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**Section I: LAER/BACT Determination for P/C No. 299578**

**Basic Equipment or Process: Vapor Degreasers - Batch**

**1. Basic Equipment**

1a. Manufacturer: Baron Blakeslee

1b. Type: Airless Vapor Degreaser

1c. Model: NZE-2430H

1d. Style: Evacuated Cleaning Chamber

1e. Types(s) of Parts Cleaned

1f. Types of Solvent Used

Valves and Hydraulics

PERC

1g. Applicable AQMD Regulation XI Rules

1h. Types of Soil Removed From Parts

Rule 1122 – Solvent Degreaser

Particles, oil, fingerprints, and other contaminants

1i. Cost

\$130,00

Source of Cost Data:

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

2a. Size/Dimension/Capacity

2b. Load

7.7 cubic feet

50 lb per load

2c. Normal Operating Condition/Schedule

8 hr/day, 5 day/wk

**3. Company Information**

3a. Name: Vickers Inc., Sterers Division

3b. Address: 4690 Colorado Blvd

City: Los Angeles

State: CA

Zip: 90039

3c. Contact Person: Patrick McGuirl

3d. Phone No.: (818) 409-1547

**4. Permit Information**

4a. Agency

4b. Agency Contact Person

South Coast AQMD

Bill Milner

4c. Phone No: (909) 396-2553

4d. Permit to Construct Information

P/C No.: 299578

Issuance Date: 5/15/95

4e. Start-Up Date: 10/1/97

4f. Permit to Operate Information

<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> PERC: 3 gal/month 40 lb/month 25 ppm at the out of carbon bed	The BACT/LAER determination for this degreasing operation is an airless vapor degreaser. The permit limit shown in Item (5a1) is the maximum allowable PERC mass emission rate and concentrations from the degreasing operation. A continuous emissions monitoring at the outlet of the carbon bed record concentrations of PERC. (See Item 6 - Comment)
<b>5b. Control Technology</b>	
<b>5b1. <u>Manufacturer/Supplier</u></b>	
Baron Blakeslee 1905 Mines Road Pulaski, TN 38478 (800) 548-4422	
<b>5b2. Description: Name of Control(s):</b>	
See discussion on Description of Control Technology for P/C No. 296689 in Section I of the BACT Guidelines.	
<b>5b3. <u>Control Equipment Permit Application Data</u></b>	<b>5b4. <u>Waste Air Flow to Control Equipment</u></b>
P/C No.: Same as Basic Equip P/C Issuance Date: P/O No.: Same as Basic Equip P/O Issuance Date:	Flow Rate: 7.7 ft <sup>3</sup> /evacuation Actual VOC Loading: 0 Inlet Blower: Not Applicable
<b>5b5. <u>Warranty</u></b>	<b>5b6. <u>Primary Pollutant</u></b>
Unknown	This airless vapor degreaser emits perchloroethylene (PERC). PERC is classified as hazardous air pollutant (HAP) and an exempt solvent under AQMD Rule 102 – Definition of Terms.
<b>5b7. <u>Secondary Pollutant</u></b>	<b>5b8. <u>Space Requirement</u></b>
None	
<b>5b9. <u>Limitations</u></b>	
There are no known limitations to airless vapor	

degreasers at this time.

**5b11. Operating History**

Operating Since October 1997

**5b13. Source Test Conditions/Performance Data**

The performance data were recorded during normal loading conditions of the vapor degreaser (15 min/cycle and 15-20 cycles per day).

300 square feet

**5b10. Location of Prior Demonstration & Agency Facility:** Not Known  
**Contact Person:** Phone Number: Agency:

**Address:** Permit Number: Contact Person:

**5b12. Source Test/Performance Data Analysis**

Date of Source Test:  
Capture Efficiency:  
Destruction Efficiency:  
Overall Efficiency:

Performance Data: The performance of the airless vapor degreaser is reflected in the make-up solvent logs and disposal records obtained from Vickers Inc. in 1998. These data demonstrated that PERC emissions are less than 40 lb per month. AQMD's staff verified these data on February 26, 1998.

**5c. Cost**

**5c1. Control Equipment Cost**

Capital: Unknown

Installation: Unknown

Capital + Installation: \$130,000

Source of Cost Data:

**5c2. Annual Operational/Maintenance Cost**

Not Known

Source of Cost Data:

**5d. Demonstration of Compliance**

**5d1. Date of Field Evaluation**

2/26/98

**5d3. Compliance Demonstration**

By SCAQMD Rule 109 Records and Waste Manifests

**5d5. No. of Violations**

None

**5d2. AQMD Staff Performing Field Evaluation**

Engineer's Name: Xuan Vu

Inspector's Name:

**5d4. Variance**

No. of Variances: None

Causes: Not Applicable

**5d6. Frequency of Maintenance**

Unknown

**6. Comment**

1. At the time of this BACT/LAER determination, PERC was still classified as a VOC.