

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

Source Category

Source:	<i>Polyester Resin Operations - Hand and Spray Layup</i>	Revision:	2
Class:	All	Document #:	129.2.1
		Date:	9/27/06

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. Enclosure of operation and vent to an afterburner (≥ 0.3 sec. retention time at $\geq 1400^{\circ}\text{F}$) or an activated carbon adsorption system (≤ 6 ppm at outlet) ^{b,c} 2. Compliance w/ BAAQMD Reg. 8, Rule 50, use of polyester resin material with a monomer content of no greater than 34 percent by weight and use of aqueous emulsion cleaner or acetone for clean-up to maximum extent possible ^d	1. BAAQMD Approved Design and Operation ^b 2. BAAQMD Approved Design and Operation ^d
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. Enclosure of operation and vent to an afterburner (≥ 0.3 sec. retention time at $\geq 1400^{\circ}\text{F}$) ^{b,c} 2. Airless spray equipment and spray booth w/ mesh type filters ^b	1. BAAQMD Approved Design and Operation ^b 2. BAAQMD Approved Design and Operation ^b
NPOC	1. n/d 2. n/d	1. n/d 2. n/d

References

- b. BAAQMD
- c. Afterburner not appropriate with halogenated hydrocarbons
- d. BAAQMD Permit Application #12563