

# Effluent Limits & Monitoring Quick Reference Card

Proposed water quality parameters under TCEQ Chapter 309/210 · Public comment open through June 16, 2026

**IMPORTANT:** These are **proposed** limits — not yet final. The Chapter 309/210 rules are in public comment through June 16, 2026. Final limits are targeted for adoption in August 2026. Do not use this card as a compliance document until final rules are published. Verify against final TCEQ rules and consult a licensed engineer before making treatment decisions.

## PROPOSED EFFLUENT LIMITS

Water quality parameters anticipated for land application of treated produced water under the proposed Chapter 309/210 framework. Actual final limits may differ upon rule adoption.

Parameter	Proposed Limit	Units	Application Type	Status
Total Dissolved Solids (TDS)	2,000 – 3,000	mg/L	Dust control, irrigation	Proposed
Sodium Adsorption Ratio (SAR)	10 – 15	unitless	Irrigation, ag reuse	Proposed
Chloride	500 – 1,000	mg/L	All land application	Proposed
Sodium	TBD	mg/L	Irrigation	Under review
Arsenic	0.01	mg/L	All land application	Proposed
Barium	2.0	mg/L	All land application	Proposed
Cadmium	0.005	mg/L	All land application	Proposed
Chromium	0.1	mg/L	All land application	Proposed
Lead	0.015	mg/L	All land application	Proposed
Mercury	0.002	mg/L	All land application	Proposed
Selenium	0.05	mg/L	All land application	Proposed
Total Coliform Bacteria	Non-detect	CFU/100mL	Irrigation, direct contact	Proposed
E. coli	Non-detect	CFU/100mL	Irrigation, direct contact	Proposed
Total Organic Carbon (TOC)	TBD	mg/L	All land application	Under review
pH	6.0 – 9.0	standard units	All land application	Proposed

\* Proposed limits are indicative based on TCEQ rulemaking documents. TBD values are under active review. Final limits will be confirmed upon rule adoption (target August 2026).

## APPLICATION RATE & SITE REQUIREMENTS

Anticipated site and operational criteria under the proposed framework:

Requirement	Anticipated Standard	Notes
Max application rate	Site-specific	Based on soil type, permeability, and water quality. PE/LPG determination anticipated.
Setback from surface water	100 feet (minimum)	Greater distances may apply depending on site conditions and water body classification.
Setback from water supply wells	500 feet (minimum)	Public water supply wells may require greater setbacks.
Depth to groundwater	5 feet minimum	Measured at time of application. Monitoring wells anticipated to be required.
Slope limitation	Less than 8%	Steeper slopes may require runoff controls.
Monitoring wells	Required	Minimum 1 upgradient, 2 downgradient. Quarterly sampling anticipated.

### ANTICIPATED MONITORING & SAMPLING REQUIREMENTS

Activity	Anticipated Frequency	Parameters
Source water testing (before application)	Each application event or quarterly	Full parameter panel including TDS, SAR, metals, bacteria, TOC, pH
Groundwater monitoring wells	Quarterly	TDS, chloride, sodium, metals, nitrates, bacteria
Application rate records	Each event	Volume applied, date, location, weather conditions
Annual report to TCEQ	Annually	Summary of all applications, water quality results, groundwater monitoring data

These proposed limits are based on TCEQ's Chapter 309/210 rulemaking documents. Actual final limits may differ. File a public comment by June 16, 2026 if these limits would be infeasible for your operations. Visit [permianproducedwater.com/regulatory.html](https://permianproducedwater.com/regulatory.html) for the comment guide and to find TCEQ-experienced environmental engineers and consultants in the Permian Basin.