

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

PRINTING 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	Offset/Non-heatset	VOC	Use low VOC blanket wash.	
			Use low VOC (alcohol substitutes) fountain solutions.	May use alcohols with a molecular weight above 74.12 and other VOCs. See 30 TAC §115.442(1) (A)-(E)
			Use low VOC cleaning materials.	See 30 TAC §115.442(1)(F)
			Implementation of a soiled shop towel management system	A soiled shop towel management system should consist of placing soiled shop towels in resealable bags or the placement of the soiled shop towels in closed containers that are located near the process equipment or workstations.
			Good housekeeping for spills.	
			Limiting amount of solvent dispensed to employees through a site-specific solvent management plan	
			Storage of fresh and waste materials in closed containers until recycled or removed from the site.	
		HAPs	Same as VOC	Same as VOC
	Heatset	VOC	Collecting and venting ink oil emissions (VOC) to an add-on control device for operations with VOC emissions of 25 tpy or more.	Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.
			Use low VOC blanket wash.	
			Use low VOC (alcohol substitutes) fountain solutions.	May use alcohols with a molecular weight above 74.12 and other VOCs. See 30 TAC 115.442(1) (A)-(E)
			Use low VOC cleaning materials.	See 30 TAC 115.442(1)(F)
			Implementation of a soiled shop towel management system	A soiled shop towel management system should consist of placing soiled shop towels in resealable bags or the placement of the soiled shop towels in closed containers that are located near the process equipment or workstations.
			Good housekeeping for spills.	
			Limiting amount of solvent dispensed to employees	
			Storage of fresh and waste materials in closed containers until recycled or removed from the site.	
		HAPs	Same as VOC	Same as VOC
	Flexographic	VOC	Use water-based (low VOC) or high solids inks.	Inks must meet the requirements of 30 TAC 115.432.
Collecting and venting VOC to an add-on control device may be required for flexographic operations with VOC emissions greater than 40 tpy.			Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.	
Use low VOC cleaning materials.				
Implementation of a soiled shop towel management system			A soiled shop towel management system should consist of placing soiled shop towels in resealable bags or the placement of the soiled shop towels in closed containers that are located near the process equipment or workstations.	
Good housekeeping for spills.				
Limiting amount of solvent dispensed to employees through a site-specific solvent management plan				
		Storage of fresh and waste materials in closed containers until recycled or removed from the site.		
	HAPs	For all major sources of specified HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart KK.		
Rotogravure	VOC	Use water-based (low VOC) or high solids inks.	Inks must meet the requirements of 30 TAC §115.432.	
		Collecting and venting ink emissions to an add-on control device.	Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.	
		Use low VOC cleaning materials.		
		Implementation of a soiled shop towel management system	A soiled shop towel management system should consist of placing soiled shop towels in resealable bags or the placement of the soiled shop towels in closed containers that are located near the process equipment or workstations.	
		Good housekeeping for spills.		
		Limiting amount of solvent dispensed to employees through a site-specific solvent management plan		
		Storage of fresh and waste materials in closed containers until recycled or removed from the site.		
	HAPs	For all major sources of specified HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart KK.		