

Facility ID: 1652100008 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 P901](#)
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Facility ID: 1652100008 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>
P001 - raw materials placed in weigh feeder, then transferred to pneumatic blender/mixer; particulate emissions (PE) controlled by dust collector (baghouse) system.	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Fugitive dust shall be controlled at all emission points. The permittee shall employ enclosures, hoods, vinyl boots, ducts, fans, and other equipment, as necessary, to adequately enclose, contain, and capture emissions of fugitive dust, and vent the captured dust to a baghouse. The collection efficiency shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.
	OAC rule 3745-17-11(B)	The permittee shall operate and maintain each baghouse serving this emissions unit in accordance with the manufacturer's specifications, instructions and operating manual(s). PE shall not exceed 35.4 pounds/hour (stack emissions). (Based upon Table I, which is more stringent than Figure II. Maximum process weight rate confidential.)

2. Additional Terms and Conditions

- (a) The PE emissions limit of 35.4 pounds per hour specified by OAC rule 3745-17-11(B) is greater than the potential to emit of this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure ongoing compliance with this emissions limit.

However, the permittee shall apply for and, if required, obtain a final permit to install prior to equipment replacement or any proposed modification of equipment or production procedures, or any other change that would increase the potential emissions of any air pollutant.

B. Operational Restrictions

1. The permittee shall employ each baghouse serving this emissions unit at all times the emissions unit is in operation.
2. The pressure drop across each baghouse serving this emissions unit shall be maintained within the range of 0 to

6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document when any baghouse serving this emissions unit was not in service when the emissions unit was in operation.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse serving this emissions unit, 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 each baghouse on a weekly basis.
3. The permittee shall perform weekly checks, when the emissions unit is in operation and when weather conditions allow, for any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit. The presence or absence of any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit shall be noted weekly in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in an 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 determined cause of the abnormal emissions if a cause can be determined upon investigation;
 - d. the total duration of the visible emissions incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing any baghouse serving this emissions unit was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across any baghouse serving this emissions unit did not comply with the allowable range specified above. These reports are due by the dates described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
3. The permittee shall submit on a semiannual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the emissions unit and/or any baghouse serving this emissions unit and (b) describes the corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted by January 31 and July 31 of each year to the Director (District Office or local air agency).

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation: Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitation: Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(3).

Emission Limitation: PE shall not exceed 35.4 pounds/hour (stack emissions)

Applicable Compliance Method: If required, compliance shall be determined in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 5 and the methods and procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. None

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Facility ID: 1652100008 Emissions Unit ID: P901 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>
P901 - pneumatic/mechanical conveyance and storage of raw and finished materials; particulate emissions (PE) controlled by dust collector (baghouse) system.	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	Fugitive dust shall be controlled at all emission points. The permittee shall employ enclosures, hoods, vinyl boots, ducts, fans, and other equipment, as necessary, to adequately enclose, contain, and capture emissions of fugitive dust, and vent the captured dust to a baghouse. The collection efficiency shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.
	OAC rule 3745-17-11(B)	The permittee shall operate and maintain each baghouse serving this emissions unit in accordance with the manufacturer's specifications, instructions and operating manual(s). PE shall not exceed 26.3 pounds/hour (stack emissions). (Based upon Table I, which is more stringent than Figure II. Maximum process weight rate confidential.)

2. Additional Terms and Conditions

(a) The PE emissions limit of 26.3 pounds per hour specified by OAC rule 3745-17-11(B) is greater than the potential to emit of this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure ongoing compliance with this emissions limit.

However, the permittee shall apply for and, if required, obtain a final permit to install prior to equipment replacement or any proposed modification of equipment or production procedures, or any other change that would increase the potential emissions of any air pollutant.

B. Operational Restrictions

1. The permittee shall employ each baghouse serving this emissions unit at all times the emissions unit is in operation.
2. The pressure drop across each baghouse serving this emissions unit shall be maintained within the range of 0 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document when any baghouse serving this emissions unit was not in service when the emissions unit was in operation.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse serving this emissions unit, 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 each baghouse on a weekly basis.
3. The permittee shall perform weekly checks, when the emissions unit is in operation and when weather conditions allow, for any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit. The presence or absence of any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit shall be noted weekly in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in an 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 determined cause of the abnormal emissions if a cause can be determined upon investigation;
 - d. the total duration of the visible emissions incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing any baghouse serving this emissions unit was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District

Office or local air agency) within 30 days after the event occurs.

