

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

Permittee

L.D. Redmer Screw Products, Inc.
Attn: Chuck Patterson
515 Thomas Drive
Bensenville, Illinois 60106

<u>Application No.:</u> 74110001	<u>I.D. No.:</u> 043414AAM
<u>Applicant's Designation:</u>	<u>Date Received:</u> March 13, 2000
<u>Subject:</u> Open Top Vapor Degreaser & Cold Degreaser	
<u>Date Issued:</u>	<u>Expiration Date:</u>
<u>Location:</u> 515 Thomas Drive, Bensenville	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of an open top vapor degreaser and a cold cleaning vapor degreaser 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 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 vapor degreaser is 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. The United States EPA issued this final rule on December 2, 1994.
- b. The Permittee must be in compliance with 40 CFR Part 63, Subpart T - National Emission Standards for Halogenated Solvent Cleaning on or before December 2, 1997.
- c. The Permittee shall submit to the Illinois EPA an initial compliance certification by August 29, 1995. 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; and
- ix. The time at which the facility's "day" begins if a time other than midnight local time is used to define a "day."

3a. The open top vapor degreaser shall comply with the requirements of 35 Ill. Adm. Code 218.183.

b. Emissions and solvent usage of the open top vapor degreaser shall not exceed the following limits:

Solvent Usage ¹		HAP and VOM Emissions ²	
(Lbs/Month)	(Lb/Year)	(Lbs/Month)	(Tons/Year)
1,500	18,000	1,500	9.0

¹ 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 degreaser.

² HAPs as identified in Section 112(b) of the Clean Air Act as amended in 1990. Trichloroethylene is listed as a HAP.

These limits are based on the maximum usage.

- c. Any change in the type of solvent used must be permitted prior to making such change.
 - d. These limits define the potential emissions of HAPs for the source.
- 4a. 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).
- b. Compliance with the HAP emission limits shall be calculated using the amount of solvent added to the machine (lb/mo) minus the amount of solvent recovered from the degreaser sludge as follows:

$$\text{Emissions} = \text{Solvent Added} - \text{Solvent Recovered}$$

(Lbs/Month)

(Lb/Month)

(Lb/Month)

- 5a. The cold cleaning degreaser shall comply with the requirements of 35 Ill. Adm. Code 218.182.

- b. Emissions and solvent usage of the cold cleaning degreaser shall not exceed the following limits:

Solvent Usage ¹		VOM Emissions	
(Lbs/Month)	(Lb/Year)	(Lbs/Month)	(Tons/Year)
1,387	16,644	1,387	8.32

¹ Solvent usage is defined as solvent that is added to the vapor degreaser minus the solvent component of the waste recovered from the degreaser.

These limits are based on the maximum usage.

- c. These limits define the potential emissions of the cold cleaning degreaser.
- 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).
- e. Compliance with the emission limits shall be calculated using the amount of solvent added to the machine (lb/mo) minus the amount of solvent recovered from the degreaser sludge as follows:

$$\begin{array}{rcccl}
 \text{Emissions} & = & \text{Solvent Added} & - & \text{Solvent Recovered} \\
 \text{(Lbs/Month)} & & \text{(Lb/Month)} & & \text{(Lb/Month)}
 \end{array}$$

- 6a. The Permittee shall maintain records of the following items for compliance determinations of the degreasers:
 - i. Amount of each solvent added to each degreaser (lb/month and tons/year)
 - ii. Amount of each solvent recovered from each degreaser sludge (lb/month and tons/year)
 - iii. Emissions of HAPs and VOM (tons/month and tons/year)
- 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 Illinois EPA and USEPA upon request.
- 7. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a

Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.

8. 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 Illinois EPA's Compliance 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

The following special conditions are not federally enforceable:

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: solvent usage VOM emissions and HAP emissions from the prior calendar year. 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.

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

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

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cc: Illinois EPA, FOS Region 1
Illinois EPA, CASM
Illinois EPA, DLC
USEPA

Attachment A - Emissions Summary

1. Emissions from the vapor degreaser:

<u>Trichloroethylene Usage</u>		<u>VOM and HAP Emissions</u>	
<u>(Lbs/Month)</u>	<u>(Lbs/Year)</u>	<u>(Lbs/Month)</u>	<u>(Tons/Yr)</u>
1,500	18,000	1,500	9.0

This table defines the potential emissions of the vapor degreaser determined from maximum production and material balance. These HAP emissions are also classified as VOM emissions.

2. Emissions from the cold cleaning degreaser:

<u>Solvent Usage</u>		<u>VOM Emissions</u>	
<u>(Lbs/Month)</u>	<u>(Lbs/Year)</u>	<u>(Lbs/Month)</u>	<u>(Tons/Yr)</u>
1,387	16,644	1,387	8.32

This table defines the potential emissions of the cold cleaning degreaser determined from maximum production and material balance.

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