

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- REVISED

PERMITTEE

Barron Industries  
Attn: Dennis Barron  
129 Morgan Street  
Rockford, Illinois 61101

Application No.: 94080015                      I.D. No.: 201030AZW  
Applicant's Designation:                      Date Received: October 15, 1999  
Subject: Degreasers, Polishing and Buffing Machines  
Date Issued: December 16, 1999              Expiration Date: January 17, 2001  
Location: 129 Morgan Street, Rockford

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of two batch vapor degreasers with two condensers as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of hazardous air pollutants (HAPs) and volatile organic material (VOM) from the source to less than major source thresholds, as further described in Attachment A. As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes the current permit(s) issued for this location.
- 2a. The two batch vapor degreasers are subject to 40 CFR 63, Subpart T - National Emission Standards for Halogenated Solvent Cleaning. The Illinois EPA is administering this regulation in Illinois on behalf of the United States EPA under a delegation agreement.
- b. The Permittee shall be in compliance with all applicable emission standards, recordkeeping and reporting requirements of 40 CFR Part 63, Subpart T - National Emission Standards for Halogenated Solvent Cleaning.
- c. The Permittee shall submit to the Agency an initial compliance certification. The initial compliance certification shall provide at a minimum:
  - i. The name and location of the permitted facility.
  - ii. Identification of the subject cleaner(s) and degreaser(s).

- iii. The address and telephone number of the person responsible for the facility.
  - iv. The applicable emission limitation, equipment specification, or work practice.
  - v. The method of compliance.
  - vi. The control system(s) in use (if any).
  - vii. The design performance efficiency of the control system (if applicable).
  - viii. Certification that all permitted sources at the facility are in compliance with the applicable emission limitation, equipment specification, or work practice.
  - ix. The time at which the facility's "day" begins if a time other than midnight local time is used to define a "day".
- d. If this initial compliance certification has previously been submitted, Special Condition 2c may be ignored.
- 3a. The two batch vapor degreasers shall comply with the requirements of 35 Ill. Adm. Code 215.183.
- b. Solvent usage of the two vapor degreasers shall not exceed the following limits:

Solvent Usage <sup>1</sup>	
<u>(Lbs/Month)</u>	<u>(Tons/Year)</u>

1,665	9.99
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<sup>1</sup> Solvent usage is defined as solvent that is added to the vapor degreaser minus the solvent component of the waste recovered from the degreaser. Trichloroethylene is used as the solvent for the degreasers.

These limits define the potential emissions of the two vapor degreasers and are based on the actual emissions determined by maximum operation and material balance.

- c. Any change in the type of solvent used must be permitted prior to making such change.
- d. Compliance with annual limits on the degreaser shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

4. For determination of compliance with the limits of this permit, solvent usage shall be determined by the following equation:

$$U = V - (W \times P)$$

Where:

U = Solvent usage for compliance determinations (pounds).

V = Virgin solvent<sup>2</sup> added to the degreasers (pounds).

W = Waste solvent<sup>3</sup> removed from the degreasers and sent off-site for reclamation or disposal, as determined by monthly manifests.

P = Percent concentration of solvent in waste, as determined by analysis/testing.

<sup>2</sup> For purposes of this permit, virgin solvent is defined as unused solvent.

<sup>3</sup> For purposes of this permit, waste solvent is defined as used solvent.

- 5a. The Permittee shall maintain records of the following items:
- i. Solvent usage (U) in pounds/month and pounds/year.
  - ii. Virgin solvent added to the degreasers (V) in pounds/month and pounds/year.
  - iii. Waste solvent removed from the degreasers and sent off site (W) in pounds/month and pounds/year.
  - iv. Percent concentration of solvent in waste (P).
  - v. Natural gas consumption for the make-up furnace, monthly and annually.
- b. These records shall be retained at a readily accessible location at the source for at least 5 years from the date of entry and shall be made available for inspection and copying by the Agency and USEPA upon request.
6. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Agency. As a result of this condition, this permit is issued based

on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Agency.

7. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the Permittee shall submit a report to the Agency's Compliance and Systems Management Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences. This report should be sent to:

Illinois Environmental Protection Agency  
Bureau of Air  
Compliance and Systems Management Section  
P.O. Box 19276  
Springfield, IL 62794-9276

8. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: solvent usage. If there have been no exceedance of a requirement of this permit during the prior calendar year, the annual emission report shall contain a statement to that effect.
9. Pursuant to 35 Ill. Adm. Code 201.146(d) and (aa), the air make-up furnace and buffing and polishing machines does not require permit.

This permit has been revised to reflect the replacement of one degreaser. The degreaser being replaced will be exempt from state permitting requirements, pursuant to 35 Ill. Adm. Code 201.146(v) because it will be cleaning parts using an alkaline cleaner.

If you have any questions on this, please call Jason Schnepf at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:JMS:jar\8

cc: Region 2

Attachment A - Emissions Summary

1. Emissions from the two batch vapor degreasers.

Trichloroethylene Usage		HAP Emissions		VOM Emissions	
<u>(Lbs/Month)</u>	<u>(Ton/Year)</u>	<u>(Lbs/Month)</u>	<u>(Ton/Year)</u>	<u>(Lbs/Month)</u>	<u>(Ton/Year)</u>
1,665	9.99	1,665	9.99	1,665	9.99

This table defines the potential emissions of the vapor degreasers determined from maximum operation and material balance.

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