

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

Source Category

Source:	<i>Flexographic Printing Line</i>	Revision:	2
		Document #:	83.1
Class:	<i>All</i>	Date:	06/20/95

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. Water reducible inks w/ <1 lb VOC/gal of coating and no VOC clean-up solvents. If cost-effective, capture and vent VOC to afterburner or carbon adsorption sytem w/ $\geq 98.5\%$ destruction/recovery device efficiency, or VOC outlet ≤ 10 ppmv ^{a,b,T} 2. Water reducible inks w/ either: <1.5 lb VOC/gal coating or <10% by volume VOC; and no VOC clean-up solvnets ^{a,T}	1. Low VOC Coatings and no VOC clean-up solvents; or BAAQMD approved Collection System and Abatement Device ^{a,b,T} 2. Low VOC Coatings and no VOC clean-up 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. n/a 2. n/a	1. n/a 2. n/a
NPOC	1. Same as for POC above ^{a,b,T} 2. Same as for POC above ^{a,b,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 $\geq 98.5\%$ destruction/recovery efficiency if inlet VOC ≥ 2000 ppmv; or $\geq 97\%$ efficiency if inlet VOC ≥ 200 to < 2000 ppmv; or $\geq 90\%$ efficiency if inlet VOC < 200 ppmv.

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