



PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

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Date of Issuance **11/13/92**

Application No. **0630010005P014**

Effective Date **11/13/92**

Permit Fee **\$270**

This document constitutes issuance to:

**SHIELDALLOY CORPORATION
ROUTE 209 SOUTH
CAMBRIDGE**

OHIO 43725

of a permit to operate for:

**VERTICAL MULTIPLE HEARTH FLY ASH ROASTER
DEPARTMENT 125 FLY ASH ROASTING**

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

1. This permit to operate shall be effective until **11/13/95**
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 GROUP 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

Donald R. Schreyer

Director

APPLICATION NUMBER: 0630010005 P014
FACILITY NAME: SHIELDALLOY CORPORATION
EQUIPMENT DESCRIPTION: VERTICAL MULTIPLE HEARTH FLY ASH ROASTER
COMPANY ID: DEPARTMENT 125 FLY ASH ROASTING

SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

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

3745-31-05(A)(3)

(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 mass emissions from this source shall not exceed the following:

5.00 pounds of particulate emissions/hour
1.67 tons of particulate emissions/month
20.0 tons of particulate emissions/year
60.0 pounds of sulfur dioxide emissions/hour
19.75 tons of sulfur dioxide emissions/month
237 tons of sulfur dioxide emissions/year

3. Limitation on Production:

The production rate from this source shall not exceed the following:

50.0 tons/day on a monthly average; 55 tons/day maximum
1,550 tons/month
16,460 tons/12 month period

4. Annual Operating Limit and Reporting:

This source shall not process more than 16,460 tons in any 12 month period. Record of the amounts of fly ash processed, lime added, percentage of lime added (weight of lime/weight of ash), and sulfur content of the fly ash shall be kept for each month and for each previous 12 months. This information shall be submitted to the Southeast District Office of Ohio EPA by February 15, May 15, August 15 and November 15 of each year and shall cover the data obtained for the months of the previous calendar quarter and the 12 months preceding them.

5. Stack test requirements for particulate emissions:

By January 11, 1993, or within 45 days of re-start of this source, whichever is later, this facility shall conduct or have conducted, an emission test(s) for this source in order to demonstrate compliance with the allowable mass emission rate for particulates. The emission test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the field office's refusal to accept the results of the emission test(s).

Personnel from the Southeast District Office shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the source operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted to the Southeast District Office within 30 days following completion of the test(s).

6. Stack test requirements for particulate emissions and sulfur dioxide:

Within six (6) months prior to the expiration of this permit, this facility shall conduct, or have conducted, an emission test(s) for this source in order to demonstrate compliance with the allowable mass emission rate for particulates and sulfur dioxide. The emission test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03 and rule 3745-18-04.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the field office's refusal to accept the results of the emission test(s).

Personnel from the Southeast District Office shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the source operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted to the Southeast District Office within 30 days following completion of the test(s).

7. Testing at Increased Production

Ohio EPA Permit to Install 06-2561 issued July 11, 1990, permits production up to a level of 3.63 tons/hour and 87.2 tons/day. This permit to operate restricts production as indicated in condition number 3. If Shieldalloy Metallurgical Corporation (SMC) wishes to seek modification of the production restrictions in condition number 3 but remain within the limitations imposed in the permit to install, the following steps must be followed:

- a. SMC must make a request in writing to Ohio EPA, Southeast District Office, for a new production limit. Along with the request, SMC must outline what changes in the source and control devices have been made that would allow SMC to comply with the limits in condition number 2 at a higher production rate.
- b. Ohio EPA, Southeast District Office, upon reviewing the request would grant a trial period of up to 14 days for testing the unit at a higher production rate to determine compliance with the allowable emission rates specified in condition number 2 if the request was deemed reasonable by Ohio EPA, Southeast District Office.
- c. Emission testing protocol would follow that outlined in condition number 6 with the exception of the opening phrase. Testing can be requested anytime during the duration of this permit.
- d. After the testing at increased production was accomplished, the source would resume operation at the production levels specified in condition number 3.
- e. Upon receipt of the report on the result of the emission testing, Ohio EPA, Southeast District Office would review the report for procedural methods as well as compliance determination.
- f. If the report is found satisfactory and compliance is demonstrated, Ohio EPA Southeast District Office will recommend that condition number 3 be modified to be consistent with production levels during the test period if so requested by SMC.

Application No. 0630010005 P014
Shieldalloy Corporation
Page 4

- g. Upon receipt of the modification, SMC would be permitted to operate at the production level shown to be achievable and in compliance by the emissions test.

Prepared by: Fred ^{KL}Klingelhafer
Date prepared: October 9, 1992

FK/cdc