

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

### COATING MANUFACTURING 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
2007	Storage Tanks	VOC and Exempt Solvent	White fixed roof storage tanks. Submerged fill pipes required for tanks over 1000 gallon capacity for contents with a true vapor pressure at storage conditions $\geq$ 1.5 psia. Vapor balanced loading may also be required to achieve acceptable off property impacts.	Submerged fill pipe must meet the requirements specified in 30 TAC §101.1(96). Vapor balanced loading should reduce emissions by at least 95% when using leak tested trucks.
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.	
	Process Piping	VOC and Exempt Solvent	The use of hard piping to the greatest extent practicable to eliminate manual transfers of materials. Allowances may be made for small specialty batches.	There shall be no leaks as determined by visual, audible or olfactory inspections.
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.	
	Mixers/Dispensers/ Sand Mills	VOC and Exempt Solvent	Units with a capacity $\leq$ 200 gallons should have a local exhaust system in use during charging. A cover with a minimum clearance for the shaft should be in place during mixing operations except of the addition of materials and sample removal.	Permanent or temporary covers should be in good repair at all times and free from cracks, holes, and should maintain contact with the rim of the vessel.
			Units with a capacity of $\geq$ 200 gallons should have a dedicated exhaust system in use during charging and mixing. A permanent tightly fitting cover with a minimum clearance for the shaft should be in place during charging and mixing.	Permanent covers should be in good repair at all times and free from cracks, holes, or other defects. All seals on access ports and hatches must be in good repair.
		Sand mills should be totally enclosed		
		Minimize the amount of cleaning solvent used and reuse or recycle solvent.	Waste coatings and cleaning solvents should be captured and placed in closed containers or storage tanks until used in a subsequent batch, recycled or removed from the site.	
		Good housekeeping for spills. Use of VOC and exempt solvent emission controls (case-by-case review)	Efficiency of thermal control devices is 98% or greater	
		PM	The use of a fabric filter such as a baghouse or cartridge filter system for all units.	Outlet grain loading of $\leq$ 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.
	Letdown Tanks	VOC and Exempt Solvent	Tanks should be covered and sampling ports and hatches should be kept closed except for removal of samples and addition of materials.	Permanent covers should be in good repair at all times and free from cracks, holes, or other defects. All seals on access ports and hatches must be in good repair.
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.	
	Product Packaging	VOC and Exempt Solvent	Packaging operations should have a local exhaust system in use during container filling.	
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.	