

Facility ID: 1677000243 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.

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[Go to Part II for Emissions Unit P902](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

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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>
Magnetic separator process controlled by a fabric filter (baghouse)	OAC rule 3745-31-05 See F.1 below.	5% opacity as a 6-minute average, except as provided by rule, for stack emissions no visible particulate emissions from building ventilation (includes vents, windows, doors, etc.). See A.2.a below. See A.2.b below.
	OAC rule 3745-17-07 See F.1 below.	See A.2.b below.
	OAC rule 3745-17-08 See F.1 below.	2.6 lbs/hr of particulate matter See A.2.c below.
	OAC rule 3745-17-11 See F.1 below.	

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate matter emissions from this emissions unit. The control technology shall include the following:
 - i. installation and employment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), a baghouse (Baghouse ID # 1) to adequately control particulate matter emissions from the hopper/magnetic-separator, collection devices, shaker and vibrating tables; and
 - ii. the installation and employment of hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate matter to Baghouse # 1.
The visible particulates emission limitations required in OAC rules 3745-17-07 and 3745-17-08 are less stringent than the emission limitations required by BAT.
This hourly particulates emission rate, based on a maximum process weight rate of 1000 lbs/hr, is given by Table I of OAC 3745-17-11, which is more stringent than Figure 2 of OAC 3745-17-11.

B. Operational Restrictions

1. The pressure drop across Baghouse # 1 shall be maintained within the range of 2 to 6 inches of water, while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. 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 daily basis.

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 specified above.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition 3.

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:
 2.6 lbs/hr of particulate matter
 Applicable Compliance Method:
 Stack testing may be required to demonstrate compliance per OAC rule 3745-17-03(B)(10).
 Emissions Limitation:
 5% opacity as a 6-minute average
 Applicable Compliance Method:
 OAC rule 3745-17-03(B)(1)
 Emissions Limitation:
 no visible particulate emissions from building ventilation
 Applicable Compliance Method:
 OAC rule 3745-17-03(B)(4)

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1722, as issued on December 30, 1997: A, B, C, D, E, and F.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.
3. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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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>
Electrostatic separator process controlled by two fabric filters (baghouses)	OAC 3745-31-05 See F.1 below.	5% opacity as a 6-minute average, except as provided by rule, for stack emissions no visible particulate emissions from building ventilation (includes vents, windows, doors, etc.) See A.2.a below See A.2.b below.

OAC rule 3745-17-07
See F.1 below.

See A.2.b below.

OAC rule 3745-17-08
See F.1 below.

1.6 lbs/hr (7.0 TPY) particulates
See A.2.c below.

OAC rule 3745-17-11
See F.1 below.

2. Additional Terms and Conditions

(a) This hourly particulates emission rate, based on a maximum process weight rate of 500 lbs/hr, is given by Table I of OAC 3745-17-11, which is more stringent than Figure 2 of OAC 3745-17-11. The permittee shall employ best available technology (BAT) to control particulate matter emissions from this emissions unit. The control technology shall include the following:

i. installation and employment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), a baghouse (Baghouse ID # 2A) to adequately control particulate matter emissions from the hopper/electrostatic-separator, collection devices, hopper/de-duster/rotary-magnet, cyclone, and shaker table;

ii. installation and employment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), a baghouse (Baghouse ID # 2B) to adequately control particulate matter emissions from the hopper/electrostatic-separator; and

iii. the installation and employment of hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate matter to both Baghouse # 2A and Baghouse # 2B. The visible particulate emission limitations required in OAC rules 3745-17-07 and 3745-17-08 are less stringent than the emission limitations required by BAT.

B. Operational Restrictions

1. The pressure drop across Baghouse # 2A shall be maintained within the range of 2 to 6 inches of water, while the emissions unit is in operation.
2. The pressure drop across Baghouse # 2B shall be maintained within the range of 2 - 6 inches of water, while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each of the baghouses 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 each of the baghouses on a daily basis.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop(s) across the baghouse(s) did not comply with the allowable range(s) specified above.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition 3.

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:

1.6 lbs/hr of particulate matter

Applicable Compliance Method:

Stack testing may be required to demonstrate compliance per OAC rule 3745-17-03(B)(10).

Emissions Limitation:

5% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

Emissions Limitation:

no visible particulate emissions from building ventilation

Applicable Compliance Method:

OAC rule 3745-17-03(B)(4)

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1722, as issued on December 30, 1997: A, B, C, D, E, and F.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.
3. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted

emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.