# 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.**