

Facility ID: 1652050182 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](#)
- [Go to Part II for Emissions Unit P004](#)
- [Go to Part II for Emissions Unit P006](#)
- [Go to Part II for Emissions Unit P007](#)
- [Go to Part II for Emissions Unit P008](#)
- [Go to Part II for Emissions Unit P009](#)
- [Go to Part II for Emissions Unit P010](#)
- [Go to Part II for Emissions Unit P011](#)
- [Go to Part II for Emissions Unit P012](#)
- [Go to Part II for Emissions Unit P013](#)
- [Go to Part II for Emissions Unit P014](#)

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

Facility ID: 1652050182 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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 (High Speed Mixer #1) mixing paint resin solids and solvents, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.80 lb/hr, 19 lbs/day, & 3.5 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).
 The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods,

enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

H = 0.1 lb/hr of PM [hourly controlled potential emissions];
 Y = 0.4 TPY of PM [yearly controlled potential emissions];
 V = 996 DSCFM [maximum fabric filter system exhaust flow]; and
 O = 0.01 grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the

equations below:

H = PSE;
 D = H(24 hours/day);
 Y = H(8760 hours/year)(1 ton/2000 pounds);

Where,

H = 0.80 lb/hr of OCs [hourly potential emissions];
 D = 19 lbs/day of OCs [daily potential emissions];
 Y = 3.5 TPY of OCs [yearly potential emissions];
 P = 214 lbs/hr of production [equipment design capacity];
 S = 0.5 lb solvent used in production/1 lb production [maximum weight % solvent]; and
 E = 0.0075 lb OCs emitted/1 lb solvent used in production [company emission factor].

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P002 (High Speed Mixer #2) mixing paint resin solids and solvents, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.19 lb/hr, 4.5 lbs/day, & 0.82 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.19 lb/hr, 4.5 lbs/day, & 0.82 TPY OCs emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process

materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above Particulate emissions (PE) limitations were established as specified in the equations below:

$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$

$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$

$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$

$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$

$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.19 lb/hr, 4.5 lbs/day, & 0.82 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

H = PSE;
 D = H(24 hours/day);
 Y = H(8760 hours/year)(1 ton/2000 pounds);

Where,

H = 0.19 lb/hr of OCs [hourly potential emissions];
 D = 4.5 lbs/day of OCs [daily potential emissions];
 Y = 0.82 TPY of OCs [yearly potential emissions];
 P = 50 lbs/hr of production [equipment design capacity];
 S = 0.5 lb solvent used in production/1 lb production [maximum weight % solvent]; and
 E = 0.0075 lb OCs emitted/1 lb solvent used in production [company emission factor].

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P003 (Paint Mill #1) paint dispersion mill, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.38 lb/hr, 9 lbs/day, & 1.6 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.38 lb/hr, 9 lbs/day, & 1.6 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

- b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above Particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

H = 0.1 lb/hr of PM [hourly controlled potential emissions];
 Y = 0.4 TPY of PM [yearly controlled potential emissions];
 V = 996 DSCFM [maximum fabric filter system exhaust flow]; and
 O = 0.01 grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.38 lb/hr, 9 lbs/day, & 1.6 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

H = PSE;
 D = H(24 hours/day);
 Y = H(8760 hours/year)(1 ton/2000 pounds);

Where,

H = 0.38 lb/hr of OCs [hourly potential emissions];
 D = 9 lbs/day of OCs [daily potential emissions];
 Y = 1.6 TPY of OCs [yearly potential emissions];
 P = 100 lbs/hr of production [equipment design capacity];
 S = 0.5 lb solvent used in production/1 lb production [maximum weight % solvent]; and
 E = 0.0075 lb OCs emitted/1 lb solvent used in production [company emission factor].

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P004 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P004 (Paint Mill #2) paint dispersion mill, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.28 lb/hr, 6.8 lbs/day, & 1.2 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-17-08(B)
OAC rule 3745-17-11(B)

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.28 lb/hr, 6.8 lbs/day, & 1.2 TPY OCs emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above Particulate emissions (PE) limitations were established as specified in the equations below:

H = VO(60 minutes/hour)(1 pound/7000 grains);
 Y = H(8760 hours/year)(1 ton/2000 pounds);

Where,

H = 0.1 lb/hr of PM [hourly controlled potential emissions];
 Y = 0.4 TPY of PM [yearly controlled potential emissions];
 V = 996 DSCFM [maximum fabric filter system exhaust flow]; and
 O = 0.01 grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.28 lb/hr, 6.8 lbs/day, & 1.2 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

H = PSE;
 D = H(24 hours/day);
 Y = H(8760 hours/year)(1 ton/2000 pounds);

Where,

H = 0.28 lb/hr of OCs [hourly potential emissions];
 D = 6.8 lbs/day of OCs [daily potential emissions];
 Y = 1.2 TPY of OCs [yearly potential emissions];
 P = 75 lbs/hr of production [equipment design capacity];
 S = 0.5 lb solvent used in production/1 lb production [maximum weight % solvent]; and
 E = 0.0075 lb OCs emitted/1 lb solvent used in production [company emission factor].

