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

Source Category

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

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. *Curing oven, impregnation tables, mixing tanks, storage tanks, and holding tanks all vented to an afterburner (≥0.3 sec. retention time at ≥1400^{o}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)*[a,b,c] 2. *Curing oven, impregnation tables, and mixing tanks all vented to an afterburner (≥0.3 sec. retention time at ≥1400^{o}F); storage and holding tanks vented to an activated carbon adsorption system (<6 ppm at outlet)*[a,b,c]	1. *BAAQMD Approved Design and Operation*[b] 2. *BAAQMD Approved Design and Operation*[b]
NOx	1. *n/d* 2. *Natural gas fired curing oven; electrically heated cellophane oven and laminating table*[a]	1. *n/d* 2. *BAAQMD Approved Design and Operation*[b]
SO_2	1. *n/d* 2. *Natural gas firing*[a]	1. *n/d* 2. *BAAQMD Approved Design and Operation*[b]
CO	1. *n/d* 2. *Natural gas firing*[a]	1. *n/d* 2. *BAAQMD Approved Design and Operation*[b]
PM_{10}	1. *Natural gas fired curing ovens, cellophane ovens vented to an afterburner (≥0.3 sec. retention time at ≥1400^{o}F); and panel cutting saw vented to a baghouse w/ ≤0.01 gr/dscf*[a,b] 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*[b] 2. *BAAQMD Approved Design and Operation*[b]

	≤0.01 gr/dscf[a,b]	
NPOC	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*

References

a. SCAQMD Guideline
b. BAAQMD
c. Afterburner may not be appropriate with halogenated hydrocarbons