Walters environmental consulting, inc.

Problems, Patterns, & Treatment Webinar Description

Treatment problems rarely occur without warning. Most develop gradually, leaving behind patterns in plant data that—if recognized early—can prevent compliance violations, process upsets, and costly reactive fixes. This course focuses on how to identify those patterns and use them to diagnose, correct, and prevent treatment problems.

Participants will learn how to move beyond isolated data points and develop a systems-based understanding of treatment performance. The course covers process control testing, data validation, and trend analysis, with emphasis on how to interpret plant data in the context of hydraulics, loading conditions, and overall system design.

A structured approach to problem solving is introduced, including root cause analysis, treatment system evaluation, and the use of pilot studies and controlled trials to test solutions before full-scale implementation. Participants will learn how to prioritize changes, verify that solutions are effective, and update operational procedures to sustain improvements.

The course also emphasizes proactive management—using data to anticipate future problems rather than simply reacting to current ones. Real-world examples illustrate how complex issues often stem from multiple contributing factors, and why solving only part of the problem can lead to recurring failures.

By the end of the course, attendees will have a practical framework for identifying trends, diagnosing root causes, and implementing lasting solutions—allowing them to take control of treatment performance with confidence and consistency.