OhioEPA
State of Ohio Environmental Protection Agency

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

Date of Issuance 01/10/90 Application No. 1576001246 P002

Effective Date 01/10/90 Permit Fee $500

This document constitutes issuance to:

TIMKEN COMPANY, THE
4511 FAIRCREST SW
PERRY TWP. OHIO 44706

of a permit to operate for:

ELECTRIC ARC FURNACE
EAF NO 1

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

1. This permit to operate shall be effective until 01/10/93
   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 reasonable 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:
   DIV. OF AIR POLLUTION CNTRL CANTON CITY HEALTH DEPT.
   THIRD FLOOR, CITY HALL
   CANTON, OH 44702 (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

Richard L. Shank

Director

RECEIVED
JAN 17 1990
CANTON CITY HEALTH DEPT.
AIR POLLUTION DIVISION

EPA-3834
REVISED 1-87

APPLICATION NUMBER: 15 76 00 1246 P002

FACILITY NAME: Timken Company Faircrest Plant

EQUIPMENT DESCRIPTION: Electric Arc Furnace

COMPANY ID: EAF No. 1

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
   3745-17-08
   3745-31

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

2. NSPS Requirements
   This source is subject to the applicable provisions of the new source performance standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60 Subpart AA. The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

3. Stack Test Requirements for Particulate Emissions:
   Within 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 emissions 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.

   No later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification which shall describe in detail the proposed test methods and procedures, the source operation 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 Ohio EPA field 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 Canton City Health Department, Air Pollution Control Division, City Hall, Canton, OH 44702, within 30 days following completion of the test(s).

4. Daily opacity readings shall be taken by a certified visible emission observer of the emissions from this source. The observations shall be done at least once a day and shall occur when the furnace is operating in the melting period.

5. Visible emissions shall not exceed the following limits during a 6 minute average:

   a. 3% opacity from the baghouse exit;
   b. 6% opacity from the shop area, except during charging and tapping periods;
   c. 20% opacity from the shop area during charging periods;
   d. 40% opacity from the shop area during tapping periods.

   The Timken Company shall submit summaries of any violations to this agency on a quarterly basis. Summaries shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover violations observed during the previous quarter (January to March, April to June, July to September, October to December).

6. Unless otherwise specified, all reports, test results, notifications, etc. required by the above terms and conditions shall be submitted to or made to the following Ohio EPA field office: Canton City Health Department, Air Pollution Control Division, City Hall Bldg., 218 Cleveland Avenue SW, Canton, Ohio 44702.

7. <u>Allowable Mass Emission Limitation(s) and/or Control Requirements:</u>

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

   a. .0052 Gr PM/dscf
   b. .9 lbs of CO per ton of steel
   c. 2.25 lb/hr of fluorides (gaseous and particulate)

PREPARED BY: DANIEL J. SCHILTZ
DATE PREPARED: 12/7/89