

TCEQ Mechanical Sources

Historical Best Available Control Technology (BACT) Requirements

Bulk Material Handling

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2008	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

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2008	Coal Handling	PM	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