

TCEQ Mechanical Sources

Current Best Available Control Technology (BACT) Guidelines

Asphalt Processing and Asphalt Roofing Manufacturing

Source Type	Pollutant	Minimum Acceptable Control	Details
Saturator	Particulate Matter (PM)	99% reduction, outlet grain loading ≤ 0.01 gr/dscf	Typically achieved with a baghouse
		0.04 kg/Mg of asphalt shingle or mineral-surfaced roll roofing	NSPS requirement
		0.40 kg/Mg of saturated felt or smooth-surfaced roll roofing	NSPS requirement
		Opacity $\leq 20\%$	
		No visible emissions from capture system	
Storage Silo and Material Handling	PM	99% reduction, outlet grain loading ≤ 0.01 gr/dscf	Typically achieved with a baghouse
		Opacity of 0% from storage tanks	
		Opacity $\leq 1\%$ from mineral handling and storage	
Blowing Still	PM	0.67 kg/Mg from still when catalyst is used	NSPS requirement
		0.71 kg/Mg from still when No. 6 fuel oil is fired in the afterburner and when a catalyst is used	NSPS requirement
		0.60 kg/Mg from still when catalyst is not used	NSPS requirement

Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
Blowing Still <i>(continued)</i>	PM <i>(continued)</i>	0.64 kg/Mg from still when No. 6 fuel oil is fired in the afterburner and when a catalyst is not used	NSPS requirement
		0% opacity (unless using fuel oil in the afterburner)	NSPS requirement