Stage 2 Disinfectants/Disinfection Byproducts Monitoring Plan

103-2

DATE RECEIVED

(FOR CDPH USE ONLY)

System Name: _____

System Number: _____

Schedule ☐**1** ☐**2** ☐**3** ☐**4** (circle one of these)

Population: _____

Source Type: ☐ Groundwater ☐ Surface Water
(circle all that apply)

First start sampling under Stage 2 DBP (month/year): _____

Number and Frequency of TTHM/HAA5 Samples

Increased:
(If any sample >0.080 mg/L TTHM or >0.060 mg/L HAA5) OEL=$[Q_1+Q_2+2(Q_3)]/4$

Routine: _____
(Return to routine from increased if TTHM LRAA ≤0.060 mgL and LRAA HAA5 ≤0.045 mg/L)

Reduced: _____
(GW: If LRAA ≤0.040 mg/L TTHM and ≤0.030 mg/L HAA5 and no sample >0.060 mg/L TTHM or >0.045 mg/L HAA5 for GW)
(SW: Same as GW plus TOC annual average ≤4.0 mg/L)

☐ Attach map of distribution system with sample location marked

Sample Location(s)/Code(s): _____

Month and Location of Highest TTHM and HAA5 concentration:

Calculating MCL Compliance: Compliance is based on the running annual average at each sampling location, where TTHM MCL: 0.080 mg/L and HAA5 MCL: 0.060 mg/L

Distribution System Disinfectant Residual Monitoring

Sample Location and Frequency: Same location and frequency as bacteriological monitoring. See system bacteriological sampling plan.
MRDL = 4.0 mg/l – Running Annual Average

Ozone Facilities

☐ Check if no ozone. Bromate sampling does not apply.

Bromate Monitoring Location and Frequency: _____
(Entry point to the distribution system. Note this is different from the TTHM/HAA5 site.)
(Reduce to quarterly if bromate RAA ≤0.0025 mg/L)
(Return to monthly if bromate RAA >0.0025 mg/L or source water bromide RAA ≥ 0.05 mg/L)

Calculating MCL Compliance: Compliance is based the running annual average of monthly samples.
Bromate MCL: 0.010 mg/l

_____ _____
Signature Date

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Routine Sampling

	Population	Sample #	Frequency
SW/GWUDI	50,000 - 249,999	8 Duals	Quarter
	10,000 - 49,999	4 Duals	Quarter
	3,301 - 9,999	2 Duals	Quarter
	500 - 3,300	2 Samples	Quarter
	< 500	2 Samples or 1 Dual	Year
GW	100,000 - 499,999	6 Duals	Quarter
	10,000 - 99,999	4 Duals	Quarter
	500 - 9,999	2 Duals	Year
	< 500	2 Samples or 1 Dual	Year

Start with routine.

Reduced Sampling

	Population	Sample #	Frequency
SW/GWUDI	50,000 - 249,999	4 Duals	Quarter
	10,000 - 49,999	2 Duals	Quarter
	3,301 - 9,999	2 Duals	Year
	500 - 3,300	2 Samples or 1 Dual	Year
	< 500	2 Samples or 1 Dual	Year
GW	100,000 - 499,999	2 Duals	Quarter
	10,000 - 99,999	2 Duals	Year
	500 - 9,999	2 Samples or 1 Dual	Year
	< 500	2 Samples or 1 Dual	Three Year

GW: If LRAA ≤0.040 mg/L TTHM and ≤0.030 mg/L HAA5 and no sample >0.060 mg/L TTHM or >0.045 mg/L HAA5
SW: If LRAA ≤0.040 mg/L TTHM and ≤0.030 mg/L HAA5, TOC annual average ≤4.0 mg/L, and no sample >0.060 mg/L TTHM or >0.045 mg/L HAA5 for SW/SWUDI System with population less than 10,000
Can start Stage 2 on reduced monitoring if 1) on reduced under Stage 1, 2) same sampling location(s), AND 3) number of sites do not change.

Increased Sampling

	Population	Sample #	Frequency
SW/GWUDI	50,000 - 249,999	8 Duals	Quarter
	10,000 - 49,999	4 Duals	Quarter
	3,301 - 9,999	2 Duals	Quarter
	500 - 3,300	2 Duals	Quarter
	< 500	2 Duals or 1 Dual	Quarter
GW	100,000 - 499,999	6 Duals	Quarter
	10,000 - 99,999	4 Duals	Quarter
	500 - 9,999	2 Duals or 1 Dual	Quarter
	< 500	2 Duals or 1 Dual	Quarter

Go to increased sampling for all sites if any sample >0.080 mg/L TTHM or >0.060 mg/L HAA5 or TOC annual average > 4.0 mg/L (for SW/GWUDI Systems)
Return to routine from increased if TTHM LRAA ≤0.060 mg/L and HAA5 LRAA ≤0.045 mg/L for 4 consecutive quarters

Reference Only. Do not submit this page.