

Water Quality Sampling and SDWA Compliance

Drinking water treatment operators interact with disinfectants and their related processes daily. Having a baseline understanding of disinfection process management and related water quality parameters is essential for protecting public health.

Water Quality Sampling and SDWA Compliance (6-hour block)

Training Objectives and Learning Outcome:

This 6-hour course will review the Revised Total Coliform Rule, Groundwater Rule, and various sampling protocols. The sources, health concerns and proper sampling methods for coliform, VOC, SOC, and DBPs will be discussed along with information about emerging contaminants. The essential components of effective site sampling plans will be covered. The morning session will be focused on regulatory review with the afternoon session focused on proper sampling.

Attendees will learn:

- Review of the SDWA and RTRC
- How to develop and conduct a sampling program
- How to identify appropriate sampling sites
- Proper sample collection techniques
- How to fill out a chain of custody form
- About emerging contaminants
- Proper sampling techniques with hands-on practice
- About indicator organisms

Agenda:

Title: Water Quality Sampling & SDWA Compliance						
Location: Lapwai, ID, Pendleton, OR						
Date: Dec 6 & Dec 8						
Trainers: Beth Read and Jeremy Peirsol, RCAC						
Start Time	Lead	Topic	Time (Minutes)	Contact Hours	CEUs	Notes
9:00:00 AM	J, B	Introductions, Icebreaker, Pre-test	15	0.25	0.025	Sign in, Introductions, Pretest
9:15:00 AM	Jeremy	RTRC, LCR regulatory review	45	0.75	0.075	
10:00:00 AM		Break	5			
10:05:00 AM	Jeremy	Chlorine Residual Mapping & Videos	45	0.75	0.075	
10:50:00 AM	Jeremy	Break	5		0	
10:55:00 AM		DBP, IOC, VOC, SOC	30	0.5	0.05	
11:25:00 AM	J,B	Chain of Custody Activity	35	0.75	0.075	Using remainder of Time before Lunch
12:00:00 PM		Lunch	60			
1:00:00 PM	Beth	Emerging Contaminants	60	1	0.1	
2:00:00 PM	Beth	PFAS Sampling Demo	15	0.25	0.025	
2:15:00 PM	Beth	Coliform Sampling	15	0.25	0.025	
2:30:00 PM	J, B	Group Lab Sampling Activity	30	0.5	0.05	Max Group Size - 4
3:00:00 PM	Beth	DBP, VOC, SOC sampling Demo	15	0.25	0.025	
3:15:00 PM	J.B	Group Lab Sampling	30	0.5	0.05	Max Group Size - 4
3:45:00 PM	J.B	Post-Test, Evaluations	15	0.25	0.025	Print Post Test and RCAC Evals
4:00:00 PM		Adjourn				
			420	6	0.6	

*Sampling Jeopardy! Game if time permits.