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Facility Name: **U.S. Ceramic Tile Company**

Application Number: **15-1326**

Date: **February 18, 1999**

### **GENERAL PERMIT CONDITIONS**

#### **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 SOURCES**

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 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

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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 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 30 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.

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### **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 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 filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal &amp; OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|---|--|
|-------------------------------|-------------------------------------|--------------------------|---|--|

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **U.S. Ceramic Tile Company** located in **Stark** County. The emissions units 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>  |
|-------------------------------|---|---|---|---|
| P075                          | #10 Fast Fire Ceramic Tile Press and Brushes with Fabric Filter for the #10 fast fire ceramic wall tile production line | Use of fabric filter and compliance with the terms and conditions of this permit. | 3745-17-07<br>3745-17-11<br>3745-31-05    | BAT is more restrictive<br>BAT is more restrictive<br>particulate matter: 0.01 gr/dscf or there shall be no visible particulate emissions from the fabric filter exhaust stack, whichever is less stringent |

SUMMARY

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TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u>   | <u>Tons/Year</u> |
|--------------------|------------------|
| particulate matter | 4.4              |

\* Note: The allowable emissions information contained under this Summary section is for informational purposes only and is not enforceable.

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Air Pollution Control Division, Canton City Health Dept., 420 Market Avenue North, Canton, Ohio 44702-1544.**

**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**

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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 **Air Pollution Control Division, Canton City Health Dept., 420 Market Avenue North, Canton, Ohio 44702-1544.**

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.

#### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

##### **A. Operational Restrictions**

1. This emissions unit shall be serviced by a fabric filter which will limit the outlet grain loading such that emissions will not exceed 0.01 gr/dscf.
2. The maximum annual production rate shall not exceed 15,250 tons.
3. The pressure drop across the fabric filter shall be maintained within the range recommended by the manufacturer to ensure proper operation of the fabric filter.

##### **B. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain annual records of the actual production rate for each calendar year in tons/year.

##### **C. Reporting Requirements**

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1. If the permittee exceeds the annual production rate noted in Condition A.2, the permittee shall submit a written report of this exceedance to the Canton LAA within 30 days of the exceedance. The exceedance report, at a minimum, shall identify the actual production rate for the calendar year of concern. A report is only required if an exceedance occurs.

**D. Compliance Methods and Emission Testing Requirements**

1. Compliance with the emissions limitations of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation

0.01 gr/dscf

Applicable Compliance Method

Compliance with the visible emission limitation. Otherwise, if necessary, Method 5 of 40 CFR Part 60, Appendix A shall be used to verify compliance.

- b. Emission Limitation

4.4 ton/year of particulate matter

Applicable Compliance Method

The ton per year limitation was developed by first converting the 0.01 gr/dscf to 1.0 lb PM/hr based on 13,000 acfm (0.9 correction factor for moisture). The ton per year limit was then determined by multiplying the lbs PM/hour by the maximum operating schedule of 8760 hours/year, and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Visible Emission Limitation

There shall be no visible emissions from the

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fabric filter exhaust stack

Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A shall be used to verify compliance.

2. If deemed necessary by the Canton City Health Department Air Pollution Control (CCHAPC), performance testing shall be completed in accordance with the following:
  - a. The test(s) shall be conducted while the emission unit is operating at or near the maximum capacity unless otherwise specified by the CCHDAPC.
  - b. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit 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 Canton Air Pollution Control's refusal to accept the results of the emission test(s).

Personnel from the Canton Air Pollution Control shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Canton Air Pollution Control within 30 days following completion of the test(s).

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**E. Miscellaneous Requirements**

1. The capture efficiency of the PM collection systems shall be sufficient to minimize or eliminate visible particulate emissions at the points of capture.