

Facility ID: 0125092408 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](#)
- [Go to Part II for Emissions Unit P002](#)
- [Go to Part II for Emissions Unit P003](#)

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Facility ID: 0125092408 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>
Grinding Mill 1 with cyclone and bag house	OAC rule 3745-31-05	0.08 lb PE/hr, 0.35 TPY PE;
	OAC rule 3745-17-07	no visible emissions
	OAC rule 3745-17-11	Less stringent than the above opacity limit per OAC rule 3745- 31-05
		Less stringent than the above particulate limit per OAC rule 3745- 31-05

**2. Additional Terms and Conditions**

- (a) 0.08 lb PE/hour represents the maximum potential to emit with controls for the 800 lb/hr capacity grinding mill; therefore, it is not necessary to develop record keeping to determine compliance for this limitation.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1-8 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be 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 daily basis.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

1. In accordance with the General Terms and Conditions of this permit 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 specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

**E. Testing Requirements**

1. Emission Limitation:  
0.08 lb PE/hr, 0.35 TPY PE;  
  
Applicable Compliance Method:  
Maximum production for Grinding Mill #1 is 800 #/hr. If the baghouse is operating according to specifications, it would be 99% efficient. If the cyclone is operating according to specifications it would be 99% efficient. Compliance with the emission limit can be demonstrated through a one time calculation:  $(800 \text{ \#/hr})(1-0.99)(1-0.99) = 0.08 \text{ \#/hr}$ . Annual emissions would then be  $(0.08 \text{ \#/hr})(8760 \text{ hours})/2000 \text{ \#/ton} = 0.35 \text{ TPY}$ . If required, emission tests, using USEPA Methods 1-5, shall be performed to demonstrate compliance with the hourly emission limit.
  2. Emission Limitation:  
no visible emissions  
  
Applicable Compliance Method:  
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.
- F. Miscellaneous Requirements**
1. None

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Facility ID: 0125092408 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

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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>
Grinding Mill 2 with cyclone and bag house	OAC rule 3745-31-05	0.25 lb PE/hr, 1.1 TPY PE; No visible emissions
	OAC rule 3745-17-07	Less stringent than the above opacity limit per OAC rule 3745-31-05
	OAC rule 3745-17-11	Less stringent than the above particulate limit per OAC rule 3745-31-05

2. **Additional Terms and Conditions**
  - (a) 0.25 lb PE/hour represents the maximum potential to emit with controls for the 2500 lb/hr capacity grinding mill; therefore, it is not necessary to develop record keeping to determine compliance for this limitation.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1-8 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be 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 daily basis.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

- 1. In accordance with the General Terms and Conditions of this permit 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 specified above.
- 2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

**E. Testing Requirements**

- 1. Emission Limitation:  
0.25 lb PE/hr, 1.1 TPY PE;  
  
Applicable Compliance Method:  
Maximum production for Grinding Mill #1 is 2500 #/hr. If the baghouse is operating according to specifications, it would be 99% efficient. If the cyclone is operating according to specifications it would be 99% efficient. Compliance with the emission limit can be demonstrated through a one time calculation: (2500 #/hr)(1-0.99)(1-0.99) = 0.25 #PM/hr. Annual emissions would then be (0.25 #PM/hr)(8760 hours)/2000 #/ton = 1.1 TPY. If required, emission tests, using USEPA Methods 1-5, shall be performed to demonstrate compliance with the hourly emission limit.
- 2. Emission Limitation:  
no visible emissions  
  
Applicable Compliance Method:  
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

**F. Miscellaneous Requirements**

- 1. None

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Facility ID: 0125092408 Emissions Unit ID: P003 Issuance type: Final State Permit To Operate

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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>
Grinding Mill 3 with cyclone and bag house	OAC rule 3745-31-05	0.25 lb PE/hr, 1.1 TPY PE; no visible emissions
	OAC rule 3745-17-07	Less stringent than the above opacity limit per OAC rule 3745-31-05
	OAC rule 3745-17-11	Less stringent than the above particulate limit per OAC rule 3745-31-05

**2. Additional Terms and Conditions**

- (a) 0.25 lb PE/hour represents the maximum potential to emit with controls for the 2500 lb/hr capacity grinding mill; therefore, it is not necessary to develop record keeping to determine compliance for this limitation.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1-8 inches of water while the emissions unit is in operation.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be 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 daily basis.
  2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
    - a. the color of the emissions;
    - b. whether the emissions are representative of normal operations;
    - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
    - d. the total duration of any visible emission incident; and
    - e. any corrective actions taken to eliminate the visible emissions.
- D. Reporting Requirements**
1. In accordance with the General Terms and Conditions of this permit 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 specified above.
  2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
- E. Testing Requirements**
1. Emission Limitation  
0.25 lb PE/hr, 1.1 TPY PE;  
  
Applicable Compliance Method  
Maximum production for Grinding Mill #1 is 2500 #/hr. If the baghouse is operating according to specifications, it would be 99% efficient. If the cyclone is operating according to specifications it would be 99% efficient. Compliance with the emission limit can be demonstrated through a one time calculation:  $(2500 \text{ #/hr})(1-0.99)(1-0.99) = 0.25 \text{ #PM/hr}$ . Annual emissions would then be  $(0.25 \text{ #PM/hr})(8760 \text{ hours})/2000 \text{ #/ton} = 1.1 \text{ TPY}$ . If required, emission tests, using USEPA Methods 1-5, shall be performed to demonstrate compliance with the hourly emission limit.
  2. Emission Limitation  
no visible emissions  
  
Applicable Compliance Method  
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.
- F. Miscellaneous Requirements**
1. None