



How to Be Successful During LCR Sampling

- DWA WG – July 12, 2022

LCR Monitoring Periods

- 3 Year (Triennial) Reduced Monitoring
 - Current example: 1/1/2020 – 12/31/2022
 - **Sampling during reduced monitoring always occurs between 6/1 – 9/30**
- 1 Year (Annual) Reduced Monitoring:
 - Current example: 1/1/2022 – 12/31/2022
 - **Sampling during reduced monitoring always occurs between 6/1 – 9/30**
- 6 Month (Initial/Routine) Monitoring:
 - Current example: 1/1/2022 – 6/30/2022 / 7/1/2022 - 12/31/2022

Sample Counts


- Lead and copper sample counts will always be dependent on the total population your PWS serves.
- The sample count is also dependent on your monitoring period
 - i.e. Initial/Routine Monitoring (More samples) vs. 1YR/3YR (Less samples) – **unless your population is 100 or fewer**

System Size (number of people served)	Number of Sites for Initial/Routine Monitoring	Number of Sites for Reduced Monitoring (1YR, 3YR, or 9YR)
More than 100,000	100	50
10,001 to 100,000	60	30
3,301 to 10,000	40	20
501 to 3,300	20	10
101 to 500	10	5
100 or fewer	5	5


Drinking Water Watch

- Always start by checking your monitoring period and sampling requirements on Texas Drinking Water Watch
- <https://dww2.tceq.texas.gov/DWW/>
- The sample schedule is located under “Water System Detail” > “Sample Schedule/FANLs/Plans”

Drinking Water Watch- Home Page



Texas Drinking Water Watch
Release: 3.7



[TCEQ Home Page](#)
[Lead and Copper Rule](#)
SDWIS - EPA

Public Water Supply System Search Parameters

Water System No.	<input type="text"/>
Water System Name	<input type="text"/>
Activity Status	All <input type="button" value="v"/>
Principal County Served	All <input type="button" value="v"/>
Water System Type	All <input type="button" value="v"/>
Primary Source Water Type	All <input type="button" value="v"/>

Drinking Water Watch- Water System Detail

Texas Commission on Environmental Quality		Office of Water		Public Drinking Water Section	
County Map of TX		Water System Search		Office of Compliance and Enforcement	
Water System Detail					
Water System Facilities	Violations	Enforcement Actions	TCR Sample Results	TTHM HAA5 Summaries	
Source Water Assessment Results	Assistance Actions		Recent Positive TCR Results	PBCU Summaries	
Sample Points	Compliance Schedules		Other Chemical Results	Chlorine Summaries	
Sample Schedules / FANLs / Plans	TOC/Alkalinity Results		Chemical Results: Sort by: Name Code	Turbidity Summaries	
Site Visits	Milestones	LRAA (TTHM/HAA5)	Recent Non-TCR Sample Results	TCR Sample Summaries	
Operators	All POC	Glossary		DWW Instructions	

Drinking Water Watch- Sample Schedules

Group Non-TCR Sample Schedules					
Facility	Begin End Date	Seas.	Init. MP Begin Dt	Req's	Analyte Group
DS01	04-01-2012 Continuous		04-01-2012	2 RT QT	DBP2 - DBP PHASE 2
DS01	01-01-2020 Continuous	6/1 9/30	01-01-2020	20 RT/3Y	PBCU - LEAD AND COPPER RULE

Drinking Water Watch- Sample Schedule Detail

Expanded Sample Schedules / FANLs / Plans

Routine TCR Sample Schedules

Begin/End Date	Seasonal Period	Samples Required per Month
01-01-1991 - Continuous	1/1 - 12/31	1

Group Non-TCR Sample Schedules

Facility	Begin End Date	Seas.	Init. MP Begin Dt	Req's	Analyte Group		
					Analyte	Samples	Schedule Satisfied
DS01	10-01-2013 Continuous	5/1 9/30	01-01-2014	1 RT/3Y	DBP2 - DBP PHASE 2 Your next sampling is due: Between May 1 - September 30, 2022		
					2456-TOTAL HALOACETIC ACIDS (HAA5)	0	No
					2950-TTHM	0	No
DS01	01-01-2022 Continuous	6/1 9/30	01-01-2022	5 RT/3Y	PBCU - LEAD AND COPPER RULE Your next sampling is due: Between June 1 - September 30, 2024		

If you are ever unsure of your sample schedule or sample count, reach out via email or phone call to the LCM team before taking your samples.

PWSLCR@TCEQ.TEXAS.GOV

Water Supply Division: 512-239-4691

Taking Your Samples

- TCEQ no longer provides sample bottles. Reach out to your NELAP accredited lab to have your sample bottles sent to you. Laboratories must accept only one liter unpreserved wide mouth laboratory-grade bottles. (30 TAC §290.117(h)(1))
- First-draw tap samples should be received at the laboratory within 14 days after collection date so laboratories can preserve the samples. (30 TAC §290.117(h)(2)(E))
- Laboratories cannot accept bottles for analysis without TCEQ Form 20683 - LCR Chain of Custody completely filled out and signed by the PWS representative. This form has the necessary information on it to determine first-draw samples and sampling sites or addresses.

Taking Your Samples- Continued

- Make sure that your customers know how to correctly take their tap samples before they take them.
- Your lab has no way of knowing whether a sample was taken correctly or not. If the sample was taken incorrectly, there is very little we can do.

Submitting Your Samples

- Make sure you are sampling from approved sample sites on file with TCEQ
 - If you need to add new sample sites, submit a Sample Site Selection Form to us at PWSLCR@tceq.texas.gov
- If you are sampling from existing sample sites, make sure that the LCR numbers and addresses are written correctly and legibly on Form 20683 - LCR Chain of Custody.
- Every system is required to maintain a list of their approved sample sites on file in their monitoring plan per TAC RULE §290.117 (c)(1)(C)
 - If you don't have a current list, please contact the LCM team

Sample Site Checker

- We review all sample data submitted during the monitoring period on a weekly basis.
- The LCM team reaches out to systems with sampling errors on a weekly basis.
 - As of 6/27/2022, 35 systems have been contacted to make corrections to their sample submissions.

Take Your Samples Early

- Please make sure to sample as early as possible within your respective monitoring period.
- Most violations we issue could be avoided if sampling had occurred earlier.
- Mistakes on monitoring forms and data submissions for unapproved sample sites make up most of the errors found during the review process.
 - **More time to review and correct errors = less violations**

Common Errors

- Mismatched LCR numbers
- Mismatched addresses
- Submitted data for sample sites that haven't been approved
- Insufficient number of samples submitted
- Improper sampling/Invalid samples

Correcting Errors

- If errors are found on your sample submission, a member of the LCM team will contact your system via email with instructions on how to make corrections.
 - **If your samples are late, we will not contact for corrections!**
- Please make sure that your contact information on file with TCEQ is up to date.
 - If changes to your system's contact information need to be made contact PWSINVEN@tceq.texas.gov
- All corrections to Form 20683 must be sent to your lab. Your lab will then send in the corrections to TCEQ
 - We cannot make the corrections on your behalf

Questions?