



## STAGE 1 DISINFECTANTS & DISINFECTION BYPRODUCTS RULE

### Laboratory Quick Reference Guide

#### Overview of the Rule:

Title: Stage 1 Disinfectants and Disinfection Byproducts Rule (Stage 1 DBPR)  
63 FR 69330 – 69476, December 16, 1998, Vol. 63, No. 241

Revisions to the Interim Enhanced Surface Water Treatment Rule (ESWTR), the Stage 1 Disinfectants and Disinfection Byproducts Rule (Stage 1 DBPR), and Revisions to State Primacy Requirements to Implement the Safe Drinking Water Act (SDWA) Amendments 66 FR 3770, January 16, 2001, Vol. 66, No. 29

Purpose: Improve public health protection by reducing exposure to disinfection byproducts. Some disinfectants and disinfection byproducts (DBPs) have been shown to cause cancer and reproductive effects in lab animals and are suspected to cause bladder cancer and reproductive effects in humans.

General Description: The Stage 1 DBPR is the first of a staged set of rules that will reduce the allowable levels of DBPs in drinking water. The new rule establishes seven new standards and a treatment technique of enhanced coagulation or enhanced softening to further reduce DBP exposure. The rule is designed to limit capital investments and avoid major shifts in disinfection technologies until additional information is available on the occurrence and health effects of DBPs.

ROUTINE MONITORING REQUIREMENTS		
Regulated Contaminants/ Disinfectants	Coverage	Monitoring Frequency
TTHM/HAA5	Surface and GWUDI serving $\geq 10,000$	4/plant/quarter
	Surface and GWUDI serving 500 – 9,999	1/plant/quarter
	Surface and GWUDI serving $< 500$	1/plant/year in month of warmest water temperature*
	Ground water serving $\geq 10,000$	1/plant/quarter
	Ground water serving $< 10,000$	1/plant/year in month of warmest water temperature*
Bromate†	Ozone plant	Monthly at entrance to distribution system
Chlorite	Chlorine dioxide plants	Daily at entrance to distribution system; monthly in distribution system
Chlorine/Chloramines	All systems	Some location and frequency as Total Coliform Rule sampling
Chlorine dioxide	Chlorine dioxide plants	Daily at entrance to distribution system
DBP precursors (TOC/Alkalinity/SUVA)	Conventional filtration systems	Monthly for total organic carbon and alkalinity or the SUVA alternative.

\* System must increase monitoring to 1 sample per plant per quarter if an MCL is exceeded.

† Reduced Bromate monitoring may be available based on results of optional Bromide monitoring –See Stage 1 DBPR.

#### Laboratory Considerations:

- ◆ Certified for both methods: HAA5 and THMM
- ◆ Dedicated instrumentation and project manager
- ◆ Will provide sampling at no charge (*with proper scheduling*)
- ◆ Pick up and delivery within the state
- ◆ All containers/kits provided at no cost

#### For more information, please contact:

Southern Petroleum Laboratories, Inc.  
500 Ambassador Caffery Parkway  
Scott, Louisiana 70583

Dwayne Coco, Sales Representative  
Ph: 337-298-4989  
Email: dcocospl@cox.net