

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCEDate of Issuance 10/01/93 Application No. 1576010014P012Effective Date 10/01/93 Permit Fee \$330

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:

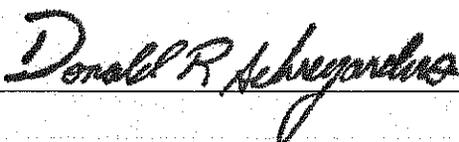
SAND HANDLING SYSTEM W/FABRIC FILTER
 SOUTH END #2 FOUNDRY SAND HANDLING SYSTEM

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

1. This permit to operate shall be effective until 10/01/96.
 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 P012
FACILITY NAME: AMERICAN STEEL FOUNDERS
DIV OF AMSTED IND INC
EQUIPMENT DESCRIPTION: SAND HANDLING SYSTEM W/FABRIC
FILTER
COMPANY ID: SOUTH END #2 FOUNDRY SAND HANDLING
SYSTEM

SPECIAL TERMS AND CONDITIONS

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

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. The mass emissions from this source shall not exceed 3.1 lbs particulate matter/hour.

PREPARED BY: PATRICK G. SHRIVER

DATE PREPARED: AUGUST 24, 1993

9-4-92

ENGINEERING REVIEW FORM
PROCESS EQUIPMENT

(only for sources with stacks)

- (1) Facility name: ASF
- (2) Facility location (city or township): ALLIANCE
(county): STARV
- (3) Permit application number: 1576 01 0014 P 012
- (4) Source description: No 2 FOUNDRY SAND HANDLING SYSTEM
- (5) Year source installed: 1955
- (6) Maximum process weight rate (tons/hr): 13.2 (STEEL CASTINGS)
- (7) Uncontrolled mass rate of emission of source at maximum process weight rate (lbs/hr): (32)(13.2) = 422.4
- (8) Basis for data in item (7): SCC-EF - PG 109
- (9) Source number(s) of similar process units which are either physically and/or operationally united or in close proximity: _____, _____, _____, _____, _____, _____, _____
- (10) Total uncontrolled mass rate of emission at the maximum process weight rate of all similar sources (lbs/hr): 422.4
- (11) Actual and allowable emission rates:

Pollutant	Actual (lbs/hr)	Basis*	Allowable (lbs/hr)**	
° Particulate matter	<u>4.22 *</u>	_____	<u>35.67 **</u>	(Figure II) (Table I)
° SO ₂	_____	_____	_____	(Federal SO ₂ plan) (Ohio SO ₂ plan)
° Organic compounds	_____	_____	_____	3745-21-07 3745-21-09
° CO	_____	_____	_____	
° NO _x	_____	_____	_____	

(12) Stack test information for items (8) and (11), if applicable:

Month/year of test	Pollutant tested	Process weight rate during test (tons/hr)
_____	_____	_____
_____	_____	_____

- (13) Description of control equipment: BAG HOUSE
- (14) In compliance with visible emission rule (17-07)?: yes (yes/no)
- (15) Current permit status: PENDING Expiration date: _____
- (16) Comments/calculations:

BAG HOUSE = 99% EFF FROM TABLE I PWR = 35167 ^{xx} LB/HR
 $(422.4)(.01) = 4.22 \frac{LB}{HR} ACT *$

(17) Name of individual completing form: Randy Parks

* emission factor, stack test, material balance, etc.
 ** note in (16) if allowable based upon NSPS, NESHAPS, local ordinances or emission limits in a variance or Consent Order

DOE 3/21/80 PS. 8/23/93 USE C-65 lb/ton sand, SCC 3-04-007-CC, PG 109.
 $E = (25.25)(C-65) = 16.416/HR$, A = 3.116/HR FIG II
 EPA 3501 $E = (4.10)(25.25)^{0.47} = 35.6716/HR$ TABLE I.
 ALLOWABLE = 3.116/HR
 ACTUAL = (16.416/HR) OK
 PS. 8/23/93