

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- NESHAP SOURCES  
PERMITTEE

Danville Metal Stamping Company  
Attn: Mr. Tom Neal, Vice President Manufacturing  
17 Oakwood Avenue  
Danville, Illinois 61832

<u>Application No.:</u> 91010007	<u>I.D. No.:</u> 183020AAY
<u>Applicant's Designation:</u>	<u>Date Received:</u> March 20, 2000
<u>Subject:</u> Batch Vapor Degreasers	
<u>Date Issued:</u> November 2, 2000	<u>Expiration Date:</u> November 2, 2005
<u>Location:</u> 17 Oakwood Avenue, Danville	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of two (2) open top batch vapor degreasers and one (1) X-ray unit pursuant to 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 air pollutants from the source to less than major source thresholds (i.e., a single hazardous air pollutant (HAP) to less than 10 tons/year). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
- 2a. The batch vapor degreaser solvent cleaning machines are subject to 40 CFR part 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 shall comply with the following requirements of the alternative overall solvent emission limit standard, pursuant to 40 CFR 63.464:
  - i. Maintain a log of solvent additions and deletions for each solvent cleaning machine.
  - ii. Ensure the emissions from each solvent cleaning machine are equal to or less than 30.74 lbs/sq ft/month (the applicable 3-month rolling average monthly emission limit), as described in 40 CFR 63.465(b) and (c).

- 3a. Emissions and operation of the two batch vapor degreasers combined shall not exceed the following limits:

Total Trichloroethylene (TCE) Usage		Total HAP and VOM Emissions	
<u>(Lb/Month)</u>	<u>(Tons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
1,600	7.7	0.8	7.7

Solvent usage is defined as solvent that is added to the vapor degreasers minus the solvent component of the waste recovered from the degreasers. These limits are based on a total solvent air interface area of 42.25 sq ft.

- b. This permit is issued based on negligible emissions of particulate matter from the X-ray unit. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
4. Compliance with the HAP emission limits shall be calculated using the amount of solvent added to the machine (lb/month) minus the amount of solvent recovered from the degreaser sludge as follows:

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

5. The Permittee shall maintain monthly records of the following items for compliance determinations of the degreasers:
- a. Amount of TCE added to both degreasers (lb/month and tons/year);
  - b. Amount of TCE recovered from both degreasers (lb/month and tons/year); and
  - c. Emissions of HAPs and VOM (tons/month and tons/year).
6. The emissions of Hazardous Air Pollutants (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 in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. 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 CAAPP permit from the Illinois EPA.
7. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.

8. If there is an exceedance of the requirements of this permit as determined by the records 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.
9. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
2009 Mall Street  
Collinsville, Illinois 62234

10. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Total TCE Usage (tons/month and tons/year).

It should be noted that the laser machines, metal lathes, grinders, sandblasters, and electrochemical grinding machines are exempt from state permitting requirements, pursuant to 35 Ill. Adm. Code 201.146(aa). Also, the lead pot and resistance welders are exempt, pursuant to 201.146(y).

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

DES:JDK:psj

cc: Illinois EPA, FOS Region 3  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from this metal parts manufacturer operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 10 tons per year of a single HAP at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, less TCE is used, and control measures are more effective than required in this permit.

- 1a. Emissions and operation of the two batch vapor degreasers combined shall not exceed the following limits:

Total Trichloroethylene (TCE) Usage		Total HAP and VOM Emissions	
<u>(Lb/Month)</u>	<u>(Tons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
1,600	7.7	0.8	7.7

Solvent usage is defined as solvent that is added to the vapor degreasers minus the solvent component of the waste recovered from the degreasers. These limits are based on a total solvent air interface area of 42.25 sq ft.

- b. This permit is issued based on negligible emissions of particulate matter from the X-ray unit. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.

JDK:psj