

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

American Stair Corporation  
Attn: Robert Edwards  
642 Forestwood Drive  
Romeoville, Illinois 60446

Application No.: 99050076

I.D. No.: 197090AAZ

Applicant's Designation:

Date Received: May 24, 1999

Subject: Metal Products Manufacturing

Date Issued:

Expiration Date:

Location: 642 Forestwood Drive, Romeoville

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of a spray booth coating operation, two cold cleaning degreasers, and a grit blast machine 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/year for volatile organic material (VOM), 10 tons/year for any single HAP and 25 tons/year for combination of HAPs). 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 of volatile organic material (VOM) and operation of the coating operation and two degreasers shall not exceed the following limits:

<u>Equipment</u>	<u>Material</u>	<u>Usage</u>		<u>VOM</u>	<u>VOM</u>	
		<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>	<u>Content</u>	<u>Emissions</u>	
				<u>(Wt. %)</u>	<u>(T/Mo)</u>	<u>(Ton/Yr)</u>
Coating	Primers	8.0	80.1	22.9	1.88	18.81
Operation	Clean-Up	0.27	2.68	100	0.27	2.68
2 Degreasers	Cleaning					
	Solvent	0.60	5.93	0.25	<u>0.04</u>	<u>0.44</u>
				TOTAL	2.19	21.93

- b. Emissions of particulate matter, PM, and operation of the coating operation shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>PM</u>	
	<u>(Ton/mo)</u>	<u>(Ton/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/yr)</u>
Primers	8.0	80.1	0.07	0.66

These limits define the potential emissions of VOM and PM and are based on maximum usages and maximum VOM content as provided in the information by the company. 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.

- c. This permit is issued based on negligible emissions of PM from the grit blast machine. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
3. 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.
  4. Pursuant to 35 Ill. Adm. Code 218.204(j)(2), any coatings including primers applied at any time in the coating operation shall not exceed 3.5 lb VOM per volume (gal) of coating (minus water and any other compounds which are specifically exempted from the definition of VOM) as applied at each applicator.
  5. Pursuant to 35 Ill. Adm. Code 218.182(c), the Permittee shall not operate a cold cleaning degreaser with a solvent vapor pressure which exceeds 2.0 mmHg (0.038 psi) measured at 20EC (68EF).
  6. The Permittee shall comply with the following operating requirements for cold cleaning degreasers, pursuant to 35 Ill. Adm. Code 218.182:
    - a. Waste solvent shall be stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
    - b. The cover of the degreaser shall be closed when parts are not being handled and parts are drained until dripping ceases;
    - c. The degreaser must be equipped with a cover which is closed whenever parts are not being handled in the cleaner;

- d. The degreaser shall be equipped with a device for draining cleaned parts;
  - e. A permanent conspicuous label summarizing the operating procedure must be affixed to the degreaser; and
  - f. If a solvent spray is used, the degreaser must be equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.
7. The Permittee shall maintain monthly records of the following for cold cleaning degreasers, pursuant to 35 Ill. Adm. Code 218.182:
- a. The name and address of the solvent supplier;
  - b. The date of purchase;
  - c. The type of solvent; and
  - d. The vapor pressure of the solvent measured in mmHg at 20EC (68EF).
8. The Permittee shall maintain monthly records of the following items:
- a. Amount of each primer and solvent used in the coating operation and degreasers (ton/month and ton/year);
  - b. VOM content of each primer and solvent used in the coating operation and degreasers (percent weight of VOM);
  - c. VOM emissions from the coating operation and degreasers (ton/month and ton/year);
  - d. PM emissions from the coating operation (ton/month and ton/year); and
  - e. Amount of grit blast used (lb/mo and ton/yr).
9. 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.

10. 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.
11. 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

12. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
  - a. Amount of each primer and solvent used in the coating operation and degreasers (ton/month and ton/year);
  - b. VOM content of each primer and solvent used in the coating operation and degreasers (percent weight of VOM);
  - c. VOM emissions from the coating operation and degreasers (ton/month and ton/year); and
  - d. PM emissions from the coating operation (ton/month and ton/year).

It should be noted that the gas fired furnace and welding machines are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(d) and (aa), respectively.

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If you have any questions on this, please call Tara T. Nguyen-Ede at 217/782-2113.

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

DES:TNE: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 metal products manufacturing facility operating in compliance with the requirements of this federally enforceable permit 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., 25 tons per year of VOM, 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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