

Event Focus

This training will provide wastewater operations personnel with an overview of analytical instrumentation and its role in process monitoring, maintenance, troubleshooting, and operational decision-making. Attendees will gain a practical understanding of how instruments are applied throughout the treatment process, best practices for preventative maintenance and troubleshooting, and how process data can be used to optimize plant performance. The session will conclude with a guided tour of Monterey One Water's Regional Treatment Plant, highlighting real-world applications of the instrumentation discussed.

Full Agenda

HACH Instrumentation Overview & Process Monitoring

45 Minutes: Abram Guajardo - HACH Company

1. Introduction to Hach
 - Company overview and wastewater industry support
 - HACH solutions for municipal wastewater treatment
 - Instrument lifecycle support and technical resources
1. Water Quality Instrumentation
 - Overview of online analytical instrumentation
 - Common parameters monitored throughout the treatment process
 - Importance of reliable process monitoring
1. Instrument Applications
 - Instrumentation throughout the wastewater treatment process
 - Real-world examples from municipal treatment facilities
 - Questions & Answers

Monterey One Water Instrumentation Applications

30 minutes: Carlos Williams - HACH Company

1. Process Instrumentation at Monterey One Water
 - Review of existing Hach equipment
 - Instrument locations and process functions
 - Critical monitoring points throughout the plant
1. Instrument Performance
 - Operational considerations
 - Common operating challenges
 - Best practices for maximizing instrument reliability

Instrument Maintenance & Troubleshooting

45 minutes: Carlos Williams - HACH Company

1. Preventative Maintenance
 - Recommended maintenance intervals
 - Calibration best practices
 - Routine inspection procedures
1. Troubleshooting Techniques
 - Diagnosing common instrument failures
 - Communication and analyzer issues
 - Tips for minimizing downtime
1. Discussion of Monterey One Water Equipment
 - Biotector analyzer considerations
 - 5500 AMC analyzer performance
 - Common plant-specific questions
 - Q&A

Using Process Data for Operational Decisions

30 minutes: Sidney Mascarenhas

1. Process Data Interpretation
 - Turning analyzer data into operational decisions
 - Trending and identifying process changes
 - Improving treatment efficiency through monitoring
1. Case Studies
 - Real-world wastewater applications
 - Lessons learned from other treatment facilities
 - Discussion and Q&A

Agenda

08:00 – 08:10: Welcome & Introductions

08:10 – 08:55: Hach Instrumentation Overview

08:55 – 09:25: Monterey One Water Instrument Applications

09:25 – 10:10: Maintenance & Troubleshooting

10:10 – 10:40: Process Data Applications

10:40 – 11:25: Regional Treatment Plant Tour

11:30 – 12:30: Lunch Sponsored by HACH

12:30 – 12:55: Open Discussion & Questions

12:55 – 13:00: HACH Resources & Closing Remarks

Participants

This event is limited to 60 attendees. Lunch will be provided for all participants.

Venue Requirements

- Conference Rooms A & B
- Projector and presentation capability
- Wireless microphones (if available)
- Plant tour access with appropriate PPE
- Seating accommodations for up to 60 attendees

Cost

\$35 per attendee

Additional Notes

- Coffee and light refreshments will be provided in the morning.
- The training will include interactive discussions and Q&A throughout the presentations.
- Comfortable attire and sturdy footwear are recommended for the plant tour.
- Monterey One Water Operations staff will lead the facility tour and discuss real-world applications of the instrumentation presented.

Parking Instructions

Monterey One Water staff will be available to direct visitors to designated parking areas upon arrival.