OhioEPA
State of Ohio Environmental Protection Agency

02

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

Date of Issuance 02/17/95 Application No. 1576050614P901

Effective Date 02/17/95 Permit Fee $000

This document constitutes issuance to:

TIMKEN COMPANY CANTON PLANT NO 5
1835 DUEBER AVE SW
CANTON OHIO 44706

of a permit to operate for:

100 TON EAF W/PRIMARY BH & SECONDARY ROOF BH
NO. 1 ELECTRIC FURNACE

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

1. This permit to operate shall be effective until 02/16/98
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

Donald R Schregardus

Director

EPA 3834
Revised 9-90

APPLICATION NUMBER:	15 76 05 0614 P901
FACILITY NAME:	TIMKEN COMPANY CANTON PLANT NO 5
EQUIPMENT DESCRIPTION:	100 TON EAF W / PRIMARY BH & SECONDARY ROOF BH
COMPANY ID:	NO. 1 ELECTRIC FURNACE

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:

   3745-17-07
   3745-17-08
   3745-17-11

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

2. This source shall be controlled by both a side draft hood vented to baghouse #3 and a roof control system vented to baghouse #4.

   Based on stack tests done in 1994 on all of the baghouses servicing all of the EAF's, the total uncontrolled emission rate was 1,601.924 LB/HR. Using this figure and OAC 3745-17-11 Figure II the total allowable emissions from all of the EAF's is 50 LB/HR.

   Baghouse #4 also handles the emissions from source (P082) which has an emission limit of .0052 GR/DSCF, therefore the emission limit for baghouse #4 is .0052 GR/DSCF no matter which sources are being operated.

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 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. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the Ohio EPA.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Ohio EPA field 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 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 Ohio EPA field office within 30 days following completion of the test(s).

Both baghouses #3 and #4 shall be tested. All sources controlled by these baghouses shall be operating at maximum capacity during the test. The emission limit for baghouse #4 is .0052 GR/DSCF.

PREPARED BY: DANIEL J. SCHILTZ

DATE PREPARED: DECEMBER 1, 1994

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