

TCEQ Coatings Sources

Historical Best Available Control Technology (BACT) Requirements

Painting and Surface Coating Operations

This information is maintained by the Mechanical/Coatings Section and is subject to change. Last update 9/2018.

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2008	Enclosed Painting	VOC	Use high transfer efficiency application equipment.	Airless, air assisted airless, electrostatic, high volume low pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.
			Use high solids, water-based, low-VOC coatings and/or Reg V (30 TAC Chapter 115) compliant coatings.	
			Collecting and venting VOC to an add-on control device may be required for manned and automated painting operations with VOC emissions of greater than 80 tpy and 40 tpy, respectively.	For thermal control devices, destruction efficiency (DE) must be at least 95%. For carbon adsorption units and catalytic oxidizers, DE must be at least 90%.
			For all sources:	
			Capture of application equipment cleanup solvents.	
			Good housekeeping for spills.	
			Storage of waste materials in closed containers	
		PM	Use dry or water wash filters.	Control efficiency of 95% or greater.
			Use high transfer efficiency application equipment.	Airless, air assisted airless, electrostatic, high volume low pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2008	Outdoor Painting	VOC and PM	Use high solids, water-based, low-VOC coatings and/or Reg V (30 TAC Chapter 115) compliant coatings.	
			Use high transfer efficiency application equipment.	Airless, air assisted airless, electrostatic, high volume low pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.
			Capture of application equipment cleanup solvents.	
			Good housekeeping for spills.	
			Storage of waste materials in closed containers	