

Mandatory Language for Surface Water Treatment Technique Violation

SURFACE WATER TREATMENT TECHNIQUE

The Texas Commission on Environmental Quality (TCEQ) sets minimum water quality standards for public drinking water. These standards include enforceable treatment technique requirements for drinking water. Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. **You do not need to use an alternative water supply.**

The **Sharyland WSC**, PWS ID **TX1080033**, failed to meet the minimum treatment technique requirements for the month of **JULY 2025**. Specifically, our water system had **Low Disinfection Contact Time (CT) for more than four consecutive hours**.

Sharyland WSC provides a brief explanation below, along with the corrective action(s) taken to prevent a recurrence of the violation:

On the day of the violation, July 27, 2025, during the graveyard shift at Water Treatment Plant Three (WTP3), two of the required monitoring parameters, pH and temperature, for contact time (CT) were not properly recorded. Chlorine residuals were measured and recorded correctly; however, without the corresponding pH and temperature values, the inactivation ratio calculated to 0.79 falling short of the total 1.0 CT inactivation ratio compliance requirement.

The missing pH and temperature values resulted in a value of No Data (ND) which automatically equals a value of 1, consequently impacting the final calculated inactivation ratios for a 24-hour period. See the chart below to reference the monitoring periods which show CT compliance the day before and after the missing data:

PERFORMANCE DATA									
DISINFECTION PROCESS DATA									
Date	Disinfectant	C (mg/L)	Flow (MGD)	Temp (°C)	pH	Giardia Log	Virus Log	Inact. Ratio	Time

Minimum Required CT Inactivation: **0.5 2.0 >1.0**

26	CLO2 D1	0.1	5.055	24.0	7.8				
	CLA D2A	8.0	2.527	25.0	6.8				
	CLA D2B	7.5	2.527	25.0	7.0	3.14	9.64	4.82	
	CLA D3A	6.6	0.842	28.0	7.1			(V)	
	CLA D3B	5.8	0.842	28.0	7.2				
27	CLO2 D1	0.1	4.148	ND	ND				
	CLA D2A	9.7	2.074	ND	ND				
	CLA D2B	9.6	2.074	ND	ND	0.66*	1.57*	0.79	
	CLA D3A	6.7	0.691	ND	ND			(V)	
	CLA D3B	6.7	0.691	ND	ND				
28	CLO2 D1	0.1	5.261	27.0	8.0				
	CLA D2A	8.9	2.630	27.0	7.3				
	CLA D2B	8.0	2.630	28.0	7.3	3.30	10.27	5.14	
	CLA D3A	6.3	0.877	28.0	7.2			(V)	
	CLA D3B	6.1	0.877	28.0	7.1				

The water system has since reviewed monitoring procedures and retrained operators to ensure all required disinfection parameters are consistently recorded to maintain CT compliance.

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions regarding this matter, you may contact **Gerardo Gracia at 956-271-1817** or **Claudia Cantu at 956-271-1830**.

Posted /Delivered on: 10/24/25
