

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Chicago Anodizing
Attn: John Seritella
4112 West Lake Street
Chicago, Illinois 60624

Application No.: 87010037

I.D. No.: 031600FFG

Applicant's Designation: 030120

Date Received: March 27, 2000

Subject: Aluminum Anodizing Facility

Date Issued:

Expiration Date:

Location: 4112 West Lake Street, Chicago, 60624

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of seven sulfuric acid anodizing lines (SA1-SA7), one bright dip tank, one scrubber controlling bright dip tank and one sulfuric acid anodizing line SA7, two caustic etch tanks and a metal finishing dye line 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 of volatile organic material (VOM), 25 tons per year of combined hazardous air pollutants (HAPs), 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. 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 use of methylene chloride for wipe cleaning is not considered "cold cleaning" pursuant to 35 Ill. Adm. Code 211.1310 and therefore is exempt from 35 Ill. Adm. Code 218.182 for cold cleaning.
- b. The use of methylene chloride with containers of less than 2 gallons is not considered a solvent cleaning machine, pursuant to EPA document "EPA-453/R-94-081: Guidance Document for the Halogenated Solvent Cleaner NESHAP", thereby exempting this source from National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart T: National Emission Standards for Halogenated Solvent Cleaning.
- 3a. This permit is issued based on combined emissions of volatile organic

material (VOM) from all coating lines not exceeding 15 lb/day. For this reason, the coating lines are exempt from 35 Ill. Adm. Code 218, Subpart F: Coating Operations, pursuant to 35 Ill. Adm. Code 218.208(a).

- b. This permit is also issued based on emissions of VOM from each emission unit not exceeding 8 lb/hour pursuant to 35 Ill. Adm. Code 218.301.

- c. This permit is also issued based on emissions of sulfuric acid and/or sulfuric trioxide not exceeding 0.1 lb/hour from the entire source, pursuant to 35 Ill. Adm. Code 214.303.
- 4a. This permit is issued based on negligible emissions of particulate matter (acid mist and metallic dust) from acid anodizing lines, bright dip tank, two caustic etch tanks and a metal finishing dye line. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.
- b. This permit is issued based on negligible emissions of sulfur dioxide from the 7 anodizing lines. For this purpose emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
- 5. Emissions and operation of the metal finishing dye line shall not exceed the following limits:

Usage and Emissions				
<u>(Lb/Day)</u>	<u>VOM (Tons/Month)</u>	<u>(Tons/Year)</u>	<u>Methylene Chloride (Tons/Month)</u>	<u>(Tons/Year)</u>
15	0.28	2.74	1.0	9.9

These limits are based on maximum material usage, VOM content and operating hours. Compliance with annual limits shall be determined from a running total of the most recent 12 months data.

- 6a. At all times, the Permittee shall also, to the extent practicable, maintain and operate all equipment in a manner consistent with good air pollution control practice for minimizing emissions.
- b. 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 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 (methylene chloride) 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.
- 8a. The Permittee shall maintain records of the following items:
 - i. Usage of each material (gallon/month and gallon/year);
 - ii. VOM and HAP content of each material (lb/gallon or wt. %); and
 - iii. VOM, single HAP and total HAPs emissions (tons/month and tons/year).
- b. 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
Eisenhower Tower
1701 South First Avenue
Maywood, Illinois 60153

11. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: usage of each material; VOM and HAP content of each material; VOM, single HAP and total HAPs emissions.

Please note that the 2 boilers and 2 buffing and polishing machines are exempt from state permit requirements pursuant to 35 Ill. Adm. Code 201.146(c) and (aa), respectively.

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

DES:RBS: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 the aluminum anodizing source 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 is using 9.9 tons per year of methylene chloride. The resulting maximum emissions are well below the levels, e.g., 25 tons/year of VOM, 25 tons/year total HAPs and 10 tons/year for 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, and control measures are more effective than required in this permit.

- 1a. Emissions and operation of the metal finishing dye line shall not exceed the following limits:

Usage and Emissions				
	VOM		Methylene Chloride	
<u>(Lb/Day)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
15	0.28	2.74	1.0	9.9

- b. 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 (methylene chloride) 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.
- c. This permit is issued based on negligible emissions of particulate matter from the 7 acid anodizing lines, bright dip tank, 2 caustic etch tanks and a metal finishing dye line. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
- d. This permit is also issued based on negligible emissions of sulfur dioxide from the 7 acid anodizing lines. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons per year.

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