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across any baghouse serving this emissions unit did not comply with the allowable range specified above. These reports are due by the dates described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
3. The permittee shall submit on a semiannual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the emissions unit and/or any baghouse serving this emissions unit and (b) describes the corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted by January 31 and July 31 of each year to the Director (District Office or local air agency).

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation: Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(1).
Emission Limitation: Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(3).
Emission Limitation: PE shall not exceed 26.3 pounds/hour (stack emissions)

Applicable Compliance Method: If required, compliance shall be determined in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 5 and the methods and procedures specified in OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. None

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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>
P903 - surge bin, hammer mill de-lumper, small feed hopper, and screw conveyor; particulate emissions (PE) and emissions of 10-micrometer particulate matter (PM10) controlled by dust collector (baghouse) system.	OAC rule 3745-31-05(A)(3) (PTI 16-01578)	PM10 emissions shall not exceed 0.23 pound/hour and 1.0 ton/year (stack emissions).
	OAC rule 3745-17-07(A)	This emissions unit shall be operated and maintained as an enclosed system. PE shall be vented to each baghouse serving this emissions unit. Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-	Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

08)
 OAC rule 3745-17-08(B)
 (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)

Fugitive dust shall be controlled at all emission points. The permittee shall employ enclosures, hoods, vinyl boots, ducts, fans, and other equipment, as necessary, to adequately enclose, contain, and capture emissions of fugitive dust, and vent the captured dust to a baghouse. The collection efficiency shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.

The permittee shall operate and maintain each baghouse serving this emissions unit in accordance with the manufacturer's specifications, instructions and operating manual(s).
 PE shall not exceed 41.3 pounds/hour (stack emissions).
 (Based upon Table I, which is more stringent than Figure II. Maximum process weight rate confidential.)

OAC rule 3745-17-11(B)

2. Additional Terms and Conditions

- (a) The PM10 emissions limit of 0.23 pound per hour established pursuant to OAC rule 3745-31-05(A)(3) reflects the potential to emit of this emissions unit; and the PE emissions limit of 41.3 pounds per hour specified by OAC rule 3745-17-11(B) is greater than the potential to emit of this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure ongoing compliance with these emissions limits.

However, the permittee shall apply for and, if required, obtain a final permit to install prior to equipment replacement or any proposed modification of equipment or production procedures, or any other change that would increase the potential emissions of any air pollutant.

B. Operational Restrictions

- 1. The permittee shall employ each baghouse serving this emissions unit at all times the emissions unit is in operation.
- 2. The pressure drop across each baghouse serving this emissions unit shall be maintained within the range of 0 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall document when any baghouse serving this emissions unit was not in service when the emissions unit was in operation.
- 2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse serving this emissions unit, 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 each baghouse on a weekly basis.
- 3. The permittee shall perform weekly checks, when the emissions unit is in operation and when weather conditions allow, for any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit. The presence or absence of any visible particulate emissions from the emissions unit and/or any baghouse serving this emissions unit shall be noted weekly in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in an 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 determined cause of the abnormal emissions if a cause can be determined upon investigation;
 - d. the total duration of the visible emissions incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing any baghouse serving this emissions unit was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
- 2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across any baghouse serving this emissions unit did not comply with the allowable range specified above. These reports are due by the dates described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
- 3. The permittee shall submit on a semiannual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the emissions unit and/or any baghouse serving this emissions unit and (b) describes the corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted by January 31 and July 31 of each year to the Director (District Office or local air agency).

E. Testing Requirements

- 1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation: Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitation: Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 9 and the methods and procedures specified in OAC rule 3745-17-03(B)(3).

Emission Limitation: PE shall not exceed 41.3 pounds/hour (stack emissions)

Applicable Compliance Method: If required, compliance shall be determined in accordance with the requirements in 40 CFR Part 60, Appendix A, Method 5 and the methods and procedures specified in OAC rule 3745-17-03(B)(10).

Emission Limitation: PM10 emissions shall not exceed 0.23 pound/hour and 1.0 ton/year (stack emissions).

Applicable Compliance Method: If required, compliance shall be determined in accordance with the requirements in 40 CFR Part 51, Appendix M, Method 201/201A.

F. **Miscellaneous Requirements**

1. None