

2026 TCEQ PW DUST SUPPRESSION CHECKLIST

Practical Field Guide for Permian Basin Operators and EPC Teams

PURPOSE

Help field teams and compliance personnel prepare for the TCEQ Chapter 309/210 rulemaking (proposal April 30, 2026) as it relates to dust suppression on roads, well pads, and construction sites.

SECTION 1 — UNDERSTAND THE REGULATORY SHIFT

Key changes under the proposed rules:

- Produced water land application (including dust suppression) moves from RRC to TCEQ oversight
- Treated PW requires secondary treatment standards before land application
- Site-specific technical reports, groundwater assessments, loading limits, and soil testing become mandatory
- Ongoing monitoring, record-keeping, and reporting obligations apply
- New fees and compliance documentation required

ACTION ITEM: Review current PW use for dust suppression and confirm it meets upcoming treatment standards.

SECTION 2 — FIELD ASSESSMENT CHECKLIST

- Identify high-risk areas: unpaved lease roads, well pads, freshly disturbed ground, excavation piles, frac sand sites
- Document typical wind patterns and dust events on your site
- Record current suppression methods and re-application frequency during high-wind periods
- Note equipment wear, visibility/safety issues, and coordination challenges with water truck schedules
- Evaluate differences between EPC/project-level needs and long-term operator setups

SECTION 3 — SUPPRESSION METHOD COMPARISON

Method	Pros	Cons	Compliance Note
PW Spraying	Readily available, low upfront cost	Short duration; frequent re-app in high winds	Must meet TCEQ treatment standards
Commercial Suppressants	Longer residual; reduced re-app; better on caliche	Higher material cost per application	Easier to document performance data for permits
Hybrid Approaches	Balance cost, performance & compliance	Requires compatible formulations	Treated PW base simplifies permit application

SECTION 4 — COMPLIANCE PREPARATION STEPS

1. Determine if your current water source and application method will require a new TCEQ permit
2. Gather site data: soil types, groundwater proximity, drainage patterns, and loading estimates
3. Plan for monitoring and record-keeping: application rates, weather conditions, re-application logs
4. Coordinate with suppliers who can provide technical documentation for permit applications

SECTION 5 — PRACTICAL FIELD TIPS FROM PERMIAN SITES

- Maintain consistent coverage during high-wind periods — gaps lead to rapid dust return
- Coordinate water truck schedules with shift changes and heavy traffic periods
- Monitor equipment for dust/grime buildup — regular cleaning maintains safety and efficiency
- Evaluate total cost of ownership: frequent re-application vs. longer-lasting commercial options

Need quotes from established Permian dust suppression suppliers? Visit PermianDustDefense.com/get-matched