TCEQ Mechanical Sources

Current Best Available Control Technology (BACT) Guidelines

Hot Mix Asphalt Plants (NSPS Subpart I)

Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
Asphalt Plant	Particulate Matter (PM)	Before July 10, 2007, all drum dryer filter systems shall meet at least a front half outlet grain loading of 0.02 grains per dry standard cubic foot (gr/dscf) and a combined (front half and back half) total outlet grain loading of 0.04 gr/dscf. On and after July 10, 2007, all drum dryer filter systems shall meet at least a front half outlet grain loading of 0.01 gr/dscf and a combined (front half and back half) total outlet grain loading of 0.04 gr/dscf.	Drum dryer (counterflow/parallel) - Typically fabric filter baghouses Filter system maximum combined (front and back half) total outlet grain loading Dryer maximum opacity 5% All point sources maximum opacity 5% Mechanism required to eliminate scorching when using recycled asphalt products (RAP)
		0.01 gr/dscf (combined front half and back half)	All lime or other bulk mineral storage silo control – typically fabric filters
		70% reduction; all aggregate materials prewashed	Material handling
	SO_2	Maximum 0.6% sulfur content any liquid fuel; or 5 grains for pipeline sweet natural gas	Fuel for drum dryer and hot oil heaters

Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
Asphalt Plant	Antimony	180 ppm	Reclaimed industrial oil; Shall meet all standards specified in 40 CFR Part 279, Standard for the Management of Used Oil
	Arsenic	3 ppm	
	Beryllium	1 ppm	
	Cadmium	2 ppm	
	Chromium	9 ppm	
	Mercury	37 ppm	
	Selenium	75 ppm	
	Thallium	37 ppm	
	Vanadium	18 ppm	
	Lead	100 ppm	
	Nickel	5 ppm	
	Total Halogens	1000 ppm	
	VOCs	0.032 lbs per ton of asphalt produced	Based on fuel used either natural gas, No. 2 fuel, or compliant used oil