



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

P.O. Box 19506, SPRINGFIELD, ILLINOIS 62794-9506

THOMAS V. SKINNER, DIRECTOR

217/782-2113

5-4 K
cc'd Ed
Brad
Bloomer

LIFETIME OPERATING PERMIT - REVISED

PERMITTEE

H. Kramer & Company
Attn: Phillip R. Johnson
1339-59 West 21st Street
Chicago, Illinois 60608

Application No.: 72090081

I.D. No.: 031600AGL

Applicant's Designation: 031600AGL

Date Received: February 22, 2001

Subject: Smelter and Refiner

Date Issued: May 11, 2001

Expiration Date: See Condition 1.

Location: 1339-59 West 21st Street, Chicago, 60608

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

- 2 Rotary Furnaces Controlled by Baghouses ^{#5}
- 4 Induction Furnaces (2 Coreless Controlled by Baghouse and 2 Channel Controlled by Venturi Scrubber with Mist Eliminator)
- 1 Brick Crusher

pursuant to the above-referenced application. This permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit shall expire 180 days after the Illinois EPA sends a written request for the renewal of this permit.
- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
- 2. The Permittee shall not allow or cause to allow the processing of any scrap containing Beryllium.
- 3. Emissions and operation of the following equipment shall not exceed the following limits:

<u>Item of Equipment</u>	<u>Process Weight Rate (Tons/Hour)</u>	<u>Particulate Matter Emissions</u>			
		<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>		
Rotary Furnace #1	7.5	7.45	32.63		
Rotary Furnace #2	10.0	8.69	38.06		
<u>Natural Gas Combustion Emissions</u>		<u>Nitrogen Oxides</u>		<u>Carbon Monoxide</u>	
		<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>	<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>
Rotary Furnace #1 (11.5 mmBtu)		1.15	5.04	0.97	4.23
Rotary Furnace #2 (20.8 mmBtu)		2.08	9.11	1.74	7.65

GEORGE H. RYAN, GOVERNOR

These limits are based on the continuous operation (8,760 hours/year), standard emission factors for fuel combustion (AP-42) and allowable particulate matter in Ill. Adm. Code 212.322. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. Emissions and operation of the following equipment shall not exceed the following limits:

<u>Item of Equipment</u>	<u>Process Weight Rate (Tons/Hour)</u>	<u>Particulate Matter Emissions</u>	
		<u>(Lb/Hour)</u>	<u>(Ton/Year)</u>
2 Channel Induction Furnaces	2.50	2.98	13.05
2 Coreless Induction Furnaces	2.50	2.98	13.05

These limits are based on continuous operation (8,760 hours/year), standard emission factors (AP-42, 20 lb/ton), 95% capture efficiency, and 99.0% control efficiency. Compliance with annual limits shall be determined from a running total of 12 months of data.

5. This permit is issued based on negligible emissions of particulate matter from the brick crusher. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
6. Operation in excess of the applicable emission standards during malfunction and breakdown is allowed. This allowance applies only to the following specific equipment: 2 rotary furnaces not to exceed 24 hours in length. This condition supersedes standard condition No. 9.a as it applies to malfunction or breakdown. The Permittee shall maintain the records required by standard condition No. 9.b.
7. The Permittee shall maintain records of excess emissions during malfunctions and breakdowns. As a minimum, these records shall include:
- a. Date and duration of malfunction or breakdown;
 - b. A full and detailed explanation of the cause for such emissions;
 - c. The contaminants emitted and an estimate of the quantity of emissions;
 - d. The measures used to reduce the quantity of emissions and the duration of the occurrence; and
 - e. The steps taken to prevent similar malfunctions or breakdowns or reduce their frequency and severity.
 - f. The Permittee shall notify the Illinois EPA's regional office:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

by 10:00 a.m. of the next workday of any malfunction or breakdown of the rotary furnaces or associated control.

8. The Permittee shall maintain monthly records of the following items:
 - a. Metal processed for each furnace (ton/month); and
 - b. Natural gas usage (scf/month).
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 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.
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
9511 West Harrison
Des Plaines, Illinois 60016

12. Persons with lifetime operating permits must obtain a revised permit for any of the following changes at the source:

- a. An increase in emissions above the amount the emission unit or the source is permitted to emit;
- b. A modification;
- c. A change in operations that will result in the source's noncompliance with conditions in the existing permit; or
- d. A change in ownership, company name, or address, so that the application or existing permit is no longer accurate.

Please note that this permit is revised to change the limits in Condition 3 and 4, and incorporate Construction Permit 01020051.

If you have any questions on this permit, please contact John Blazis at 217/782-2113.

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

DES:JPB:psj

5/11/01 *ks*

cc: Region 1

COPY
Original Signed by
Donald E. Sutton, P.E.