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P006 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P006 (Small Paste Mill) paint dispersion mill, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.02 lb/hr, 0.5 lb/day, & 0.1 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions) See sections A.2, B.1, and B.2 below for additional

OAC rule 3745-21-07(G)(2)
 OAC rule 3745-17-07(A)
 OAC rule 3745-17-07(B)
 OAC rule 3745-17-08(B)
 OAC rule 3745-17-11(B)

requirements of OAC rule 3745-31-05(A)(3).

The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.02 lb/hr, 0.5 lb/day, & 0.1 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above Particulate emissions (PE) limitations were established as specified in the equations below:

$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$
 $Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$
 $V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$
 $O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.02 lb/hr, 0.5 lb/day, & 0.1 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$H = PSE;$
 $D = H(24 \text{ hours/day});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.02 \text{ lb/hr of OCs [hourly potential emissions];}$
 $D = 0.5 \text{ lb/day of OCs [daily potential emissions];}$
 $Y = 0.1 \text{ TPY of OCs [yearly potential emissions];}$
 $P = 5 \text{ lbs/hr of production [equipment design capacity];}$
 $S = 0.5 \text{ lb solvent used in production/1 lb production [maximum weight \% solvent]; and}$
 $E = 0.0075 \text{ lb OCs emitted/1 lb solvent used in production [company emission factor].}$

F. **Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P007 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P007 (Large Mixer #1) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation.

0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)

See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3).

OAC rule 3745-21-07(G)(2)
OAC rule 3745-17-07(A)
OAC rule 3745-17-07(B)
OAC rule 3745-17-08(B)
OAC rule 3745-17-11(B)

The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.80 lb/hr, 19 lbs/day, & 3.5 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above Particulate emissions (PE) limitations were established as specified in the equations below:

$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$
 $Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$
 $V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$
 $O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$H = PSE;$
 $D = H(24 \text{ hours/day});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.80 \text{ lb/hr of OCs [hourly potential emissions];}$
 $D = 19 \text{ lbs/day of OCs [daily potential emissions];}$
 $Y = 3.5 \text{ TPY of OCs [yearly potential emissions];}$
 $P = 214 \text{ lbs/hr of production [equipment design capacity];}$
 $S = 0.5 \text{ lb solvent used in production/1 lb production [maximum weight \% solvent]; and}$
 $E = 0.0075 \text{ lb OCs emitted/1 lb solvent used in production [company emission factor].}$

F. **Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P008 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P008 (Large Mixer #2) paint mixer, air emissions of organic compounds (OCs)	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.

10% opacity from any stack, as a 6-minute average

There shall be no visible particulate emissions from building ventilation.

0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)

See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3).

The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-21-07(G)(2)
OAC rule 3745-17-07(A)
OAC rule 3745-17-07(B)
OAC rule 3745-17-08(B)
OAC rule 3745-17-11(B)

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.80 lb/hr, 19 lbs/day, & 3.5 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average
 Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)
 Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:
 $H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$
 Where,
 $H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$
 $Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$
 $V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$
 $O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$
 DSCFM = dry standard cubic feet per minute
 - c. Emissions Limitations: 0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs
 Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:
 $H = PSE;$
 $D = H(24 \text{ hours/day});$
 $Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$
 Where,
 $H = 0.80 \text{ lb/hr of OCs [hourly potential emissions];}$
 $D = 19 \text{ lbs/day of OCs [daily potential emissions];}$
 $Y = 3.5 \text{ TPY of OCs [yearly potential emissions];}$
 $P = 214 \text{ lbs/hr of production [equipment design capacity];}$
 $S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$
 $E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P009 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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</u>
-----------------------------------------------	--------------------------------------	-------------------------------------------------

P009 (Large Mixer #3) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.

OAC rule 3745-31-05(A)(3)
(PTI 16-02279)

OAC rule 3745-21-07(G)(2)
OAC rule 3745-17-07(A)
OAC rule 3745-17-07(B)
OAC rule 3745-17-08(B)
OAC rule 3745-17-11(B)

Measures

0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

10% opacity from any stack, as a 6-minute average

There shall be no visible particulate emissions from building ventilation.

