BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Best Available Control Technology (BACT) Guideline

Source Category

Source:	***Lithographic or Offset Printing - Heatset***	Revision:	***4***
		Document #:	***110.1.1***
Class:	***All***	Date:	***08/24/98***

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. *Low VOC fountain solution (≤6% by vol.); and automatic blanket & roller wash w/ solvent capture & recycle; and cleanup solvents w/ ≤2.5 lb VOC/gal or VOC vapor pressure ≤5 mm Hg; and kerosene-like oil based inks. If cost-effective, capture and vent VOC to afterburner or carbon adsorption system w/ ≥98.5% destruction/recovery device efficiency; or VOC outlet ≤10 ppmv*[a,b,T] 2. *Low VOC fountain solution (≤8% by vol.); and minimum possible VOC blanket wash & roller & tray washes; and cleanup solvents w/ ≤7.5 lb VOC/gal and VOC vapor pressure ≤25 mm Hg or ≤30% by vol. VOC; and kerosene-like oil based inks*[a,T]	1. *Low VOC Coatings and Solvents; or BAAQMD Approved Collection System and Abatement Device*[a,b,T] 2. *Low VOC Coatings and Solvents*[a,T]
NOx	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
SO_2	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
CO	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
PM_{10}	1. *Oven venting to an afterburner (≥0.3 sec. retention time at ≥1400°F) w/ overall capture/ destruction efficiency ≥90%*[a] 2. Compliance w/Reg. 6, Visible Emissions[a]	1. *BAAQMD Approved Design and Operation*[a] 2. *Good Operating Practice*[a]

NPOC	1. *No or low NPOC solutions/washes and kerosene-like oil based inks, or approved abatement system, as for POC above*[a,b,T] 2. *Low NPOC solutions/washes and kerosene-like oil based inks as for POC above*[a,T]	1. *Low or no NPOC Coatings and Solvents; or BAAQMD Approved Abatement System*[a,b,T] 2. *Low NPOC Coatings and Solvents*[a,T]

References

a. BAAQMD
b. For abatement devices, the following are acceptable; ≤10 ppmv at outlet; or ≥98.5% destruction/recovery efficiency if inlet VOC ≥2000 ppmv; or ≥97% efficiency if inlet VOC ≥200 to <2000 ppmv; or ≥90% efficiency if inlet VOC <200 ppmv.
T. TBACT