OhioEPA
State of Ohio Environmental Protection Agency

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RECEIVED
JUN 18 1993
CANTON CITY HEALTH DEPT.
AIR POLLUTION DIVISION

George V. Voinovich
Governor

Donald R. Schregardus
Director

Re: Permit to Install
Stark County
Application No: 15-883
TOXIC REVIEW

CERTIFIED MAIL

June 16, 1993

METROPOLITAN INDUSTRIES INC
D H RENKERT
P O BOX 9240
CANTON, OH 44711

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 Ohio 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 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
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: US EPA
CANTON AIR POLLUTION CONTROL

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State of Ohio Environmental Protection Agency

Permit to Install
Terms and Conditions

Application No. 15-883
APS Premise No. 1576051149
Permit Fee: $780.00

Name of Facility: METROPOLITAN INDUSTRIES INC

Person to Contact: D H RENKERT

Address: P O BOX 9240
CANTON, OH 44711

Location of proposed source(s): 1201 MILLERTON ST SE
CANTON, OHIO

Description of proposed source(s):
NATURAL GAS FIRED TUNNEL KILN.

Date of Issuance: June 16, 1993

Effective Date: June 16, 1993

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.

Ohio Environmental Protection Agency

Donald R Schregardus

Director

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months, if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

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, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(s) 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.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application and a $15 application fee must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for METROPOLITAN INDUSTRIES INC located in Stark County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions and/ or Control & Usage Requirements
P006	Natural Gas Fired Tile Tunnel Kiln; Kiln #3	Limit of Sulfur Content in Raw Materials; Limit Of Amount of Raw Materials Used In a Day; Natural Gas Usage; 45 meter High Stack For Sources P004, P005 and P006	3745-31-05 3745-17-07 3745-18-06 (D)(1) 3745-17-11	3 lbs PM/hr 13.14 tons PM/yr 14.25 lbs SO_2/~~yr~~ hr *231.13 tons SO_2/yr 5 lbs NO_x/hr 21.9 tons NO_x/yr 2.2 lbs Fluorides/ hr; 9.64 tons Fluorides/yr

* The combined SO_2 emissions from P004, P005 and P006.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
SO_2	231.13 **
PM	13.14
NO_x	21.9
Fluorides	9.64

** Combined emissions from P004, P005 and P006.

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report shall be submitted and signed by the person responsible for the test, describing the test procedures followed and the results of such tests. The Director, or an Ohio EPA representative, shall be allowed to witness the tests, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

1. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 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. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.

3. Tests shall be performed for the following sources and pollutants:

Source	Pollutant(s)
P006	SO_2, Fluorides

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Canton Air Pollution Control, 218 Cleveland Ave. SW, 3rd Floor, City Hall, Canton, Ohio 44702.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with written certification (see enclosed form) that the facility has constructed in accordance with the permit to install application and the terms and conditions of the permit to install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. The sulfur content of the raw materials (clay and shale) used in kilns [#1 (P004), #2 (P005) and #3 (P006)] shall not exceed .157% on a monthly weighted average. This limit may be adjusted based on the stack test results after startup. A weekly analysis of sulfur content taken from daily clay and shale samples should be determined.

   At any one time, only two the three kilns can be using a 100% clay mix with no shale. The third kiln must be using a mix with a shale content of at least 40%.

   No more than 79 tons of raw materials shall be used in each kiln in any one day.

   The facility shall maintain monthly records which:

   1. list the average sulfur content (percent) of daily clay and shale composite samples;
   2. list the clay and sulfur content of mixes used in each kiln each day; and
   3. list the daily tonnage of the clay and shale used in each kiln.

   These monthly records shall be retained in the facility files for at least two (2) years and shall be made available for inspection upon request of the Director or any authorized representative of the Director during normal business hours.

   This facility shall submit quarterly reports to the Canton City Health Department, Air Pollution Control Division, 420 Market Ave North, Canton, Ohio 44702, which summarize:

   1. the monthly weighted average sulfur content of the raw materials (clay and shale) used;
   2. the daily clay and shale content of raw material used; and
   3. the daily tonnage of the raw materials (clay and shale) used in each of the three kilns.

   These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the previous calendar quarter.

2. The stack servicing kiln (P006) will be a minimum of 45 meters high above the ground.

3. The stack test on this source shall include an analysis of the sulfur content of the raw materials (clay and shale).

4. This facility shall not operate P006 without the exhaust from P006 being directed into the 45 meter stack servicing P006. This facility must obtain permission from the Canton Air Agency at least three days before operating P006 when the exhaust from P006 is not directed into the 45 meter stack.