0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)

See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3).

The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.80 lb/hr, 19 lbs/day, & 3.5 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

- 1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
- 2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
- 2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
- 3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
- 3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal

visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions limitations were established as specified in the equations below:

$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$

$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$

$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$

$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$

$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$

DSCFM = dry standard cubic feet per minute

c. Emissions Limitations: 0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$H = PSE;$

$D = H(24 \text{ hours/day});$

$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$

Where,

$H = 0.80 \text{ lb/hr of OCs [hourly potential emissions];}$

$D = 19 \text{ lbs/day of OCs [daily potential emissions];}$

$Y = 3.5 \text{ TPY of OCs [yearly potential emissions];}$

$P = 214 \text{ lbs/hr of production [equipment design capacity];}$

$S = 0.5 \text{ lb solvent used in production/1 lb production [maximum weight \% solvent]; and}$

$E = 0.0075 \text{ lb OCs emitted/1 lb solvent used in production [company emission factor].}$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P010 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P010 (Large Mixer #4) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.80 lb/hr, 19 lbs/day, & 3.5 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. **Operational Restrictions**

- 1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
- 2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

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

- 1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
- 2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
- 3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. **Reporting Requirements**

- 1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.

3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

- b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$$

$$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$$

$$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$$

$$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$$

DSCFM = dry standard cubic feet per minute

- c. Emissions Limitations: 0.80 lb/hr, 19 lbs/day, & 3.5 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$$H = \text{PSE};$$

$$D = H(24 \text{ hours/day});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.80 \text{ lb/hr of OCs [hourly potential emissions];}$$

$$D = 19 \text{ lbs/day of OCs [daily potential emissions];}$$

$$Y = 3.5 \text{ TPY of OCs [yearly potential emissions];}$$

$$P = 214 \text{ lbs/hr of production [equipment design capacity];}$$

$$S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$$

$$E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P011 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P011 (Small Mixer #1) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

- b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$$

$$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$$

$$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$$

$$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$$

DSCFM = dry standard cubic feet per minute

- c. Emissions Limitations: 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$$H = PSE;$$

$$D = H(24 \text{ hours/day});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.27 \text{ lb/hr of OCs [hourly potential emissions];}$$

$$D = 6.4 \text{ lbs/day of OCs [daily potential emissions];}$$

$$Y = 1.2 \text{ TPY of OCs [yearly potential emissions];}$$

$$P = 71 \text{ lbs/hr of production [equipment design capacity];}$$

$$S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$$

$$E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P012 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P012 (Small Mixer #2) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation.
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions) See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

(a) The 0.1 lb/hr & 0.4 TPY PM and 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
 3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$
 Where,

$$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$$

$$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$$

$$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$$

$$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$$

DSCFM = dry standard cubic feet per minute
 - c. Emissions Limitations: 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$$H = PSE;$$

$$D = H(24 \text{ hours/day});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$
 Where,

$$H = 0.27 \text{ lb/hr of OCs [hourly potential emissions];}$$

$$D = 6.4 \text{ lbs/day of OCs [daily potential emissions];}$$

$$Y = 1.2 \text{ TPY of OCs [yearly potential emissions];}$$

$$P = 71 \text{ lbs/hr of production [equipment design capacity];}$$

$$S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$$

$$E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$$
- F. Miscellaneous Requirements**
1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P013 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P013 (Small Mixer #3) paint mixer, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation.
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions) See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

- 1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
- 2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
- 2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
- 3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

- b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$$

$$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$$

$$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$$

$$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$$

DSCFM = dry standard cubic feet per minute

- c. Emissions Limitations: 0.27 lb/hr, 6.4 lbs/day, & 1.2 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$$H = PSE;$$

$$D = H(24 \text{ hours/day});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.27 \text{ lb/hr of OCs [hourly potential emissions];}$$

$$D = 6.4 \text{ lbs/day of OCs [daily potential emissions];}$$

$$Y = 1.2 \text{ TPY of OCs [yearly potential emissions];}$$

$$P = 71 \text{ lbs/hr of production [equipment design capacity];}$$

$$S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$$

$$E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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

