

Facility ID: 1318000379 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit P001](#)
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Facility ID: 1318000379 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
An Indirect Gas-Fired Fluorspar Rotary Drying Kiln with a 12,500 ACFM Baghouse.	OAC Rule 3745-17-07	Visible particulate emissions from this emissions unit shall not exceed twenty percent (20%) opacity, as a 6-minute average.
	OAC Rule 3745-17-11	The particulate emissions generated from this emissions unit shall not exceed 16.5 pounds per hour.

2. Additional Terms and Conditions

- (a) The permittee shall maintain good housekeeping around the kiln, the floor and the yard by keeping the area reasonably free and clean of material accumulation to prevent and to minimize fugitive dust emissions.
The baghouse installed on this emissions unit for the control of particulate emissions shall be operated and maintained in accordance with the manufacturer's specifications, instructions, and operating manuals.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 5.5 to 6.5 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep the following information on a monthly basis:
 - a. name, type, and the description of the materials processed; and
 - b. quantity and volume of each material processed.
2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
3. Records concerning this permit shall be available during normal business hours upon request from personnel of OEPA field office or any other agent of the OEPA.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range of 5.5 to 6.5 inches of water.
2. The deviation reports shall be submitted as specified in General Condition 3 of this permit.

E. Testing Requirements

1. Compliance with the emission limitation (s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 20% opacity, as a 6-minute average

Applicable Compliance Method: Compliance with the visible emission limitations shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(1).

b. Emission Limitation: 16.5 lbs particulate per hour

Applicable Compliance Method: Compliance with the particulate emission limitation shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(10).

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after this permit is issued.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.

c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: Method 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Loading & Handling Operation of Calcium Fluorspar	OAC Rule 3745-17-07 (B)	Visible particulate emissions from this fugitive dust emission unit shall not exceed twenty percent (20%) opacity as a three-minute average. See A.2.a
	OAC Rule 3745-17-08 (B)	

- 2. **Additional Terms and Conditions**
 - (a) The permittee shall employ a totally enclosed bucket elevator for the loading, unloading, and transferring operation to minimize and eliminate visible emissions of fugitive dust.
- B. **Operational Restrictions**
 - 1. None
- C. **Monitoring and/or Record Keeping Requirements**
 - 1. None
- D. **Reporting Requirements**
 - 1. None
- E. **Testing Requirements**
 - 1. Compliance with the emission limitation (s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - Emission Limitation: 20% opacity, as a 3-minute average
 - Applicable Compliance Method: Compliance with the visible emission limitation shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(3).
- F. **Miscellaneous Requirements**
 - 1. None

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Facility ID: 1318000379 Emissions Unit ID: P003 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Calcium Fluorspar Storage Piles	OAC Rule 3745-17-07 (B)	There shall be no visible particulate emissions from any material storage piles except for a period of time not to exceed thirteen (13) minutes during any sixty-minute observation period. See A.2.a below.
	OAC Rule 3745-17-08 (B)	

- 2. **Additional Terms and Conditions**
 - (a) The permittee shall minimize or eliminate fugitive dust by:
 - i. Watering all storage piles and surrounding areas periodically.
 - ii. Maintaining of each storage pile height as low as possible to reduce wind erosion.
 - iii. Reducing drop height of front-end loader buckets during load-in operation.
 - iv. Keeping vehicle speed as slow as possible when driving vehicles around storage piles.
- B. **Operational Restrictions**
 - 1. None
- C. **Monitoring and/or Record Keeping Requirements**
 - 1. The permittee shall maintain daily records for each storage pile which include the following information:
 - a. The name and date of each storage pile that was treated.
 - b. The manner in which the storage pile that was treated.

- c. The application rate of water and any chemical additives.
 - d. The name of the equipment operator responsible for the treatment.
 - e. The general weather conditions for each day, i.e., with respect to temperature, precipitation, and wind speed.
- D. **Reporting Requirements**

- 1. None
- E. **Testing Requirements**

- 1. Compliance with the emission limitation (s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - Emission Limitation: No visible particulate emissions except for a period of time not to exceed thirteen (13) minutes during any 60-minute observation period.
 - Applicable Compliance Method: Compliance with the visible emission limitation shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(4).

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318000379 Emissions Unit ID: P004 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Automatic Bagging Dried Calcium Fluoride Machines	OAC Rule 3745-17-07 (B)	Visible particulate emissions from this emissions unit shall not exceed twenty percent (20%) opacity as a three-minute average. See A.2.a
	OAC Rule 3745-17-08 (B)	

- 2. **Additional Terms and Conditions**
 - (a) The permittee shall maintain good housekeeping around the bagging machines, the floor and the yard by keeping the area reasonably free and clean of material accumulation to prevent and to minimize fugitive dust emissions.

B. **Operational Restrictions**

- 1. None

C. **Monitoring and/or Record Keeping Requirements**

- 1. None

D. **Reporting Requirements**

- 1. None

E. **Testing Requirements**

- 1. Compliance with the emission limitation (s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - Emission Limitation: 20% opacity, as a 3-minute average
 - Applicable Compliance Method: Compliance with the visible emission limitation shall be determined in

accordance with the test method and procedures in OAC rule 3745-17-03 (B)(3).

F. **Miscellaneous Requirements**

1. None