

TCEQ Mechanical Sources

Current Best Available Control Technology (BACT) Guidelines

Bulk Material Handling

Source Type	Pollutant	Minimum Acceptable Control	Details
Material Handling	Particulate Matter (PM)	70% reduction	Transfer points, stockpiles – typically water sprays; Wet material (1.5% moisture minimum) 50% reduction; enclosure methods; dependent upon ratio of openings in enclosure 50-90%; fabric filter baghouses require 0.01 gr/dscf (99% reduction)
Coal Handling	PM	70% reduction	Storage pile load-in, stockpiles, and roads – typically water sprays
		85% reduction	Transfer points – typically foam and/or surfactant
		90% reduction	Receiving and unloading – typically foam sprays and enclosures
			Conveying – typically enclosed (50-90% reduction); chemical sprays (80 - 90% reduction); full enclosure (90+ %)
			Crushing – typically enclosed
			Screening – typically enclosed; partial enclosure + water sprays
95% reduction	Loading – typically chemical wetting + enclosure; chemical wetting + choke feeding; fabric filter on silo		