Facility ID: 1652050182 Emissions Unit ID: P014 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P014 (Paint Fill Station #1) paint filling station, air emissions of organic compounds (OCs) limited by closed-lid equipment design, air emissions of particulate matter (PM) vented to and controlled by a fabric filter control system common to P001 through P015.	OAC rule 3745-31-05(A)(3) (PTI 16-02279)	0.86 lb/hr, 21 lbs/day, & 3.7 TPY of OCs 10% opacity from any stack, as a 6-minute average There shall be no visible particulate emissions from building ventilation. 0.1 lb/hr & 0.4 TPY of PM (fabric filter stack emissions)
	OAC rule 3745-21-07(G)(2) OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-17-11(B)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05(A)(3). The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 0.1 lb/hr & 0.4 TPY PM and 0.86 lb/hr, 21 lbs/day, & 3.7 TPY OC emissions limits regulated per OAC rule 3745-31-05(A)(3) are based upon accepted USEPA potential to emit procedures for this emissions unit. Therefore, no associated record keeping or reporting are required to demonstrate compliance with these emissions limits.

However, if any proposed change(s), such as with production capacity, operating procedures, process materials, emission control equipment, or anything else that increase(s) the potential to emit, then the permittee shall apply for and obtain either a modification to the permit to install or a new final permit to install prior to the change(s).

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a fabric filter system (or comparable air pollution control device), and associated control equipment (i.e., hoods, enclosures, ductwork, and fans, etc.), and any other equipment necessary to capture, contain, and vent air emissions of particulate matter to the air pollution control device serving this emissions unit, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

Scrap process materials shall be properly disposed of, and any spillage of resin dust from the emissions unit, or cleaning/maintenance of the fabric filter system and associated control equipment shall be promptly cleaned up to reduce the risk of fugitive dust emissions. Also, general housekeeping shall be performed in the facility, as needed, to minimize or eliminate emissions of fugitive dust.

The permittee shall properly install (or have properly installed), adjust, operate, and maintain a closed-lid design for this emissions unit to contain and limit OC emissions, in accordance with the manufacturer's recommendations, instructions, and operating manuals, and to the extent possible with good engineering design.

The permittee shall store all raw and waste materials in closed containers with tightly fitted covers.

B. Operational Restrictions

1. The fabric filter system and associated control equipment serving this emissions unit shall be employed all times the emissions unit is in operation.
2. The closed-lid design serving this emissions unit shall be employed with the lid closed all times the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall document all times the fabric filter system and/or associated control equipment serving this emissions unit were/was not employed when the emissions unit was in operation.
2. The permittee shall document all times the closed-lid design serving this emissions unit was not employed or was not employed with the lid closed when the emissions unit was in operation.
3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from the fabric filter system(s) and/or associated control equipment serving this emissions unit. The presence or absence of any visible particulate emissions shall be noted daily 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 any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emission.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record in which the fabric filter system(s) and/or associated control equipment 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 notify the Director (the appropriate District Office or local air agency) in writing of any record in which the closed-lid design serving this emissions unit was not in service or the lid was not closed 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.
3. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any abnormal visible particulate emissions were observed from the fabric filter system and/or associated control equipment and (b) describes the corrective actions taken to 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 special terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation: 10% opacity from any stack, as a 6-minute average

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

- b. Emissions Limitations: 0.1 lb/hr & 0.4 TPY of PE (fabric filter stack emissions)

Applicable Compliance Method: The above particulate emissions (PE) limitations were established as specified in the equations below:

$$H = VO(60 \text{ minutes/hour})(1 \text{ pound}/7000 \text{ grains});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.1 \text{ lb/hr of PM [hourly controlled potential emissions];}$$

$$Y = 0.4 \text{ TPY of PM [yearly controlled potential emissions];}$$

$$V = 996 \text{ DSCFM [maximum fabric filter system exhaust flow]; and}$$

$$O = 0.01 \text{ grain of PM/DSCF [assumed maximum outlet loading of fabric filter system].}$$

DSCFM = dry standard cubic feet per minute

- c. Emissions Limitations: 0.86 lb/hr, 21 lbs/day, & 3.7 TPY of OCs

Applicable Compliance Method: The above OC emissions limitations were established as specified in the equations below:

$$H = PSE;$$

$$D = H(24 \text{ hours/day});$$

$$Y = H(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds});$$

Where,

$$H = 0.86 \text{ lb/hr of OCs [hourly potential emissions];}$$

$$D = 21 \text{ lbs/day of OCs [daily potential emissions];}$$

$$Y = 3.7 \text{ TPY of OCs [yearly potential emissions];}$$

$$P = 228 \text{ lbs/hr of production [equipment design capacity];}$$

$$S = 0.5 \text{ lb solvent used in production}/1 \text{ lb production [maximum weight \% solvent]; and}$$

$$E = 0.0075 \text{ lb OCs emitted}/1 \text{ lb solvent used in production [company emission factor].}$$

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.