

Tips for Successful WQP Sampling

Michelle Ross – Lead & Copper Monitoring Team

Overview

- Water Quality Parameters (WQP)
 - Scheduling
 - Sampling
- Common Issues
- Best Practices
- Laboratories



How are WQP schedules determined?

- •New public water systems §290.117(e)(2)
- Long term change in source or treatment §290.117(d)(2)(E)
- •When an Action Level Exceedance (ALE) occurs §290.117(e), §290.117(e)(2)(B)
- •Following installation of optimal corrosion control treatment 290.117(n)



How is a PWS notified of WQP Schedules?

- Drinking Water Watch
- Letters
 - Plan Letters, Approval Letters, Reminder Letters
- TCEQ Webpage Excel Lists
- Call or Email the Lead & Copper Monitoring Team
- Reminder System



WQP Schedule Structure

- "6M1" January 1st June 30th
 - Quarter 1 (January 1st March 31st)
 - Quarter 2 (April 1st –June 30th)
- "6M2" July 1st December 31st
 - Quarter 3 (July 1st –September 30th)
 - Quarter 4 (October 1st December 31st)
- "YR" January 1st December 31st



WQP Schedules + Drinking Water Watch

Scheduled per location:
Check Entry Points
Displays 6M requirement
Divide by Quarter

Annual "YR" schedules are not collected quarterly

Group Non-TCR Sample Schedules									
Facility	Begin End Date	Seas.	Init. MP Begin Dt	Req's	Analyte Group				
<u>DS01</u>	07-01- 2022 Continuous		07-01- 2022	20 RT/6M	WQP1 - WATER QUAL PARAM 1				
PBCU001	07-01- 2022 Continuous		07-01- 2022	2 RT/6M	WQP1 - WATER QUAL PARAM 1				
PBCU002	07-01- 2022 Continuous		07-01- 2022	2 RT/6M	WQP1 - WATER QUAL PARAM 1				
PBCU008	07-01- 2022 Continuous		07-01- 2022	2 RT/6M	WQP1 - WATER QUAL PARAM 1				
PBCU009	07-01- 2022 Continuous		07-01- 2022	2 RT/6M	WQP1 - WATER QUAL PARAM 1				



WQP Collection

- Fully flushed samples (5 minutes)
- In 1-liter, clean, unpreserved, approved plastic bottles
- Collect sample immediately after completing full flush
- Where to collect:
 - Entry point Finished water entering distribution
 - Distribution –Representative outdoor sites
 - Usually, microbial (Bac-T) sites
 - Prior approval not needed



Laboratory Approval

- pH and Temperature Field Measurements
- Approval lasts three years Lab Approval Form 10450
- Licensed operator must be present
- Systems can outsource
- Approved third party
- Approved lab
- Lab Approval Coordinator
 PDWS@tceq.texas.gov

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

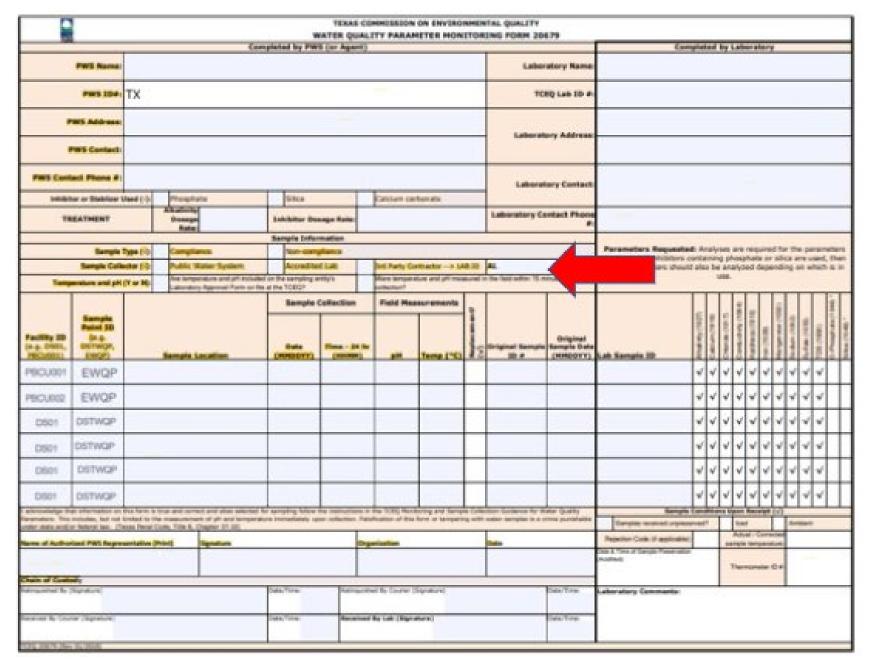
Approved Public Water System Laboratories

The following list of laboratories are approved by the TCEQ's Drinking Water Standards Division. The list indicates each approved drinking water analyte and method for each public water system laboratory listed. For questions related to individual laboratory approval please call (512) 239-4691.

