

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT **B** RENEWAL

PERMITTEE

Metal Management Midwest, Inc.
Attn: Deborah Hays
2232 South Blue Island
Chicago, Illinois 60608

Application No.: 74120070 I.D. No.: 031600AYG
Applicant's Designation: Date Received: March 19, 2001
Subject: Metal Recycling Plant
Date Issued: Expiration Date:
Location: 3151 South California, Chicago

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of a hammermill controlled by foam dust suppressant and Separator System (comprised of magnetic drums, roll separators, material handling conveyors and a skimmer tank) controlled by 4 cyclones 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., 100 tons/yr for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10)). As a result, the source is excluded from the requirements 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 permit(s) for this location.
2. Operations and emissions of the hammermill/separator system shall not exceed the following limits:

<u>Process Rate</u>		<u>Emission Factor</u>	<u>PM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Lb/Ton)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
56,250	675,000	0.2	5.6	67.5

These limits define potential emissions from plant operations and are based upon maximum material usage and emission factor derived from the stack test data. As a result of these PM emissions

limitations, the emissions of PM-10 are effectively limited to an equal or lesser quantity. Compliance with annual limits shall be determined on a monthly basis from the sum of the data from the previous month plus the preceding 11 months.

3. Operations and volatile organic materials (VOM) emissions from foam dust suppressant usage shall not exceed the following limits:

<u>Dust Suppressant</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
<u>Concentrate Usage</u>		<u>(Lb/Gal)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>			
170	1,700	2.1	357	1.8

These limits are based on the maximum dust suppressant usage. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
5. The Permittee shall maintain monthly records of the following items:
 - i. Metal Processed (tons/month and tons/year).
 - ii. Total Emissions of Particulate Matter (tons/month and tons/year).
 - iii. Dust suppressant concentrate usage (gallons/month and gallons/year) and its VOM content (lb/gal or wt. %).
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 and 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 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, a description of the exceedances 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 Illinois EPA
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 Illinois EPA
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
 - a. Metal Processed (tons/yr).

If you have any questions on this permit, please call Valeriy Brodsky at 217/782-2113.

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

DES:VJB:

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

Attachment A

This attachment provides a summary of the maximum emission from the hammermill/separator system 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 a maximum usage of metal processed by the hammermill/separator system of 675,000 tons per year. The resulting maximum emissions are well below the levels (i.e., 100 tons/yr for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10)) at which this source would be considered a major source for purposes of the Clean Air Act Program Permit (CAAPP). Actual emissions from this source will be less than predicted in this summary to the extent that material is handled, and control measures are more effective than required in this permit.

1. Operations and emissions of the hammermill/separator system are as follows:

<u>Process Rate</u>		<u>Emission Factor</u>	<u>PM Emissions</u>	
<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Lb/Ton)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
56,250	675,000	0.2	5.6	67.5

2. Operations and volatile organic materials (VOM) emissions from foam dust suppressant usage shall not exceed the following limits:

<u>Dust Suppressant Concentrate Usage</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Lb/Gal)</u>	<u>(Lb/Mo)</u>	<u>(Ton/Yr)</u>
170	1,700	2.1	357	1.8

DES:VJB: