

Stage 1 DBPR

Introduction

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Standards Apply to...

- **Chlorine and Chloramines:** All CWSs and NTNCWSs that add chlorine or chloramines
- **TTHM & HAA5:** All CWSs and NTNCWSs that add a chemical disinfectant
- **Disinfection Byproduct (DBP) Precursors:** Subpart H systems adding a chemical disinfectant and using conventional filtration or softening

Standards Apply to...

(Not covered in this training)

- **Bromate:** Applies to CWSs and NTNCWSs using ozone to disinfect or oxidize
- **Chlorine dioxide:** All systems that use chlorine dioxide
- **Chlorite:** Applies to CWSs and NTNCWSs that use chlorine dioxide

Training Overview

- Systems will learn how the Stage 1 DBPR impacts them:
 - Chlorine & Chloramines MRDLs
 - TTHM & HAA5 MCLs
 - DBP Precursors Treatment Techniques
 - Monitoring Requirements

Training Overview (continued)

- Compliance Determination
- Reporting and Planning
- Returning to Compliance
- Other Compliance Issues
- How to Create a Monitoring Plan

Stage 1 DBPR Overview

Starting January 1, 2004, small (serving < 10,000) Subpart H & all ground water systems using a chemical disinfectant must comply with:

- New disinfectant MRDLs for chlorine, chloramines, & chlorine dioxide.
- New DBP MCLs for TTHM, HAA5, bromate, & chlorite.
- New Treatment Technique requirements for Total Organic Carbon (TOC).

The requirements that apply to your system depend on your treatment process and your type of water source.

Monitoring Plans

All affected systems must develop a monitoring plan detailing how they will:

- Collect Samples
- Determine Compliance



Consecutive systems adding a chemical disinfectant must have monitoring plans that reflect the entire distribution system.

Monitoring Plans

- All affected systems must have their monitoring plan completed and available for inspection by January 31, 2004.
- All Subpart H systems serving > 3,300 must submit a copy of their monitoring plan to the state by April 10, 2004.

Analytical Methods

- Stage 1 DBPR specifies analytical methods for each standard.



- Only certified labs can analyze TTHM & HAA5, bromate, and monthly chlorite distribution system samples.
- For daily chlorite, disinfectants, and all other non-MCL parameters (e.g., alkalinity, TOC, bromide), analysis may be conducted by a party approved by EPA or the state.