

**PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE**

Date of Issuance 03/03/95 Application No. 1576010014P024

Effective Date 03/03/95 Permit Fee \$000

This document constitutes issuance to:

AMER STEEL FOUNDERS DV OF AMSTED IND INC  
 1001 EAST BROADWAY.  
 ALLIANCE OHIO 44601

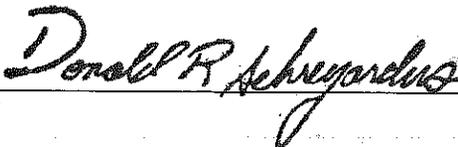
of a permit to operate for:

LAEMPE ONE PIECE CORE MAKER & 2.8 MHUTU/HR NG OVEN  
 LAEMPE ONE PIECE CORE MAKER

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

1. This permit to operate shall be effective until 03/03/98  
 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:  
 AIR POLLUTION CNTRL DIV. CANTON CITY HEALTH DEPT. -  
 CITY HALL 420 MARKET AVE. NORTH  
 CANTON, OH 44702-1544 (216)-489-3385
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

APPLICATION NUMBER : 15 76 01 0014 P024

FACILITY NAME : AMER STEEL FOUNDERS DV  
OF AMSTED IND INC

EQUIPMENT DESCRIPTION : LAEMPE ONE PIECE CORE MAKER &  
2.8 MMBTU/HR NG OVEN

COMPANY ID : LAEMPE ONE PIECE CORE MAKER

**SPECIAL TERMS AND CONDITIONS**

1. **Applicable State Regulation(s)**

The following rules of the Ohio Administrative Code establish the applicable emission limitations and/or control requirements for this source:

3745-31  
3745-17-07  
3745-17-11

(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 limitation(s) and/or control requirements for the operation(s), equipment and/or property identified above are specified in the following table:

<b><u>Operation(s), Equipment and/or Property</u></b>	<b><u>Allowable Mass Emission Emission Limitation(s) and/or Control Requirements</u></b>
LAEMPE ONE PIECE CORE MAKER & 2.8 MMBTU/HR NATURAL GAS FIRED OVEN	9.75 lb methyl formate/hour 29.2 TPY methyl formate 0.27 lb NOx/hour 1.16 TPY NOx 0.12 lb PM/hour 0.56 TPY PM 0.05 lb CO/hour 0.23 TPY CO

**APPLICATION NUMBER :** 15 76 01 0014 P024

**FACILITY NAME :** AMER STEEL FOUNDERS DV  
OF AMSTED IND INC

**EQUIPMENT DESCRIPTION :** LAEMPE ONE PIECE CORE MAKER &  
2.8 MMBTU/HR NG OVEN

**COMPANY ID :** LAEMPE ONE PIECE CORE MAKER

### **SPECIAL TERMS AND CONDITIONS**

3. No more than 97.5 lbs of methyl formate shall be used in any one hour.  
  
No more than 250,000 lbs of methyl formate shall be used in any one year.  
  
No more than 20,833 lbs of methyl formate shall be used in any one month.
4. This facility shall submit semi-annual reports to the Canton City Health Department, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702, which contain the monthly usage amounts of methyl formate. These reports shall be submitted by February 15 and August 15 of each year and shall cover the previous six calendar months (July through December and January through June, respectively).
5. The stack servicing this source shall be a minimum of 30 foot high.
6. A sand heater will be employed to keep the sand temperature at 85° - 90°F to maximize reaction efficiency.
7. A minimum gassing time will be determined for each job type. This time will be adhered to when making molds to reduce emissions.