

Facility ID: 1667060087 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 P005](#)  
[Go to Part II for Emissions Unit P006](#)  
[Go to Part II for Emissions Unit P007](#)

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Facility ID: 1667060087 Emissions Unit ID: P005 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Twin screw compounding extruder controlled by a fabric filter	OAC rule 3745-31-05 (PTI 16-554)	1.0 lb/hr of particulate emission (PE) 1.0 lb/hr of organic compounds (OC)
		8.76 tons/yr of PE for emissions units P005 and P006 combined 8.76 tons/yr of OC for emissions units P005 and P006 combined
		See A.2.a below.
		See A.2.b below.
	OAC rule 3745-17-07(A)(1)(a)	See A.2.c below.
	OAC rule 3745-17-11(B)(1)	See A.2.c below.
	OAC rule 3745-21-07(G)	

**2. Additional Terms and Conditions**

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
  - i. the employment of a properly installed fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
  - ii. the employment of properly installed hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the baghouse. The visible particulate emissions from any stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule. The emissions limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0 to 3.5 inches of water while the emissions unit is in operation.

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

1. The permittee shall employ, calibrate, operate, and maintain properly installed equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to monitor the pressure drop across the baghouse while the emissions unit is in operation. The permittee shall record the pressure drop across the baghouse on a weekly basis.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

**E. Testing Requirements**

1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:

1.0 lb/hr of PE

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-17-03(B)(10).

Emission Limitation:

1.0 lb/hr of OC

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-21-10(C).

Emission Limitation:

8.76 tons/yr of PE for emissions units P005 and P006 combined

Applicable Compliance Method:

Multiply the sum of the allowable emission rates of 1.0 lb/hr PE emitted by P005 plus 1.0 lb/hr PE emitted by P006 by 8760 hours per year, then divide by 2000 lbs/ton.

Emission Limitation:

8.76 tons/yr of OC for emissions units P005 and P006 combined

Applicable Compliance Method:

Multiply the sum of the allowable emission rates of 1.0 lb/hr OC emitted by P005 plus 1.0 lb/hr OC emitted by P006 by 8760 hours per year, then divide by 2000 lbs/ton.

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

**F. Miscellaneous Requirements**

1. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit, are subject to public disclosure in accordance with OAC rule 3745-49-03.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the emissions unit.

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Facility ID: 1667060087 Emissions Unit ID: P006 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Twin screw compounding extruder controlled by a fabric filter	OAC rule 3745-31-05 (PTI 16-554)	1.0 lb/hr of particulate emission (PE) 1.0 lb/hr of organic compounds (OC)
		8.76 tons/yr of PE for emissions units P005 and P006 combined 8.76 tons/yr of OC for emissions units P005 and P006 combined
		See A.2.a below.
		See A.2.b below.
	OAC rule 3745-17-07(A)(1)(a)	See A.2.c below.
	OAC rule 3745-17-11(B)(1)	See A.2.c below.
	OAC rule 3745-21-07(G)	
<b>2. Additional Terms and Conditions</b>		
(a)	The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:	
	i. the employment of a properly installed fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and	
	ii. the employment of properly installed hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the baghouse. The visible particulate emissions from any stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule. The emissions limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.	
<b>B. Operational Restrictions</b>		
1.	The pressure drop across the baghouse shall be maintained within the range of 0 to 3.5 inches of water while the emissions unit is in operation.	
<b>C. Monitoring and/or Record Keeping Requirements</b>		
1.	The permittee shall employ, calibrate, operate, and maintain properly installed equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to monitor the pressure drop across the baghouse while the emissions unit is in operation. The permittee shall record the pressure drop across the baghouse on a weekly basis.	
<b>D. Reporting Requirements</b>		
1.	The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.	
<b>E. Testing Requirements</b>		
1.	Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:	
	Emission Limitation:	
	1.0 lb/hr of PE	
	Applicable Compliance Method:	
	Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-17-03(B)(10).	
	Emission Limitation:	
	1.0 lb/hr of OC	
	Applicable Compliance Method:	
	Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-21-10(C).	
	Emission Limitation:	
	8.76 tons/yr of PE for emissions units P005 and P006 combined	
	Applicable Compliance Method:	
	Multiply the sum of the allowable emission rates of 1.0 lb/hr PE emitted by P005 plus 1.0 lb/hr PE emitted by P006 by 8760 hours per year, then divide by 2000 lbs/ton.	
	Emission Limitation:	
	8.76 tons/yr of OC for emissions units P005 and P006 combined	
	Applicable Compliance Method:	

Multiply the sum of the allowable emission rates of 1.0 lb/hr OC emitted by P005 plus 1.0 lb/hr OC emitted by P006 by 8760 hours per year, then divide by 2000 lbs/ton.

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

**F. Miscellaneous Requirements**

1. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit, are subject to public disclosure in accordance with OAC rule 3745-49-03.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the emissions unit.

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Facility ID: 1667060087 Emissions Unit ID: P007 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Twin screw compounding extruder controlled by a fabric filter	OAC rule 3745-31-05 (PTI 16-652)	See A.2.a, A.2.b, and A.2.c below.
	OAC rule 3745-17-07(A)(1)(a)	See A.2.d below.
	OAC rule 3745-17-11(B)(1)	See A.2.e below.
	OAC rule 3745-21-07(G)	See A.2.e below.

**2. Additional Terms and Conditions**

- (a) The permittee shall limit particulate emissions (PE) from this emissions unit to a maximum of 1.0 lb/hr and 4.38 tpy.

The above PE limits are greater than the emissions unit's potential to emit and, therefore, no recordkeeping, reporting, or compliance demonstration calculations are required with these limits. The permittee shall limit organic compound (OC) emissions from this emissions unit to a maximum of 0.5 lb/hr and 2.19 tpy.

The above OC emission limits are greater than the emissions unit's potential to emit and, therefore, no recordkeeping, reporting, or compliance demonstration calculations are required with these limits. The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

- i. the employment of a properly installed fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
- ii. the employment of properly installed hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to the baghouse. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule. The emission limitations based upon this rule are less stringent than the emission limitations based

upon OAC rule 3745-31-05.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0 to 8 inches of water while the emissions unit is in operation.

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

1. The permittee shall employ, calibrate, operate, and maintain properly installed equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to monitor the pressure drop across the baghouse while the emissions unit is in operation. The permittee shall record the pressure drop across the baghouse on a weekly basis.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.2 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:

1.0 lb/hr of PE

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-17-03(B)(10).

Emission Limitation:

4.38 tons/yr of PE

Applicable Compliance Method:

Multiply the allowable emission rate of 1.0 lb/hr PE by 8760 hours per year, then divide by 2000 lbs/ton.

Emission Limitation:

0.5 lb/hr of OC

Applicable Compliance Method:

Stack testing may be required in the future in accordance with the procedures and test method(s) specified in OAC rule 3745-21-10(C).

Emission Limitation:

2.19 tons/yr of OC

Applicable Compliance Method:

Multiply the allowable emission rate of 0.5 lb/hr OC by 8760 hours per year, then divide by 2000 lbs/ton.

Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

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

**F. Miscellaneous Requirements**

1. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit, are subject to public disclosure in accordance with OAC rule 3745-49-03.
2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the emissions unit.