

TCEQ Mechanical Sources

Current Best Available Control Technology (BACT) Guidelines

Concrete Batch Plants

This information is maintained by the Mechanical/Agricultural/Construction Section and is subject to change. Last update 08/2015.

Source Type	Pollutant	Minimum Acceptable Control	Details
Permanent Concrete Batch Plants	Particulate Matter (PM)	Outlet grain loading of 0.01 gr/dscf	Dry material storage silos – typically fabric filters
		70% reduction, aggregate material prewashed	All aggregate material handling
		70% reduction	Aggregate stockpiles – typically water spray systems
		99% reduction or 0.01 gr/dscf, suction shroud, minimum 4000 acfm	Central mixer and/or truck drop point emissions
		99% reduction or outlet grain loading of 0.01 gr/dscf	All dry material storage silo vents; weigh hopper vents. Typically fabric filters
Temporary Concrete Batch Plants	PM	99% reduction or outlet grain loading of 0.01 gr/dscf	All dry material storage silo vents; weigh hopper vents. Typically fabric filters
		70% reduction	All aggregate material washed prior to delivery
		70% reduction	Water sprays on all aggregate stockpiles and aggregate handling operations

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Source Type	Pollutant	Minimum Acceptable Control	Details
Temporary Concrete Batch Plants (continued)	PM (continued)	99% reduction or 0.01 gr/dscf, suction shroud, minimum 4,000 acfm	Central mixer and/or truck drop point emissions
		85% reduction	Water fog ring may be used at truck drop point if located a minimum of 300 feet from the nearest non-industrial receptor
Temporary and Permanent Concrete Batch Plants	PM	No visible emissions shall leave the property. Visible emissions shall be determined by a standard of no visible emissions exceeding 30 seconds in duration in any six-minute period as determined using EPA TM 22 or equivalent	From filter systems, mixer loading, batch truck loading, silo loading, engine/generator, transfer points on belt conveyors, material storage or feed bins, stockpiles, internal roads or work areas
	SO ₂	Maximum 0.3% sulfur content	Any liquid fuel used