

**PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE**

S.E.D.O.

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Date of Issuance 01/10/92

Application No. 0684020006F009

Effective Date 01/10/92

Permit Fee \$330

This document constitutes issuance to:

ELKEM METALS COMPANY  
STATE ROUTE 7 SOUTH  
MARIETTA

DHID 45750

of a permit to operate for:

CASTING #18 FURNACE  
CASTING FOR 098 DEPARTMENT

The following terms and conditions are hereby expressly incorporated into this permit to operate:

1. This permit to operate shall be effective until 01/10/95  
You will be contacted approximately six months prior to this date regarding the renewal of this permit. If you are not contacted, please write to the appropriate Ohio EPA field office.
2. The above-described source is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.
3. Prior to any modification of this source, as defined in rule 3745-31-01 of the Ohio Administrative Code (OAC), a permit to install must be granted by the Ohio EPA pursuant to OAC Chapter 3745-31.
4. The Director of the Ohio EPA or an authorized representative may, subject to the safety requirements of the permit holder, enter upon the premises of this source at any time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State and federal air pollution laws and regulations and the terms and conditions of this permit.
5. A permit fee in the amount specified above must be remitted within 15 days from the issuance date of this permit.
6. Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA field office must be notified in writing of any transfer of this permit.
7. This source and any associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices in order to minimize air contaminant emissions. Any malfunction of this source or any associated air pollution control system(s) shall be reported immediately to the appropriate Ohio EPA field office in accordance with OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of this source.
8. Any unauthorized or emergency release of an air contaminant from this source which, due to the toxic or hazardous nature of the material, may pose a threat to public health, or otherwise endanger the safety or welfare of the public, shall be reported immediately to the appropriate Ohio EPA field office (during normal business hours) or to the Ohio EPA's Emergency Response Group (1-800-282-9378). (Additional reporting may be required pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act.)
9. The appropriate Ohio EPA field office is:  
OHIO EPA, SOUTHEAST DISTRICT OFFICE  
AIR POLLUTION GRUP 2195 FRONT ST.  
LOGAN, OH 43138 (614) 385-8501
10.  If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Director

*Donald R. Schreyer*

APPLICATION NUMBER: 0684020006 F009  
FACILITY NAME: ELKEM METALS COMPANY  
EQUIPMENT DESCRIPTION: CASTING #18 FURNACE  
COMPANY ID: CASTING FOR 098 DEPARTMENT

SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

The specific operation(s), equipment and/or property which constitute the air contaminant source and which are covered by this permit are listed in the following table along with the applicable rule(s) of the Ohio Administrative Code:

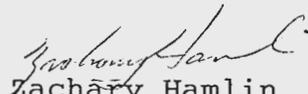
Operation(s), Equipment and/or Property	Applicable Rule(s) (OAC 3745)
Casting	3745-17-05

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2. Allowable mass emission limitation(s) and/or control requirements:

The allowable mass emission limitations(s) and/or control requirements for the operation(s), equipment and/or property identified above are specified in the following table:

Operation(s), Equipment and/or Property	Allowable Mass Emission Limitation(s) and/or Control Requirements
Casting	Good operating practices shall be employed during casting to reduce visible emissions, which shall include fume collection during pocket casting into bed of fines and collected fume being controlled by MOR baghouse.

Prepared by:   
Date prepared: December 10, 1991

ZH/bjs