

TCEQ COATINGS SOURCES CURRENT BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINES

ABRASIVE BLASTING OPERATIONS

This information is maintained by the Combustion/Coatings Section and is subject to change. Last update 4/2010

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2010	Enclosed Abrasive Blasting	PM	Use of a fabric filter such as a baghouse or cartridge filter system.	Outlet grain loading of ≤ 0.01 grains/dry standard cubic foot or an efficiency of at least 99.9%. Air to cloth ratio should be based on manufacturers recommendations for the solids being controlled and the fabric filter cleaning method used.
			Storage of new abrasive blast media in bags, sacks or bulk storage in enclosed buildings, hoppers or silos. Silos should be equipped with a fabric filter such as a baghouse or cartridge filter system. Storage of waste materials in closed containers or in covered piles prior to disposal offsite.	Outlet grain loading of ≤ 0.01 grains/dry standard cubic foot or an efficiency of at least 99.9%. Air to cloth ratio should be based on manufacturers recommendations for the solids being controlled and the fabric filter cleaning method used.
			Good housekeeping for spills	
	Outdoor Abrasive Blasting	PM	Use of low dusting abrasives	Coal slag, copper slag, nickel slag, steel grit, steel shot or other media with a free silica content of less than 1.0%
			Use of shroud is highly recommended to meet state/federal PM standards and effects review.	Shroud material shade factor should be 85% or greater
			Storage of new abrasive blast media in bags, sacks or bulk storage in enclosed buildings, hoppers or silos. Silos should be equipped with a fabric filter such as a baghouse or cartridge filter system. Storage of waste materials in closed containers or in covered piles prior to disposal offsite.	Outlet grain loading of ≤ 0.01 grains/dry standard cubic foot or an efficiency of at least 99.9%. Air to cloth ratio should be based on manufacturers recommendations for the solids being controlled and the fabric filter cleaning method used.
		Good housekeeping for spills		