

**TCEQ Coatings Sources**

**Current Best Available Control Technology (BACT) Guidelines**

**Coating and Ink Manufacturing**

**This information is maintained by the Combustion/Coatings Section and is subject to change. Last update 05/2015.**

<b>Year</b>	<b>Source Type</b>	<b>Pollutant</b>	<b>Minimum Acceptable Control</b>	<b>Control Efficiency or Details</b>
2015	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 HHHHHH or Subpart CCCCCC.	
	Process Piping	VOC and Exempt Solvent	The use of hard 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.
	Mixers/ Dispersers/ Sand Mills	VOC and Exempt Solvent	Units with a capacity of $\leq 200$ 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.	

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2015	Mixers/ Dispensers/ Sand Mills	VOC and Exempt Solvent	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.	
		Collecting and venting VOC and exempt solvent to an add-on control device may be required if the combined VOC and exempt solvent emissions in total are greater than 60 tpy (site-wide).	Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.	
		Particulate matter including PM, PM <sub>10</sub> and PM <sub>2.5</sub>	The use of a fabric filter such as a baghouse or cartridge filter system for all units.	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.	
	HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.		
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.	

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2015	Letdown Tanks	VOC and Exempt Solvent	Good housekeeping for spills.	
		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.	
			Good housekeeping for spills.	
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart HHHHH or Subpart CCCCCC.	