



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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P.O. Box 1049  
Columbus, OH 43216-1049

July 6, 1995

CERTIFIED MAIL

Re: Modification to Permit to Install No. 15-248  
Stark County

Metropolitan Industries  
P.O. Box 9240  
Canton, OH 44711

Attention: D.H. Renkert

Enclosed please find a modification to the Ohio EPA Permit to Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 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, OH 43215.

Very truly yours,

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

Enclosure

cc: US EPA  
Canton APC

## Permit to Install Terms and Conditions

Issuance Date: July 6, 1995  
Effective Date: July 6, 1995  
Modification Fee: \$300.00

### OHIO ENVIRONMENTAL PROTECTION AGENCY

#### MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: Metropolitan Industries  
Address: 1201 Millerton Rd., SE  
City: Canton, OH 44707

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to Metropolitan Industries is hereby modified in the following manner:

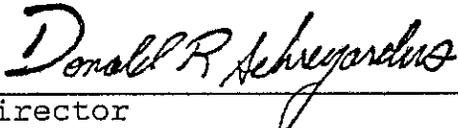
Terms and Conditions on pages 3 and 4 of Permit to Install issued on December 12, 1984.

The reason for the modification is:

Changes needed to show SO2 and fluoride allowables in PTI 15-248 issued on December 12, 1984, as requested by the company.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency

  
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Director



# Permit to Install Terms and Conditions

Application No.	<u>15-248</u>
APS Premise No.	<u>1576051149</u>
Permit Fee:	<u>\$585.00</u>

Name of Facility: Metropolitan Industries

Person to Contact: Douglas J. Sevick

Address: 1201 Millerton Rd., S.E.  
Canton, Ohio 44704

Location of proposed source(s): 1201 Millerton Rd. S.E.  
Canton, Ohio

Description of proposed source(s): Gas Fired Tunnel Kiln and Tunnel  
Dryer with Heat Recuperator

Date of Issuance: December 12, 1984

Effective Date: December 12, 1984

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

Director

METROPOLITAN INDUSTRIES

Application No. 15-248

Page 2 of 4

December 12, 1984

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.

If the construction of the proposed source 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 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.

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

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for METROPOLITAN INDUSTRIES 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P004	Natural gas fired tile tunnel kiln; Kiln #1	Limit on the amount of sulfur in raw materials	3745-31-05 3745-17-07 3745-17-11 3745-18-06 (D)(1)	The following are the combined allowables for P004, P005 and P006. 62 lbs SO <sub>2</sub> /hr 10,416 lbs SO <sub>2</sub> /week *9.06 lbs FL/hr 12.82 lbs NO <sub>x</sub> /hr *18 lbs PM/hr

\*Both gaseous and particulate fluorides as captured by test Method 13A.

SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
SO <sub>2</sub>	245
FL	*39.68
NO <sub>x</sub>	56
PM	78.84

The emission allowables in this Air Emission Summary are for the combined emissions from P004, P005, and P006.

ADDITIONAL TERMS & CONDITIONS

1. Daily samples will be taken of the raw materials (clay and shale) used in tile production. A composite sample, accumulated from a seven day period, will be analyzed to determine the weekly weighted average sulfur content of the raw materials used to make tile that week. Each week this procedure shall be repeated.

The total amount of sulfur in the raw materials used in P004, P005 and P006 shall not exceed 7,000 lbs. in any one week. This amount of sulfur will be determined by multiplying the tons of raw material (dry weight) used in a week times the weekly weighted average sulfur content of the raw materials.

The total amount of sulfur in the raw materials used in P004, P005 and P006 shall not exceed 78,525 lbs. in any one quarter. This number was arrived at using this calculation:

$$\begin{aligned} 245 \text{ tons SO}_2/\text{year} \times 2000 \text{ lb/ton} &= 490,000 \text{ lb SO}_2/\text{year} \\ 490,000 \text{ lb SO}_2/\text{year} \div 2 &= 245,000 \text{ lb S/year} \quad \text{S} + \text{O}_2 = \\ \text{SO}_2 \quad [32 + 2(16) = 64] & \\ 240,000 \text{ lb S/year} \div 0.78 \text{ (22\%)} &\text{ of S retained in final product) =} \\ 314,103 \text{ lb S/year} & \\ 314,103 \text{ lb S/year} \div 4 \text{ (4 quarters in year)} &= 78,525 \text{ lb S/quarter} \end{aligned}$$

This amount of sulfur will be determined by multiplying the tons of raw material (dry weight) times the quarterly weighted average sulfur content of the raw materials. This facility shall maintain records of the following:

- Weekly weighted average sulfur content of raw materials in percent;
- Weekly production rate for each kiln;
- Weekly weight of sulfur in raw materials in tons; and
- Quarterly weight of sulfur in raw materials in tons.

These 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, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702, which lists:

- Weekly weighted average sulfur content of raw materials in percent;
- Weekly production rate for each kiln;
- Weekly weight of sulfur in raw materials in tons; and
- Quarterly weight of sulfur in raw materials in tons.

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 kilns P004, P005 and P006 shall be a minimum height of 45 meters from ground level. The only fuel used in these sources shall be natural gas.