

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

**Source Category**

<b>Source:</b>	<i>Polyester Resin Operations - Panel Manufacturing</i>	<b>Revision:</b>	<i>1</i>
		<b>Document #:</b>	<i>129.3.1</i>
<b>Class:</b>	<i>All</i>	<b>Date:</b>	<i>10/25/91</i>

**Determination**

<b>POLLUTANT</b>	<b>BACT</b> 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	<b>TYPICAL TECHNOLOGY</b>
<b>POC</b>	1. Curing oven, impregnation tables, mixing tanks, storage tanks, and holding tanks all vented to an afterburner ( $\geq 0.3$ sec. retention time at $\geq 1400^{\circ}\text{F}$ ); or Low styrene resin and water based or aqueous, non-volatile organic compound cleaning solvent vented to an activated carbon adsorption system ( $< 6$ ppm at outlet) <sup>a,b,c</sup> 2. Curing oven, impregnation tables, and mixing tanks all vented to an afterburner ( $\geq 0.3$ sec. retention time at $\geq 1400^{\circ}\text{F}$ ); storage and holding tanks vented to an activated carbon adsorption system ( $< 6$ ppm at outlet) <sup>a,b,c</sup>	1. BAAQMD Approved Design and Operation <sup>b</sup>  2. BAAQMD Approved Design and Operation <sup>b</sup>
<b>NO<sub>x</sub></b>	1. n/d 2. Natural gas fired curing oven; electrically heated cellophane oven and laminating table <sup>a</sup>	1. n/d 2. BAAQMD Approved Design and Operation <sup>b</sup>
<b>SO<sub>2</sub></b>	1. n/d 2. Natural gas firing <sup>a</sup>	1. n/d 2. BAAQMD Approved Design and Operation <sup>b</sup>
<b>CO</b>	1. n/d 2. Natural gas firing <sup>a</sup>	1. n/d 2. BAAQMD Approved Design and Operation <sup>b</sup>
<b>PM<sub>10</sub></b>	1. Natural gas fired curing ovens, cellophane ovens vented to an afterburner ( $\geq 0.3$ sec. retention time at $\geq 1400^{\circ}\text{F}$ ); and panel cutting saw vented to a baghouse w/ $\leq 0.01$ gr/dscf <sup>a,b</sup> 2. Natural gas fired curing ovens, cellophane ovens vented to an electrostatic precipitator; and panel cutting saw vented to a baghouse w/	1. BAAQMD Approved Design and Operation <sup>b</sup>  2. BAAQMD Approved Design and Operation <sup>b</sup>

	$\leq 0.01 \text{ gr/dscf}^{a,b}$	
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

### ***References***

<p>a. SCAQMD Guideline</p> <p>b. BAAQMD</p> <p>c. Afterburner may not be appropriate with halogenated hydrocarbons</p>
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