

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Milton Enterprises  
Attn: Ronlyn Smith  
300 King Street  
Elk Grove Village, Illinois 60007

Application No.: 96050052

I.D. No.: 031440AJN

Applicant's Designation:

Date Received: May 13, 1996

Subject: Metal Finishing

Date Issued:

Expiration Date: (5 Years from  
Issuance)

Location: 300 King Street, Elk Grove, Illinois

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of four spray booths; one powder coating booth; three bake ovens; and one controlled pyrolysis burn-off oven, 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., 25 tons per year volatile organic material). 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. Emissions and operations of the four spray coating booths shall not exceed the VOM limits of 35 Ill. Adm. Code 218.204(j)(3) for solvent based coatings (3.5 lb/gal) and 218.204(j)(4) for waterborne coating (3.0 lb/gal) and the following monthly and annual VOM limits:

<u>Coatings</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Solvent & Waterborne	2.31	23.07	2.31	23.07

Compliance with the above volatile organic material limits shall be determined from the required records of usage and volatile organic material contents of the metal coating used. Compliance with the annual limit shall be determined monthly from the last 12 months of data.

- b. This permit is issued based on negligible emissions of volatile organic material and particulate matter from the powder-coating booth. For this purpose emissions shall not exceed nominal VOM emission rate of 0.1 lb/hour and 0.44 tons/year.
- c. Emission and operation of the burn-off oven shall not exceed the following:

<u>Equipment</u>	<u>Operation</u>		<u>Particulate Matter</u>	
	<u>(Lbs/Hour)</u>	<u>(Hours/Year)</u>	<u>(Lbs/Hour)</u>	<u>(Tons/Year)</u>
Burn-Off Oven	100	2,080	0.55	0.57

These limits are based on the allowable emission limit of 35 Ill. Adm. Code 212.321 at the maximum 100 lbs/hour operating rate and 2,080 hours/year operating time.

- 3. The Permittee shall maintain monthly records of the following items, and such other items as may be appropriate to allow the Illinois EPA to review compliance with the limits of this permit.
  - a. The name and identification number of each liquid coating as applied.
  - b. The weight of VOM per volume of each liquid coating (minus water and exempt compounds).
  - c. The hazardous air pollutant (HAP) content of each liquid coating as applied.
  - d. Calculated VOM and HAP monthly usage and emissions from the required records using material balance.
  - e. Weight of materials charged to burn-off oven and the hours of operation.
- 4a. Material insulated with polyvinyl chloride or asbestos, or scrap containing the fuming metals tin, zinc, or lead shall not be charged to this oven.
- b. The afterburner shall be heated to an operating temperature of 1400EF before charging and this temperature shall be maintained during operation.
- c. The oven shall be equipped with an afterburner temperature indicator.
- 5. 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.

6. 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.
7. 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.
8. 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  
Eisenhower Tower  
1701 South First Avenue  
Maywood, Illinois 60153

9. Annual emissions of regulated air pollutants shall not exceed 1.17 tons/year particulate matter, 1.11 tons/year nitrogen oxides and 23.07 tons/year of volatile organic material, which shall be the permitted emissions for this site.

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

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

DES:JDC:psj

cc: Illinois EPA, FOS Region 1  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from miscellaneous metal parts are coated with both liquid and powder coatings in five booths and cured in three ovens 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. By limiting the volatile organic material (VOM) content of coatings as applied, the VOM emissions from the source are limited. The resulting maximum emissions are well below the levels, e.g., 25 tons/year of volatile organic material 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, and control measures are more effective than required in this permit.

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