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**Section I: LAER/BACT Determination for Application No. 298582**

**Basic Equipment or Process: Spray Booth**

**1. Basic Equipment**

- 1a. Manufacturer: Spray King, Econo, Industrial Systems      1b. Type: Dry Filter
- 1c. Model: Not Applicable      1d. Style: 4-Open Faced Floor Type
- 1e. Types(s) of Parts Coated      1f. Types of Coating/Adhesive/Solvent Used
- Aerospace Fasteners      High VOC Aerospace Fastener
- 1g. Applicable AQMD Regulation XI Rules      1h. Cost
- Rule 1124 – Aerospace Assembly and Component Manufacturing Operations      Unknown
- Source of Cost Data:

**2. Basic Equipment Rating/Size – Particulate Equipment**

- 2a. Size/Dimension/Capacity      2b. Blowers
- 1-4'-0" W. x 3'-0" L. x 8'-0" H.      1-50 H.P. venting all booths and 3 bake ovens
- 1-8'-4" W. x 7'-5" L. x 7'-9" H.
- 1-6'-6" W. x 6'-3" L. x 7'-3" H.
- 1-6'-0" W. x 7'-6" L. x 7'-0" H.
- 2c. Total Flow Rate: 6000      2d. Filters
- 2-Booths with 12-20" x 20" Filters each
- 1-Booth with 8-20" x 20" Filters each
- 1-Booth with 6 external and 8 internal-20" x 20" Filters each
- 2e. Normal Operating Condition

8 hr/day, 5 day/wk

**3. Company Information**

- 3a. Name: Huck International – Deutsch Operations
- 3b. Address: 3940 Paramount Blvd.
- City: Lakewood
- State: CA

3c. Contact Person: Kieth Petis

Zip: 90712

3d. Phone No.: (714) 855-9000

**4. Permit Information**

4a. Agency

4b. Agency Contact Person

South Coast AQMD

Rene Loof

4c. Phone No: (909) 396-2544

4d. Permit to Construct Information

P/C No.: 298582

Issuance Date: 3/95

4e. Start-Up Date: 4/95

4f. Permit to Operate Information

P/O No. D96728

Issuance Date: 2/29/96

<b>5. Emission Information</b>	
<b>5a. Permit Limit</b>	<b>5a2. <u>BACT/LAER Determination</u></b>
<b>5a1. <u>Permit Limit</u></b> VOC: 59 lb/day	The BACT/LAER determination for this application is a thermal oxidizer.
<b>5b. Control Technology</b>	
<b>5b1. <u>Manufacturer/Supplier</u></b> Tellkamp Systems 15520 Cornet Avenue Santa Fe Springs, CA 90670 (562) 802-1621	
<b>5b2. Description: Name of Control(s):</b> See discussion on Description of Control Technology for P/C No. 272587 in Section II of the BACT Guidelines	
<b>5b3. <u>Control Equipment Permit Application Data</u></b> P/C No. : Not Applicable P/C Issuance Date: P/O No.: Not Applicable P/O Issuance Date:	<b>5b4. <u>Waste Air Flow to Control Equipment</u></b> Flow Rate: 6000 Actual VOC Loading: 627 Inlet Blower: 1-50H.P.
<b>5b5. <u>Warranty</u></b> Unknown	<b>5b6. <u>Primary Pollutant</u></b> See the discussion on Primary Pollutants for P/C

<p><b>5b7. <u>Secondary Pollutant</u></b></p> <p>See the discussion on Secondary Pollutants for P/C 273236 in Section I of the BACT Guidelines.</p> <p><b>5b9. <u>Limitations</u></b></p> <p>See the discussion on Limitations for P/C 273236 in Section I of the BACT Guidelines.</p> <p><b>5b11. <u>Operating History</u></b></p> <p>Operating since April of 1995.</p> <p><b>5b13. <u>Source Test Conditions/Performance Data</u></b></p> <p>The source test was performed at the following conditions:</p> <p>Inlet flow rate: 8,495 dscfm</p> <p>Increased facial velocity to 100 fpm by blocking some filters in Booths 1 and 2.</p>	<p>273236 in Section I of the BACT Guidelines.</p> <p><b>5b8. <u>Space Requirement</u></b></p> <p>500 square feet</p> <p><b>5b10. <u>Location of Prior Demonstration &amp; Agency</u></b>  Facility: Unknown Contact Person: Unknown  Phone Number: Unknown Agency: Unknown</p> <p>Address: Unknown Permit Number: Unknown  Contact Person: Unknown</p> <p><b>5b12. <u>Source Test/Performance Data Analysis</u></b></p> <p>Date of Source Test: 10/2/95  Capture Efficiency: 92.41%  Destruction Efficiency: 98.10%  Overall Efficiency: 90.60%</p>
<p><b>5c. <u>Cost</u></b></p> <p><b>5c1. <u>Control Equipment Cost</u></b></p> <p>Capital: Unknown</p> <p>Installation: Unknown</p> <p>Capital + Installation: \$289,000</p> <p>Source of Cost Data:</p>	<p><b>5c2. <u>Annual Operational/Maintenance Cost</u></b></p> <p>Unknown</p> <p>Source of Cost Data:</p>
<p><b>5d. <u>Demonstration of Compliance</u></b></p> <p><b>5d1. <u>Date of Field Evaluation</u></b></p> <p>10/2/95</p> <p><b>5d3. <u>Compliance Demonstration</u></b></p> <p>See the discussions on Performance Tests and Performance Test Load in Items (5b12) and (5b13)</p> <p><b>5d5. <u>No. of Violations</u></b></p> <p>None</p>	<p><b>5d2. <u>AQMD Staff Performing Field Evaluation</u></b></p> <p>Engineer's Name: Rene Loof</p> <p>Inspector's Name:</p> <p><b>5d4. <u>Variance</u></b></p> <p>No. of Variances: 0</p> <p>Causes:</p> <p><b>5d6. <u>Frequency of Maintenance</u></b></p> <p>Not Known</p>

**6. Comment**

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