

**Ohio EPA**

Re: Permit to Install  
Stark County  
Application No. 15-144

December 21, 1981

**RECEIVED**  
DEC 24 1981  
CITY OF CANTON  
HEALTH DEPT.  
AIR POLLUTION CONTROL DIVISION

The Timken Company  
1835 Dueber Avenue  
Canton, Ohio 44706

CERTIFIED MAIL

Attention: William Fladung

Dear Sir:

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

You are hereby notified that this action by the Director is final and may be appealed to the Environmental Board of Review pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
250 East Town Street, Room 101  
Columbus, Ohio 43215

Very truly yours,

*Patricia P. Walling*

Patricia P. Walling, Chief  
Div. of Authorization & Compliance  
Office of Air Pollution Control

PPW/bs

cc: Valdas Adamkus, Acting Regional Administrator, U.S. EPA  
David Ullrich, U.S. EPA  
Canton Div. of Air Pollution Control



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## Permit to Install Sources and Conditions

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Application No. 15-144  
APS Premise No. 1576051246  
Permit Fee: \$14,770.00

Name of Facility: The Timken Company

Person to Contact: Mr. C. J. Stromsky

Address: 1835 Dueber Avenue, SW  
Canton, Ohio 44706

Location of proposed source(s): 320 acre plot west of the Faircrest  
Street, SW/Shepler Church Road  
intersection, Perry Township, Stark  
County, Ohio

Description of proposed source(s): Steel making, shaping, and  
treating facility

Date of Issuance: December 21, 1981

Effective Date: December 21, 1981

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

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Ohio Environmental Protection Agency

  
Director

Substantial construction for installation must take place within eighteen months of the effective date of this permit. This deadline may be extended by up to twelve months, if application is made to the Director no less than sixty days before the expiration of this permit and the party shows good cause for any such extension.

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records or reports pertaining to the construction, modification or installation of the above described source of environmental pollutants.

The proposed source shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

The specified permit fee must be remitted within 15 days of the effective date of this permit to install.

This permit shall apply only to the source(s) shown on the application approved by the Ohio Environmental Protection Agency.

The appropriate District Office of the Ohio EPA or Local Air Pollution Control Agency shall be notified, in writing as to (a) the construction starting date (b) the construction completion date and (c) the date the facilities were placed into operation.

The permit holder shall conduct, or have conducted, performance testing of the subject air contaminant source(s) in accordance with procedures approved by the Agency and shall submit a written report, signed by the source owner, or his authorized agent, describing the test procedures followed and the results of such tests. The Director or his representative shall be allowed to witness the tests, examine testing equipment and acquire, or cause acquisition and/or submission of, data and information necessary to provide adequate assurance that source operation, process operating parameters and other conditions, together with testing procedures, provide a valid representation and proper characterization of the source's emissions and/or control equipment performance.

Such testing shall be planned, scheduled and implemented so as to provide for:

- (1) Prior written notification to the Ohio Environmental Protection Agency, through the appropriate District Office or Local Air Pollution Control Agency where the original application was filed. Such notification shall be made thirty (30) days in advance and shall specify the source operating parameters, the proposed test procedures and the time, date, place and person(s) conducting such tests.
- (2) Submittal of the test results report within thirty (30) days after the test completion.

The electric arc furnaces described in this Permit to Install and which are listed below, are subject to all applicable provisions of the New Source Performance Standards as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, and as delegated to the Ohio Environmental Protection Agency and are federally enforceable:

Subpart AA - Standards of Performance for steel plants:  
Electric arc furnaces

Pursuant to the above, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

1. Construction date
2. Anticipated start-up date (not more than 60 days or less than 30 prior to such date)
3. Actual start-up date (within 15 days after such date)
4. Date of performance testing

Reports are to be sent to:

Ohio Environmental Protection Agency  
Division of Authorization & Compliance  
361 East Broad Street  
Columbus, Ohio 43215

A copy of each of the above shall also be forwarded to:

United States Environmental Protection Agency  
Region V  
Air Enforcement Branch  
230 South Dearborn Street  
Chicago, Illinois 60604

Equipment for monitoring opacity shall be installed on the meltshop baghouse. The monitoring equipment shall be installed and maintained in accordance with the applicable portions of 40 CFR Part 60 - Standard of Performance for New Stationary Sources.

The Timken Company shall submit a revised comprehensive fugitive dust control plan for approval by the Ohio Environmental Protection Agency twelve months prior to the production of steel at this facility.

The Timken Company shall control fugitive dust from construction activities using good engineering practice.

The following emission limitations are considered Best Available Control Technology (B.A.C.T.) and are enforceable by the Ohio Environmental Protection Agency.

A. Meltshop Baghouse emissions

1. .0052 gr/dscf of particulate
2. .9 lb of carbon monoxide per ton of steel
3. 2.25 lb/hr of fluorides (gaseous and particulate)

B. Scarfing electrostatic precipitator emissions

1. .01 Gr/dscf of particulates

C. Billet grinding baghouse emissions

1. .02 Gr/dscf of particulates

D. Meltshop Truck Dump Collection Baghouse

1. .01 Gr/dscf of particulates

E. Meltshop alloy additive bin baghouse

1. .01 Gr/dscf of particulates

F. Fuel burning equipment whose primary purpose is to produce heat or power by either indirect or direct heat transfer.

1. .020 pounds of particulate/million BTU of actual heat input.
2. 0.25 pounds of nitrogen oxides/million BTU of actual heat input
3. .55 pounds of SO<sub>2</sub>/million BTU of actual heat input
4. 0.04 pounds of CO/million BTU of actual heat input.

The facility described in this Permit to Install is subject to all applicable provisions of the Prevention of Significant Deterioration (PSD) regulations as promulgated by the United States Environmental Protection Agency, 40 CFR 52.21, and as delegated to the Ohio Environmental Protection Agency and is federally enforceable.