

Chloramination - Process Control (1.5 hours)

If your plant relies on a dosing ratio to control your process, such as five parts chlorine to one-part ammonia, your water could be susceptible to several issues including nitrification. A dosing ratio is meant to be a starting point, as it doesn't account for varying pH levels, temperature, or existing ammonia. To reach optimum disinfectant levels, you need to adjust your process based on the actual levels of chlorine and ammonia in your source water. But how do you know what those levels are? In this course you'll learn how online instruments can automatically control your ammonia and chlorine feeds to maintain the correct ratio and where laboratory instruments can complement the measurements.

Introduction to Online Chloramination Control Presentation 30 minutes

Hands-on Online Chloramination Instrumentation Overview 60 minutes

- Theory of Operation
- Introduction to instrument features
- Grab sample analysis/comparison to lab methods
 - Free Ammonia and Monochloramine – Indophenol Method