
Section I: LAER/BACT Determination for Application No. 324505

Basic Equipment or Process: Spray Booth

1. Basic Equipment

1a. Manufacturer: Dial-a-Temp	1b. Type: Dry Filter
1c. Model: Custom	1d. Style: Floor
1e. <u>Types(s) of Parts Coated</u>	1f. <u>Types of Coating/Adhesive/Solvent Used</u>
Skylight domes (fiberglass)	Polyester resin & gelcoat
1g. <u>Applicable AQMD Regulation XI Rules</u>	1h. <u>Cost</u>
Rule 1162 - Polyester Resin Operations	Unknown

Rule 1171 - Solvent Cleaning Operations Source of Cost Data:

2. Basic Equipment Rating/Size – Particulate Equipment

2a. <u>Size/Dimension/Capacity</u>	2b. <u>Blowers</u>
1 - 10' W. x 2' D. x 8' H.	1 - 1@ 2 HP
2 - 10' W. x 2' D. x 8' H.	2 - 1@ 2 HP
3 - 10' W. x 2' D. x 8' H.	3 - 1@ 2 HP
4 - 10'-4" W. x 10'-10" D. x 8'-5" H.	4 - 1@ 2 HP
2c. Total Flow Rate: 17000	2d. <u>Filters</u>
	1 - 36@ 20" x 20"
	2 - 36@ 20" x 20"
	3 - 30@ 20" x 20"
	4 - 24@ 20" x 20"

2e. Normal Operating Condition

24 hrs/day, 7 days/wk, 52 wks/yr

3. Company Information

3a. Name: Bristol Fiberlite Industries	3b. Address: 401 E Goetz Ave
	City: Santa Ana
	State: CA
	Zip: 92707
3c. Contact Person: Richard Coury, Operations	3d. Phone No.: (714)540-8966 x275

Mgr.

4. Permit Information

4a. Agency

South Coast AQMD

4c. Phone No: (909) 396-2555

4e. Start-Up Date: 3/98

4b. Agency Contact Person

Desh Jain

4d. Permit to Construct Information

P/C No.: 324505

Issuance Date: 5-28-97

4f. Permit to Operate Information

P/O No. pending

Issuance Date:

5. Emission Information	
5a. Permit Limit	5a2. <u>BACT/LAER Determination</u>
5a1. <u>Permit Limit</u> 264 lb/day VOC after control	The BACT/LAER determination for this application is a combination of a concentrator and a thermal oxidizer
5b. Control Technology	
5b1. <u>Manufacturer/Supplier</u> Ship & Shore	
5b2. Description: Name of Control(s): Three resin spray stations and one gel coat spray station are vented to the rotary carbon adsorber concentrator (11,400 pounds of carbon). The thermal oxidizer has a 1.6 MM Btu/hr natural gas fired burner. The carbon is regenerated by steam, supplied by a waste heat boiler.	
5b3. <u>Control Equipment Permit Application Data</u>	5b4. <u>Waste Air Flow to Control Equipment</u>
P/C No. : 324505 P/C Issuance Date: 5/28/97 P/O No.: pending P/O Issuance Date:	Flow Rate: 17000 Actual VOC Loading: Inlet Blower: 60 H.P.
5b5. <u>Warranty</u> Unknown	5b6. <u>Primary Pollutant</u> VOC
5b7. <u>Secondary Pollutant</u> NOx 0.2 lb/hr, CO 0.05 lb/hr	5b8. <u>Space Requirement</u> Unknown

<p>5b9. <u>Limitations</u></p> <p>5b11. <u>Operating History</u> Operating since 3/98</p> <p>5b13. <u>Source Test Conditions/Performance Data</u> Report is under review by AQMD (Source Testing Team).</p>	<p>5b10. <u>Location of Prior Demonstration & Agency</u> Facility: Unknown Contact Person: Unknown Phone Number: Unknown Agency: Unknown</p> <p>Address: Unknown Permit Number: Unknown Contact Person: Unknown</p> <p>5b12. <u>Source Test/Performance Data Analysis</u> Date of Source Test: Capture Efficiency: Destruction Efficiency: Overall Efficiency:</p> <p>Performance Data: Report is being review by Source Testing team.</p>
<p>5c. Cost</p> <p>5c1. <u>Control Equipment Cost</u> Capital: \$463,750 Installation: Unknown Capital + Installation: Unknown Source of Cost Data:</p>	<p>5c2. <u>Annual Operational/Maintenance Cost</u> Unknown Source of Cost Data:</p>
<p>5d. <u>Demonstration of Compliance</u></p> <p>5d1. <u>Date of Field Evaluation</u></p> <p>5d3. <u>Compliance Demonstration</u></p> <p>5d5. <u>No. of Violations</u></p>	<p>5d2. <u>AQMD Staff Performing Field Evaluation</u> Engineer's Name: Desh Jain Inspector's Name: Marian Coleman</p> <p>5d4. <u>Variance</u> No. of Variances: Causes:</p> <p>5d6. <u>Frequency of Maintenance</u></p>
<p>6. Comment</p>	