



MINING

QUARRIES & GRAVEL PITS

Stronger Roads. Safer Pits. Cleaner Air.

Dust control and stabilization solutions for quarries and gravel pits.

Why Quarry & Gravel Pit Dust Matters

Quarries and gravel pits supply the aggregates that build our roads and communities, but their operations generate constant dust from blasting, crushing, stockpiling, and vehicle traffic.

Uncontrolled dust creates health and safety risks, strains community relations, reduces air quality, and accelerates equipment wear. It also puts operators at risk of compliance violations.

EnviroTech's solutions are engineered for quarry and gravel pit environments. They keep dust down, protect worker health, improve efficiency, and preserve valuable fines onsite.

MSHA Final Rule: Respirable Crystalline Silica

In 2024, MSHA established a uniform exposure limit of $50 \mu\text{g}/\text{m}^3$ (PEL) with an action level of $25 \mu\text{g}/\text{m}^3$. EnviroTech's solutions help mine operators control dust at its source, reducing airborne particulate levels and supporting compliance while improving operational efficiency.

Sustainability & ESG Benefits

EnviroTech's quarry and pit solutions directly support Environmental, Social, and Governance (ESG) priorities.

They help operators reduce PM_{10} and $\text{PM}_{2.5}$ emissions, protect workers from respirable dust, and improve air quality for surrounding communities. Less water use, fewer truck trips, and lower fuel consumption cut costs and emissions. With sustainable alternatives available, operators can meet compliance standards while demonstrating environmental stewardship and improving community relations.



TOTAL MINING SOLUTIONS

QUARRIES & GRAVEL PITS

FEATURED SOLUTIONS

CHLORIDES

ROADSAVER SERIES

Magnesium and Calcium Chloride brines that bind moisture and hold fines in place. Proven, cost-effective dust suppressants for open pits, stockpiles, and haul routes.

ENHANCED CHLORIDES

DURABLEND SERIES

Polymer-enhanced chloride blends that reduce total chloride use, extend application life, and deliver stronger surface integrity under heavy traffic.

ULTRA-LOW CHLORIDES

X-HESION PRO

A bio-based, ultra-low chloride option that provides sustainable dust suppression. Non-corrosive and USDA BioPreferred, ideal for equipment longevity and minimized environmental impact.

POLYMER & SYNTHETIC FLUID EMULSIONS

DURASYNTH EMULSION & BONDREADY-HAR SERIES

Long-lasting emulsions that form durable, flexible films. Effective on quarry roads, stockpile pads, and perimeter areas exposed to wind erosion.

WATER EXTENDERS

DUSTREADY SERIES

Additives that improve the efficiency of water trucks by slowing evaporation. Reduce the number of watering passes while keeping fines bound in hot, dry, or windy conditions.

The Results

With EnviroTech solutions, quarry and pit operators achieve stronger roads, fewer dust clouds, safer work environments, and lower operating costs. Every application preserves valuable material onsite, reduces rework, and supports compliance with air quality and stormwater regulations.

How EnviroTech Helps You Stay Compliant:

Our dust control solutions tackle the problem at its source, keeping fine particles bound in the road surface and out of the air. By significantly reducing airborne dust, especially PM₁₀ and PM_{2.5}, our products help mine operators:

- Maintain compliance with the new PEL and action level.
- Reduce the need for costly shutdowns and rework.
- Protect worker health and extend road life.

