Stage 2 DBPR Important Dates

Water System Schedule	Water System Population	Submit Compliance Monitoring Plan By:	Compliance Begins for Quarterly Monitoring*	Compliance Begins for Annual Monitoring
1	Serving 100,000 or more	October 31, 2011	1st Quarter 2012	Peak Historical Month in 2012
2	Serving between 50,000 and 99,999	December 31, 2011	2nd Quarter 2012	Peak Historical Month in 2012
3	Serving between 10,000 and 49,999	October 1, 2012	2nd Quarter 2013	Peak Historical Month in 2013
4	Serving less than 10,000	October 1, 2012	3rd Quarter 2013	Peak Historical Month in 2013

* Systems that conducted the IDSE must start per compliance monitoring per their IDSE Report.

Stage 2 Monitoring Requirements Ground Water Systems

Source Type	Population	Compliance Monitoring	
		FREQ[1]	TOTAL[2]
GW or GWP	<500	Peak Month	2 sites
GW or GWP	500 – 9,999	Peak Month	2 sites
GW or GWP	10K – 99,999	Every 90 Days	4 sites
GW or GWP	100K – 499,999	Every 90 Days	6 sites
GW or GWP	≥ 500K	Every 90 Days	8 sites

[1] All systems must monitor during month of highest DBP concentrations.
[2] All systems must take dual a sample set (TTHM and HAA5) at each site.

Stage 2 Monitoring Requirements Surface Water Systems

Source Type	Population	Compliance Monitoring	
		FREQ[1]	TOTAL[2]
SW or SWP	<500	Peak Month	2 sites
SW or SWP	500 – 3,300	Every 90 Days	2 sites
SW or SWP	3,301 – 9,999	Every 90 Days	2 sites
SW or SWP	10K – 49,999	Every 90 Days	4 sites
SW or SWP	50K – 249,999	Every 90 Days	8 sites
SW or SWP	250K – 999,999	Every 90 Days	12 sites
SW or SWP	1M– 4,999,999	Every 90 Days	16 sites
SW or SWP	≥ 5M	Every 90 Days	20 sites

[1] All systems must monitor during month of highest DBP concentrations.
[2] All systems must take dual a sample set (TTHM and HAA5) at each site.

Selecting Stage 2 DBPR Sites:

- Downstream of tanks
- Dead ends, but prior to last customers and prior to last hydrant or blowoff
- Hydraulic dead ends and mixing zones
- Downstream of booster chlorination
- Sites with difficulty maintaining residual
- Areas with low water use and low chlorine
- Areas of high historic TTHM and/or HAA5 levels

Certified Lab Analysis

Total Trihalomethanes (TTHMs) four analytes

- Bromoform
- Bromodichloromethane
- Clorodibromomethane
- Chloroform

Haloacetic Acids (HAA5s) - 5 analytes

- Dibromoacetic Acid
- Dichloroacetic Acid
- Monobromoacetic Acid
- Monochloroacetic Acid
- Tichloroacetic Acid

Notes:

- Contact a certified lab for the sample kit which contains multiple bottles for each monitoring site.
- Lab reports must contain the Public Water Supply Name and ID number and the sample locations.

Sending Required Info to LDHH

- Systems must send Stage 2 Compliance Monitoring Plan to LDHH for approval, in addition to:
  - Monitoring Plan Changes
  - TTHM and HAA5 Data (certified lab report)
  - Operational Level Reports
- Label your Map with PWS Name and PWS ID
- Send all the above to:

»DBP Compliance Manager
»DHH-OPH Engineering Services
»P.O. Box 4489
»Baton Rouge, LA 70821

Stage 2 DBPR – Recordkeeping Requirements

Maintain the following for:

- Initial Distribution System Evaluation (IDSE) Reports – 10 years
- Monitoring Plans – as long as it applicable
- Chemical (*i.e.,* TTHM-HAA5) data – 10 years
- LDHH correspondence (*i.e.*, violation/monitoring letters, etc.) – 3 years
- Operational Evaluation Level (OEL) Reports – 10 years
- Public Notices – 3 years
- Consumer Confidence Reports – 3 years

Is My System in Compliance with the Stage 2 DBPR?

If my water system is required to:

- Monitor **yearly**, I am in compliance if sample result < MCL for **every sample site**
- Monitor **every 90 days**, I am in compliance if the Locational Running Annual Average calculated as (Q1 + Q2 + Q3 + Q4)/4 < MCL for **every sample site**

TTHM MCL = 0.080 mg/L
HAA5 MCL = 0.060 mg/L

Operational Evaluation Level Report: Is Required **Every** time when…

My water system is required to monitor every 90 days and **at any** site:

$$\frac{Q_1 + Q_2 + 2Q_3}{4} > \text{MCL}$$

- where
  - Q_3 = current quarter result multiplied by 2
  - Q_2 = previous quarter result
  - Q_1 = quarter before previous quarter result

Operational Evaluation Level Report: Is **NOT** required if…

The OEL Report is not required if:

✓ ALL **individual** sample results (this means do **NOT** average) for every quarter for ALL sites are below the MCL

TTHM MCL < 0.080 mg/L
HAA5 MCL < 0.060 mg/L

Operational Evaluation Level Report: What to Write and When to Submit?

- Submit the OEL report within 90 days of OEL exceedance
- The OEL Report must describe **how to reduce high DBP levels** and **how each** of the following may have **affected DBP levels**:
  - Storage tank operations
  - Excess storage capacity
  - Distribution system flushing
  - Treatment changes
  - Changes in sources or source water quality
  - Any issues that may contribute to TTHM and HAA5 formation