

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - RENEWAL

PERMITTEE

Buhrke Industries, Inc.  
Attn: Mr. Mike Chester  
511 West Algonquin Road  
Arlington Heights, Illinois 60005

Application No.: 98030081 I.D. No.: 031403AAE  
Applicant's Designation: FESOP REVISION (2004) Date Received: June 10, 2004  
Subject: Metal Stamping, Mechanical Assemblies  
Date Issued: September 19, 2005 Expiration Date: September 19, 2010  
Location: 511 West Algonquin Road, Arlington Heights

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of 32 metal stamping presses and a clean up operation as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. This federally enforceable state operating permit is issued:
  - a. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons per year of volatile organic material (VOM), 25 tons per year of combined hazardous air pollutants (HAP), and 10 tons per year of single HAP). 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. To limit the emissions of VOM from the source to less than 25 tons/year. As a result, the source is excluded from the requirements of 35 Ill. Adm. Code Part 205, Emission Reduction Market System. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
  - c. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
  - d. This permit supersedes all operating permits issued for this location.
2. Emissions and operation of equipment shall not exceed the following limits:

<u>Item of Equipment</u>	<u>VOM Usage and Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
32 Stamping Presses	1.83	22

These limits are based on maximum usage rates of materials, maximum hours of operation, and VOM contents. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. 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 a 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.
4. This permit is issued based on usage and emissions of volatile organic material from any emission unit not exceeding 8 lb/hour pursuant to 35 Ill. Adm. Code 218.301.
5. Emissions of VOM and operation of the clean up operation shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
	<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lb/Gal)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Solvent	16.5	165	6.8	0.06	0.56

These limit define the potential emissions of VOM and are based on maximum usage and VOM content. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

6. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.
7. The Permittee shall maintain monthly records of the following items:
  - a. Material type and usage for the 32 stamping presses and clean up operations (gallons/month and gallons/year);
  - b. VOM and HAP content of each material (lb/gallon); and
  - c. VOM and HAP emissions with supporting calculations (tons/month and tons/year).
8. 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.

9. 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.
10. 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  
9511 West Harrison  
Des Plaines, Illinois 60016

It should be noted that the boiler is exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(c).

It should also be noted that the number of stamping presses have increased from 25 to 32, including the 7 presses from Construction Permit 04060038.

If you have any questions on this, please call Randy Solomon 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  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from this metal stamping facility 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. This scenario is maximum operating hours and material usage from the 25 stamping presses. The resulting maximum emissions are below the levels, (e.g., 25 tons per year of VOM, 25 tons per year of combined HAPs, and 10 tons per year of single HAPs) 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, equipment operating hours are lower, and control measures are more effective than required in this permit.

<u>Equipment</u>	<u>VOM (Tons/Year)</u>	<u>Single HAP (Tons/Year)</u>	<u>Total HAPs (Tons/Year)</u>
32 Stamping Presses	22.0		
Clean-Up Operations	<u>0.56</u>		
Totals	<u>22.56</u>	<u>&lt; 10</u>	<u>&lt; 25</u>

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