6711 HIGHWAY 332 TX0200630	Ac	Lab ID: ALO creditation ID: NA	Contact Name	Approval Date: 11/12/2020 Contact Name: Libby Simonson Phone Number: (713) 840-8200			
	Analyte	Method	Instrument	Valid Until			
	Alkalinity	Contract Lab	A&B Labs	11/12/2023			
	Calcium	Contract Lab	A&B Labs	11/12/2023			
	Conductivity	Contract Lab	A&B Labs	11/12/2023			
	Free Chlorine	4500CL-G	Hach Pocket Colorimeter DR300	11/12/2023			
	Hardness	Contract Lab	A&B Labs	11/12/2023			
	Orthophosphate	365.1	Hach Pocket Colorimeter II	11/12/2023			
	pH	150.1	Hanna 9125	11/12/2023			
	Temperature	2550	Hanna 9125	11/12/2023			
	Total Chlorine	4500CL-G	Hach Pocket Colorimeter DR300	11/12/2023			
				F 14 0 10 00 4			



WQPMF Example



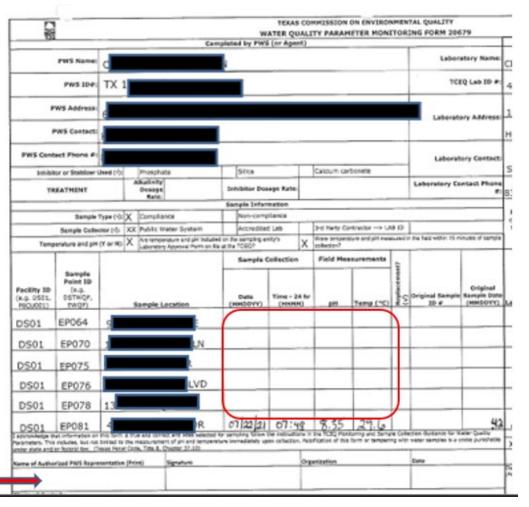


WQP Monitoring Form 20679

- Facility ID DS01 or PBCU00#
- Sample Point ID DSTWQP or EWQP
- Entry Point Sample Location on DWW
- Sample collector number
- Check facility and sample point IDs
- PWS representative signature, organization and date
- Form Instructions on Page 2 of WQPMF



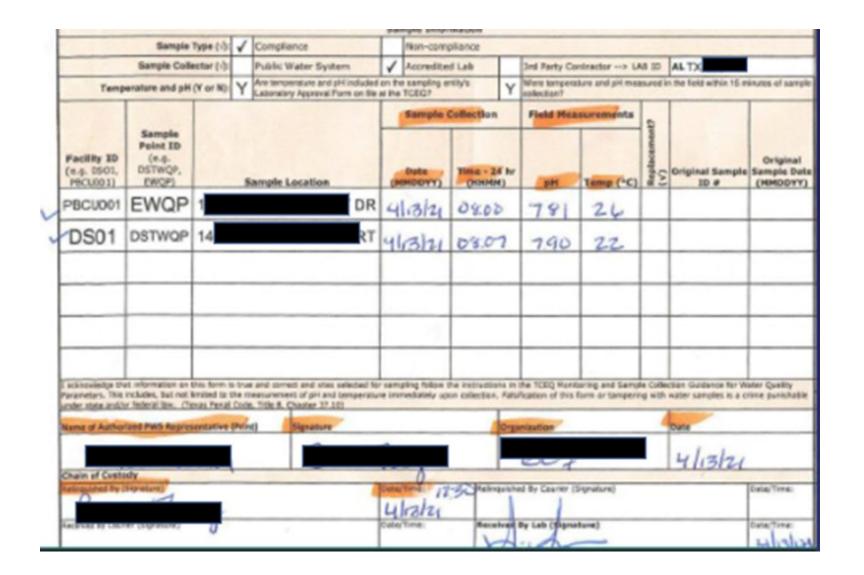
WQP Monitoring Form 20679 (Continued)



PWS Name: PWS ID#: TX PWS Address: PWS Contact: PWS Contact: PWS Contact Phone #: 2 Inhibitor or Stabilizer Used TREATMENT			Completed by PW			pier			Labor	atory Name	
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Facility ID (e.g. (e.g. DSTWQP, PBCU001) EWQF)	Sample	Sample Location		Time - 24 hr (HOMBH)		pit Temp (*G)		Replacement (v)	Original Sample ID #	Original Sample Date (MMDDYY)	
PECUOUI EVER			0/13/4	1420		8.8	23. 1				
DS CI OSTWUP NO		182	02. 07/2 h,	1435		8.7	23.5	111			
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Sampling Success Story





Sample Relinquishment

Confirm:

- Condition is acceptable
- WQPMF 20679 legible and complete
- Reporting deadline
- Turnaround time for reporting results to TCEQ
- Fee structure for rush samples/form corrections
- Contact information



PWS + Laboratory Communication

- Reliable contact information
- Receiving your analytical report
- Confirming samples reported and accepted
 - Check DWW
 - Follow up with lab first
 - Follow up with TCEQ if unable to resolve in your communications with lab



Laboratory Reporting

Ten days following the end of the monitoring period

- 6M1- Due by July 10th
- 6M2- Due by January 10th
- Annual- Due by January 10th
- Results posted on Drinking Water Watch
 - Other chemical results



Resources

- FMT Assistance
- Lab Maps
- Lab Approval: PDWS@tceq.texas.gov
- Lead and Copper Monitoring Team
- PWSLCR@tceq.texas.gov
- 512-239-4691





Thank you

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