

**TCEQ Coatings Sources
Current Best Available Control Technology (BACT) Guidelines
Planned Maintenance, Startup, and Shutdown**

Painting Operations

The information is maintained by the Combustion/Coatings Section and is subject to change. Last update 9/12.

Year	Source Type	Pollutant	Planned MSS Activity	Minimum Acceptable Control	Control Efficiency or Details
2012	Enclosed Painting	VOC and Exempt Solvent	Process operating with thermal control device bypassed for maintenance on the thermal control device.	Limiting process operation while the control device is down for maintenance to less than 120 hours per year in total.	Impacts for criteria pollutants and individual species must be acceptable during control device bypass.
			Thermal control device startup and shutdown.	Venting ductwork and control device to atmosphere to eliminate explosive atmospheres prior to start of control device operation. Control device shall be in normal operation and at the appropriate temperature prior to start of process operation. Control device shall remain in normal operation at least 30 minutes after the completion of the painting operation before shutdown.	Minimize the duration of the control device startup and shutdown consistent with good operating practices. Emissions from the combustion of natural gas and the waste stream shall be based on full firing rates for natural gas and maximum solvent loading from the painting operation.
			Line flushing for application systems with a central coating distribution system.	Collecting as much VOC and exempt solvent as practicable in containers.	Waste coatings and solvents are stored in closed containers until removal from the site or sent to a solvent recovery system at the site.
			Coating application equipment cleanup.	Capture of application equipment cleanup solvents and limit solvent usage through a site-specific	Activity should already be authorized in the permit. Waste coatings and solvents are stored in closed containers until removal from the site

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				solvent management plan.	or sent to a solvent recovery system at the site.
			Fugitive component repair, replacement; leaks - piping, pumps, valves, flanges, etc.	Audio, visible and olfactory (AVO) inspection and maintenance plan with walk through to identify leaking components and repair of leaks as soon as practicable. Good housekeeping for spills.	Identify leaking components on inspection record with repairs completed as soon as practicable or within 15 days. Purging of piping and components to remove as much liquid as practicable before repairs or replacements are initiated. Liquids from leaks and absorbent materials are stored in closed containers until removal from the site or sent to a solvent recovery system at the site.
			Cleanup of overspray from surfaces using solvents.	Capture of cleaning solvents when practicable and limit solvent usage through a site-specific solvent management plan.	Solvents are stored in closed containers until removal from the site or sent to a solvent recovery system at the site.
		Particulate matter including PM, PM ₁₀ and PM _{2.5}	Booth filter pad replacement.	Removal of spent filters in such a manner to minimize PM emissions and placing the spent filters in sealable bags or other sealable containers prior to removal from the site.	Bags or containers shall be kept closed at all times except for the addition of additional spent filters.
			Water wash system maintenance.	Sludge is stored in closed containers until removal from the site	
			Cleanup of overspray from surfaces using mechanical methods.	Removal of overspray in such a manner to minimize PM emissions and placing the waste in sealable bags or other sealable containers prior to removal from the site.	Bags or containers shall be kept closed at all times except for the addition of additional waste.
	Non-enclosed	VOC and Exempt	Coating application	Capture of application	Activity should already be authorized

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	Painting	Solvent	equipment cleanup.	equipment cleanup solvents and limit solvent usage through a site-specific solvent management plan.	in the permit. Waste coatings and solvents are stored in closed containers until removal from the site or sent to a solvent recovery system at the site.