phosphorous from wastewater

Details

Improve your understanding of wastewater treatment including physical, biological and chemical treatment trains and advanced topics such as nitrification and denitrification, biological phosphorous removal, and chemical removal of nitrogen and phosphorous.

The second day will focus on case studies and discussion of the participants' treatment facilities, permit limits, challenges, and potential solutions.

Attend in-person or online!

January 24 and 25, 2024

Change in venue, now at the

Yam Theater

219 Main St., Portales, NM 88130



Funded by the Surface Water Quality Bureau of the New Mexico Environment Department and conducted by Daniel B. Stephens & Associates, Inc.

15 Continuing Education Hours

Earn 15 continuing education credit hours toward your New Mexico Utility Operator Certification Program renewal. Credit hours dependent on attendance (7.5 credits/day).

Technical Assistance Site Visit

A technical assistance site visit is included. Daniel B. Stephens & Associates, Inc. will evaluate facilities and make recommendations for treatment optimization. Utilities will be provided a written report that can be used to apply for Clean Water State Revolving Funds.

To register: Call or email Nancy Rebarchik
(505) 822-9400 | nrebarchik@geo-logic.com



Wastewater Treatment Basics and Nutrient Removal

Focusing on low cost methods to remove nitrogen and phosphorous from wastewater

Agenda

Day 1 – Wastewater treatment basics		
Start	Stop	
8:00 AM	8:30 AM	Course introductions and pre-quiz
8:30 AM	9:00 AM	Regulatory framework for nutrient removal
9:00 AM	9:15 AM	What is wastewater?
9:15 AM	9:45 AM	Wastewater treatment methods
9:45 AM	10:15 AM	Fundamentals of Biological Treatment
10:15 AM	10:30 AM	Quiz
10:30 AM	10:45 AM	Break
10:45 AM	12:00 PM	What are nutrients?
12:00 PM	12:15 PM	Quiz
12:15 PM	1:00 PM	Lunch Break
1:00 PM	1:45 PM	Chemistry Review
1:45 PM	2:15 PM	Biological Nutrient Removal
2:15 PM	2:30 PM	Break
2:30 PM	4:30 PM	Chemical Nutrient Removal
4:30 PM	5:00 PM	Quiz, Questions and Wrap Up

Day 2 – Interactive Lessons in Nutrient Removal		
8:00 AM	9:00 AM	Review of Day 1
9:00 AM	10:00 AM	Case Studies from EPA
10:00 AM	10:15 AM	Break
10:15 AM	11:00 AM	Participants Description of WWTPs and Permit Limits
11:00 AM	11:30 AM	Small Group Breakout - Optimization Discussion
11:30 AM	12:00 PM	Small Group Report Back
12:00 PM	12:45 PM	Lunch Break
12:45 PM	1:15 PM	Quiz and Recap Morning Session
1:15 PM	2:15 PM	Case Studies from Montana
2:15 PM	3:15 PM	Small Group Breakout - Optimization Discussion
3:15 PM	3:30 PM	Break
3:30 PM	4:30 PM	Small Groups Report Back
4:30 PM	5:00 PM	Quiz, Questions and Wrap Up

To register: Call or email Nancy Rebarchik
(505) 822-9400 | nrebarchik@geo-logic.com

