

Requesting Organization: Clean Water Services (CWS)

Course Title: Is the Air Safe to Breathe? Gas Monitoring Equipment Awareness

Date: To be determined/on demand. This training is delivered in-person as crews have availability (e.g. during inclement weather on days that do not allow for field work).

Time: 1 Hour

Location: Clean Water Services Field Operations Facility, in Beaverton, Oregon

Instructor: James Vitko, Field Maintenance Supervisor

Course Outline:

This one-hour instructor-led in-person training provides employees with an overview of Clean Water Services gas monitoring equipment, atmospheric hazards, and safe monitoring practices. Participants will learn the proper use, capabilities, limitations, testing requirements, and interpretation of readings from the Ventis Pro 5 and MX6 gas monitors. The training covers daily equipment checks, bump testing, calibration concepts, zeroing and pump testing requirements, atmospheric monitoring techniques, alarm recognition, oxygen-deficient and oxygen-enriched atmospheres, and Clean Water Services policies for responding to gas monitor alarms and equipment concerns.

Attendees will also learn how gas monitoring supports safe entry and work practices within wastewater collection and treatment system environments and how atmospheric conditions can impact worker safety.

Overall Course Training Goals:

- Understanding the purpose and importance of atmospheric gas monitoring in wastewater operations.
- Knowledge of the proper use, operation, and limitations of Clean Water Services gas monitoring equipment.
- Ability to perform required pre-use testing and verify equipment readiness.
- Understanding of atmospheric hazards commonly encountered in wastewater collection and treatment systems.
- Ability to interpret monitor readings and respond appropriately to alarms and abnormal atmospheric conditions.
- Awareness of Clean Water Services policies and expectations regarding gas monitor use, care, and maintenance.

CEU Summary (Relevancy to Wastewater Operator Certification):

This training is directly related to employee safety and atmospheric hazard monitoring in wastewater collection and treatment system operations. Participants will learn proper operation and interpretation of gas monitoring equipment used to identify hazardous atmospheres, oxygen deficiencies, combustible gases, and toxic gases commonly encountered in wastewater work environments.

Total Training Time: 60 minutes

CEUs Requested: 0.1

Instructor Information

Name	Presentation Title	Instructor Background	Brief Session Description
James Vitko	Is the Air Safe to Breathe? Gas Monitoring Equipment Awareness	James Vitko has more than 24 years of experience with Clean Water Services in the Field Operations Division, including 9 years supervising the Line Maintenance Department. He currently holds a DEQ Wastewater Collection System Operator Certification and has developed and delivered training on a variety of wastewater collection system and industry topics. Since approximately 2015, James has provided specialized training on the use, operation, and application of Clean Water Services gas monitoring equipment. These trainings have been observed by regional gas monitor manufacturer	This session provides an overview of atmospheric gas monitoring principles, equipment operation, testing requirements, and interpretation of readings from gas monitoring instruments used by Clean Water Services. Participants will learn proper monitoring techniques, equipment limitations, alarm response requirements, and organizational policies related to gas monitor use in wastewater operations.

		representatives and local equipment distributors.	
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Attendance Tracking Method:

1. Participants sign in upon arrival.
2. Participants sign out at the conclusion of the course.
3. Supervisor verifies attendance.
4. Roster submitted to OESAC by Learning Coordinator for participants who attend the full one-hour training.
5. Attendance records are maintained by the Learning Coordinator.